Lawrence Berkeley National Laboratory
Recent Work

Title
Lawrence Berkeley National Laboratory. (1987). JOURNAL OF GLENN T. SEABORG, BERKELEY CHANCELLOR, JULY 1, 1958 - JUNE 30, 1959. *Lawrence Berkeley National Laboratory*. LBNL Report #: PUB-624. Vol I

Permalink
https://escholarship.org/uc/item/5h31d7b9

Author
Lawrence Berkeley National Laboratory

Publication Date
1987-08-01

eScholarship.org Powered by the California Digital Library
University of California

RECEIVED
LAWRENCE
BERKELEY LABORATORY

OCT 1 9 1987

LIBRARY AND
DOCUMENTS SECTION

PUB-624
Vol. I c.1
August 1987

For Reference

Not to be taken from this room

JOURNAL OF

GLENN T. SEABORG

Berkeley Chancellor

July 1, 1958–June 30, 1959

Lawrence Berkeley Laboratory
University of California

Prepared for the U.S. Department of Energy under Contract DE-AC03-76SF00098

PUB-624 v.1
c.1

DISCLAIMER

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor the Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or the Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof or the Regents of the University of California.

JOURNAL OF GLENN T. SEABORG

BERKELEY CHANCELLOR
1958- 1961

VOLUME I
July 1, 1958- June 30, 1959

PREFACE

I have kept a journal since I was a boy, most of the time recording the daily events in an organized manner each day. For the rest of the time the events were recorded in a non-systematic manner, with the intention that all of the material could be organized at a later date in a systematic daily journal. These Chancellor Journal volumes fall into the latter category.

I served as Chancellor of the Berkeley campus of the University of California for two and a half years, from July 1958 through January 1961. This administrative stint began with my appointment by Clark Kerr, who was just starting his term as U.C. President, and ended with my call to Washington, D.C., by President John F. Kennedy to serve as Chairman of the Atomic Energy Commission in his incoming administration.

These Journal volumes are based on my notebook entries; my memos covering my phone calls, appointments, and other meetings; minutes of meetings; memos prepared by others (i.e., by the vice chancellors, the Dean of the College of Letters and Science, staff in the Chancellor's Office) to summarize meetings in which I participated; my calendars and correspondence files; the Chancellor's Office files; material from the Bancroft Library and the University Archives; and back issues of the campus newspaper, the Daily Californian. The wife of the Berkeley chancellor, the first lady of the Berkeley campus, works nearly full-time at her duties (and gratis!) so her appointment calendars and notes are also a valuable source of information, especially on the social events and other related activities. I took advantage of the fact that my wife Helen had saved hers.

Many of these resources provided very clear and detailed reports; other notes were made hastily and casually, using initials for people's names and rather cryptic abbreviations. Despite the attention paid to finding firsthand accounts and double-checking information, there remains the possibility of errors in any journal prepared 25 years after the events. I feel the journal gives a valuable account of the growth of the Berkeley campus and of some of the most important issues during that period, even if some of the minor details may have got lost in the intervening years.

Putting all of this material into a coherent form on a day-to-day basis, filling out the background of some of the issues and making sense of the gaps necessarily left, was a monumental task which took five years of effort sandwiched in with the demands of current activities. The person chiefly responsible for this is Sherrill Whyte, my administrative assistant, whose writing and organizational ability are outstanding, and to whom I am indebted beyond measure. Others who helped, to whom I also express my appreciation, are Anna Carol Dudley (who served as my secretary during a large part of my days as Chancellor), Errol Mauchlan (who served as my budget officer), Adrian Kragen (who served as my faculty assistant), and current and past staff members June Jackson, Joy Perkins, and Grace Nubla, who did some library research and undertook the tremendously tedious task of preparing the name index.

Due to the magnitude of this journal, it has been published in three volumes (Volume I [July 1, 1958- June 30, 1959], Volume II [July 1, 1959- June 30, 1960], and Volume III [July 1, 1960- January 31, 1961]). Each month of the journal is numbered separately. The name index appears at the back of the third volume. It notes only those dates on which an entry was made about an individual; therefore, when a person's name appears several times in the course of one date's journal, it will be up to the reader to search out each instance. The picture index, which follows the name index, notes the month, year, and page number upon which the individual's picture appears.

Although I did not officially assume the responsibilities of chancellor of the Berkeley campus until August 18, 1958, I have begun this journal on July 1, 1958, since I believe that many of the events that happened as part of my orientation to my new duties provide an interesting background to this tale.

Glenn T. Seaborg
Berkeley, California
August 26, 1987

Background on Glenn T. Seaborg

GLENN T. SEABORG is currently University Professor of Chemistry (the most distinguished title bestowed by the Regents), Professor in the Graduate School of Education, an Associate Director of the Lawrence Berkeley Laboratory, and Chairman of the Lawrence Hall of Science at the University of California, Berkeley.

He received his A.B. in Chemistry from UCLA in 1934 and his Ph.D. in Chemistry from Berkeley in 1937. He has served on the faculty of the Berkeley campus since 1939 and was Chancellor of that campus 1958-1961. In 1961 Dr. Seaborg was appointed Chairman of the Atomic Energy Commission by President John F. Kennedy. He was subsequently reappointed by both Presidents Johnson and Nixon, serving in that position until 1971.

Winner of the 1951 Nobel Prize in Chemistry (with E. M. McMillan) for his work on the chemistry of the transuranium elements, Glenn Seaborg is one of the discoverers of plutonium (element 94). During World War II he headed the group at the University of Chicago's Metallurgical Laboratory which devised the chemical extraction processes used in the production of plutonium for the Manhattan Project. He and his coworkers have since discovered nine more transuranium elements: americium (element 95), curium (96), berkelium (97), californium (98), einsteinium (99), fermium (100) mendelevium (101), nobelium (102), and element 106. He holds over 40 patents, including those on elements americium and curium (making him the only person ever to hold a patent on a chemical element).

In 1944 Dr. Seaborg formulated the actinide concept of heavy element electronic structure which accurately predicted that the heaviest naturally occurring elements together with synthetic transuranium elements would form a transition series of actinide elements in a manner analogous to the rare earth series of lanthanide elements. This concept, one of the most significant changes in the periodic table since Mendeleev's 19th century design, shows how the transuranium elements fit into the periodic table and thus demonstrates their relationships to other elements.

His co-discoveries include many isotopes which have practical applications in research, medicine and industry (such as iodine-131, technetium-99m, cobalt-57, cobalt-60, iron-55, iron-59, zinc-65, cesium-137, manganese-54, antimony-124, californium-252, americium-241, plutonium-238), as well as the fissile isotopes plutonium-239 and uranium-233.

Dr. Seaborg continues to work as an active research scientist, with a research group in the search for new isotopes and new elements at the upper end of the periodic table, including a search for the "superheavy" elements. The group is also investigating the mechanism of the reactions of heavy ions with heavy element target nuclei. Another aspect of the research program is concerned with the determination of the chemical properties of the heaviest chemical elements.

Seaborg is the author of numerous books- his most recent, Kennedy, Khrushchev and the Test Ban (1981) and Stemming the Tide: Arms Control in the Johnson Years (1987) describe, respectively, the negotiations for the Limited Test Ban Treaty of 1963 and the Nonproliferation Treaty of 1969. He has also authored over 400 scientific articles and guided the graduate

studies of more than 60 successful Ph.D. candidates. In addition to the Nobel Prize and a great many other awards for his work in chemistry, science education and community service, Dr. Seaborg has been awarded 50 honorary doctoral degrees.

Among his many interests are international cooperation in science (as President of the International Organization for Chemical Sciences in Development), history of science (documenting the early history of nuclear science), nuclear arms control (advocating a comprehensive test ban treaty), conservation of natural resources and hiking. A member of the National Commission on Excellence in Education which published the much-publicized report A Nation At Risk in 1983 and Chairman of the Lawrence Hall of Science, Dr. Seaborg is recognized as a national spokesman on education, addressing in particular the crisis in precollege mathematics and science education.

August 1987

Semester	Vice Chancellor-Student Affairs	Vice Chancellor-Academic Affairs	Vice Chancellor-Research	Faculty Assistants
Fall 1958	Sherriffs	Hart	Strong	Fretter Chernin
Spring 1959	Sherriffs	Hart	Strong	Fretter Chernin
Fall 1959	Sherriffs	Hart	Strong	Fretter Chernin
Spring 1960	Sherriffs	Hart	Fretter	Chernin Kragen
Fall 1960	Sherriffs	Strong	Kragen	Dupree Leopold

Chancellor's Office Staff
1958-1961

Chancellor	Glenn T. Seaborg
Assistant to the Chancellor	Dan Wilkes
Secretary/Administrative Assistant	Anna Carol Dudley (until 4/60)
Secretary	Donna Dinsdale (short time)
	Marie Ripsom
	Akiko Owen (from 9/60)
Receptionist	Lynne de Barrows
Administrative Assistant	Kitty Malloy
Senior Typist-Clerk	Rose Feydna
	Diana Parker
Vice Chancellor-Academic Affairs	Jim Hart (until 6/60)
Secretary	Meredith Nelson
	Ed Strong (from 7/60)
Secretary	Meredith Nelson
Administrative Assistant	Pauline Kroditsch
Vice Chancellor- Research	Ed Strong (until 1/60)
	William Fretter (2/60- 6/60)
	Adrian Kragen (from 7/60)
Secretary	Carol Westmoreland
Vice Chancellor-Student Affairs	Alex Sherriffs
Secretary	Beverly Engelbrecht
	Natalie Dickens
Faculty Assistant	William Fretter (until 1/60)
	Milt Chernin (until 6/60)
Secretary	Pauline Kroditsch
	Hunter Dupree (from 7/60)
Secretary	Pauline Kroditsch
	Starker Leopold (from 7/60)
Secretary	Vivian Bevis
Academic Personnel	
Administrative Analyst	Maribel Montgomery (until 6/60)
	Marilyn Jaeger (7/60- 11/60)
	Peggy Thomas (Beck) (from 11/60)
Administrative Analyst (50%)	Connie Wilson (until 12/58?)
	Marilyn Jaeger (1/59-6/60)
	Judy Millman (from 7/60)
Secretary (50%)	Rose Fedyna (until 6/60)
(100%)	J. A. Joseph (from 7/60?)
Budget	
Assistant to the Chancellor	Errol Mauchlan
Budget Analyst (50%)	Connie Wilson (until 12/58?)
	Marilyn Jaeger (1/59- 6/60)
	Judy Millman (from 7/60)
Secretary (50%)	Rose Fedyna (until 6/60)
(100%)	Maureen Sullivan (from 7/60?)

Office Manager	
Administrative Analyst	Margaret McConnell (from 3/60)
Principal Clerk	Civilla Deming (from 7/58)
Senior Clerk-Switchboard	Sue Kellogg
Relief Secretary (50%)	Janice Starkey
Records	
Principal Clerk	Gretchen Klug
Senior Clerk	Anna Lum
	S. Brochard
Senior Typist Clerk	Ursula Kennedy
	Nan Westphal
File Clerk	Mae Tomita
Writer/ Administrative Analyst	Dorothy Gardner Powell (until 10/58)
	Russell Millar (9/58- 9/59?)
	Douglas Young (from 9/59)
	Betty Fromm (from 3/60)
Public Affairs	Maynard Morris (until 6/59)
	Dan Wilkes (from 7/59)
NDEA Coordinator	Douglas Chrétien
Building and Campus Development	
Chairman	C. W. Brown (until 6/59)
	Sandy Elberg (from 7/59)
Senior Clerk	Masako Saito
Secretary to Helen Seaborg	Sigrid Stamps

Some Useful Lists in Text

1958-1959:

New Faculty 9/15/58
Visiting Professors 9/15/58
Chancellor's Academic Advisory Council membership 10/1//58
Department chairmen 10/31/58
Committee appointments 11/14/58
Progress reports on academic year 1958-59- Fretter, Hart, Chernin, Strong 8/13/59

1959-1960:

Department chairmen 9/2/59
New Faculty 9/21/59
Visiting Professors 9/21/59
Chancellor's Academic Advisory Council membership 9/23/59
Committee appointments 11/12/59
Progress reports on academic year 1959-60- Fretter, Kragen, Hart, 9/25/60
Progress report on academic year 1959-60- Chernin 9/29/60
Intercollegiate Athletic Advisory Board membership 2/11/60

1960-61:

Department chairmen 6/29/60
Visiting Professors 9/27/60
New Faculty 9/27/60
Academic Advisory Committee membership 9/28/60
Building & Campus Development Committee memberships 9/21/60

INTRODUCTION

In July 1958, when I was offered the position of chancellor of the Berkeley campus, I was Professor of Chemistry and an Associate Director of the University of California Radiation Laboratory, directing the Nuclear Chemistry Division there. My first responsibility as a faculty member was teaching and directing the research of my graduate students in nuclear chemistry. The remaining part of my days were largely absorbed by responsibilities as head of a research division and by my own research on the transuranium elements. However, I did maintain several other active interests--improving the quality of science education (recording a television series on "The Elements" for public television, writing a children's book, Elements of the Universe, and speaking on this subject to public gatherings at every opportunity) and intercollegiate athletic affairs (as Faculty Athletic Representative for the Berkeley campus). It was in the latter position, as the Pacific Coast Conference underwent a series of scandals and disagreements, that my negotiating skills and resistance to pressure first came to the attention of Berkeley Chancellor Clark Kerr. Kerr, who succeeded Robert Gordon Sproul as President of the University in 1958, apparently thought that these qualities might be an important qualification for the next chancellor, and proposed that I undertake the job.

When I accepted the position of chancellor of the Berkeley campus in July 1958, many changes were underway in the University of California system and on the Berkeley campus. Clark Kerr, who had just assumed the presidency of the University, was in the process of initiating some significant changes in its organizational structure. In April 1958 the Regents of the University commissioned Cresap, McCormick and Paget, a management consulting firm, to make a study of the administrative structure of the University. This resulted in the adoption of their recommendation that many of the functions formerly performed by the President's Office be delegated to the campuses, and that the individual campus' Chief Campus Officer (chancellor or provost) be made directly responsible "to the maximum extent possible" for administrative authority over all aspects of campus affairs. This massive decentralization plan changed the nature of the office of chancellor to no small extent, and occasionally, as it was being worked out, created "gray areas" where authority was not immediately clear. University Hall, the President's Office and statewide staff building, was not completed until the spring of 1959, so for the first semester of my chancellorship we were sharing space on the Berkeley campus with the statewide administration and were very much involved in transfer of responsibilities and records.

For all this increased responsibility, at first we had very little increase in staff support. In the fall of 1958 we had nearly 20,000 students enrolled, yet when I increased the number of vice chancellors to three (half-time), this together with two part-time faculty assistants, and one full-time budget officer with a half-time assistant, meant that I had more support in the Chancellor's Office than had previously been the case. It seems unbelievable these days (when the Berkeley campus has something like 30,000 students) that in the late 1950's we survived with so little staff and accomplished so much. I initiated what we called the "Chancellor's Cabinet", a group which met over brown-bag lunches in our conference room every Tuesday noon to hash over the various problems confronting us, which served as a core-group for the administration of the Berkeley campus. I am deeply

indebted to those people on the Chancellor's Office staff who served the Berkeley campus so well, and attach before this section my best effort at reconstruction of their names and assignments in recognition of that service.

In addition to staff members and Cabinet members, the chancellor received advice and counsel from several key groups--the Chancellor's Academic Advisory Council, the Administrative Advisory Committee, and the Campus Planning Committee (created by Chancellor Kerr)--and, of course, from the faculty members, individually, through service on a variety of chancellor-appointed committees, and through Academic Senate committees. Guidance on matters of policy was provided by the Regents (through the President), and a forum for consultation on how to implement directives from the President's Office was provided by the monthly dinner meetings of the Council of Chief Campus Officers held before each meeting of the Regents. I was further aided by my close relationship with President Clark Kerr and by his accessibility from the Berkeley campus.

The years 1958 to 1961 were significant ones for the University of California in many ways. In anticipation of the matriculation of the "baby boom" generation during the 1960's, plans had to be made for a greatly enlarged enrollment. The "Mc Connell Report", "A Restudy of the Needs of California in Higher Education," was conducted by the Liaison Committee of the Regents and the State Board of Education. Issued in 1955, the report predicted that by 1965 the state's colleges and universities, both public and private, would have to accommodate up to 254,000 students, more than twice the number predicted for 1955. Plans for such an enormous increase in enrollment included not only practical considerations like additions to the physical plant and hiring of new faculty, but also very important policy decisions on such issues as the role of smaller campuses of the University and of state colleges and junior colleges.

In 1956 Clark Kerr, in his role as chancellor, made a report to the Regents on the "Long Range Development Plan for the Berkeley Campus", which included provisions limiting the over-all density of buildings to land area on the campus to 25%, thus preserving natural groves and woodlands as open space, and proposed building residence halls and recreational facilities for student use. During my chancellorship perhaps my most onerous task was as mediator between faculty and departments in their continuing battles over space. I worked very closely with the Building and Campus Development Committee and with the Campus Planning Committee, and I take particular pride in some of the buildings which were completed during my tenure (Kroeber Hall and the Lowie Museum, Campbell Hall, the first eight Residence Halls, the Strawberry Canyon Recreational Complex, and a large addition to Cowell Hospital), and in some of the plans that were made for buildings (the Student Union complex, married student housing, Latimer Hall, Barrows Hall, Tolman Hall, the University Art Museum, the Biochemistry Building, the Virus Laboratory), and in the long-range plan for landscaping, which maintained the "green belt" which I believe to be the jewel of the Berkeley campus.

However, early efforts to plan the physical plant of the campus were hindered by the need for a better-defined academic plan, which Kerr recognized. An academic plan for the Berkeley campus was followed by the "Master Plan for Higher Education", which spelled out "differentiation of function" between the University of California, the state colleges and the junior colleges, limited enrollment on the Berkeley and Los Angeles campuses of the University of California to 27,500 each, and authorized the expansion of the existing smaller campuses of the University and the establishment of additional campuses (Irvine, Santa Cruz and San Diego). I had some small part

in the deliberations concerning the Master Plan in my role as a member of the Joint Advisory Committee.

By no means insignificant among the changes happening to the University of California was a rather dramatic change in student involvement in political issues. Following World War II students were notoriously apathetic about anything outside of their own small sphere. By the late 1950's that was beginning to change. The era of my chancellorship saw the formation of the first "student political party", SLATE, a group of activist students who concerned themselves with a wide range of issues and who provided the University administration with the first of a series of challenges which peaked in the later 1960's. The issue which received the most attention during my chancellorship was what came to be called "free speech". University Regulation #17, which limited the use of University facilities by student and other groups, was the focus of much of this attention. When President Kerr issued what came to be called the "Kerr Directives" (but which the administration called "the open forum policy") modifying Regulation #17 and attempting to clarify (and not actually change) the rules on student government and use of campus facilities, there was much uproar. The issue was further complicated by the expansion of the campus southward to Bancroft Way which resulted from the construction of the Student Union and which caused the loss of Sather Gate as the traditional "Hyde Park" of the campus. We suggested that a portion of the entrance area at Bancroft Way and Telegraph Avenue be ceded to the City of Berkeley to serve as an "island of free speech". However, that suggestion was never implemented--I can only wonder if the Free Speech Movement of 1964 would have been averted if such an "island" had been established earlier.

I do take pride in the efforts to open up campus discussion of political issues in which we did succeed. We sponsored a "Political Speaker Series" in connection with the presidential election of 1960 and attracted a number of prominent politicians to speak on the Berkeley campus, among them Nelson Rockefeller, Ted Kennedy, Gerald Ford, Adlai Stephenson, Henry Cabot Lodge, Abraham Ribicoff, and Estes Kefauver.

Other causes taken up by the students during my chancellorship reflected the tenor of the times. Concern about racial discrimination, prominent at the the beginning of the civil rights movement, was also a concern of mine. The University of California issued a statement of policy clearly defining its abhorrence of racial discrimination in any area, and we in the administration carried out that policy in a number of ways. Fraternities and sororities were given an ultimatum that in order to protect their status as "recognized student groups", they would have to eliminate discriminatory language from their charters. On my instructions the Housing Office removed a boarding house which practiced racial discrimination from its list of approved housing for the first time . We refused to play football games at universities where our black (then Negro) athletes would receive different treatment (i.e., different housing) than our white players.

Students also demonstrated for a number of other causes. The "riots" at San Francisco City Hall in May 1960 against the hearings of the House Committee on Un-American Activities (HUAC) were the first major indication of a new era in student protest. Pressure to "control" our students provided us with a perfect opportunity to declare their rights as individuals to speak out. However, it also gave us occasion to define certain limitations: that neither individual students nor student leaders could speak "for the University of California" on off-campus issues.

There was opposition to compulsory ROTC (for which steps initiated during my chancellorship led to its elimination shortly after I left), and debate about control of the campus newspaper The Daily Californian, and beginning discussion of social issues like California's treatment of its migrant farm labor from south-of-the-border. All these issues received greater attention and sparked more violent combat in the years after I left the chancellorship; yet the seeds were certainly sprouting during 1959 and 1960.

Among the changes in University policy which caused some student protest and a great deal of attention from alumni was our decision to transfer control of athletics from the student government, the Associated Students of the University of California (ASUC), to the campus administration. This was done because the ever-changing student (ASUC) leadership made it increasingly difficult to maintain continuity and responsibility in the control of intercollegiate athletics on the Berkeley campus.

One of my last duties as Faculty Athletic Representative before becoming Chancellor was to participate in the negotiations to dissolve the Pacific Coast Conference and to play a leading role in the founding of the Athletic Association of Western Universities (AAWU), now known as the PAC-10, which formally began as of July 1, 1959. In the middle of the 1950's several universities were placed on probation, with large numbers of athletes declared ineligible for intercollegiate competition, when it was found that some alumni had illegally subsidized the athletes (particularly football players). These actions, together with an excessively rigid Athletic Code, disagreements over the scheduling of football games (i.e., the issue of round robin scheduling), and general distrust among the member institutions, produced a strain in the PCC that led to its breakup in 1958. The AAWU was then formed on the basis of less rigid governing rules and the general philosophy of relying more on the integrity of the members, a method of operating that has proven to be quite successful in the intervening years. We also instituted a stricter policy of playing athletic contests only with institutions which had academic standards similar to our own.

Berkeley seemed to be unusually successful in athletics in those years. The 1958 football team won the Pacific Coast Conference title, went to the Rose Bowl and, as the last titlist in the conference, stands as the permanent champions of the PCC. In 1959 the basketball team won the PCC title (thus, also becoming the permanent champions of the PCC) and went on to take the National Collegiate Athletic Association play-offs, thereby becoming national champions--a first for Berkeley in basketball. In 1960 the basketball team won the championship of the new conference, the Athletic Association of Western Universities, and was the runner-up for the NCAA title. Berkeley won the Intercollegiate Regatta Association championship in 1960. The California Intercollegiate Baseball Association championship came to Berkeley in 1960 and also the AAWU water polo championships in 1959 and 1960. It was a halcyon period for rugby; in 1959 the team went undefeated for the first time in modern rugby history and repeated this remarkable performance in 1960; the titles included the World Cup series in both years, the PCC Southern Division championship in 1959 and the AAWU Southern Division championship in 1960.

Lest I be accused of giving too much weight to athletics (as some university and college administrations have been accused), I would like to mention some of the major accomplishments of my administration in the academic area. To emphasize the tradition of academic excellence which was already well-established at Berkeley, I quote from Verne Stadtman's centennial history of the University of California (1970):

"On April 21, [1957], the Chicago Tribune published the results of a survey it had made among about fifty educators and administrative officers across the country who were asked to rate the departments of the top ten American universities. They rated twenty-four of Berkeley's twenty-eight departments outstanding and ranked the Berkeley campus third, immediately after Harvard and Yale, among the top ten universities in the country. In December, the same year, the Association of American Colleges Bulletin reported that the University of California on all campuses ranked second to Columbia in the total number of doctoral degrees granted in all fields; third, behind Harvard and Columbia, in the number of departments in which more doctorates were awarded than at any other institution; and tied with Chicago in the number of fields in which it was ranked among the top five institutions in the country in doctorates awarded."

We were extremely proud to continue that tradition. Among the honors that came to the Berkeley campus was the award of Nobel prizes to Berkeley faculty members--to Emilio Segrè and Owen Chamberlain in physics in 1959, and to Donald A. Glaser in physics in 1960. (Glaser was, by the way, one of the many prominent people recruited by the Berkeley campus during my administration. Chamberlain considered leaving Berkeley, but happily, with some effort, was convinced to stay with us.) The addition of three Nobel laureates to our number brought the total on the Berkeley campus to eight, giving us the distinction of having the largest concentration of laureates anywhere in the world. It would probably not be feasible, and certainly foolish to try, to name the many prominent scholars who joined our faculty during my chancellorship and later distinguished themselves. As one example, let me mention our current Berkeley Chancellor, Ira Michael Heyman.

Important academic developments included the establishment of the College of Environmental Design in July 1959 (combining the College of Architecture, Department of City and Regional Planning, and Department of Landscape Architecture); the origin and development of the Space Sciences Laboratory; the conception and planning of the Earl Warren Legal Center and the Laboratory of Chemical Biodynamics; and the establishment of a variety of new research institutes, centers and facilities in diverse fields. My concern over the need to strengthen the humanities, to provide some balance with the sciences, led to my suggestion for the creation of an Institute for the Humanities; with the help of Jim Hart this later culminated in the establishment of the Humanities Research Committee and Humanities Research Professorships.

Among other personal pet projects were improvement of the Institute of Human Development (I courted John Clausen for the directorship), the establishment of a Marine Biological Laboratory, the development of a "Science in Society" curriculum (an ethics in science course, on which I worked with Arthur Compton and Ed Strong, and to which the visit of C. P. Snow contributed interest), and, the object of much effort, the strengthening of biological sciences (which eventually led to the establishment of the Department of Molecular Biology).

The terrible loss of Ernest O. Lawrence, Director of the Radiation Laboratory, in August 1958 inspired me to propose the Lawrence Hall of Science, a science museum, science teaching, and curriculum development center which has since earned a worldwide reputation for its contributions to the improvement of math and science education. I chaired the Ernest O. Lawrence Memorial Committee which conceived the plan for the Hall and worked very hard to raise the funds necessary to build and endow it. Today I am pleased to be back working for the Lawrence Hall of Science as its chairman.

The improvement of mathematics and science education has been a central theme in my life and was also an important focus of my energies during my chancellorship. As the father of four school-age and two pre-school children, I took a special interest in pre-college education, as well as university level work. I chaired the steering committee for the Chemical Educational Material Study (CHEM Study), a high-school curriculum for chemistry undertaken by our College of Chemistry in collaboration with Harvey Mudd College with support from the National Science Foundation, which has since revolutionized chemistry teaching both nationally and internationally.

I worked on a national committee directing the implementation of the National Defense Education Act of 1958 in educational television programs. I also filmed lectures for two experimental "Continental Classroom" programs--one in physics with Harvey White and another in chemistry with John Baxter. (In addition I served on the Board of Directors of the National Educational Television and Radio Center.) During my chancellorship of the Berkeley campus, with the able assistance of Ted Sherburne, we initiated a number of experiments with the use of television for both closed circuit and inter-campus instruction.

The National Educational Defense Act had a very significant effect on education at many levels, bringing the opportunity for federal funds to establish new programs. One of the most significant benefits was the availability of a far greater number of student loans and graduate fellowships. However, no less important were the programs in educational television and new funds to establish language institutes. I also took a vital interest in the need to improve our students' exposure to other cultures and experience with other languages. It was becoming clearer all the time that Americans could not continue our practice of insularity and "English-only" mentality. We established a Language Coordinating Council to study the possibility of introducing instruction in additional languages, designed additional international cultural programs, and hosted the first Soviet students to visit the United States under the Lacy-Zaroubin exchange agreement. I also hosted foreign dignitaries from all over the world, including Queen Frederika of Greece, who astounded us scientists by her sophistication in science and who became a friend of mine in later years.

In 1959 I was appointed to the President's Science Advisory Committee (PSAC), and shortly after that undertook the chairmanship of a committee to study and make a report on "Basic Research and Graduate Education", which became known as the "Seaborg Report." Perhaps the most famous of the report's recommendations was the statement that it should be the basis of general policy that basic research and the education of scientists go best together as inseparable functions of universities and the statement that federal support for basic research and graduate education in the sciences should be continued and flexibly increased so as to support excellence where it already exists and to encourage new centers of outstanding work.

Throughout my chancellorship I served in many roles: as an administrator, an educator, a scientist, a governmental advisor, and, not least, a husband and father. I continued as an associate director of the Lawrence Radiation Laboratory (so named after Ernest Lawrence's death), reserving Monday mornings for work at the Laboratory on scientific research papers and consulting with my graduate students there, and dedicating a good part of my weekends to keeping up on the scientific literature in my field. I also served as a consultant to the U.S. Rubber Company and as a member of the Scientific

Advisory Board of the Texas-based Robert A. Welch Foundation. As a governmental advisor, I served on President Eisenhower's PSAC, on the National Science Board, on the NDEA committees, and on a committee to assist in the planning of the "Century 21 Exposition" at the Seattle World's Fair held in 1962. I attended the "Atoms for Peace" conference in Geneva in 1958 as part of the American delegation. These are only a few examples. Even a cursory reading of this journal will easily demonstrate that this was a very busy time in my life!

The most important of my many roles at that time (and this) was as a family man. My wife Helen and I have six children: Peter (born 1946), Lynne (born 1947), David (born 1949), Stephen (born 1951), Eric (born 1954), and Dianne (born 1959, during my chancellorship). One of the conditions of my acceptance of the chancellorship was that we Seaborgs would be able to continue to live in our home in Lafayette, since Helen and I felt very strongly that the formality of the traditional residence, University House, would not be right for our (at that time) five young children. Our home was always a very noisy, busy place, with neighborhood children tramping in and out. Helen managed to squeeze the many social and committee duties of the Chancellor's Wife into her already-frantic round of chauffeuring the kids between school, orthodontists and doctors, swimming classes, and club meetings, as well as being very active in the PTA and serving as a den mother, etc. She also maintained her own commitments to volunteer work and her personal interests, serving on the Board of the YWCA, and attending Section Club teas, book club meetings, etc. Needless to say, Helen was no less busy than I.

I am grateful to the many people who supported me during my chancellorship of the Berkeley campus and at other points in my career. Yet, it is to Helen and to my children that I would like to dedicate these volumes. Without Helen's wise counsel and an occasional basketball game in the backyard with the kids for release, I could never have kept up with it all.

Tuesday, July 1, 1958

James Cobble and Ros Ewart (U.S. Rubber) met me at my office at the Rad Lab. At about 11 a.m. we drove to Livermore to meet with Ted Merkle regarding the Pluto Project.

Later in the day I called Norman Glendenning at the University of Indiana and made an informal offer of employment in our Nuclear Chemistry Division at a salary of $625 per month. An official offer from the Personnel Department will follow. He accepted the offer. However, he will have to go back to the University of Indiana to finish up some business there. He should be able to begin work here around September 15th.

I wrote a letter to Academician Aleksandr N. Nesmeyanov, President of the USSR Academy of Sciences, requesting that Stanley G. Thompson might visit Perfilov and Flerov as well as various Soviet laboratories (attached). Other letters included letters of regret that I cannot participate in a lecture series for high school science teachers in San Francisco or a symposium on "Science and Modern Civilization" in Japan.

Wednesday, July 2, 1958

Shortly after my arrival at my Rad Lab office I met briefly in my office with Ros Ewart and James Cobble in my role as consultant to the U.S. Rubber Company.

Later in the morning I attended a press conference in Dwinelle Hall on campus concerning the UC Field Service Center memorandum on math and science in the public schools.

At 1:30 p.m. I gave a talk, "The Transuranium Elements," to 60 high school general science teachers from the San Jose State Summer Institute.

At 3 p.m. Warren Garrison came up to my UCRL office to discuss his status and that of his group. I suggested that it remain at status quo. Garrison has some responsibility to me as well as some to John Lawrence through which his group operates.

I called Rixford Snyder of Stanford University and explained to him the reasons for postponing signing the agreement for the new athletic association. He told me that he has suggested to President Wallace Sterling that Stanford join us. I told him about the coming meeting of Clark Kerr, President Sterling, Charles Odegaard (President, University of Washington) and Norman Topping (President, University of Southern California) after Wally Sterling returns from Europe around the middle of this month.

Today was Victor Viola's first day as a GSRA here; he will do his graduate work with me.

I sent Leslie Wilson of Addison-Wesley Publishing Co. a corrected draft of descriptive material and some biographical material for promotion of my book, The Transuranium Elements.

I also informed Don Cooksey by memorandum of my invitation to speak at the Second United Nations International Conference on Peaceful Uses of Atomic Energy in Geneva at the beginning of September and of my desire to visit the

July 1, 1958

Academician A. N. Nesmeyanov
Academy of Sciences USSR
Moscow
Union of Soviet Socialist Republics

Dear Professor Nesmeyanov:

Although it is rather late to raise the question, and I realize that it may be something of an imposition, I am wondering whether it would be possible for Dr. Stanley G. Thompson of our Laboratory to visit some of your laboratories in the Soviet Union. Dr. Thompson is one of the key scientists of our nuclear chemistry program here in Berkeley. He is a co-discoverer of five transuranium elements, including mendelevium, and has also published a number of scientific papers, including one with me on the masses and energy relations of very heavy isotopes. Recently, Dr. Thompson and Dr. B. B. Cunningham succeeded in isolating pure berkelium on which they measured the magnetic susceptibilities at several temperatures. They are now attempting similar measurements on californium. Dr. Thompson is also interested in heavy ion reactions and in fission, the latter being a field in which much of his work has not yet been published.

Dr. Thompson is especially anxious to see Professor Flerov and Professor Perfilov whom he had the pleasure of meeting when they were in Berkeley. We would be very grateful indeed if arrangements might be made for Thompson to visit some of your laboratories and exchange ideas with those scientists working in fields of mutual interest.

Dr. Thompson is giving a paper at the Geneva Conference on the Peaceful Uses of Atomic Energy, and would like to visit you at the end of August just before the conference, if this would be convenient; another possibility might be that he visit you just after the Geneva Conference. His expenses will be covered by the Radiation Laboratory.

I would appreciate any help you can give us in arranging this visit.

With all good wishes,

Sincerely yours,

GTS:yu

Glenn T. Seaborg

USSR following that conference.

Late in the afternoon I had another brief conference with Ros Ewart.

My mother arrived from her home in South Gate today to spend some time with us.

Helen told me that she had a conference today with Dr. Percy Jennings, our kids' pediatrician, and that Steve and Eric had their swim lessons this afternoon from teacher Robert Newell and his assistant Steve Vance at the home of Dr. Charles and Catherine David on Happy Valley Road.

Thursday, July 3, 1958

I attended the regular Thursday morning meeting of the UCRL Chemistry Group. Present were Alexander, Asaro, Baltzinger, Benioff, Blann, Chiao, Chu, Eads, Faler, Flamm, Futrell, Gordon, Haag, Harvey, Herber, Hill, Hyde, Jeung, King, Kyi, Lovejoy, Marshall, McWhan, Mollenauer, Naito, Newton, Pate, Perlman, Rasmussen, Ruben, Schooley, Silva, Steel, Sugarman, Sweeney, Templeton, Thomas, Unik, Valyocsik, Viola and Winsberg.

Nathan Sugarman, visiting us from the University of Chicago, gave a detailed report on their work on high energy nuclear reactions.

After the meeting I conferred with Iz Perlman, Earl Hyde, John Rasmussen, Dave Templeton and Darrah Thomas. We decided that Darrah Thomas would take over Jack Hollander's responsibility for locating speakers for the Thursday morning meetings. Templeton will work with John Rasmussen on the Building Committee and Frank Asaro will replace Jack on the Library Committee.

At 1:30 p.m. I attended a meeting in the Chancellor's office with Clark Kerr, Greg Engelhard and Alex Sherriffs. We discussed the relationship in the athletic picture between Bud Hastings and Engelhard as well as the relationship of Stanford University to the new athletic association.

I wrote to Bob Hudson of the National Educational Television and Radio Center (NET) and recommended Robley C. Williams and J. Arthur Campbell as possible replacements for me as Senior Consultant in Sciences for them.

I sent copies of a proposed design for a very high flux reactor from the Internuclear Company to Ed Teller, Ken Street, Al Kirschbaum and Ted Merkle at Livermore along with a memorandum requesting feedback from them on the feasibility of undertaking building such a reactor at Livermore to be used chiefly for the production of milligram amounts of transcurium elements. (copy of memo attached).

Friday, July 4, 1958- Holiday

I played golf with Stan Thompson at the Contra Costa Country Club. My score for nine holes was 50 and so was his. We played an additional three holes; Stan's score was 17 and mine 15.

ROOM: [illegible] BLDG.: 70

July 3, 1958

TO: E. Teller
K. Street, Jr.
A. J. Kirschbaum
T. D. Markle

RE: Very high flux reactor

I am enclosing copies of the material from the Internuclear Company concerning a proposed design for a very high flux reactor which I have discussed with Ernest Lawrence and Edward Teller. Upon investigating with W. B. Reynolds, H. A. Fidler and some of the people in the Washington A.E.C. the feasibility of the Radiation Laboratory making a contract with the Internuclear Company for the design study of such a reactor, it developed that this would be possible only if we were ourselves interested in building the reactor or causing the reactor to be built. This raised the question about the possibility of building such a reactor at Livermore, and Ernest showed some interest in this when I discussed it with him.

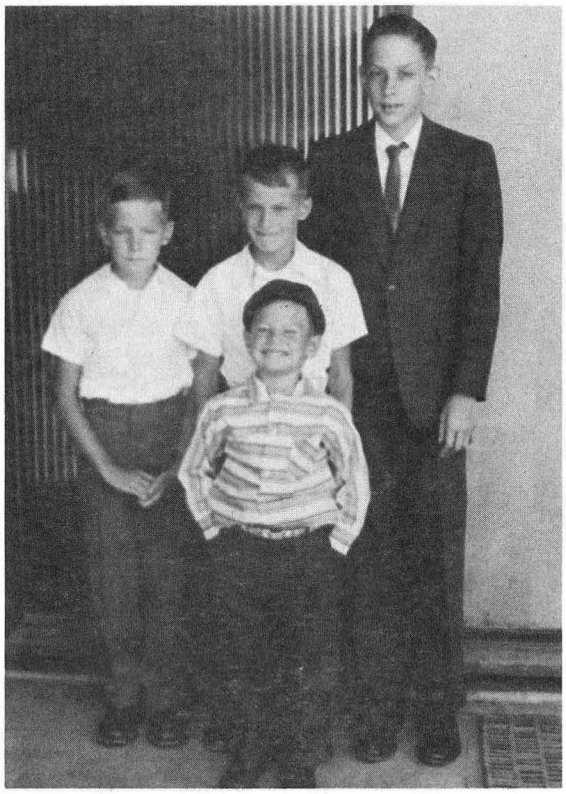
Our main interest, of course, is in a reactor for basic research and, for example, in large values of nvt for slow neutrons in order to build up milligram amounts of transcurium elements. There would certainly be much interest along these lines among Livermore scientists. Another Livermore interest would be in radiation damage testing with fission energy neutrons. A reactor that would take care of both of these things would probably be more complicated than the one described here. Perhaps something not too expensive could be designed if only small samples, as suggested by Edward Teller, were tested. However, it may not be feasible to accomplish both purposes in a small inexpensive reactor.

In any case, I would be very interested in any reaction that any of you might have to the possibility of building a very high flux reactor at Livermore.

Glenn T. Seaborg

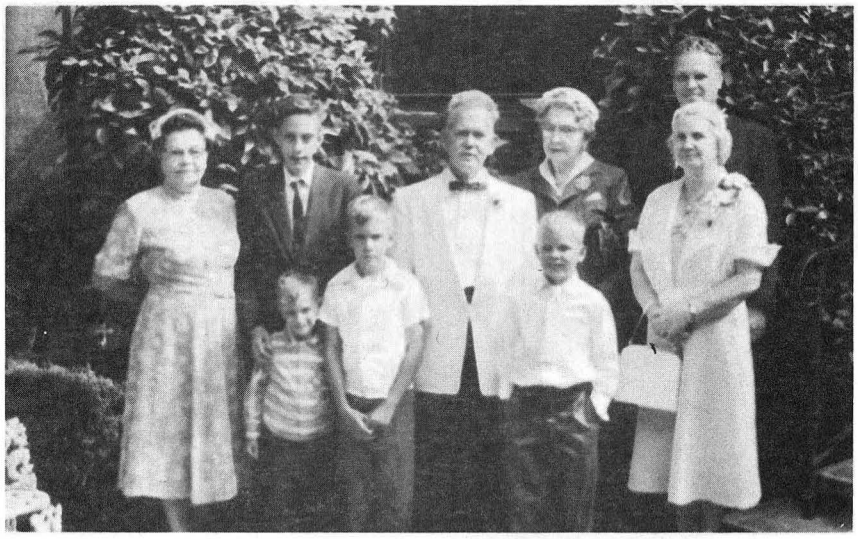
CC W.B.Reynolds

Saturday, July 5, 1958



Seaborg boys all dressed up, ready to go to a wedding- July 5, 1958
L to R: Steve, Dave and Peter Seaborg with Eric in front

Today we helped celebrate the wedding of Dianne Lindgren to James Bryson. Helen, Pete, Dave, Steve, Eric, my mother, Ebba Rockel (my mother's cousin and Dianne's great aunt) and Esther Wells (Dianne's grandmother) attended the ceremony in Berkeley at 2:30 p.m. today.

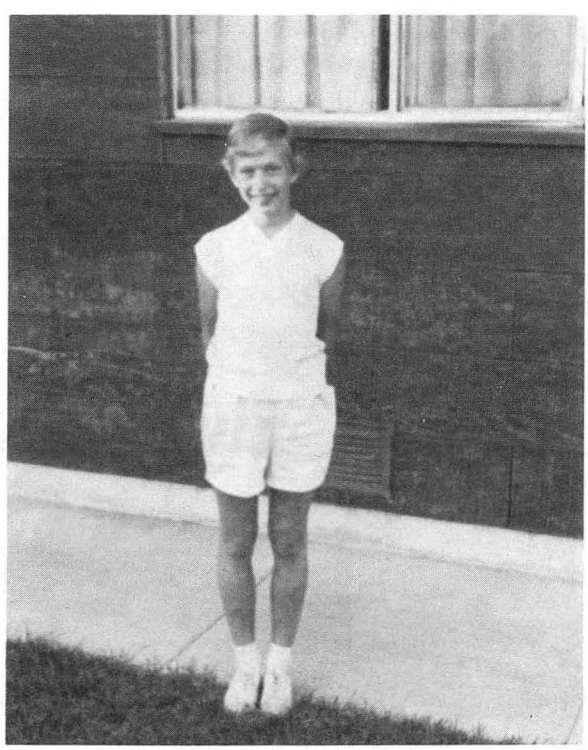


Outside of the church at Dianne and Jim Bryson's wedding- July 5, 1958
Front row: Eric and Steve Seaborg, Peter Lindgren; Back row: Ebba Rockel, Peter Seaborg, Signe Lindgren, Selma Seaborg, and Gladys and Davis Bryson

Jim's father, Reverend Davis Bryson, performed the marriage ceremony and Dianne's parents, Signe and Florence Lindgren, and her young brother, Peter, who had come up from Los Angeles, were there, as well as Mrs. Davis (Gladys) Bryson.

The Bride and Groom, Dianne and Jim Bryson
July 5, 1958

When we arrived home we found that Lynne had returned from her stay (since June 23rd) at the Girl Scout camp in the Sierra. Her campmate was her close friend, Karen Wagner, but they also had an additional campmate during the last part of their stay, Laureen Burr. We found Lynne at the Wagners, who had cleaned her up upon her return from the camp.

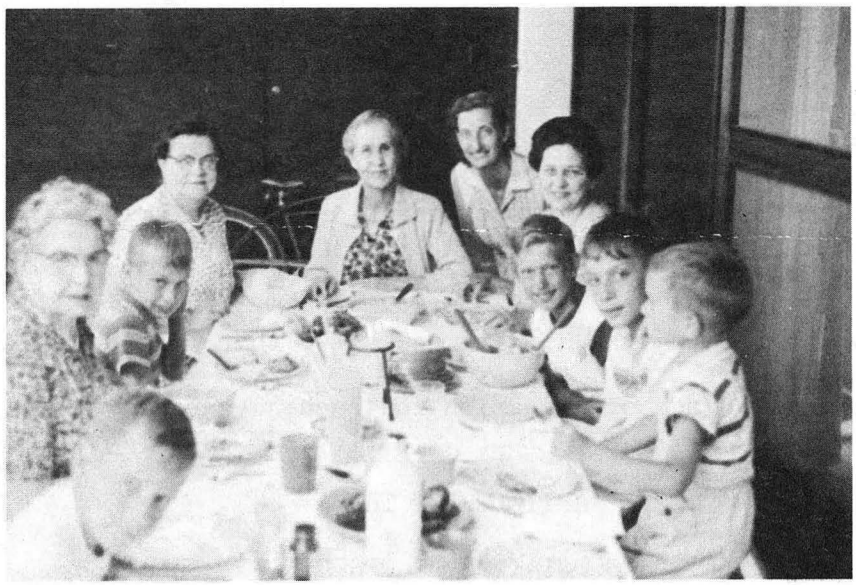


Lynne Seaborg home again after Girl Scout camp
July 5, 1958

Sunday, July 6, 1958

I read proof on my book, The Transuranium Elements.

In the afternoon, Signe, Florence and Peter Lindgren and Esther Wells came over to have dinner in our patio with my mother, Ebba Rockel, Helen, Pete, Lynne, Dave, Steve, Eric and me.



July 6, 1958 gathering on the patio of our Glen Road home
Clockwise: Steve, Selma and David Seaborg, Ebba Rockel, Esther Wells, Helen Seaborg, Florence Lindgren, and Lynne, Pete and Eric Seaborg

Monday, July 7, 1958

I met for breakfast with Clark Kerr, Bud Hastings, Greg Engelhard (all of Berkeley) and Wilbur Johns and Raymond Allen (of UCLA) to discuss the new intercollegiate athletic association.

At 9:30 a.m. the meeting of the "Big Five" at the Alexander Hamilton Hotel in San Francisco began. Present were Bud Hastings, Greg Engelhard and myself (UCB); Wilbur Johns (UCLA); Don Wollett and his replacement, Jack Gose, and George Briggs (Washington); Hugh Willett and Jess Hill (USC); and Chuck Taylor (Stanford). The attached Articles of Association of the Athletic Association of Western Universities (AAWU) was discussed at length and tentatively adopted. The Articles had been drafted by Brad Booth and Johns, modified by Wollett and Briggs, and modified further by Willett and Hill. The meeting did not adjourn until 5 p.m.

Tuesday, July 8, 1958

This morning I received a call from Harry K. Newburn of the National Educational Television (NET) Board regarding the meeting in executive session to be held in New York at the end of this month. In the absence of Chairman Ralph Lowell, Bob Calkins will be in charge . I told Newburn that it is unlikely that I will be able to attend.

CONFIDENTIAL

WHEREAS the University of California at Berkeley, the University of California at Los Angeles, and the University of Southern California have given notice of withdrawal from the Pacific Coast Concerence, effective July 1, 1959, and;

WHEREAS the University of Washington takes the position that the Conference will not continue beyond that date because the membership will then be less than the constitutional minimum of seven and accordingly states that it will not be a member after that date;

Now, therefore, the signatories agree that, effective July 1, 1959, they shall constitute a new organization and each subscribes to the following:

ARTICLES OF THE

ATHLETIC ASSOCIATION OF WESTERN UNIVERSITIES

Article I. The name of this Association shall be ATHLETIC ASSOCIATION OF WESTERN UNIVERSITIES (hereinafter called the "Association"). This Association is formed for the purpose of establishing an athletic program to be participated in by the members on the basis of mutual trust and confidence and based upon high standards of scholarship and sportsmanship.

Article II. Members. Members of this Association are

University of California at Berkeley

University of California at Los Angeles

University of Southern California

University of Washington

New members may be admitted to the Association by unanimous vote of the members. Membership in the Association shall in nowise affect the right of each member to continue or establish athletic relationships with any institution.

Article III. Student Eligibility.

A. A student, whether he enters a member institution directly from high school or after transfer from another collegiate institution, shall be ineligible to compete in intercollegiate athletics at such member institution unless at the time of admission he met its published entrance requirements. (Summary of existing admission requirements of each member institution is attached to these Articles).

B. Each institution, before it permits a student who has transferred from another four-year collegiate institution to compete in intercollegiate athletics, shall require that he spend a year in residence and shall charge him with one season of athletic eligibility in each sport.

C. Each institution shall require a student athlete, as a condition of eligibility, to earn 24 semester hours or 36 quarter hours of degree credit work between seasons of competition in the same sport.

D. Each institution shall require a student athlete, as a condition of eligibility, to be enrolled in and carrying during the season of competition at least 12 hours (semester or quarter) of degree credit work.

E. Except as otherwise provided herein, each institution shall establish the academic rules under which its student athletes may be eligible for intercollegiate athletic competition.

Article IV. Financial Aid to Student Athletes

Each member institution shall establish its rules setting forth conditions and amounts of financial aid for tuition, compulsory fees and room and board. These rules shall include the following limitations:

A. The total amount of financial aid (not including academic scholarships) provided to a student athlete by a member institution, whether by tuition grant, subsistence grant, campus employment, or any combination thereof, shall not exceed the actual cost of tuition, compulsory fees, and room and board at campus rates.

B. A student athlete who, as evidence of need, works at least 250 hours per academic year at the going employment rate on a job provided to him by the institution or athletic association, may receive from his institution a subsistence grant equivalent to the difference between his earnings and the cost of room and board in recognition of his loss of opportunity to work during the practice and playing seasons. A student who is receiving such a subsistence grant shall not be permitted other on-campus or off-campus employment except during vacation periods. Alternately, a student athlete may earn his board by serving as a waiter for a minimum of 250 hours per academic year at a residence hall or fraternity where the board is furnished, with no limitation on his additional employment on or off the campus other than that imposed by the National Collegiate Athletic Association.

C. Academic scholarships (including Rhodes-type scholarships) may be granted to student athletes who receive financial aid under A or B above, provided that the total amount of aid, earned and unearned, does not exceed the limit prescribed by the National Collegiate Athletic Association.

Article V. Scheduling

The original signatories to these Articles, in the exercise of the principle of free choice of opponents, hereby agree to schedule each other annually on a home-and-home basis in football, basketball, and to the extent feasible in other sports, subject only to the provisions of Article VII.

Article VI. Full Exchange of Information

Each member institution agrees to the principle of free exchange of information between member institutions in respect to the operation of its intercollegiate athletic program. Each member institution shall, pursuant to this principle, provide to any other member institution, upon request, complete information in respect to its entrance requirements, its academic requirements for athletic eligibility, its program of financial aid for athletes, and the academic standing of its athletes, including the school of origin, the academic record at admission, the chosen field of study, and the academic record in the institution.

Article VII. Enforcement of Athletic Principles

There shall be no central enforcement agent or agency of this Association. If a member institution has reason to believe that another member institution is violating either the letter or the spirit of

these Articles, it may undertake to resolve its differences by discussions with that institution. If the problem is not resolved satisfactorily by discussion, the aggrieved institution after written notice to the other institution may cancel any of its schedule commitments with that institution.

Article VIII. Executive Officer

The Association shall employ an executive officer who shall make reports, operate the officiating program, gather and keep statistics, and other data, and otherwise administer and manage the affairs of the Association as directed. The executive officer shall have no investigative or enforcement responsibilities.

Article IX. Miscellaneous

A. The rules of the National Collegiate Athletic Association shall govern the recruiting of prospective student athletes except that there shall be no off-campus interviewing of such athletes by any athletic staff member other than the one athletic staff member designated by the institution for that purpose.

B. The rules of the National Collegiate Athletic Association shall govern all matters not covered by the terms of these articles.

C. In the event any member of this Association participates in a post-season football game, the net receipts to that institution shall be divided equally among the members of the Association. The Athletic Directors of the members of the Association shall establish the formula for the determination of the allowable expenses of the participating institution.

D. Actions necessary to implement the policies and principles of these Articles may be adopted by majority vote of the Faculty Athletic Representatives of the full membership of the Association in meeting assembled or by mail vote. Implementation includes election of any necessary officers, adoption of procedural by-laws, levy of necessary assessments upon members, periodic reports to the Association, and any other action within the meaning and spirit of these Articles in order to make them effective.

Article X. Amendments

These Articles may be amended by unanimous vote of the Faculty Athletic Representatives of the members of the Association.

Article XI. Withdrawal

Each member reserves the right to withdraw from this Association by written notice given to every other member at least one calendar year before the effective date of such withdrawal.

For the University of California at Berkeley

_____

For the University of California at Los Angeles

_____

For the University of Southern California

_____

For the University of Washington

_____

7-10-58

I spent part of the morning conferring with Eileen Carson on the Silliman book, Transuranium Elements.

Later in the morning Darrah Thomas, John Alexander, Glen Gordon and I met to discuss the Sugarman recoil technique.

I received a very interesting letter and essay from Catherine Drinker Bowen, whom I met last month at the University of Michigan, at commencement exercises in Ann Arbor, where we both received honorary doctoral degrees. She has written a piece on "Glory" that she says was inspired by a conversation we had at that time about the price that must be paid by a winner of prizes. She concludes her essay as follows:

> "Prizes or no prizes, however, the artist's desire for expression remains. All around him life remains, to be entered into, then retreated from while he interprets what he saw and felt. Even the receiving of prizes is to him worth analyzing; perhaps he must analyze it in order to recover. For he looks back upon the experience as he would look back on illness, as something sharp, disturbing, which carried its own invidious danger. He might say that recovery depends not so much on his sense of proportion, his "common sense", as on the measure of his need to write, which after all has ruled his life."

Wednesday, July 9, 1958

In response to W.B. Reynolds' memo of July 2nd I called Joan Jaffray and suggested that we want about 6g of O^{18} next year. I also asked her to investigate sources of Ne^{21} and whether Oak Ridge can supply N^{15} instead of Isomet. We want 6g per year of C^{13} and she will investigate whether Oak Ridge can also supply this instead of 20th Century Electronics.

I returned the corrected proof for the name and general indexes for my book, Transuranium Elements, to Ruth Bernier at Yale University Press.

Late this morning I went to renew my California driver's license. In the afternoon I played golf with my sons, Peter and David, and a neighbor's son, Tommy Alexander, at the Contra Costa Golf and Country Club. My score for nine holes was 49, Peter's 140, David's 134 and Tommy's 67.

Thursday, July 10, 1958

This morning H. N. Sethna (Sigvard Eklund's assistant at the United Nations) called to tell me that my talk for the Geneva Conference, "Recent Developments in the Field of Transplutonium Elements," has been scheduled for September 10, 1958 at 8:45 p.m. An official invitation to make this presentation was sent to me on June 25th through the State Department.

I attended the regular Thursday morning meeting of the Chemistry Group. After the meeting, Wally B. Reynolds, Ellison Shute, Iz Perlman, Earl Hyde and I met with Mr. William Douglas and an AEC lawyer about the matter of using lab facilities in writing books. It was decided that we would ask if the AEC would settle for an arrangement where they could buy a book on a royalty free basis for their own use. I also mentioned to Reynolds, Cooksey and Shute,

that we would probably ask for permission for Al Ghiorso to go to a conference in Hungary in November and for me to go to Moscow in December.

Gerald Brahms of John Wiley & Sons (Publishers) dropped in to visit and we discussed the book-writing situation in our division.

After lunch I conferred with Ken Hurd of Oakland AEC Security and with Cooksey about Jaromir Maly's impending visit.

In the afternoon Clark Kerr called and asked me to come to his office in for a meeting. He urged upon me the chancellorship of the Berkeley campus. I reminded him that I have told him several times that I would rather not leave my research career to accept this responsibility. However, he said he sorely needs me in this spot so he won't have to worry about the Berkeley campus while handling his expanded responsibilities as President of the University. He asked me to give him my decision tomorrow because he wants to send my name for approval to the Regents Meeting which will be held Friday of next week.

In the evening Rupert Patzelt, the Nathan Sugarmans, the Richard Kings, the Rolfe Herbers, Keiji Naito and Tor Gerholm visited our Lafayette home.

Friday, July 11, 1958

Piers Anderton called to say that Chet Huntley cannot make it so my appearance on the TV show is cancelled.

Adrian Kragen called to discuss the Segrè case with me. He will be out of town for two months and suggested that, should anything come up in the meantime, I might call his colleague in the Law School, Sho Sato.

I called John Williams (Director of the Division of Research of AEC) and told him about the clearance complications with Ghiorso's proposed visit to Hungary for the International Measurements Conference in November. He said he would back us on the basis of the worth of the conference and on Ghiorso's competence. He asked me to send him a copy of the invitation, which I did today. Williams told me that they are fighting for our cyclotron and building addition but that chances would still be rated small.

At 3 p.m. this afternoon I went down to the campus to Clark Kerr's office to discuss my conditions for acceptance of the chancellorship. I told Kerr that I would want to retain the associate directorship at UCRL and continue my scientific research while administrating at the University. To my surprise, he accepted this condition. The appointment will likely be announced at the Regents Meeting next Friday.

Saturday, July 12, 1958

I put the finishing touches on my article, "Early Radiochemical Investigations of Plutonium," and worked on my talk on "The Transuranium Elements" to be given to a group of high school students on Monday.

Sunday, July 13, 1958

I played nine holes of golf today with Stan Thompson at the Contra Costa Country Club (Scores: SGT-54; GTS-52).

This evening Helen and I went to the Clift Hotel for cocktails with Mrs. Sharon Banigan of the Dutton Company, Evans "Red" Valens, and about 500 others as a part of the annual meeting of the American Librarian Association. Afterwards, the four of us went to the Far East Cafe for dinner.

Valens has put the TV script for my half-hour educational TV shows, "The Elements", together with numerous pictures from the film, into a form suitable for publication as a book by Dutton Company.

Monday, July 14, 1958

Dan Wilkes called me this morning about a request he has from Larry Williams (who produces "Doctors' News Conference" for TV). Williams is doing a show for KPIX on the Rockefeller Report on our national defense posture which came out three weeks ago and would like me to participate on a panel later this summer. I declined and suggested he approach Ken Pitzer, Earl Parker, Wendell Stanley or Carl Helmholz instead.

I mailed off my article, "Early Radiochemical Investigations of Plutonium," for the Festschrift honoring Otto Hahn, Lise Meitner and Max V. Laue today.

At 3:30 p.m. I delivered a lecture to a group of high school teachers at 100 Lewis Hall on "The Transuranium Elements."

Tuesday, July 15, 1958

This morning I talked with Dan Wilkes in preparation for the release of the announcement of my appointment as Chancellor at Berkeley.

I also called Melvin Calvin about contributions to furnish a G. N. Lewis Room in the Faculty Club. I suggested that Calvin coordinate it and that each of a small group give $200 (perhaps he should start by contacting Ken Pitzer and Bill Giauque). We also discussed whether or not Calvin might want to go to Geneva to attend the Conference on the Peaceful Uses of Atomic Energy in September. If he does decide to go, he will want to go on the same plane with me.

Hans Von Gunten (a Swiss radiochemist, friend of Peter Graf and climber of Mount Everest) came to visit. He will be here with Burris Cunningham for several days.

Henriette Gurgich came up to visit regarding the matter of gathering materials about the articles of the new intercollegiate athletic association (AAWU) for the next Regents Meeting.

After lunch, I bought new tires for our Oldsmobile and got a haircut.

I went to talk with Dean Ken Pitzer to discuss with him changes needed because of my acceptance of the chancellorship. We talked about the possibility of Iz

Perlman giving up the chairmanship of the Chemistry Department and returning to Rad Lab in September to take my place as Director of the Nuclear Chemistry Division and of Bob Connick taking the chairmanship of the Department, as well as possibilities of senior staff additions to the Nuclear Chemistry Division.

I declined an invitation to speak before the American Institute of Electrical Engineers on September 9th (I'll be in Geneva) but accepted an invitation to speak at the October 24th meeting of the American Association for the United Nations in San Francisco.

I wrote to Lawrence C. Widdoes (Vice President of the Internuclear Company) to express our interest in their proposal for the design of a very high flux reactor and to explain that we cannot possibly act on the proposal within the 60-day limit set by them.

Wednesday, July 16, 1958

This morning I called Ken Street at Livermore and told him about my acceptance of the chancellorship. We discussed the possibility of him returning to the Rad Lab and Chemistry Department at Berkeley and also talked about a number of people who might strengthen the low energy physics projects at Livermore.

I met with Ken Pitzer and Bob Connick to try to convince Connick that he should take over the chairmanship of the Chemistry Department.

I then talked with William D. Douglas about his draft of a memo to Wally B. Reynolds promulgating the rules about book-writing by employees of the Radiation Laboratory. I suggested certain modifications in his rules about commercial scientific publications by UCRL personnel.

About 4:20 p.m. I left to drive to San Francisco for a cocktail party given by the E. P. Dutton Company at the Clift Hotel.

In the evening I attended "Dad's night" for Pete's Boy Scout troop at the Bernard H. Kaplan home (4206 Canyon Drive, Lafayette). Barney Rocca, Scoutmaster for the troop, also attended the affair.

Thursday, July 17, 1958

In the morning I attended the regular Thursday meeting of the UCRL Chemistry Group. Present were Baltzinger, Blann, Chiao, Conway, Eads, Faler, Flamm, Futrell, Garden, Haag, Herber, Hill, King, Latimer, McLaughlin, Michel, Mollenauer, Morton, Patzelt, Poskanzer, Rasmussen, Reynolds, Ruben, Ruiz, Schooley, Shalimoff, Steel, Sugarman, Sweeney, Templeton, Thomas, Unik, Viola, Winsberg and Wu. Unik reported on some preliminary measurements he has made to establish the decay scheme of Pa^{233} using a beta spectrometer he has constructed with the help of Tor Gerholm (who is working as a visitor with our group). Blann reported on his preliminary studies of the fission products from the reaction $Au^{197} + C^{12}$ (using the HILAC) and Faler reported on the decay scheme of 11-hour Ta^{175} produced in the bombardment Ho + N (using the HILAC).

Mrs. Sharon Banigan (Children's Book Editor of E. P. Dutton Co.) visited the Lab and I showed her around our building. Darrah Thomas and Hugh Bradner then

took over host duties for a more complete tour.

After lunch with Jim Cobble, I saw W. S. Bigelow to go over the July professional salary increases for the Nuclear Chemistry Division.

The official invitation to speak at the Second International Conference on the Peaceful Uses of Atomic Energy was forwarded to me through the State Department and the Atomic Energy Commission.

The Articles for the Athletic Association of Western Universities (copy attached on July 7th) was discussed at a meeting of the Regents' Committee on Educational Policy. It will be presented at the fall meeting of the Regents tomorrow.

Apart from a conversation with Luis Alvarez, the rest of my afternoon was consumed by my efforts to clear my desk before assuming my new duties as chancellor. I went through piles of periodicals and journals and generally "cleaned house".

Friday, July 18, 1958

Arriving at my office late this morning, I worked on polishing my statement accepting the chancellorship.

I received a call from George Gabelman (Chief of the AEC Personnel) asking for a recommendation for L. B. Werner to work at the London office. I gave him an excellent recommendation, without qualifications.

Among other general correspondence I wrapped up before taking off for my vacation with my family were: a letter nominating John Rasmussen for the Junior Chamber of Commerce "Ten Outstanding Young Men of 1958", a letter to Sigvard Eklund formally accepting the invitation to speak at the Geneva Conference and a letter to Emilio Segrè regarding Kragen's call of July 11th.

I was pleased to receive a memorandum from Lionel Viales showing that the Chemistry Program's expenditures for FY 1958 were $13,000 under budget.

At 1:30 p.m. I went to hear Nathan Sugarman speak at the Nuclear Seminar in Building 70 on studies of high energy nuclear reactions.

At approximately 4:30 p.m. President Kerr's office called summoning me to the Regents Meeting at Sproul Hall. My appointment as Chancellor is now official; I will begin work in that capacity, after my vacation, on August 15th. A copy of my acceptance statement is attached. The appointment appears to be very well-received. Isabel Davis called my UCRL office and told Doral that there was quite a celebration going on in the President's Office late this afternoon.

Other items of interest on the Regents' agenda were the announcement of a cooperative agreement between the University of California and Stanford University and the announcement of appointments to membership in the American Academy of Arts and Sciences of University scholars, including Luis W. Alvarez, Theodore H. Bullock, Melvin Calvin, Kenneth Pitzer, Roger Revelle and me. The Regents also approved the entry of Berkeley and UCLA into the new Athletic Association of Western Universities (AAWU).

Statement to Press on the Occasion of Appointment as Berkeley Chancellor

During the past 29 years it has been my privilege to be associated with the University of California, first as an undergraduate on the Los Angeles campus and then as a graduate student and faculty member on the Berkeley campus. I have come to appreciate more and more the broad and important role the University plays in our society. I have become aware that my professional colleagues, the President, and the Board of Regents all hold their functions in the University as public trusts. To be entrusted now by President Kerr and the Regents with the leadership of our great community of scholars at Berkeley is an honor that fills me with pride, gratitude, humility, and a deep sense of responsibility.

All of us who know the history of the University and who think about its future appreciate the challenging opportunities ahead. Under President Sproul's leadership the University has experienced a magnificent period of growth and has matured into one of the world's great centers of learning. In President Kerr we have a leader whom we may confidently expect to increase even more the stature of our university.

To continue our tradition of bigness and high quality in the years of rapid growth that lie ahead will test our imagination and our skill. There are difficult problems in faculty staffing, in the construction of physical plant and in the maintenance of the vitally important but less tangible relationships between faculty and students which inspire the best performance of both.

It is my conviction that the greatness of a university derives from the intellectual status of its staff. We have earned the respect of the people of California and of the academic world by traditionally attracting faculty and students of high caliber. As California citizens send more students to us and we inevitably increase in size, we must redouble our efforts not only to continue, but even to improve, the University's high intellectual caliber. We must exercise great care to have a proper balance between the humanities, the professional areas, the social sciences, and the physical and natural sciences and we must never allow an overemphasis in any one of these areas of scholarship.

As for the matter of size, we must remember that bigness has some advantages as well as liabilities. A large university with a great faculty can offer students a richness and breadth of intellectual opportunity, as well as great libraries and research facilities, that cannot be duplicated in a smaller institution. Our challenge is to continue to put such assets to work for the greater good of students, faculty, and the people of California.

Needless to say, as Chancellor I shall keep uppermost in mind the crucial and classical function of a university in society: to foster free inquiry and teaching under the highest possible standards of objective scholarship.

Glenn T. Seaborg
July 18, 1958

Saturday, July 19, 1958 - Balboa

To cancel or postpone our long-planned vacation at Balboa would have been to invite family mutiny. Therefore, the demands of the chancellorship will have to wait, at least in part, until after our family vacation.

The newspapers are full of the news of my appointment as chancellor and floods of congratulatory telegrams have begun to arrive. I have arranged that copies of the telegrams and letters will be forwarded to Balboa so that I may make a stab at acknowledging them at my leisure.

The seven of us took off today in our Oldsmobile and drove south for three weeks at the beach. We stopped at my parent's home (9237 San Antonio Avenue, South Gate) for dinner. We then drove to our rented house at Balboa Beach (126 E. Ocean Front), the same place where we spent our vacation in the summer of 1956. Our house fronts a wide expanse of beach leading to the ocean and Balboa Bay is just a few blocks away in the opposite direction behind our house.

Sunday, July 20, 1958 - Balboa

Our family spent a relaxing day at the beach in front of our rented house. The kids enjoyed swimming in the ocean and a picnic lunch on the beach. I took some movies of them playing in the waves.

Monday, July 21, 1958 - Balboa

Jack and Barbara Henry came to visit us at Balboa Beach today. They brought along their children, John, Louise and Dorothy, who enjoyed playing on the beach with our children. Barbara is Helen's cousin.

Tuesday, July 22, 1958 - Balboa

My sister, Jeanette, joined all of us on a family expedition to Disneyland in Anaheim today. I took movies of the children on the various rides in the amusement park, including the pack mule ride, the Santa Fe train around the outside of the park, Tom Sawyer Island, the Jungle Safari ride and the Alice in Wonderland ride. They also had a great time driving the midget cars around the track.

Wednesday, July 23, 1958 - Balboa

I played golf today with Clayton Sheldon at the Irvine Coast Country Club (Scores: CES- 92; GTS-101)

Thursday, July 24, 1958 - Balboa

Today we enjoyed a visit from Betty New, her two sons, Dale (12) and David (9) and her daughter, Judy (5). We all went together to Balboa Bay, which is very near us. Betty was a high school friend and college roommate of Helen's.

Regents Announcement

UC, Stanford Set Up Pool for Graduate Studies

SAN FRANCISCO CHRONICLE

July 19, 1958

DR. GLENN T. SEABORG
Choice of Regents

Seaborg UC Chancellor At Berkeley

Dr. Glenn T. Seaborg, 46-year-old son of a Swedish immigrant, and 1951 winner of the Nobel prize for chemistry, was named chancellor of the University of California's Berkeley campus yesterday.

He was named by unanimous vote of the Board of Regents to succeed Dr. Clark Kerr, who became president of UC on July 1.

The regents also announced that the distinguished scientist will continue in his position as associate director of the Radiation Laboratory.

WELLMAN NAMED

Harry R. Wellman, professor of agricultural economics at Berkeley and a director of the San Francisco branch of the Federal Reserve Bank, was named vice president of the State-wide university.

James D. Hart, professor of English will continue as vice chancellor, the regents announced.

Seaborg, who in 1956 urged that teaching of science should begin in the first grade, accepted the appointment as chancellor with a statement urging a balanced educational program.

'PROPER BALANCE'

"We must exercise care to have a proper balance between the humanities, the professional areas, the social sciences and the physical and natural sciences.

"We must never allow an overemphasis in any of these areas of scholarship," he said.

Seaborg spoke about the expected tremendous growth in enrollment on the university's various campuses, which Kerr predicted yesterday would reach 103,000 students by 1970.

"As California's citizens send more students to us, and we inevitably increase in size, we must redouble our efforts not only to continue, but even to improve, the university's high intellectual caliber," the new chancellor said.

WIDE INFLUENCE

Seaborg's scientific work, and that of his associates, is felt wherever research in nuclear chemistry is conducted.

Dr. Seaborg's best known scientific accomplishment is his discovery of plutonium, used in the Nagasaki atomic bomb.

During World War II he was chief of the University of Chicago metallurgical laboratory. Here he developed the chemical process for separating plutonium from a mixture of uranium and intensely radioactive fission products.

Dr. Seabord discovered plutonium as a product of his research on the work of Professor Edwin M. McMillan of Berkeley, who, with P. H. Abelson, discovered neptunium early in 1940.

Neptunium and plutonium were the first two elements discovered that were heavier than uranium.

BORN IN MICHIGAN

The new chancellor is a lanky, quiet-spoken man, well liked by his associates both in and out of the sciences.

He was born in Ishpeming, Mich., on April 12, 1912. He worked in a warehouse as a stevedore before entering the University of California at Los Angeles in 1929.

In 1937 he earned his Ph. D. with a thesis about "the inelastic scattering of fast neutrons."

He was married to Helen L. Griggs in 1942. They have five children: Peter, 12; Lynne, 10; David, 9; Stephen, 7, and Eric, 3. The family lives at 1154 Glen road, Lafayette.

Wellman, the new vice president of the State-wide university, was named to a post created in 1949, but filled only now.

He is 59, a graduate of Oregon Agricultural College, and a native of Canada. He and his wife, Ruth, live at 61 Rock lane, Berkeley.

SAN FRANCISCO EXAMINER, July 19, 1958

NEW REGIME — President Clark Kerr of University of California discusses new UC emblem—shown here—with Dr. Glenn T. Seaborg, named chancellor of UC at Berkeley, by UC regents.

Dr. Seaborg New UC Chancellor

$55,106,290 Budget Adopted by Regents

Dr. Glenn T. Seaborg, Nobel Prize winning professor of chemistry and associate director of the University of California's Radiation Laboratory, was appointed chancellor of the university's Berkeley campus yesterday.

Harry R. Wellman, vice president of agricultural sciences, was named to the new position of executive vice president.

The action was taken by the Board of Regents meeting in Berkeley. There were these other developments:

1—The regents adopted a $55,106,290 budget for capital improvements in 1959-60, described as the minimum that could be earmarked if the university is to meet the pressure of increased enrollments, estimated at 17.000 more students by 1962.

2—A reciprocal agreement with Stanford University was approved, making it possible for students and professors to attend special classes on either campus.

3—A UC flag was adopted for the first time, a gold C on a blue background, with the motto, Fiat Lux, "Let There Be Light."

4—A decision was reached to expand the present La Jolla campus of the university to make it the nucleus of the new UC campus to be located in the San Diego area.

5—Unofficially from a private source, The Examiner learned the new northern California campus is almost certain to be located at one of three sites in the Santa Cruz-Monterey area. It would draw students from San Mateo, Santa Clara, San Benito, Santa Cruz and Monterey Counties.

Seaborg, 46, will take over the chancellorship Aug. 15 succeeding Clark Kerr, who has been elevated to the presidency.

BERKELEY GAZETTE

July 19, 1958

Glenn T. Seaborg, Nobel Laureate, Is UC Chancellor

Dr. Glenn T. Seaborg today was named chancellor of the University of California campus here coincident with an announcement that UC and Stanford University will have an exchange program for graduate students.

Dr. Seaborg, 46, the son of a Swedish immigrant, succeeds Clark Kerr who was appointed to the presidency of the University on July 1, succeeding Robert Gordon Sproul.

The UC Board of Regents also announced that Harry R. Wellman, professor of agricultural economics here and a director of the Federal Reserve Bank, will be vice president of the State-wide institution.

James D. Hart, profesor of English, will continue as vice chancellor.

Dr. Seaborg, who will remain as associate director of the Radiation Laboratory, won the Nobel Prize for chemistry in 1951.

FOUND PLUTONIUM

One of his best known accomplishments was the discovery of plutonium which was used on the atomic bomb dropped on Nagasaki in World War II.

In accepting appointment Dr. Seaborg said:

"We must exercise care to have a proper balance between the humanities, the professional areas, the social sciences, and the physical and natural sciences.

"We must never allow an overemphasis in any of these areas of scholarship."

The new Chancellor was born in Ishpeming, Mich., and worked as a stevedore before he entered UCLA in 1929. He obtained his PhD in 1937 with a thesis about "the inelastic scattering of fast neutrons."

He and his wife, Helen, have five children, Peter, 12, Lynne, 10, David, 9, Stephen, 7, and Eric, 3. The family resides at 1154 Glen Road, Lafayette.

The Board of Regents also reported that the school and Stanford University have agreed to make their graduate school facilities more available to each other.

Graduate students in each university may take courses in the other if they wish to make wider use of personnel at both schools. The program is a new one in the West, though it has been practiced by Harvard University and the Massachusetts Institute of Technology.

The Regents also:

Said the Berkeley campus will place more emphasis on graduate studies but will continue lower level teaching "on a substantial level."

Adopted a flag—a blue and gold banner, with a large "C" in the middle, and a streamer flying the school slogan, "Fiat Lux," (Let There Be Light).

Decided the first new campus for an engineering and technical school will be in the La Jolla area, if a proper site can be found.

Announced a $55,000,000 capital improvement program which will benefit the student population expected to reach 58,000 by 1962.

Accepted gifts and pledges totaling $1,169,021.

Dr. Seaborg Named U.C. Chancellor

OAKLAND TRIBUNE
July 19, 1958

Nobel Prize Winner To Continue Work In Radiation Lab

BERKELEY, July 19—Dr. Glenn T. Seaborg, a Swedish immigrant's son who once worked as a stevedore, is the new chancellor of the University of California Berkeley Campus.

The surprise appointment of the 46-year-old Nobel Laureate was announced yesterday by the University board of regents.

Dr. Seaborg will succeed Dr. Clark Kerr, who stepped up July 1 to become president of the University. Seaborg will continue as associate director of the U.C. Radiation Laboratory here.

Appointment of Seaborg and of Harry R. Wellman, professor of agricultural economics, as executive vice president of the statewide University were linked to the regents' approval of a $59,106,190 capital improvements budget for 1959-1960.

17,000 MORE

The University, spokesmen said, must spend that minimum amount if it is to be prepared adequately for the 17,000 additional students expected by 1962.

Among the expansion plans already approved are establishment of a new Institute of Technology at the site of the present Scripps Institute of Technology at La Jolla.

Dr. Kerr and Dr. Donald H. McLaughlin, new chairman of the Board of Regents, issued a joint statement declaring the new center may become the nucleus of a complete undergraduate and graduate campus for the San Diego area.

NOISY LOCATION

Dr. McLaughlin said the only serious problem which may prevent use of the La Jolla site as a new campus, competing in size with Berkeley and UCLA, is the nearby Miramar Naval Air Station.

"The noise level from jet aircraft is very high, and unless the situation can be corrected, it may prevent us from carrying out the full program there," he said.

In the $55,106,290 capital expansion budget adopted during yesterday's meeting, the regents have allocated $6,700,000 for new campus site acquisition, planning and development, and $495,000 for plans and working drawings additional for the San Diego campus.

INSTITUTE SEPARATE

The U.C. Institute of Technology, Dr. Kerr explained, will be a separate program and will go ahead regardless of other factors. It will provide only graduate instruction and research in mathematics, physics, chemistry, the earth and biological sciences and engineering.

"Faculty at the new institute will be appointed with the unlaboratory duties, Seaborg has served as the school's faculty derstanding that they will eventually teach both undergraduates as well as graduates, and they will carry a full teaching load," Dr. Kerr asserted.

Other elements in the huge capital expansion budget provides for:

1—A $14,177,700 expenditure for the Berkeley campus.

2—A $50,000 item in the $1,012,300 allocation for the San Francisco campus which will be used for "site and feasibility studies for future campus development."

3—An $802,500 appropriation which the university plans to use in acquiring the California Farm Bureau building at 2223 Fulton St. The structure will house the University Extension headquarters, now located in a building at 2441 Bancroft Way.

Dr. Seaborg, who will assume his new post Aug. 15, will have an important role in the university expansion.

He was awarded the Nobel prize in chemistry in 1951. During World War II he headed the University of Chicago metallurgical laboratory and developed the chemical process for separating plutonium from uranium.

At 5:30 p.m. I spoke with Sherwin Badger of Time Magazine and gave him the attached message regarding my plans as Chancellor, my attitude about intercollegiate athletics and my notions about the future development of the University of California.

Friday, July 25, 1958 - Balboa

Leo and Jean Levanas and their kids came to spend the day with us at the beach today. Leo was a classmate as a chemistry major at UCLA.

I talked with Ed McMillan about the Rad Lab by telephone from Balboa. He pledged support of low energy physics in my greater degree of absence from the Lab.

Saturday, July 26, 1958 - Balboa

We spent a relaxing day at the beach opposite our house. Today there were not any visitors. I took some movies of our kids in front of our house and on the beach.

Sunday, July 27, 1958 - Balboa

Today we had quite a large family gathering at our house at Balboa. Our visitors were: Elmer and Lillian Johnson, Clark and Vicki Johnson and their children (Carol, Bradley, and the infant twins, Glenn and Glenna), Lloyd and Doris Johnson and their children (Lucinda, Debra and Stanley), Ethel and Clifford Clauss and Ethel's son, Larry, my mother and my sister, Jeanette, and her husband, Ray Edwards. The 26 of us had a happy day at the beach. In the late afternoon, Elmer, Clarence, Lloyd, Clifford and I played miniature golf on a putting course in the Balboa Amusement Area.

For Those With Extraordinary Eyesight:
GTS with twins Glenn and Glenna Johnson at Balboa Beach, July 27, 1958

At 9:15 p.m. I caught United Airlines Flight #685 from the Los Angeles Airport to San Francisco in order to spend a few days on the campus to take care of a number of urgent matters in connection with my chancellorship and athletic matters.

file
Kerr

The following message was phoned to Sherwin Badger of Time Magazine
on July 24, 1958
5:30 PM

1. There is no implication in my appointment of greater independence for Berkeley as compared with the past. As a matter of fact, President Kerr and The Regents have adopted a policy which suggests greater, rather than less, unification of the whole University of California, and Chancellor Allen and I are in complete agreement with this attitude.

2. I stand in strong opposition to professionalism in intercollegiate football and other intercollegiate sports. The Regents have a policy governing financial aid to student athletes which I helped formulate and which will govern my actions. Our athletes must be students first and athletics must not be outside of, or the cause of, weakening our academic program in any way. I believe that this policy is consistent with a strong program in intercollegiate athletics, which we have and which I shall continue to sponsor.

3. Obviously more scientists are needed in various administrative posts than has been the case in the past. However, I believe that the main criterion for the chief administrative officer at Berkeley was that he be a scholar and his area of specialization was not of great importance. As I stated when my appointment was announced I shall strive for balance in the various areas of scholarship and try to avoid over-emphasis in any one.

4. I have some tentative future plans, but I do not care to reveal them until I have discussed them with our faculty. We have probably the greatest degree of faculty self government of any major University in the country. I might say, however, that I shall suggest that our University undertake a calculated program of leadership, especially in California, and include the pre-college field, in connection with our country's obvious crisis in education, which I consider one of our greatest problems. I hope in this connection to contribute more as a University administrator than I could as a scientist.

5. There may possibly be a little more emphasis on graduate work, but I want to call your attention to The Regents statement issued just this week, which contemplates a balanced program between lower and upper division undergraduate work and graduate work.

Balboa, California GTS

Badger's Phone: CRestview 6-2095

Monday, July 28, 1958- Berkeley

Early in the morning of my return to work at my Rad Lab office I worked with Yo Uchida on responses to my many letters of congratulation on my appointment as chancellor. I talked with Emilio Segrè about our investment with Larry Blake on our salad dressing venture and the possibility of bankruptcy in this.

Eileen Carson and I got together to go over the proofs for the Endeavour article, "The Transuranium Elements", and mailed off the corrections.

I talked with Roger Batzel about the cancellation of the UN demonstration shot which had been scheduled for the Eniwetok site on August 22nd. Last Saturday, July 26th, the State Department cancelled the demonstration, blaming delays in the current testing series caused by poor weather. The UPI Press release stated that the cancellation was more likely due to the fact that only six of the 14 nations invited to observe the demonstration have accepted. That wire story anticipated that a laboratory demonstration on reduced fallout may be held here at UCRL in the next two or three months instead of the bomb test in the Pacific as originally planned for August.

At 2 p.m. I met with Alex Sherriffs in my Rad Lab office and offered him the position of Vice Chancellor for Student Affairs in my regime. He accepted.

Kitty Malloy and I kept a 2:30 p.m. appointment in my Rad Lab office to talk about the personnel in the Chancellor's Office and the general method of management. I asked her to stay on as my Administrative Assistant and she accepted. Florence Eisemann (Kerr's Secretary) is not available (she will go with Kerr to the President's Office) so she will ask Alex Sherriffs to offer Anna Carol Dudley the position of personal secretary to me.

At 3:30 p.m., Dan Wilkes and I conferred about the timing of a press release on Stanley G. Thompson and Burris Cunningham's isolation of californium and decided to wait to release it until later. We also discussed publicity for my talk at the Geneva Conference and the release of my Silliman book on The Transuranium Elements.

At 4 p.m. Clark Kerr and I left to drive to San Francisco for a meeting about the PCC and the AAWU at the Bohemian Club. On the way over to The City in the car we touched on a number of subjects regarding the transition between the Chancellor's Office, including the conversion of the President's home to "University House", (the Seaborgs are staying in Lafayette and using the official residence for University functions only), certain ongoing fundraising projects Clark has initiated and I promised to follow up, replacements for Jack Oswald and Eugene Lee (Lee, Campus Budget Officer, is going with Kerr to the President's Office), various meetings I should attend as Chancellor and the possible future location of the Chancellor's Office in California Hall. Clark also mentioned that he and Ernest Lawrence and Wallace Sterling will probably propose me for membership in the Bohemian Club.

At 5 p.m. at the Bohemian Club we met with Sterling to discuss the intercollegiate athletic association. We agreed that PCC President Snyder should call a meeting of the Pacific Coast Conference on August 9th and 10th at the Portland Benson Hotel to formally disband the conference. Snyder and Sterling will modify the Articles of Association for the AAWU to give greater emphasis to academics. Kerr and I will check the re-write. Stanford will not join the AAWU on August 23rd but Sterling will indicate to the press

SAN FRANCISCO EXAMINER

July 28, 1958

Chancellor Seaborg

S.F. Examiner 7/28/58

DR. GLENN T. SEABORG is a splendid choice as new chancellor of the University of California at Berkeley. He is a scientist, a nuclear chemist of renown. It would be natural to conclude that his appointment is an expression of the dominant role science has come to play in man's affairs, and that it foreshadows the direction of future emphasis at the University. Yet such a conclusion would be erroneous.

Large though Doctor Seaborg's stature is in the world of science he is not primarily a scientist but a scholar and, most of all, an educator. He sees education's functions in the broadest terms, as a principal source of the well-being of mankind and—the world being what it is—a major means to mankind's survival.

Long before the Russian sputniks Doctor Seaborg left his laboratory to urge from scores of forums a broadening and toughening process in American education. He emphasized the need for this process in the humanities, the social sciences and the professions as well as in his own field of the physical sciences.

If he belongs in any tradition it is that which produced such men as Dr. James B. Conant, former president of Harvard University and likewise a chemist of the first rank. They are a breed of scientist-educators with far ranging intellects; the world needs more of them.

Having emphasized Doctor Seaborg's academic breadth we now reverse our field to note with pleasure that he will continue as associate director of the great UC Radiation Laboratory, and that the Seaborg research team that performed so notably in microchemistry and the discovery of the transuranic elements will remain intact. We hope this means the university, in gaining an administrator, has not lost a scientist.

their intention to join. We talked about the possibility of Oregon as a member of the new association. However, Kerr feels that would only be possible if Orlando Hollis were out of the picture, Oregon imposed higher entrance requirements, and, less important, we are prepared to cope with adverse reactions from Los Angeles.

Tuesday, July 29, 1958

At 10 a.m. I met with Greg Engelhard in my Rad Lab office to talk about the special meeting of the PCC in Portland on August 9th and 10th. We also discussed possibilities for Faculty Athletic Representative. Suggestions included Bill Keeler, Wendell Stanley and Carl Nordly. The new Faculty Athletic Representative will have his expenses paid through the Chancellor's Office rather than the ASUC as has been done in the past. Greg and I both expressed hope for closer relations between the ASUC, the Athletic Department and the University. We touched on some of the vexing problems between Engelhard (Athletic Director of the ASUC) and Bud Hastings (Executive Director of the ASUC).

At noon I went down to the President's house on campus for a luncheon in honor of Earl Warren.

Beginning at about 3 p.m. in the President's Office, Clark Kerr gave me a general overview of the various departments on the Berkeley campus and what kind of a job he feels they and their staffs are doing. On the whole, Clark feels that the order of the quality of education in various fields at the University might be rated (beginning highest quality) as follows: 1) Physical Sciences, 2) Biological Sciences, 3) Social Sciences, and 4) Humanities. Particular problems include: dramatic art, architecture, languages, journalism, philosophy.

Kerr also gave me some good advice: to follow the recommendations of the Budget Committee on promotion and salaries, to take the advice of the Committee on Educational Policy seriously but not be bound by it, to pay attention to the activities of the Academic Senate and the Representative Assembly but avoid participating in debate, etc. Other recommendations concerned appointments to various positions. I agreed to Bill Shepard as Dean of Students, Bob Kerley as Business Manager and Joe Hutchison as Assistant Business Manager.

Near the end of the meeting, Lincoln Constance (Dean of the College of Letters and Sciences) came in and we continued the discussion of the strength of various academic departments with him. His recommendations on the vice chancellorships (Jim Hart and Ed Strong) were somewhat ambivalent.

Patent No. 2,845,544, Neutron Measuring Method and Apparatus, was issued today to me, Gerhart Friedlander and John W. Gofman.

At 6 p.m. I caught United Airlines Flight #650 from the San Francisco Airport to southern California to rejoin my family on their vacation in Balboa.

Daily Californian
MONARCH OF THE COLLEGE DAILIES
Berkeley, California, Tuesday, July 29, 1958

Seaborg assumes Chancellorship at Berkeley campus

Glenn T. Seaborg, professor of chemistry at the University of California was named Chancellor at Berkeley at a recent Regents' meeting.

Seaborg's appointment will become effective August 15 following his vacation. He will continue to serve as associate director of the Radiation laboratory and his research team will remain intact to continue its work under his direction.

Chancellor-elect Seaborg is noted for his research on the transuranium elements, for which he and Professor Edwin M. McMillan received the Nobel Prize in chemistry in 1951. Since 1940, he has been co-discoverer of all nine artificial elements between plutonium (element 94) and the recently discovered element 102.

Seaborg was educated at the University of California, taking his A.B. degree on the Los Angeles campus and his doctorate at Berkeley. He is the only University alumnus who has been named "Alumnus of the Year" by the alumni associations of both campuses.

Between 1942 and 1946, Seaborg as director of plutonium research for the Manhattan project at the University of Chicago Metallurgical laboratory. One of his principal responsibilities there was the working out of the complete chemical process for the separation of plutonium.

Following is a statement by Seaborg made upon his acceptance of his appointment to the Chancellorship.

"During the past 29 years it has been my privilege to be associated with the University of California, first as an undergraduate on the Los Angeles campus and then as a graduate student and faculty member on the Berkeley campus. I have come to appreciate more and more the broad and important role the University plays in our society. I have become aware that my professional colleagues, the President, and the Board of Regents all hold their functions in the University as public trusts. To be entrusted now by President Kerr and the Regents with the leadership of our great community of scholars at Berkeley is an honor that fills me with pride, gratitude, humility, and a deep sense of responsibility.

GLENN T. SEABORG, pictured above was named Chancellor at Berkeley, replacing recently-appointed President Clark Kerr.

All of us who know the history of the University and who think about its future appreciate the challenging opportunities ahead. Under President Sproul's leadership the University has experienced a magnificent period of growth and has matured into one of the world's great centers of learning. In President Kerr we have a leader whom we may confidently expect to increase even more the stature of our university.

To continue our tradition of bigness and high quality in the years of rapid growth that lie ahead will test our imagination and our skill. There are difficult problems in faculty staffing, in the constructon of physical plant and in the maintenance of the vitally important but less tangible relationships between faculty and students which inspire the best performance of both.

It is my conviction that the greatness of a university derives from the intellectual status of its staff. We have earned the respect of the people of Californa and of the academic world by traditionally attracting faculty and students of high caliber. As California citizens send more students to us and we inevitably increase in size, we must redouble our efforts not only to continue, but even to improve, the University's high intellectual caliber. We must exercise care to have a proper balance between the humanities, the professional areas, the social sciences and the physical and natural sciences and we must never allow an overemphasis in any one of these areas of scholarship.

As for the matter of size, we must remember that bigness has some advantages as well as liabilities. A large university with a great faculty can offer students a richness and breadth of intellectual opportunity, as well as great libraries and research facilities, that cannot be duplicated in a smaller institution. Our challenge is to continue to put such assets to work for the greater good of students, faculty, and the people of California.

Wednesday, July 30, 1958 - Balboa

We all (Helen, Pete, Lynne, Dave, Steve, Eric and I) visited Knott's Berry Farm (a huge amusement area) in Anaheim today. The children rode on burros and in covered wagons.

Wagon Ho! Knott's Berry Farm, July 30, 1958
Front row: Pete, Dave and Eric; Back row: Lynne and Steve

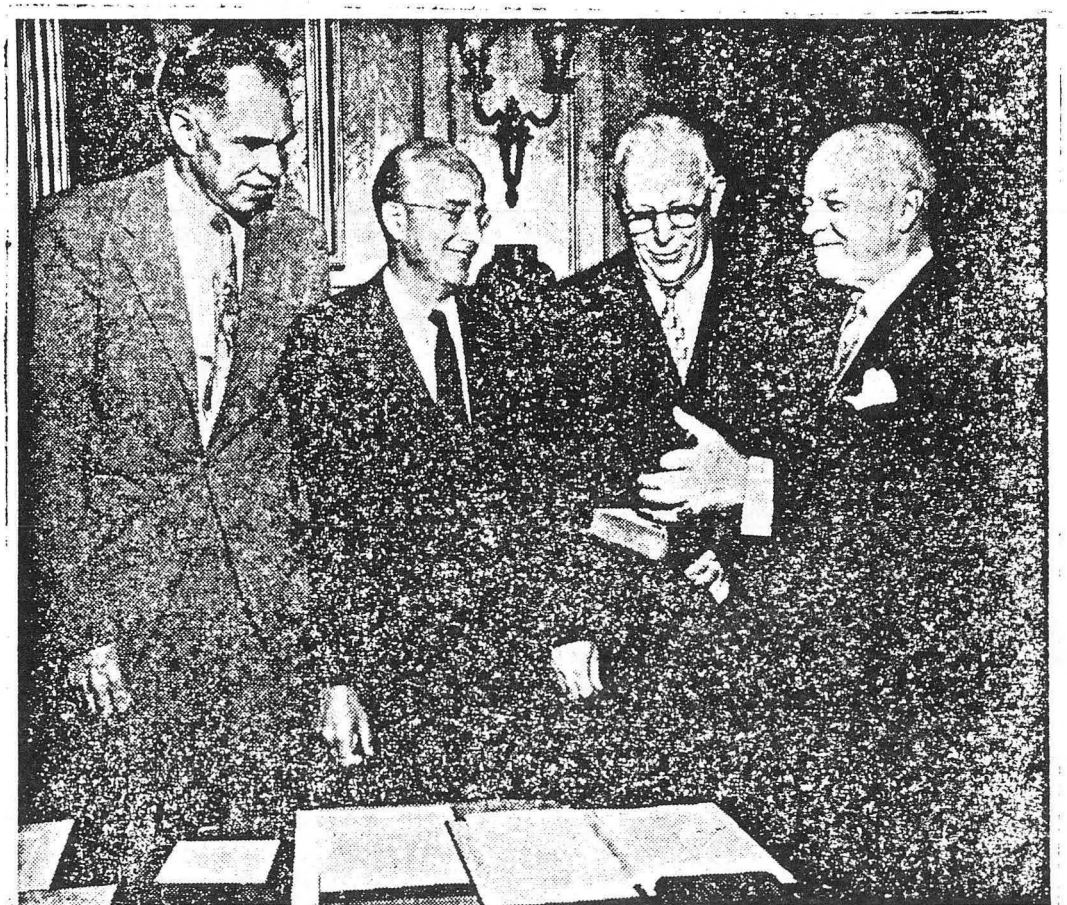
Thursday, July 31, 1958 - Balboa

I received a telephone call from Will Dennes. I agreed that he could send a committing letter to Jerzy Neyman regarding his European visitor next year to the Miller Institute for Basic Research in Sciences despite the fact that it won't pass the Regents until next month. I also mentioned that he should recommend a replacement for me on the committee if Kerr takes over responsibility for the Institute.

Don Wollett also called from Seattle and I reported the agreements reached between Clark Kerr, Wallace Sterling and me. Plans to sign for the AAWU on August 23rd are still on--although Stanford will probably sign later. Wollett questioned whether or not Hollis might want some "quid pro quo" (i.e. more than equal division of the assets of the PCC, some Rose Bowl agreement). He said he cannot vote against Washington State College on any questions regarding the Rose Bowl, told me that Charles Odegaard will start as President of the University of Washington on August 1st and that Harold S. Shefelman is head of the Washington Board of Trustees. I told him that Sterling may call him. Wollett would like to meet with me on the night of August 8th before the meeting to dissolve the PCC.

BERKELEY GAZETTE

July 30, 1958



Chief Justice of the US Supreme Court Earl Warren, second from right, examines a rare copy of the first volume of Dallas' "US Supreme Court Reports" of 1790 with Perc S. Brown, right, who presented the volume along with other items of Americana to the University of California. Looking on are UC Chancellor Glenn Seaborg, left, and President Clark Kerr. The items were presented in honor of Chief Justice Warren's visit to the law school on the Berkeley campus. Berkeley Gaz. 7/30/58 Gazette photo

Friday, August 1, 1958 - Balboa

This morning I telephoned Eileen Carson at my Rad Lab office. I asked her to accept an invitation from Peg Yeager to speak at an open meeting of the Walnut Creek Branch of the American Association of University Women in May 1959 and to let Dan Wilkes know that a story on my family proposed by the Examiner is okay for the end of the month.

Eileen transferred my call to Anna Carol Dudley in the Chancellor's Office. I suggested that she set up appointments on August 8th with Bill Shepard, Bob Kerley, Joe Hutchison, Gene Lee and candidates for Lee's position as Budget Officer on the Berkeley campus as well as candidates for my faculty assistants. I asked her to have President Kerr call me at Balboa regarding discussions with Stanford on the new athletic association.

In the afternoon I played golf at the Santa Ana Country Club with Clayton Sheldon and a Dr. Hudson. Hudson played only the first nine holes with a score of 45. Clayton and I played a full 18 holes; his score was 88 and mine 97.

When I returned home, I received a phone call from Dr. Van Horst who wished to send a congratulatory cablegram to the Scientific Conference in Indonesia in my name as Chancellor. I consented to this and asked him to mail a copy to my Rad Lab office.

Ed Schoenfeld (sports writer for the Oakland Tribune) called me to ask my reaction to Stanford's announcement that at the meeting in Portland next week they will ask that the PCC be disbanded as of July 1, 1959. I told him I was pleased by the news.

Saturday, August 2, 1958 - Balboa

Hugo Carlson (Vice President of Development at Gustavus Adolphus College) called to discuss a proposal to establish "Junior Nobel" prizes. I suggested that the prizes be called Bernadotte Awards instead and that one or two of them be awarded annually in a range of $1,000-$5,000. I mentioned that he might also want to talk with Carl Anderson, a Nobel prize winner at Cal Tech of Swedish descent.

I read through some of the congratulatory letters I brought back from Berkeley with me and drafted some replies. The rest of the day was spent on the beach relaxing.

Sunday, August 3, 1958 - Balboa

Ken Neweff and I paired off against Clayton Sheldon and Al Tullgren for a game of golf at the Santa Ana Country Club today. We played for low ball and low total (two points per hole). Ken and I lost, 5 and 4. Our individual scores were Clayton-95, Ken-82, Al-89 and me-105.

Monday, August 4, 1958 - Balboa

At 8:45 a.m. Clark Kerr called me from his home in El Cerrito in response to the message I left with Anna Carol last Friday. I mentioned the possibility

Seaborg New U. C. Chancellor

Dr. Glenn Seaborg, Associate Director, was appointed Chancellor of the University of California at Berkeley effective August 15. Dr. Seaborg also will continue as Associate Director of the Laboratory. He will succeed Dr. Clark Kerr, who recently became President of the University.

Dr. Seaborg earned his A.B. from the University of California, Los Angeles, and his Ph.D. from the University of California, Berkeley, both in chemistry. He began his chemistry career as Laboratory Assistant to the late Dr. Gilbert Newton Lewis, then Dean of the College of Chemistry at Berkeley.

In 1939 Dr. Seaborg became an instructor on the Campus and two years later was promoted to Assistant Professor. In 1940 Dr. Seaborg and his associates discovered plutonium, which was so important to the atomic-bomb project. In the spring of 1942, shortly after the Pearl Harbor attack, Dr. Seaborg was asked by the United States Government to work on the Manhattan Project in Chicago, the organization set up to develop the atomic bomb.

Dr. Seaborg returned to the University in May 1946 as full Professor at the University and was appointed Head of the Chemistry Department for the Radiation Laboratory. In 1954 he was appointed an Associate Director of the Laboratory.

Dr. Seaborg, one of the outstanding scientists of our time, has been the recipient of numerous honors, the most notable being the Nobel Prize, which he shared in 1951 with Dr. Edwin McMillan (also Associate Director of the Laboratory) for pioneering work on the transuranium elements. He has been a Lecturer at several colleges and appointed to a number of high-ranking committees and posts. He has been the author or co-author of nearly 160 books, articles, and papers on nuclear studies and with his associates has compiled a complete table of isotopes.

Dr. Glenn Seaborg

Along with carrying out his busy scientific career, Dr. Seaborg has been Faculty Athletic Representative for the Berkeley Campus. In his acceptance statement following the Regents' meeting on July 18, Dr. Seaborg said, "We must exercise care to have a proper balance between the humanities, the professional areas, the social sciences, and the physical and natural sciences; and we must never allow an overemphasis in any one of these areas of scholarship."

TIME Magazine

August 4, 1958

Transmutation

A few months ago Chemist Glenn Seaborg talked warmly of the compensations of his calling: "Stable employment, reasonably good pay, and considerably less pressure and worry than many other groups—such as educators." Sometime in August, Seaborg, who won a Nobel Prize with Physicist Edwin McMillan for discovering plutonium (the pair also discovered berkelium, californium, four other elements), will leave his post as associate director of the University of California's Radiation Lab at Berkeley to become a fulltime educator. New job: chancellor of the university's Berkeley campus (18,981 students), replacing Clark Kerr, now president of the university (TIME, July 28).

A tall, blunt-featured man whose interests have long ranged farther than the laboratory, Seaborg follows Cal teams on out-of-town trips, turns up at locker-room wakes—and also fights football professionalism. In 1957 he became a leading teacher-by-television in the science series programmed by San Francisco's hot-shot educational TV station, KQED. He recently helped overhaul math and science teaching in California public schools.

At first reluctant to spend as much time away from the Radiation Lab as his new job will require, Chancellor-elect Seaborg has pledged himself to "keep uppermost in mind the crucial and classical function of a university in society: to foster free inquiry and teaching under the highest possible standards of objective scholarship." But many scientists will still wonder whether one of the world's best chemists should pour himself into the world of university management—which, even at one of the best campuses in the nation, consists largely of parking problems, building plans and ruffled regents.

that Orlando Hollis of Oregon might demand Rose Bowl concessions in return for agreeing to the dissolution of the Pacific Coast Conference and asked him to discuss this possibility with Sterling.

We also talked about the two year term for vice chancellors which I feel is not long enough. He agreed that three year terms might be a better idea. Our discussion touched briefly upon the degree of familiarity which Ed Strong has with the duties of a vice chancellor. I also learned that appointments have been made for me to interview several candidates for faculty assistant openings in the Chancellor's Office on Friday.

Greg Engelhard phoned shortly before lunch and informed me that Bernie Hammerbeck has called a meeting of the special Rose Bowl Committee for dinner on Friday in Portland. He will attend that meeting as a member of the committee and try to postpone any action. If this is unsuccessful, he will advocate "Plan B" for a 1960 game only. I asked him to keep Kerr informed of all activity.

At 2:30 p.m. I called Iz Perlman at the Rad Lab. We discussed some of my problems with vice chancellor appointments and my need for two one-year-term faculty assistants. I asked Iz to read the letter from Otto Struve about the need for a space sciences program and give me his comments. I also requested that he talk to Israel Cornet about some of the dissatisfactions in the College of Engineering. He transferred my call to Eileen Carson and I dictated some correspondence to her.

Almost immediately after we hung up, I received a call from Hal Lemon (Portland Journal), questioning the statement attributed to me in an AP release that we would be talking about a new athletic alignment in Portland next week. I said that I did not say that. However, I conceded that we might possibly discuss such things as the basketball schedule informally over drinks.

Tuesday, August 5, 1958 - Balboa

My mother came to visit us at Balboa today. She went with Helen, Eric, Steve and me to Balboa Bay where Helen and I took turns shooting movies of the group at play.

Wednesday, August 6, 1958 - Balboa

Anna Carol Dudley called me this morning at 8:30 a.m. to inform me that she has set up nine appointments for Friday afternoon. (Included among these is a conference with Kitty Malloy who wants her status defined.) I also spoke with Eugene Lee who rates Hilary Fry as the best candidate for his replacement. Gene told me that Dean McHenry raised the question whether I should have a high-paid male executive assistant like UCLA Chancellor Allen; Allen's assistant, Russ Barthell, receives $13,000-$14,000 per year.

At 9 a.m. Iz Perlman called me. He reported that Bob Connick will take over chairmanship of the Chemistry Department as of September 15th. He also discussed Ken Street's move to Berkeley with Ken Pitzer who okayed it and the stipend from Livermore. Iz transferred my call to Eileen Carson to whom I dictated several more responses to congratulatory letters, including one from Vice President Richard M. Nixon.

I played a good game of golf with William Dauben at the Meadowlark Country Club in Huntington Beach. His score was 93 and mine, 94. Bill had some suggestions of possible candidates for faculty assistants to the Chancellor to replace Jack Oswald and Ed Strong. He thinks Sanford Elberg (Bacteriology Department) and Henry Nash Smith (English Department) would be valuable additions to my staff.

Greg Engelhard called from his home about 5:15 p.m. to convey the information that after talking with Kerr, he called Rixford Snyder of Stanford. Snyder said that Stanford does not regard the Rose Bowl as "quid pro quo" for PCC dissolution. However, they do favor nine school participation in the 1960 Rose Bowl game. Announcement was made today of the post-game football broadcasts and of the planned appearances of Pete Elliott on a separate show.

Around 7:30 p.m. I called Vic Schmidt (whose job as PCC Commissioner is ending) to talk over the possibilities of a position for him at the Berkeley campus. He is willing to accept a salary of as low as $8,000 to $10,000. I told him that a faculty position is unlikely, but that I will look into other possibilities. His speciality is real property, contract law and law of evidence. He will be 55 in December.

Thursday, August 7, 1958 - Balboa

At 9 a.m. this morning Ed Schoenfeld called to ask if I think there is a deal between Stanford and the PCC on the Rose Bowl; I said no. He asked what our position on the 1960 game is. I stated that we would not proffer any arrangement with the northern schools but I implied that we might compromise. These confidences were "off the record". For a quote, I told him, "I am very happy that we are having an amicable dissolution of the Pacific Coast Conference."

At 1:30 p.m. I called Doral Buchholz at the Rad Lab and suggested more answers to letters of congratulation. I also asked her to arrange for a Lab driver to pick me up at the San Francisco Airport this evening and to call Jim Day at KQED to decline the invitation to attend and speak at a luncheon in mid-September which Kerr and Sterling will attend.

I departed Los Angeles on United Airlines Flight #745, arriving at San Francisco at 8:30 p.m. Selby picked me up and drove me home to Lafayette. En route on the plane, I made notes of some thoughts regarding appointments. I think Robley Williams would be a good choice for the TV Committee (to replace me). If it is agreeable with Dennes, Ken Pitzer might be a good man for the Institute of Basic Research in Science (the Miller Institute). I will appoint an ad hoc committee consisting of Otto Struve, Iz Perlman and Luis Alvarez to study Struve's suggestions for a space sciences program. Another committee might be appointed to study increased ASUC and University athletic relationships (perhaps Wendell Stanley, Carl Nordly and Greg Engelhard). Stanley might be a good candidate for Faculty Athletic Representative and Nordly an extra member of the Athletic Advisory Board. I believe that my two faculty assistants should be from 1) the social sciences and 2) the biological sciences--especially if Hart and Strong are the vice chancellors.

When I arrived home in Lafayette, I went next door to talk with Iz Perlman. He reported that he has talked with Ken Street who cannot leave Livermore

right now. Street's current salary is $20,000; Ken Pitzer thinks that nine months at $12,000 plus summer salary to increase this to $16,000 plus $2,000-3,000 special stipend would be okay.

Iz also spoke with Israel Cornet and Bill Nierenberg about Engineering. They don't lay the blame at Mike O'Brien's door. In their opinion, the department has brought in too many men between 40 and 50 years-old as full professors. These full professors cannot teach basic engineering courses and, therefore, the young men are often overloaded, which creates a morale problem. Division chairmen also create some problems through lack of cooperation. The best divisions are Mineral Technology and Electrical Engineering. Perlman passed on a practical suggestion that an assistant to the chancellor be appointed from Engineering who could effectively watch over appointments. Possibilities for this position include Earl Parker of Mineral Technology, Samuel Silver of Electrical Engineering and John Dorn of Mineral Technology. I mentioned my idea of having him serve with Otto Struve and Luis Alvarez on the committee to make recommendations on a program for research in space sciences. Iz and I also discussed the notion of offering a full professorship in the Department of Chemistry to Gerhart Friedlander to work in the Nuclear Chemistry Division of the Rad Lab.

Thursday, August 8, 1958

At 9 a.m. Iz Perlman and I in our Rad Lab office continued our conversation of last night. In addition to Perlman himself and Luis Alvarez, he suggested the possibility of Francis Turner of Geology and Kenneth M. Watson of Physics serving on the committee to study Struve's proposal for a space sciences program. He also reminded me that Struve would like the participation of someone from the Lick Observatory.

I went to Clark Kerr's home in El Cerrito (8300 Buckingham Drive) around 10 a.m. to discuss a number of matters with him without interruption. We talked about the percentage of time and salaries of vice chancellors (approximately half-time with a few thousand dollars additional compensation for the added responsibility) and of faculty assistants (also approximately half-time with 11-month appointments rather than the standard nine). Clark agreed that Vic Schmidt might be a good man for Gene Lee's replacement. I suggested that he (Kerr) run the Institute for Basic Research in Sciences; Kerr will defer decision on that.

He also had a discussion with Jim Hart about the vice chancellorship. Hart wants authority to approve non-tenure appointments, to sit in on all major discussions with deans and, above all, to be the only vice chancellor. Kerr indicated that "one and only" vice chancellor was impossible.

We also talked about the recommendation of a vice chancellor for financial affairs. Since Cresap, Padgett and McCormick (the management consulting firm which is studying the University structure) will make that recommendation, I will keep Bob Kerley and Joe Hutchison in their current spots. We also agreed to a raise for Kitty Malloy.

I mentioned to Kerr my investigation of the College of Engineering's problems and the suggestion of appointing a faculty assistant from Engineering. We talked about the suggestions already made as well as the possibility of Alan Searcy. Clark said that he feels the most critical issue is the need to have

Dean O'Brien check his appointments of division chairmen with me. Clark also told me about a meeting he had on reorganization of Engineering. Present were Harry Wellman, Ed Strong, Morrie Stewart and Mike O'Brien. He has not yet received their formal recommendation. However, on the whole, he felt that this situation pointed out the more general need to pay a great deal of attention to the appointments of department chairmen. At the present time, this is accomplished by a vote. However, the Council of Chief Campus Officers (CCCO) plans to discuss the option of having rotating chairmen.

Kerr has received a copy of Wallace Sterling's Preamble to the Articles of Association of the AAWU. He favors adoption of them as well as going along with Stanford's desire to compromise on the 1960 Rose Bowl game. Clark also told me that he saw Bud Hastings yesterday and Hastings agreed to let Greg Engelhard run athletics--except for required supervision on such things as cost and income.

On my way back to the Rad Lab I ran into Dan Wilkes and mentioned that I will be seeking his help more in the future. I also agreed to serve as a reference for John Osmundsen who wants a job with the New York Times.

Wally Reynolds called me at my Lab office at about noon to let me know that Ernest Lawrence has agreed to my Rad Lab stipend (presumably $3,000). However, he also informed me that all payments of University administrative stipends must be approved by the AEC.

I ate lunch with my staff in my office at the Rad Lab. I signed a great many letters responding to letters of congratulation on my appointment as Chancellor, which Eileen Carson had prepared in my absence. I also dictated a letter to Robert de Roos agreeing to collaborate as time allows on a "most unforgettable character I ever met" article on Gilbert N. Lewis for the Reader's Digest. Before going down to the Chancellor's office, I spoke briefly with Iz Perlman, Frank Asaro and Earl Hyde about what has been going on at the Rad Lab during my absence.

In my campus office in Dwinelle Hall, I went through a great deal of accumulated correspondence. I wrote to Evan O. Kane regarding his proposal for a United Nations University and to Charles M. Hulten recommending Robley Williams as my replacement on the Television Committee.

I also read through a large stack of memoranda from Jack Oswald (Kerr's faculty assistant) briefing me on the following subjects: East-West Exchange (exchange of students with the USSR), directorship of Cowell Hospital (progress in selection of someone to replace the late Dr. William G. Donald), Environmental Physiology Laboratory (reports of subcommittees on desirability of establishing one), Regulation 17 (regarding use of University facilities by students and faculty), Bureau of Occupations (results of search for director and study of functions, including recommendation of change of name to reflect placement activities), Marine Biology (proposal for establishment of a marine biology station at Bodega Bay) and Computer Center (proposed installation of IBM 704 computer and arrangements to share facilities with the Rad Lab).

During the rest of the afternoon, I had appointments to talk with my office staff, Anna Carol Dudley and Kitty Malloy, and with Gene Lee, Bill Shepard, Bob Kerley, Joe Hutchison and Dorothy Powell.

I met with Ed Strong and offered him one of two equal vice chancellorships, explaining that it would be for a three-year term with an obligation to devote at least half-time to the vice chancellor duties (for which he would receive an extra stipend). I also indicated that he would be required to give up the chairmanship of the Philosophy Department. He said he will let me know soon.

At my conference with Jim Hart I offered him the other vice chancellorship under the same conditions. He was surprised that he isn't going to be the one and only vice chancellor. He said that he was very disappointed and that Clark Kerr had never given him an inkling of the proposed new arrangement. I explained that the two jobs are equal with the duties yet to be divided and that I would decide who is in charge when I am out of town. He expressed his desire to be in charge of the Humanities Library and to sit in on all meetings with deans. Jim does not like the term appointment feature and does not know if he will accept my offer.

I also interviewed a number of candidates for Gene Lee's replacement as budget officer of the Berkeley campus: Hilary Fry, William Zion, Errol Mauchlan and Kirk Rowlands. Ray Bressler (Chairman of the Budget Committee of the Academic Senate) sat in on all of these conversations and Gene Lee joined us for the interviews with Fry and Mauchlan.

There is a lot of interest in the press regarding the meeting in Portland tomorrow to dissolve the Pacific Coast Conference. An article in the Daily Cal by Al Moss gave the following evaluation of the work of my friend, Vic Schmidt, as PCC Commissioner:

> "...with pressure from all sides and a great disregard for what little authority was delegated him, it would have taken a combination of Solomon, Job and Abraham Lincoln to do a good job. Schmidt fell about three names short."

I drove to the San Francisco Airport in Greg Engelhard's car and caught United Airlines Flight #677 to Portland, departing at 7:10 p.m. and arriving in Portland at 8:32 p.m.

At 9:15 p.m. Dean St. Dennis (an Associated Press reporter) interviewed me about the break-up of the PCC and the formation of a new athletic conference. I tried to avoid the implication that Stanford would join the new conference.

Saturday, August 9, 1958 - Portland

The newspapers are full of the news of the dissolution of the Pacific Coast Conference in Portland today with particular attention being paid to the possibility of difficulties in negotiating the disposition of the Rose Bowl contract.

The meeting of the Pacific Coast Conference faculty athletic representatives and athletic directors began at 9 a.m. at the Benson Hotel. Representatives from member institutions present were Greg Engelhard, Paul Hastings and I (UCB); Brad Booth and Wilbur Johns (UCLA); Ernest Wohletz and Robert S. Gibb (University of Idaho); Orlando Hollis and Leo A. Harris (University of Oregon); Glenn W. Holcomb and R. S. Keene (Oregon State College); Hugh C. Willett and Jesse T. Hill (University of Southern California); Rixford K. Snyder and Charles Taylor (Stanford University); Donald H. Wollett, George

Stanford to urge disbandment of PCC

DAILY CALIFORNIAN
August 8, 1958

By AL MOSS

California and the Southern schools, UCLA and USC, aren't going to be alone in the independent picture when the Pacific Coast Conference breaks up.

And that breakup appears to be a definite "when" and no longer an "if" at all.

The latest word in PCC circles is that Stanford, while not about to withdraw from the loop, will urge at a meeting this month that the PCC be disbanded. And if the motion comes to a vote, it is certain that the Indians will have Cal, UCLA and USC behind them; Washington is almost as certain to go that way; and Oregon and Oregon State have indicated they will stay or go together and have further indicated that they will follow Stanford.

That leaves Washington State and Idaho as opposition and they could just as easily agree and no matter how you slice it, that spells finis for what used to be one of the most powerful conferences in the nation.

Stanford had a good idea at a good time, for Cal as well as for itself. The Bears, and UCLA and USC, have already announced that they are pulling out of the league. Even if the Big Three—any or all of them—changed their minds, it is just about too late to save the PCC for them.

Stanford, on the other hand, has stated flatly that it is not going to leave the conference, no matter what may happen. It is possible that Farm officials could change their minds, but it is not likely, at least as things stand now.

But here's the gimmick. If there were no conference to leave, Stanford would be clear; Cal, UCLA and USC would not be considered quite so much as traitors or outcasts, as they undoubtedly are now in some quarters; and everybody—except possibly Washington State and Idaho—would be happy.

How would Cal benefit from dissolution of the PCC? For one thing, the Rose Bowl contract, with several years yet to run, is with the Pacific Coast Conference, not with the member schools. Even if every school but, say, Idaho were to withdraw, the contract would be with the league, i.e., Idaho. And don't think that the Vandals wouldn't live up to their name when requiring a juicy cash settlement to give up that plum.

If the loop disbands, a new contract is made with the "independents" and things remain, in effect, the same.

There is another consideration, spelled M-O-N-E-Y.

The PCC has quite a hunk of treasury at the moment, what with recent fines—Cal was socked $25,000 and that was a light tap—and other accumulated loot. Any school that withdraws gives up its share of that bankroll, as well as its slice of the melon in future Rose Bowl games. If the league breaks up by mutual consent, the ex-members split the cash and, again, everybody's happy.

What brought about the breakup of the Pacific Coast Conference, no matter how it might fall?

That's a tough one to answer. Henry "Red" Sanders, whose UCLA grid powerhouses have been the dominant team in the PCC in the last 10 to 15 years, recently bemoaned the collapse of the league, even though the recruiting practices of the Bruins, and the ultimate penalties against them, were one of the reasons for that collapse.

"The Pacific Coast Conference could have been the best in the country," said Sanders, speaking at that moment from a football point of view. "This was as good a league as the Big Ten. Idaho last year could have beaten two or three teams in the Big Ten. It's a shame the league had to break up."

Part of the blame must fall on Victor O. Schmidt, the PCC commissioner. Schmidt was let out recently, another sign that the league is dying or dead, and before and after he went, there was a great deal of criticism leveled at him.

Much of it was unfair. There are few, if any, who doubt Vic Schmidt's moral fibre or ethical standards. There is little question that he ran the conference as he thought best. Unfortunately for Schmidt and the PCC, it was not good enough.

No matter how able Schmidt was, he was not the strong leader that the PCC needed in a crisis, and if the mess in the past year or two was not a crisis, it will do until one comes along. With pressure from all sides and a great disregard for what little authority was delegated him, it would have taken a combination of Solomon, Job and Abraham Lincoln to do a good job. Schmidt fell about three names short.

Another reason for the breakup was unquestionably internal strife. It is news to no one that the academic standards for the schools within the PCC differ tremendously. Cal's standards are tremendously high, and Clark Kerr, former Berkeley chancellor and now president of the University, has often stated that Cal should maintain those on the athletic field, and should, in fact, play only schools with equal, or nearly equal, academic policy and rating.

This would limit the Bears' football schedule each year to Harvard, Yale, and possibly one of two other large schools, but that is beside the point right now. Stanford's standards are also high. UCLA's requirements are the same as Cal's, but the feeling toward athletics has been somewhat different in Westwood, favoring a more "wide-open" type of program.

USC and the Northern schools, on the other hand, welcome with open arms athletes that would have to spend 20 years in junior college to get into either (or any) branch of this University.

As a result, there has not been, and is not about to be, agreement on a code of conduct for and towards athletes—what kind of scholastic standing they should have, how much they're going to get in "financial aid," and so forth.

The result of all these problems and pressures has been the destruction of the Pacific Coast Conference. Right now there's still a little life left in the old boy, but darned little.

Stanford favors a mercy killing and a decent burial. And if they can swing it, they'll bury a lot of Cal's woes with the corpse.

Briggs and J. Gordon Gose (University of Washington); and Emmett B. Moore and Stan Bates (State College of Washington). Also present were Acting Commissioner Bernard A. Hammerbeck and Director of Radio and Television W. J. Parry, Jr.

A few minutes after the meeting began, Rixford Snyder made a motion for the dissolution of the conference effective July 1, 1959, which was seconded by Moore and carried unanimously. Wollett then made a motion for the distribution of PCC assets (5% to Idaho and 11.87% to the other eight schools). That motion was seconded by Holcomb and carried with an 8-1 vote (only Idaho opposed). We discussed the Rose Bowl situation. It was decided to hold the Rose Bowl in 1960 with all nine schools participating. The meeting adjourned at 12:15 p.m.

At noon I held a brief press conference in my role as press spokesman for the conference. Apart from briefing the press on the morning's activities, I answered a number of questions. I tried to avoid dealing directly with the question of what sort of new athletic association has been proposed, stating only that I believe it will be similar to the Ivy League and based upon "a gentleman's agreement". When asked if any tears were shed because of the dissolution of the 43-year conference, I answered "I didn't see any, but I am sure that there was some feeling."

At 1:30 p.m. I called Clark Kerr in El Cerrito to report the results of the day's meetings. I also mentioned to him the problem with Booth, Wollett and Willett regarding the Stanford preamble. I described yesterday's interviews to him, discussing in detail those with Strong and Hart. He will see Strong to determine if his appointment might be announced at the August Regents Meeting (at which time we would also like to announce Alex Sherriffs' appointment as Vice Chancellor for Student Affairs). After Kerr talks with Strong, he will let me know so that I can phone Hart for his answer. Kerr also told me that he does not believe that Hart should be in charge of the Humanities Library because this might cause a conflict with Lincoln Constance.

The faculty athletic representatives again met with the athletic directors from 2 p.m. until 3:25 p.m. to formulate a football and basketball officiation program, to be effective after June 30, 1959.

From 3:30 until 5 p.m. the faculty athletic representatives and athletic directors of Cal, USC, UCLA, Washington and Stanford (the "Big Five") met to talk about the formation of a new intercollegiate athletic association.Snyder and I said that Sterling's objections to the main text (attached on July 7th) were 1) the unanimity clause (Article II), and 2) his desire for 26 rather that 24 units to be earned between seasons of competition as a condition of eligibility (Article IIIc). I presented the Sterling preamble proposal, as follows:

> "WHEREAS the University of California at Berkeley, the University of California at Los Angeles, the University of Southern California and the University of Washington have given notice of withdrawal from the Pacific Coast Conference effective July 1, 1959, and whereas they wish to join together in a new association after that date,
>
> NOW THEREFORE they have agreed to formulate tentatively a preamble and articles which embody their current judgments of the terms and conditions on which such a new association might be established.

PREAMBLE

Organized intercollegiate athletics constitute an important activiety in collegiate undergraduate life and experience. If the constructive character of this activity is to be maximized, it is essential that the student-athletes who participate in it shall be genuinely representative of the student body to which they belong. Such representation requires (1) that these student-athletes shall fulfill academic requirements as to admission and performance as adequately as other students are required to do; (2) that no disproportionate share of institutional financial aid shall go to student athletes by virtue of their being athletes; (3) that the institution in which they are enrolled shall accept and discharge the responsibilities set forth in (1) and (2) above, and the additional responsibility of maintaining such curricular standards as to ensure substantive collegiate-level content in every course offered.

It is with agreement on these concepts and standards that the following articles are set forth."

It was not accepted, but fixed by making some modifications. Some minor changes were made to the language of the first paragraph and the second, third and fourth paragraphs were changed to read as follows:

"NOW THEREFORE the signatories agree that effective July 1, 1959, they shall constitute a new organization and each subscribes to the following articles which embody their current judgments of the terms and conditions on which such a new association is now established. These signatories may be joined by such other institutions as may be unanimously agreed upon.

PREAMBLE

Organized intercollegiate athletics constitute an important activity in collegiate undergraduate life and experience. If the constructive character of this activity is to be maximized, it is essential that the student-athletes who participate in it shall be genuinely representative of the student body to which they belong. Such representation requires (1) that these student-athletes shall fulfill academic requirements as to admission and performance as adequately as other students are required to do; (2) that the institution in which they are enrolled shall accept and discharge the responsibilities set forth above, and the additional responsibility of maintaining such curricular standards as to ensure substantive collegiate-level content in every course offered.

It is with agreement on these concepts and standards that the following articles are set forth."

The group of four would not accept the term "tentative" and could not understand the use of the term "disproportionate" or the intended meaning of "institutional financial aid". We agreed to sign on August 23rd.

I saw Snyder at the airport and asked him to ask Sterling if he (Snyder) and Chuck Taylor would come to the August 23rd signing and if they might have a press statement from Sterling. (Booth also wanted to know if Ray Allen had seen the Sterling write-up).

I flew to San Francisco on United Airlines Flight #780 which left at 5:30 p.m. and arrived at 9:28 p.m. The Berkeley and Stanford contingents were on board. I spent the night at my Lafayette home.

Sunday, August 10, 1958- Balboa

Betty New picked up my family in Balboa this morning and drove Helen and herself and all eight kids (three News and five Seaborgs) to Marineland for the day in her station wagon.

When I arrived at the Los Angeles airport and picked up our car, I also drove to Marineland in Palos Verdes to join them. We all enjoyed our time at this big marine amusement park.

Later in the evening I learned that Ernest Lawrence has returned from the Geneva conference with acute colitis. He is hospitalized at Peralta Hospital in Oakland.

Monday, August 11, 1958- Balboa

I enjoyed a relaxing day at the beach with the family--probably my last chance to do so this vacation.

Unfortunately, I found in the AP story covering my interview that I am misquoted as saying that Stanford will join our new athletic association.

Tuesday, August 12, 1958 - Balboa

Surprisingly, I did have another chance to play with the children on the beach this morning.

After lunch I worked a little on responses to letters of congratulation and reviewed some material for this week's Regents Meeting at UCLA. At approximately 1:40 p.m. Clark Kerr called me from the Berkeley campus. He has talked with Strong, who is delighted to accept the vice chancellorship; his appointment will be presented to the Regents for approval this Friday, August 15th.

I explained the adoption of the modified Sterling preamble to the Articles of Association of the Athletic Association of Western Universities by the four participating schools and some of the difficulties associated with it. One of the problems was that Snyder was essentially uninformed about the intent of the original language that was modified and Sterling is unavailable (being away on vacation). Also, all of the faculty athletic representatives need to check back with their administrations about this matter. Clark and I will meet with UCLA Chancellor Ray Allen tomorrow and discuss the possibility of further modification. Clark told me that Ed Schoenfeld of the Oakland Tribune says that Stanford has implied that we did not keep our word.

At 2 p.m. Doral Buchholz called me from my Rad Lab office. I suggested some further replies to letters of congratulation and declined a speech invitation. Doral relayed a message from Harvey White in New York. Harvey is

BERKELEY GAZETTE

August 9, 1958

PCC Breakup Scheduled This Weekend —Seaborg

New Conference Seen Within A Year

PORTLAND, Ore., Aug. 9 (AP) —The Pacific Coast Conference will be dissolved here this weekend, says Glenn T. Seaborg, chancellor of the University of California.

What will that mean?

For one thing, said Seaborg, a new athletic alliance will be formed—one that is smaller, patterned after the Ivy League and based upon a gentlemen's agreement.

CLOSED MEETING

The meeting to put the 43-year-old conference quietly to sleep began today. The meeting, as usual, was closed to the public and press.

Five of the nine Pacific Coast Conference members will form a new conference within a year, Seaborg said. Those schools, he said, are California, UCLA, Southern California, Washington and Stanford.

"Oregon State certainly has not been involved in our considerations," Seaborg added.

Nor, he said, are Oregon, Washington State or Idaho being considered.

The new conference, he said, will be one based upon "mutual trust and individual institutional responsibility. It will be like the Ivy League, without strong policing methods but based on a gentlemen's agreement."

OWN POLICE

Seaborg said the schools will police themselves. "For instance, if California thought Stanford was doing something wrong, then we wouldn't play Stanford again."

Such an alliance, he said, will be in existence by next Summer, and he added: "I think it will work."

Seaborg said the basic reasons for the breakup have been growing for many years.

For a long time, he said, the conference's schools all had comparable entrance requirements and scholastic standards for athletes and were of about the same size.

GROWN UP

However, Seaborg said the California schools and the University of Washington now are not only larger but have significantly higher academic standards.

The California members, he said, find themselves at a disadvantage in recruiting.

But the biggest reason for the change, he said, is to band together schools with similar academic standards and entrance requirements.

Penalties against several California schools for illegal aid to athletes are not a factor in the breakup, Seaborg said.

"We could have survived if the other things weren't there," he said.

In Lexington, Ky., Friday night, Stanford football coach Jack Curtice said he thought the small stadiums of several northern members had prompted the breakup.

NO ROUND-ROBIN

"Money hasn't been in my thinking," said Seaborg, but he added that the California members disliked round-robin schedules.

Seaborg said the new alliance will not be filled with extravagant aid to athletes.

The PCC had some advantages, said Seaborg. One of them was that it had nine schools.

Emmett Moore of Washington State, which will be one of the PCC orphans, said "I suspect that the conference will be disbanded. One or two negative votes don't mean anything.

"I had hoped right to the very deadline that the conference would continue," he said.

Neither Seaborg nor Moore would comment on what will happen to about $200,000 in the PCC treasury, or whether the new alliance will pick up the pot of gold the Rose Bowl represents.

Both questions, however, will be discussed at the meeting which will end Sunday.

SAN FRANCISCO EXAMINER

August 9, 1958

Officials Meet for PCC Wake

PORTLAND (Ore.), Aug. 8. — (UPI) — Grim faced men from the faculties of the biggest colleges on the coast checked into the Multnomah Hotel here today for a meeting that was expected to spell the end of the Pacific Coast Conference.

Two big question marks hung over the PCC as its faculty representatives gathered for a two day meeting that opens tomorrow morning. One was, which representative from which school would shoulder the responsibility of actually submitting a resolution for dissolution of the 34 year old conference? The other: what kind of an association will be formed to take the place of the conference that seemed unable to weld together its dissident North-South elements?

Coaches were generally agreed that the member schools could not satisfy their athletic aims nor their fans as independents. There was talk of a Big Five with Cal, USC, UCLA, Washington and Stanford, or a Big Six, possible, with Oregon State added.

The California schools, which sparked the dissolution movement, have long contended they were too big to be bothered with some of the smaller schools in the North, or with their tiny stadiums that held down the take at the gate.

Still another unresolved question was the Rose Bowl, the profitable corollary of the PCC.

Meetings of the faculty representatives are traditionally conducted behind closed doors with news briefings twice daily. Not until the first of these was held tomorrow would the answers to the Coast's biggest sports questions begin to take shape.

Seaborg Views

Dr. Glenn T. Seaborg, University of California faculty representative, said that as far as he knew the PCC meeting in Portland would be held "solely for the purpose of amicable dissolution."

Contacted just before departure and told that dissolution was "a cinch," Doctor Seaborg responded, "I hope so."

Asked if California had any proposals as to the future, he declared, "None along the

CAL PREXY SEES END OF PCC TODAY

Seaborg Visions New 5-School Loop Patterned After Ivy League

PORTLAND, Or., Aug. 9 (AP)—The Pacific Coast Conference will be dissolved here this week end, says Glenn T. Seaborg, chancellor of the University of California.

What will that mean?

For one thing, said Seaborg, a new athletic alliance will be formed — one that is smaller, patterned after the Ivy League and based upon a gentlemen's agreement.

"I think the conference will be disbanded," said Seaborg. "The intentions of all the faculty representatives are to dissolve it."

Closed to Public

The meeting to put the 43-year-old conference quietly to sleep began today. The meeting, as usual, was closed to the public and press.

Five of the nine Pacific Coast Conference members will form a new conference within a year, Seaborg said. Those schools, he said, are California, UCLA, Southern California, Washington and Stanford.

"Oregon State certainly has not been involved in our considerations," Seaborg added. Nor, he said, are Oregon, Washington State or Idaho being considered.

Like Ivy League

The new conference, he said, will be one based upon "mutual trust and individual institutional responsibility. It will be like the Ivy League, without strong policing methods but based on a gentlemen's agreement."

Seaborg said the schools will police themselves. "For instance, if California thought Stanford was doing something wrong, then we wouldn't play Stanford again."

Such an alliance, he said, will be in existence by next summer, and he added: "I think it will work."

Seaborg said the basic reasons for the breakup have been growing for many years.

For a long time, he said, the conference's schools all had comparable entrance requirements and scholastic standards for athletes and were of about the same size.

However, Seaborg said, the California schools and the University of Washington now not only are larger but have significantly higher academic standards.

The California members, he said, find themselves at a disadvantage in recruiting. But the biggest reason for the change, he said, is to band together schools with similar academic standards and entrance requirements.

Penalties Not Factor

Penalties against several California schools for illegal aid to athletes are not a factor in the breakup, Seaborg said.

"We could have survived if the other things weren't there," he said.

Seaborg said the new alliance will not be filled with extravagant aid to athletes.

Emmett Moore of Washington State, which will be one of the PCC orphans, said, "I suspect that the conference will be disbanded. One or two negative votes don't mean anything.

"I had hoped right to the very deadline that the conference would continue," he said.

Bowl in Question

Neither Seaborg nor Moore would comment on what will happen to about $200,000 in the PCC treasury, or whether the new alliance will pick up the pot of gold the Rose Bowl represents.

Both questions, however, will be discussed at the meeting—which will end tomorrow.

PORTLAND JOURNAL
August 10, 1958

Conference Death Blow Unanimous

By Hal Laman
Journal Executive Sports Editor

The Pacific Coast conference did as was expected Saturday.

Conference officials voted unanimously to dissolve with the resolution introduced by Stanford and seconded by Washington State college Saturday morning at the Benson hotel.

GLENN T. Seaborg, chancellor of the University of California, was spokesman for the conference.

Stanford's resolution read this way:

"That the Pacific Coast Intercollegiate athletic conference formally and finally be dissolved as of June 30, 1959, and that the conference at this present meeting and at the regular winter 1958 and spring 1959 meeting proceed to the consideration and settlement of any and all conference responsibilities and obligation."

THE JUNE 30, date corresponds with the date set previously by four "rebel" schools, California, UCLA, Southern California and Washington for withdrawing from the conference.

The conference passed a second resolution making arrangements for distributing the conference assets. It was introduced by Washington, seconded by Oregon State and passed 8-1 with Idaho desenting.

THE RESOLUTION read:

"That the conference assets remaining after 11 conference obligations accruing prior to June 30, 1959, have been met shall be distributed to the nine conference members on the basis of the existing conference formula, to wit: five percent to Idaho and 11.875 percent to each of the other eight members."

The assets are figured to slightly less than $200,000.

SEABORG said there was discussion of forming a new conference or reorganization.

The special meeting is scheduled to continue through Sunday.

Cal Sparks Drive for New Sports Loop

OAKLAND TRIBUNE
August 10, 1958

By ED SCHOENFELD

PORTLAND, Ore., Aug. 9—University of California at Berkeley will within the next two weeks call for formation of a new Pacific Coast Intercollegiate Athletic Association.

And UCLA, USC and University of Washington will answer the call.

Stanford? That still remains questionable.

The new association will start operations July 1, 1959—one day after the 43-year-old Pacific Coast conference officially is dissolved.

Officials of USC, UCLA, and Washington are leaving the leadership of formation of the new league up to Dr. Glenn T. Seaborg, newly appointed chancellor of the Berkeley institution.

California's key role was learned for the first time here today after PCC officials in just three minutes voted 9-0 to adopt Stanford's resolution the conference disband.

One of the officials, Prof. Don Wollett of Washington, is anxious to form the new association without delay.

Asked when he hoped the new alignment of the coast's major universities would be completed, the Washington professor declared: "this afternoon would suit me just fine."

Prof. Rixford B. Snyder, Stanford's faculty athletic representative to the PCC and the conference president, refused to shed any light on the Palo Alto institution's plans. In fact Snyder would not talk to newsmen.

Charles A. (Chuck) Taylor, Stanford's assistant athletic director, would talk. He said Stanford has not yet reached a decision. "We don't know what we'll do," Taylor said "Stanford tends to move slowly in matters of this nature."

The Stanford director was asked about his attendance as an observer at three exploratory meetings held so far by California, UCLA, USC and Washington.

"We're in no hurry to jump into anything," he stated. "I would like to see a few things about the new association spelled out for us."

Stanford's decision to join the new grouping is up to J. Wallace Sterling, its president. He has the authority to deal the Indians "in" this month despite the fact another board of trustees meeting is not slated until the third week in September.

Football scheduling between the "Big Five" presents no problem. They are already slated to play each other up to and including 1964.

Stanford and Washington have scheduled the four, plus Oregon, Oregon State and Washington State through 1964.

Oregon, Oregon State, Washington State and Idaho have games on the docket through 1964, but as yet no plans for any new alignment in the Northwest.

In fact, the four institutions haven't even discussed such a possibility.

It appears as if they will remain as athletic independents with some, particularly Oregon State, hopeful they will eventually be asked in the league with California, UCLA, USC, Washington and Stanford.

Dean Orlando Hollis, for the past 18 years Oregon's faculty representative to the PCC, says he does not envision formation of any new Northwest league. Hollis believes there are too few schools to make up a circuit and no possibilities for others to join them.

Aside from giving the PCC the distinction of being the first major intercollegiate conference in modern times to dissolve, representatives of the nine member schools decided on the division of the $175,000 in the conference strongbox.

It proved by an 8-1 vote, with Idaho the dissenter because it will get the smallest share of the money.

The adopted resolution, offer by Washington, gives all member institutions except Idaho 11.875 per cent of the money. Idaho will receive 5 per cent. cent.

Ironically, the decision to kill off the PCC came in the city of its birthplace. And right next door to the building where it was formed Dec. 2, 1915, by California, Washington, Oregon and Oregon State.

Dr. Seaborg, spokesman for the PCC at this meeting, reported there was no debate when Stanford offered this PCC-killing resolution:

The PCC be formally and finally dissolved as of June 30, 1959, and that the conference at this meeting and at the regular winter 1958 and spring 1958 meetings proceed to consideration and settlement of any and all conference responsibilities and obligations.

Washington State seconded the resolution. Voting began at 9:27 a.m. by 9:30 a.m. the PCC was a goner.

No tears were shed, Seaborg reported.

"There probably was some feeling," he remarked, "but nothing visible."

LOS ANGELES EXAMINER, August 10, 1958

It's Official: PCC Votes to Dissolve

9 Schools to Share $175,000 in Treasury

PORTLAND, Ore., Aug. 9 (AP)—The Pacific Coast Conference was put quietly and quickly to death today.

Faculty representatives of the nine member schools voted unanimously to dissolve the 43-year-old conference effective June 30, 1959. And they arranged to distribute the $175,000 which is expected to be on hand in the treasury next June.

The meeting, scheduled for two days, adjourned after a brief afternoon session in which plans for participation in the Rose Bowl were discussed.

Chancellor Glenn Seaborg of the University of California, who acted as conference spokesman at a meeting with the press, said the group had reached agreement on a plan for participation in the traditional New Year's Day game at Pasadena in 1960.

He said the plan will be presented to other parties of the contract—the Tournament of Roses Association, the National Broadcasting Company and the Big Ten.

Seaborg said he could not disclose the plan until it had first been presented to the other parties.

The only other matter taken up at the afternoon meeting was a plan to maintain an organized staff of officials to referee athletic contests for members of the now-dead PCC. Seaborg declined to discuss details.

Seaborg said there was no talk of formation of a new conference among members of the old group. Last night, however, he had told the Associated Press a new athletic alliance definitely will be formed.

He said the group would be smaller, patterned after the Ivy League and based upon a "gentlemen's agreement." Seaborg said the new group will be formed within a year and will include California, UCLA, Southern California, Washington and Stanford.

The faculty representatives, accompanied by the schools' athletic directors, wasted no time in delivering the final blow to the conference. Stanford representative Rixford Snyder introduced the dissolution motion 25 minutes after the morning session started. It was seconded by Emmett Moore of Washington State College and passed unanimously "with no discussion," Seaborg said.

But it was not until noon that the tall, sun-tanned Nobel Prize winner in chemistry told the press with a half smile, "I have a minor resolution to read."

The resolution to distribute the assets—according to the existing conference formula of 5 per cent to Idaho and 11.87 per cent to each of the other eight conference members—was introduced by the University of Washington and seconded by Oregon State. It was passed, 8-1, with only Idaho voting "no."

Bernard Hammerbeck, acting conference commissioner, estimated about $175,000 would remain in the treasury after the conference obligations have been met. The treasury has been increased in recent years by Rose Bowl receipts withheld from Washington and three California schools—California, Southern Cal, and UCLA—as penalties for violations of conference rules.

Asked if there were any tears shed as the dissolution motion was passed, Seaborg said, "I didn't see any, but I am sure there was some feeling."

Pacific Coast Conference Dissolved

BASEBALL
RACING

Los Angeles Times

EQUAL RIGHTS
LIBERTY UNDER THE LAW
TRUE INDUSTRIAL FREEDOM

VOL. LXXVII IN FIFTEEN PARTS ★★★ † SUNDAY MORNING, AUGUST 10, 1958

Pacific Coast Conference Dissolved

Members Vote to Divide $175,000 Cash in Treasury

PORTLAND, Or., Aug. 9 (AP) — Faculty representatives today dissolved the Pacific Coast Conference and made arrangements for distributing the $175,000 in the conference treasury.

Glenn T. Seaborg, chancellor of the University of California, who acted as spokesman for the conference at a meeting with the press, said the vote for dissolution of the 43-year-old nine-member conference was unanimous.

No Debate on Motion

Seaborg said the motion was made by Stanford and seconded by Washington State. He said there was no debate.

Then Washington made a motion for distribution of the conference assets. Oregon State seconded it. It called for all the money in the treasury to be distributed to the nine conference members on the basis of the existing conference formula —5% to Idaho and 11.87% to each of the other eight conference members. This motion carried, 8 to 1, with only Idaho opposed.

Only Two Items

Seaborg said there was no discussion of forming a new athletic organization at the morning session. The matter of dissolution and distribution were the two big items faced by this meeting and they both have been disposed of, he said.

However, he added that the Rose Bowl contract—formerly between the Pacific Coast Conference and the Big Ten—will be discussed further.

The resolution to break up the conference calls for its finish as of June 30, 1959. It also calls for the scheduled meetings of the winter of 1958 and the spring of 1959 to "proceed to the consideration and settlement of any and all conference responsibilities and obligations."

Some Feeling Expressed

Asked by reporters if any tears were shed because of the dissolution, Seaborg replied: "I didn't see any, but I am sure there was some feeling."

Reporters at the press conference had placed a black wreath on the press table. In the center was a card, edged in black, bearing the dates 1916-1958. The conference was born in Portland in 1916.

The conference treasury has been increased in recent years by funds withheld from Rose Bowl receipts as penalties assessed against three California schools and Washington.

SAN FRANCISCO EXAMINER, August 10, 1958

PCC 'Dies'; Vote Unanimous

Plan for Jan. 1st Fray Set

PORTLAND (Ore.), Aug. 9. — (AP) — The Pacific Coast Conference was quietly and quickly put to death today.

Faculty representatives of the nine member schools voted unanimously to dissolve the 43 year old conference effective June 30, 1959. And they arranged to distribute the $175,000 which is expected to be on hand in the treasury next June.

The meeting, scheduled for two days, adjourned after a brief afternoon session in which plans for participation in the Rose Bowl were discussed.

Chancellor Glenn Seaborg of the University of California, who acted as conference spokesman at a meeting with the press, said the group had reached agreement on a plan for participation in the traditional New Year's game at Pasadena, Calif., in 1960.

NO DETAILS.

Seaborg said the plan will be presented to other parties of the contract — the Tournament of Roses Association, the National Broadcasting Company and the Big Ten. He said he could not disclose the plan until it had first been presented to the other parties.

The only other matter taken up at the afternoon meeting was a plan to maintain an organized staff of officials to referee athletic contests for members of the now-dead PCC. Seaborg declined to discuss details.

The faculty representatives, accompanied by the schools' athletic directors, wasted no time in delivering the final blow to the conference.

STANFORD MOTION.

Stanford Representative Rixford Snyder introduced the dissolution motion 25 minutes after the morning session started. It was seconded by Emmett Moore of Washington State College and passed unanimously "with no discussion," Seaborg said.

But it was not until noon that the tall, sun tanned former chemistry professor told the press with a half smile, "I have a minor resolution to read."

The resolution to distribute the assets — according to the existing conference formula of 5 per cent to Idaho and 11.87 per cent to each of the other eight conference members — was introduced by the University of Washington and seconded by Oregon State. It was passed, 8-1, with only Idaho voting no.

ROSE BOWL GRAVY.

Bernard Hammerbeck, acting conference commissioner, estimated about $175,000 would remain in the treasury after the conference obligations have been met. The treasury has been increased in recent years by Rose Bowl receipts withheld from Washington and three California schools — California, Southern Cal, and UCLA — as penalties for violations of conference rules.

This would mean a PCC farewell present of $20,775 each plus a 50 cent tip. Idaho's share would be less.

Before the resolutions were read Seaborg, Hammerbeck, Moore and Athletic Director Leo Harris of Oregon — the conference press committee — joked with newsmen about a black wreath placed on the table at the press session.

NO TEARS.

Propped in the middle of the wreath was a black edged card which read "PCC—1916-1958."

Asked if there were any tears shed as the dissolution motion was passed, Seaborg said, "I didn't see any, but I am sure there was some feeling."

Harris, whose school has been omitted in talk of formation of a new league including California, UCLA, USC, Stanford and Washington, wore a pocket handkerchief in his suit reading "Why worry?"

SAN FRANCISCO CHRONICLE, August 11, 1958

Seaborg Predicts Five-Member Coast Conference

PORTLAND, Aug. 10 (AP)—The Pacific Coast Conference is dead—but not for long, say spokesmen for two of its powerful former members.

A new five-team conference will be formed within a year, said Glenn T. Seaborg, chancellor of the University of California.

And Dr. A. L. Strand, president of Oregon State College, says he wouldn't be surprised if all nine members band back together within a few years.

"I really think that when people realize what has happened it won't be long until a new organization is created," Strand said.

Faculty representatives yesterday voted unanimously to dissolve the 43-year-old conference—effective June 30, 1959.

They also agreed on a formula to split up $175,000 in the PCC treasury and a plan for participation in the Rose Bowl, the latter, though, was not disclosed.

Seaborg, who acted as spokesman for the burial detail, said the new alliance will be composed of California, UCLA, USC, Stanford and Washington.

There is no place in present considerations, he said, for the other members—Oregon State, Oregon, Washington State and Idaho. Seaborg said he felt bad only because the new conference would be smaller.

Strand, though, had regrets.

"Oregon State wants to belong to a conference," he said. "But I am sure some organization will take shape. I don't konw how soon, but it would embrace a good many of the former members."

Strand refused to say if he thought Oregon State would be embraced, or whether he thinks Oregon State now will be an athletic orphan. He commented only that: "We don't mind being an independent for a while. We think we will do all right."

The remaining treasury money will be split up on this formula: 5 per cent to Idaho, and 11.87 per cent to each of the other members.

Seaborg said the agreement reached on the Rose Bowl would not be disclosed until all interested parties are contacted.

The Tournament of Roses said, however, that it might be wary of entering into an agreement with the kind of athletic alliance Seaborg said will be formed. "We want to have a look at what these schools come up with. We want a good show on New Year's day and we may have no althernative other then to look to other fields. Or have no game at all," said Roses Committee Member Lathrop Leishman.

The conference will sp up next summer. But this fa it still will have a round-robin schedule and send a representative to the Rose Bowl next January 1.

LOS ANGELES EXAMINER

An American Paper for the American People
Publisher: Franklin S. Payne Editor: Warden Woolard
LOS ANGELES, MONDAY, AUGUST 11, 1958

P.C.C.—R.I.P.

DEMISE of the Pacific Coast Conference, announced over the weekend, was welcome and long awaited news to collegiate sports enthusiasts.

Especially pleased are the students, the alumni and the friends everywhere of the University of Southern California, University of California at Los Angeles, University of California at Berkeley and Stanford University.

This will put the big universities of California wholly into major collegiate competition, just as we have finally been able to get into major league baseball competition after many years of Examiner campaigning.

In submitting the resolution for dissolution of the PCC, Stanford took a step as inevitable as it was overdue.

Stanford's position, made delicate by alignment with smaller schools in the face of an unrealistic attitude of PCC faculty athletic representatives, grew untenable when USC, UCLA and UC withdrew from the conference.

By moving for the PCC's dissolution, Stanford saved face in refusing to renege on its decision against outright withdrawal while accomplishing the same end result by killing the whole organization.

No longer need mandatory round robin contests between California's four big universities and smaller schools create a situation comparable to that of the tail wagging the dog.

This was a situation The Examiner urged be corrected, along with other PCC shortcomings, as far back as July 12, 1956.

In an editorial at that time, The Examiner stated that a reform should be adopted "ending the association in the PCC with schools which are joyriders on the football bandwagon," and added:

"To be arbitrary and unrealistic about proper support for athletes, is bad enough. To maintain a league of which half the members are constant underdogs, is worse . . .

"If we are to get rid of the hypocrisy that surrounds financial aid to athletes, let's also get rid of the hypocrisy inherent in the notion that sportsmanship is promoted by easy victories.

"If this means the end of the existing PCC lineup, college athletics could ask for no better change."

The editorial spearheaded a movement of opposition to the unrealistic attitude of the PCC.

Within hours after its publication no less a personage than Governor Knight publicly seconded the motion.

The following day the Los Angeles City Council adopted a resolution urging USC and UCLA give "serious consideration" to withdrawing from the PCC.

We are happy that the faculty athletic representative of Stanford finally has agreed to this inescapable conclusion and we feel confident that the public generally will rejoice greatly as we do.

Los Angeles Times
Sports
MONDAY MORNING, AUGUST 11, 1958

Five-Team Alliance Might Replace PCC

PORTLAND, Or., Aug. 10 (AP)—The Pacific Coast Conference is dead—but not for long, say spokesmen for two of its powerful former members.

A new five-team conference will be formed within a year, said Glenn T. Seaborg, chancellor of the University of California.

And Dr. A. L. Strand, president of Oregon State College, says he wouldn't be surprised if all nine members band back together within a few years.

"I really think that when people realize what has happened it won't be long until a new organization is created," Strand said.

Faculty representatives yesterday voted unanimously to dissolve the 43-year-old conference—effective June 30, 1959.

They also agreed on a formula to split up $175,000 in the PCC treasury and a plan for participation in the Rose Bowl. The latter, though, was not disclosed.

Seaborg, who acted as spokesman for the burial detail, said the new alliance will be composed of California, UCLA, Southern California, Stanford and Washington.

There is no place in present considerations, he said, for the other members — Oregon State, Oregon, Washington State and Idaho.

Seaborg said he felt bad only because the new conference would be smaller.

Strand, though, had regrets.

"Oregon State wants to belong to a conference," he said. "But I am sure some organization will be developed. Eventually some new conference will take shape. I don't know how soon, but it would embrace a good many of the former members."

Strand refused to say if he thought Oregon State would be embraced, or whether he thinks Oregon State now will be an athletic orphan.

He commented only that: "We don't mind being an independent for a while. We think we will do all right."

No University of Oregon spokesman was available for comment.

The death of the conference occurred only a few hundred feet from the hotel where it was created here Dec. 2, 1915.

There was no apparent gloom among the representatives. They just folded the conference, held a brief press meeting, canceled the Sunday half of their meeting and left town.

It was very quick. But before they left they said that the remaining treasury money will be split up on this formula: 5% to Idaho and 11.87% to each of the other members.

That brought the only noticeable dissent of the meeting. Idaho cast the lone No vote, but it carried 8-1.

The Rose Bowl, however, was another question. Seaborg said the agreement reached on the Pasadena classic would not be disclosed until all interested parties are contacted.

Those who have a share of that New Year's Day pot of gold include the Tournament of Roses Association, the National Broadcasting Co. and the Big Ten.

The Tournament of Roses said, however, that it might by wary of entering into an agreement with the kind of new athletic alliance Seaborg said will be formed.

"We want to have a look at what these schools come up with. We want a good show on New Year's Day and we may have no alternative other than to look to other fields, or have no game at all," said Roses Committee Member Lathrop Leishman.

terribly anxious to get help from Ernest Lawrence and me in straightening out some confusion about NSF support for his "Continental Classroom" project. He wants me to speak to Jim Killian about this. I then talked to Anna Carol Dudley, declined a speech invitation from Roy Greenlee, postponed a speech invitation from Police Chief John D. Holstrum to speak before the Berkeley Rotary Club and discussed methods of keeping my log book. In my earlier call with my Rad Lab office, Eileen Carson told me that she will be prepared to show me page proof of the index of the Dutton Company book, Elements of the Universe, on Monday.

Jim Hart called at approximately 4:45 p.m. to discuss the vice chancellorship. I told him that Strong has accepted and that Strong's and Sheriffs' names will be presented to the Regents on Friday for approval. Hart would like to discuss various matters with Clark Kerr and me as soon as possible and is not comfortable with his name going to the Regents before that conversation. He told me that he saw Kerr last Wednesday and that Clark was favorable to all of his suggestions except that of calling the Vice Chancellor for Student Affairs "Deputy Chancellor". He asked me who would be in charge in my absence; I answered that I would decide each time, certainly he would take over during my September trip to Geneva. I told Hart that Strong would serve a three year term and he (Hart) would serve the last two years of his three year term, both with no possibility of reappointment. He was interested in who would be the other vice chancellor if not him; I told him that I did not have anyone in mind yet. Hart apparently leans toward returning to the English Department with some interest in a short stay in my office. I expressed my hope that his answer would be favorable and asked him to call me at UCLA at 1:30 p.m. on Thursday, just before the Regents Meeting. If he has not decided at that time, we will have to wait until the September Regents Meeting.

Wednesday, August 13, 1958- Balboa - Los Angeles

This morning a driver from UCLA picked me up and drove me to the Los Angeles campus to attend the Regents Meeting and various subcommittee and other meetings.

From noon until 2:30 p.m. I attended the meeting of the Council of Chief Campus Officers (CCCO) in the Regents' Dining Room of the UCLA Administration Building. Present were: Clark Kerr, Raymond Allen (UCLA), Stanley Freeborn (Davis), Harry Wellman (Vice President), Herman Spieth (Riverside), Elmer Noble (Santa Barbara), Roger Revelle (San Diego) and Eugene Lee (who acted as secretary). John Saunders (CCO of the San Francisco campus) will be invited to future meetings, which will be held on the Wednesday evenings before the Regents Meetings.

Otto Struve made a 20-minute presentation on the subject of his proposal for a radioastronomy program. His arguments regarding the need for a space sciences program appeared to be very favorably received.

There was also discussion of such issues as Paragraph 8, Section B of Rule 17 (prohibiting invitations to candidates for state office to speak on campus if, upon election, they would review or approve the University budget), the administrative assignment of graduate deans, a proposed regulation to specify the procedure for appointment and reappointment of deans, directors and chairmen of departments, and a proposed directive on the method of changing

grades. Regulation 17, Section 8-B, will be eliminated and it was decided that the appointment of graduate deans should be made by the statewide administration. Appointment of nonacademic research personnel should be local. Appointments of department chairmen should be for three to five years; extensions beyond five years should go to the local Budget Committee. Deans will serve five to seven years, longer only with the approval of the Budget Committee. However, there is an increased presumption of reappointment. The method of changing grades was left at the option of each campus. We also discussed Charter Day celebrations. (Because March 22, 1959 is a Sunday, it will be observed in Berkeley on Friday, March 20th, and the Regents Meeting will be advanced to March 12th and 13th. Selection of a speaker is a campus responsibility and Charter Day observance is optional except at Berkeley. The Commencement at Berkeley will be held on June 11th.)

After the meeting, at approximately 2:45 p.m., Clark Kerr and I met with Ray Allen to talk about the athletic association issues. We agreed that we would accept the changes in the Sterling preamble. I will check this with Willett and Wollett and inform Snyder. I also mentioned to Allen that I invited Snyder to attend the signing ceremony on August 23rd and that I also suggested that Wallace Sterling make a statement to the press about Stanford's intentions.

Clark and I then had a private conversation about his phone discussion with Jim Hart following my talk with Hart yesterday. I agreed to accept the presidency of the International House Board. Allen Blaisdell will quit as the head of International House but wants to continue as Foreign Student Advisor and Faculty Advisor. Clark also informed me that he would like to use the services of Dorothy Gardner Powell and temporarily agreed that Vic Schmidt might take over some of her work. I told Kerr that I would like to use Dan Wilkes to help me and he promised to look into Wilkes' status.

Thursday, August 14, 1958 - Los Angeles

At 7 a.m. I phoned Harvey White at NBC in New York. He told me that they need $700,000 for long telephone lines. Alvin Eurich of the Ford Foundation has approached U.S. Steel for the money and they are checking with Jim Killian. (The "Continental Classroom" project which White is working on will broadcast 162 lessons from 6:30 a.m. to 7 a.m. in each time zone and will give accreditation to listener participants.)

Immediately after talking with Harvey White, I called Eurich (whom I reached in Sherman, Connecticut) to discuss the matter and he suggested that I send a telegram to Jim Killian (which I did at 1:30 p.m. this afternoon).

Shortly before 10 a.m. I telephoned Don Wollett at the University of Washington and read him the addition to the Sterling preamble. He will let me know if it is not acceptable to his administration. I also mentioned that there may be some minor editorial changes to the text following the preamble.

From 10 a.m. until 12:30 p.m. I attended the budget hearing conducted by the Regents' Finance Committee. Kerr presented the proposed budget for the coming academic year for the Berkeley campus with some help from me; our budget was generally favorably received. Jim Hart called me at 1:30 p.m., as promised, and accepted the appointment as Vice Chancellor. I mentioned my idea of having regular "cabinet" meetings of the Chancellor's staff which he thought was an excellent idea.

Anna Carol Dudley called me at 1:45 p.m. and told me that photographers from the Oakland Tribune and other local newspapers will be coming to my office in Dwinelle Hall to take photographs of me beginning my new job on Monday at 8:30 a.m. I told her it was all right to set an appointment for a conference with Allen Blaisdell and agreed to record an interview on my speech "The Impact of Science on Your Future" for the "University Explorer". I told her to decline an invitation from Clifford L. Dochterman to speak to southern California alumni on the weekend of September 23rd.

At a few minutes before 2 p.m. Hugh Willett called back and agreed to the addition to the Sterling preamble.

From 2 p.m. until 5 p.m. I attended the meeting of the Building and Grounds Committee.

At 6:30 p.m. I went to the home of the Edward W. Carters (234 Muirfield Drive) for a dinner meeting of the Educational Policy Committee. Edwin Pauley suggested adding $500,000 for television to the 1959-60 budget. The meeting ended at about 10 p.m.

Friday, August 15, 1958 - Los Angeles

At this morning's meeting of the Regents' Finance Committee at UCLA (9:30 a.m. until noon) Bill Shepard was appointed Dean of Students effective July 1, 1959 (the retirement date of Hurford Stone). Also approved was a contingency fund for the purpose of entertainment for the Berkeley Chancellor in the amount of $6,000. I will need to discuss an accounting procedure for this fund with both my office staff and Helen.

Clark Kerr and I got together after lunch. He told me that it is all right to show material from the Regents Meetings to the Chancellor's Cabinet except for material from the executive sessions. Vice Chancellors may not attend Regents Meetings.

The executive session of the full Board of Regents met in the Administration Building on the UCLA campus at 2 p.m. At approximately 3 p.m., in executive session, they approved two additional vice chancellors for the Berkeley campus--Ed Strong is appointed for three years as Vice Chancellor and Alex Sherriffs is appointed for three years as Vice Chancellor for Student Affairs. Vice Chancellor James Hart will continue in his position. The press release issued today explained,

> "The new plan is designed to relieve the burden of administrative duties for both the Chancellor and his two aides so that all three may have a better opportunity to continue their academic duties in their several areas of scholarship".

It further states that the second new post, Vice Chancellor for Student Affairs, is established "following strong recommendations...to facilitate relations and communication among students, faculty and administration" (among other things).

After the Regents Meeting, at 3:20 p.m., I called Rixford Snyder at Stanford. He indicated to me that he has reported to Wallace Sterling 1) our effort at

Portland, 2) my request that Snyder attend the signing on August 23rd, and 3) my request that Sterling have a written statement for the press. Sterling is unfavorable to (2) and (3). I read Snyder the added sentence to the preamble.

I then described my telephone conversation with Snyder to Clark Kerr. Clark said that he may call Sterling himself. I gave him copy of the modified preamble suggested by Sterling. Regent Dorothy Chandler suggested that either Clark or I talk with Mrs. William Goodin (Norman Chandler's sister) who is on the Stanford Board of Trustees in an attempt to overcome Sterling's recalcitrance. Edwin Pauley, Donald McLaughlin and Ray Allen were also present during this conversation. It was suggested that we might also want to get in touch with David Packard of the Stanford Board.

After the meeting I drove with Saul Winstein to his home (201 Ashdale Place, Bel Air). Helen had earlier packed up the kids and all of the summer vacation paraphernalia in our station wagon and, after lunching with my mother in South Gate (9237 San Antonio Avenue), she met me at the Winsteins. We visited with Saul's wife, Sylvia, and their two children, Bruce (about 15 years old) and Carolee (about five years younger).

Leaving the Los Angeles area early in the evening, we drove over the Tehachapi Ridge and "The Grapevine", headed for home. However, Helen was not feeling too well so we stopped and checked into a motel for the night just short of Bakersfield. While Helen rested, I took the children out for dinner at a roadside restaurant.

Saturday, August 16, 1958- Home again

We spent the best part of the day today driving from our motel (near Bakersfield) back to our home in Lafayette.

At around 8 p.m. I received a call from Greg Engelhard who had just returned home from meetings in Chicago about athletic matters. He informed me of several discussions about forming a national athletic association and about the Big Ten and the Rose Bowl contract. Members of the Big Ten and the Rose Bowl Tournament want the Pacific Coast Conference to sign over the Rose Bowl Compact to the Athletic Association of Western Universities (AAWU). I said that this could not be done because Stanford would not go along as the fifth vote. I read him the addition to the Articles of Association and mentioned the suggestion of Wendell Stanley as faculty athletic representative. He agreed Stanley might be a good choice and also threw out Frank Kidner's name for consideration. Greg also told me that Wilbur Johns told him that he (Johns) thought that Tommy Prothro has or had the same deal going at Oregon State College as Red Sanders had at UCLA. I assume he mentioned this in connection with consideration of Prothro as replacement for Sanders (who died Thursday). It certainly would mitigate against it.

Sunday, August 17, 1958

I spent a good part of the day today reading correspondence which has been delivered to my home from both my campus and Lab offices. One letter of real interest to me was from George W. Watt (Professor of Chemistry, University of Texas at Austin) commenting on some of his concerns about the operations of the Welch Foundation. Among his criticisms were the manner in which W. O.

Milligan has handled proposed Welch professorships and of the policy of "research proposals by invitation only". The letter was informative (especially because I have only attended one meeting of the Welch Foundation Scientific Advisory Board (SAB) and am not yet well-acquainted with its problems). I made notes to my Lab staff to draft a letter telling him that I believe his complaints may be valid, that I will look into these matters at the next meeting of the SAB in November, and that I am a strong advocate of changing policy to bring in less "supermen" and recruit more young men.

Monday, August 18, 1958

This morning I officially began my duties as Chancellor of the Berkeley campus. I arrived at my Dwinelle Hall office at about 8:30 a.m. and met with my staff there. Photographers from various local newspapers took pictures of the event. (Clipping from today's Oakland Tribune attached.)

I dictated answers to several letters received during my absence including a letter from Paul Rosbaud proposing that we collaborate on writing the history of the discovery of plutonium. (I told him that this subject is essentially covered in my new book, The Transuranium Elements, based on the Yale Silliman lectures.) I also wrote to Manne Siegbahn, notifying him that I will not be visiting Stockholm next month and discussing the problem of the naming of Element 102, and to several people in Portugal supporting the extension of Vitor Crespo's grant for one more year of study here.

At 10:30 a.m. I learned the tragic news that my friend, Gordon E. Dean (former Chairman of the AEC and Chairman of the Board of the Nuclear Science and Engineering Corporation of which I am a member) was killed in an airplane accident last Friday. Mrs. Dean requested that I serve as a pallbearer at the funeral service in Washington on Wednesday. I sent a telegram regretting that I will not be able to do so and expressing my sorrow at the loss of my friend.

Beginning at noon I participated in the regular Monday luncheon meeting of the Chemistry group senior staff at the Rad Lab in my (actually now Perlman's) office. Before returning to campus, I conferred with Earl Hyde, Al Ghiorso and others in my Rad Lab office, catching up on what has been going on there during my vacation. I also talked with Sherman Fried of the Argonne National Laboratory about the possibility of his spending a year or so with us to work on cosmology.

Returning to the Chancellor's Office in the late afternoon, I placed a call to Clark Kerr at his home in El Cerrito. Kerr told me that he has spoken with Wallace Sterling and that Sterling is unhappy about the statement attributed to me in the Associated Press dispatch. Both Kerr and Sterling want to add the words "before July 1, 1959" to the preamble to the Articles of Association of the AAWU, as follows:

> "NOW THEREFORE the signatories agree that effective July 1, 1959, they shall constitute a new organization and each subscribes to the following articles which embody their current judgments of the terms and conditions on which such a new association is now established. Before July 1, 1959 these signatories may be joined by such other institutions as may be unanimously agreed upon.

OAKLAND TRIBUNE

August 18, 1958

Tribune photo

TAKE OVER—Dr. Glenn T. Seaborg (left), new chancellor of the University of California, talks with Dr. Alex Sheriffs, vice chancellor, as they begin new jobs.

PREAMBLE

Organized intercollegiate athletics constitute an important activity in collegiate undergraduate life and experience. If the constructive character of this activity is to be maximized, it is essential that the student-athletes who participate in it shall be genuinely representative of the student body to which they belong. Such representation requires (1) that these student-athletes shall fulfill academic requirements as to admission and performance as adequately as other students are required to do; (2) that the institution in which they are enrolled shall accept and discharge the responsibilities set forth above, and the additional responsibility of maintaining such curricular standards as to ensure substantive collegiate-level content in every course offered.

It is with agreement on these concepts and standards that the following articles are set forth."

I mentioned to Kerr that Greg Engelhard has suggested Frank Kidner as a possibility for faculty athletic representative. Clark also informed me that George Pettitt has resigned from the Berkeley City Council; I agreed that Hurford Stone might replace him.

I then called Greg Engelhard to tell him about the addition to the preamble. He will clear it with Wollett and Willett and send a corrected copy to Sterling immediately.

At 4:20 p.m. I called Will Dennes and suggested that Ken Pitzer or Carl Helmholz replace me on the Executive Committee of the Institute for Basic Research in Science. He will get back to me with his reaction or to suggest possible other candidates. He wants to remain as Chairman of the Executive Committee.

Tuesday, August 19, 1958

I went directly to my office in Dwinelle Hall this morning and began my day by dictating quite a bit of correspondence. I wrote first to Mrs. Gordon Dean with my heartfelt message of sympathy. I also sent back corrections to my Golden Book Encyclopedia article on uranium and declined an invitation from Stanley Kirschner to address the Wayne State Chapter of Sigma Xi Society in October. I formally appointed Robert E. Connick as Chairman of the Chemistry Department, effective September 15, 1958 to June 30, 1959.

Kenneth Jourd phoned me from Ann Arbor regarding the September 6th meeting of the National Educational Television Board in New York. I explained to him that I will not be able to attend as I plan to be in Geneva at that time.

At 11:30 a.m. Chris Henderson of the AEC called to ask if I would serve as Chairman of the C-10 Session ("Basic Chemistry in Nuclear Chemistry, Part II") at the Second International Conference on the Peaceful Uses of Atomic Energy in Geneva on September 5th. I agreed to do so.

At noon I had a luncheon meeting with the Chancellor's Cabinet. Present were Jim Hart, Gene Lee, Jack Oswald and Alex Sherriffs. We agreed to hold these "brown bag lunch" meetings every Tuesday at noon (even in my absence) to exchange information and coordinate activities in the Chancellor's Office. A single copy of the minutes of these meetings will be circulated. In the future Kitty Malloy will also be included, as we agreed that it is essential that she be aware of what is going on.

I gave a report on the results of the Council of Chief Campus Officers at UCLA on August 13th. We also decided that the Chancellor's Administrative Advisory Committee (CAAC-the deans) would meet October 1st and every four weeks thereafter and the Academic Advisory Committee (AAC) will first meet October 1st and every two weeks thereafter. I informed those present that I will replace Kerr on the Campus Planning Committee (CPC).

We had a discussion about the selection of faculty assistants. I remarked on the special need for assistance in the areas of biological sciences, social sciences and engineering. Several names were suggested including Alan Searcy (Ceramic Engineering), Varden Fuller (Agricultural Economics) and Milton Chernin (Social Welfare). We also talked about the need for a replacement for Dorothy Gardner Powell (who is going to the President's Office to work with Kerr) and my consideration of Errol Mauchlan for Gene Lee's replacement.

I assigned Jack Oswald responsibility for keeping an eye on athletics. We talked briefly about the signing with UCLA, USC and Washington on August 23rd forming the AAWU and about the report that there may be a loose scheduling association with service academies and other universities (such as Pitt, Penn State and Notre Dame). A faculty athletic representative to replace me will be budgeted out of the Chancellor's Office rather than through the ASUC as in the past. I informed them that I am thinking of Carl Nordly as faculty representative on the campus athletic advisory committee and perhaps as an ex-officio representative to the AAWU.

Jim Hart agreed to form an informal ad hoc committee consisting of Iz Perlman, Luis Alvarez and Francis Turner (or some other geologist) to be chaired by Otto Struve in order to "kick around" the Struve proposal for space sciences research.

I told them about Pauley's interest in educational television and his suggestion that $500,000 be added to the 1959-1960 budget for this purpose. With Ted Sherburne's help we should be able to move faster in this area. I indicated that Robley Williams will probably be my replacement on the TV Committee.

Alex Sherriffs gave us some background on SLATE (the liberal student "political party") and warned us that SLATE will probably demand medical services for spouses and children.

The meeting concluded with some discussion of my schedule. I will probably spend Monday noon and Thursday morning at the Rad Lab (in order to attend the regular meetings of the Chemistry group). Other than that, I intend to spend most of my time in Dwinelle Hall, working at home only on Saturdays.

In the afternoon Greg Engelhard telephoned twice: 1) to inform me that Willett of USC has agreed to the last change in the preamble and that he will now call Wollett of Washington, and 2) to discuss the eligibility case of one of our athletes.

I also talked by telephone to Ted Sherburne at some length. He told me that Harvey White informed him that the NBC physics series is now about "95% sure"; letters have gone out to 450 colleges across the country regarding credit for the course. A meeting will be held at University Extension this afternoon to discuss giving credit here. I told him that I will support credit here but

that it will, of course, require proper committee approval. Ted was very encouraged by the news of Pauley's support for increased financial support of television in next year's budget. I asked Ted to prepare some notes for my use in the speech I will give at the KQED luncheon on October 22nd. He will work with Anna Carol Dudley on preparing an outline for that speech.

Clark Kerr called me at home at 8:45 p.m. We decided that I should try to call Sterling to talk about the AP quote (which said that I implied that Stanford would join the AAWU) and other matters. I will also phone Milton Chernin to offer him the faculty assistant position. Clark agrees that Frank Kidner would be a good choice for faculty athletic representative and that if Will Dennes replaces Ed Strong as Chairman of the Philosophy Department, my suggestion of Ken Pitzer as my replacement on the Executive Committee for the Institute for Basic Research in Science makes sense (Pitzer might even be Chairman).

Wednesday, August 20, 1958

At 8:40 a.m. I called Glover (Sterling's assistant) at Stanford and explained to him that I am anxious to speak with Sterling about the mistake made by the AP reporter in Portland. He claimed that I virtually included Stanford as a member of the new athletic association which has raised Sterling's ire. I also want to talk with him about the failure to get his complete preamble approved at the meeting in Portland.

Al Ghiorso and I got together in my Rad Lab office at about 10:30 a.m. to confer about our research program. I then went to a meeting of the UCRL Associate Directors. The meeting ended shortly before noon, which barely allowed me time to get down to campus for my luncheon appointment. However, I took a few minutes to talk briefly with Ed McMillan about the proposed site of the 90-inch Cyclotron and problems with funding of the cyclotron raised by Commissioner Bill Libby (resulting from my leaving my position as Director of the Nuclear Chemistry Division to become Chancellor). We also discussed the November meeting of the National Academy of Sciences in Berkeley and the possibility of my giving a paper at that meeting. I also discussed with Ken Pitzer his suggestion that we host a reception for members of the National Academy of Sciences during their meeting.

I lunched at the Women's Faculty Club on campus with Harry Wellman, William K. Selden and Dean McHenry. Selden is Executive Secretary of the National Commission on Accrediting and wanted to explain to us the advantages of national and local programs of accrediting colleges and universities. He expressed his hope of our cooperation.

After lunch I went to my Chancellor's office in Dwinelle Hall to spend the remainder of the day. I telephoned Don Smith, who gave Errol Mauchlan an excellent recommendation for consideration as budget officer. I signed a great many letters thanking people for their letters of congratulation on my appointment as Chancellor. The letters continue to pour in. I also signed letters appointing faculty to various campus subcommittees.

My afternoon calendar was very full. Appointments had been set with a number of people. Donald W. MacKinnon came to see me at 2:30 p.m. to discuss possibilities for my replacement as Chairman of the Special Senate Committee on Teacher Training. I mentioned Carl Helmholz, Iz Perlman and Richard Powell.

Fifteen minutes later Chief John D Holstrum of the Berkeley Police Department made a courtesy call. He reviewed the history of excellent relations between the University and the city police. I agreed to speak before a luncheon meeting of the Berkeley Rotary Club on Wednesday, November 12th, on the general subject of atomic energy.

Verne Stadtman of the Cal Monthly interviewed me from 3 p.m. to 4 p.m. I gave him copies of my speeches and press releases. He will come to my home to take photos on Saturday.

The interview was interrupted by a call from Winston M. Manning at Argonne. He will send me a copy of a report on Mighty Mouse (the nuclear reactor) for my written opinion. I mentioned to him that I might visit Argonne on October 10th.

Directly following the Stadtman interview, I was interviewed again by Mrs. Judy Meyers of the Berkeley Gazette. She was accompanied by Kenneth Warfield (Executive Secretary of the local United Crusade). The Gazette will be running a series of features for the United Crusade. The interview was fairly standard. We discussed my career and I gave her a photograph of myself. She tried to develop my connections with Crusade-supported activities, such as my family's connection with Boy Scouts and Girl Scouts and Salvation Army, etc.

Maynard Michel called regarding a case of eligibility to compete of one of Cal's athletes. We will petition that case.

I telephoned Milton Chernin in London. He accepted the offer of one of the faculty assistant positions with the sensible proviso that he and I discuss what he might drop after his return to Berkeley. (He will return on September 8th. However, I won't be back from Geneva until a few days after that.) I will need to have a suggestion of someone to replace him as representative to the ASUC Executive and Finance Committees.

During the evening, Frank Kidner called me at home from Pinecrest, the summer camp operated by the U.C. Alumni Association. I offered him the position of Faculty Athletic Representative with no reduction in teaching load. He mentioned an especially heavy workload on the Indonesia Project in connection with his Bureau and a special job he is doing for a State Senator for the next six months. In response to his request for help, I said that it might be possible. He also wanted to know if this appointment had been cleared with Clark Kerr; I said yes. I noted the advantage of introducing him to his future colleagues and the press at next Saturday's signing of the Articles of Association of the AAWU in San Francisco. He will give me his answer tomorrow.

I learned that Ernest Lawrence is really very seriously ill. He has been moved to a hospital in Palo Alto today. In a statement to the press, his doctor said that the reason for the transfer from Oakland was that "he was too accessible to his friends and colleagues, and insisted on seeing them despite my orders".

Thursday, August 21, 1958

I spent this morning at the Rad Lab. I attended the regular Thursday morning meeting of the Chemistry group. Present were Alexander, Bailey, Benioff, Blann, Chiao, Chu, Faler, Flamm, Friedlander, Gruber, Haag, Harvey, Herber, Hoff, Kyi, Latimer, Lovejoy, Markowitz, Marshalek, McLaughlin, Michel, Michel, Morton, Mollenauer, Nininger, Perlman, Richardson, Ruiz, Schooley, Sisson, Steel, Sweeney, Templeton, Thomas, Valyocsik, Viola, Wallmann and Winsberg.

Sam Markowitz (recently added to the Department of Chemistry as an Assistant Professor) described the research he carried on at Brookhaven National Laboratory under the guidance of Gerhart Friedlander and Sherry Rowland. Using the Nevis Synchrocyclotron at Columbia University and the Cosmotron at Brookhaven, he investigated possible mechanisms for the p,pn reaction with target nuclides N^{14}, F^{19}, Ni^{58}, Cu^{63}, Cu^{65}, Zn^{64}, Mo^{100}, and Ta^{181}. He made chemical separations following the bombardments and the radioactivity measurements were carried out with end-window gas-flow proportional counters. He presented data showing variation of the yield with energy (0.3 Bev to 3.0 Bev), described possible mechanisms and the results of comparison with yields, calculated by the Monte Carlo method. Friedlander joined us toward the end of his talk; he had just arrived from Brookhaven.

After the meeting, I conferred with Friedlander and Iz Perlman. We explored with Friedlander the possibility of his joining the Chemistry Department as a full professor, but learned that he is not inclined to leave Brookhaven. I also saw and spoke with Donald Strominger, T. Darrah Thomas and Donald Eads about progress on their research and future plans.

At noon I ate lunch with Chemistry staff in my office. Attending, in addition to the usual Berkeley staff, were Friedlander, Art Poskanzer and Brian Pate.

Stan Thompson called me from Munich at 12:50 p.m. (He was with Fritz Weigel.) He reported that he has not been able to contact either N.A. Perfilov or Vitalii Goldanskii in the Soviet Union. However, he has a Russian visa and will go into Russia as a tourist on Saturday, August 23rd, unless he hears otherwise from me. I told him I think he ought to go ahead. He requested that my secretary make reservations for him to return on the same plane as me from Geneva.

When I arrived at my Dwinelle Hall office at about 1:30 p.m. I was shown a telegram which arrived this morning from Sigvard Eklund formally asking me to chair the C-10 Session in Geneva.

At 3:40 p.m. I called Lester Winsberg at the Rad Lab and informed him that he ought to count on only one more year as a postdoc at the Lab.

Will Dennes arrived at my office by appointment at about 4 p.m. I showed him the letter appointing him head of the Philosophy Department and sounded him out on whether or not he would like to continue as Chairman of the Executive Committee of the Institute for Basic Research in Science. I deduced that he would like to continue, as he has hinted to me previously.

When I arrived home in Lafayette, there was some excitement among the children. Steve had celebrated his seventh birthday with a birthday party at our house from 2 p.m. to 4 p.m. this afternoon.

At 6:50 p.m. Frank Kidner called and accepted the faculty athletic representative appointment for one year. He said that he may want to take a sabbatical the following year and so we will review the situation at that time. We arranged to meet on Saturday at 8:20 a.m. on the steps of South Hall.

Clark Kerr and I settled down for quite a long telephone conference, home to home, around 9 p.m. I told him of Chernin's and Kidner's acceptances, and of Dennes' desire to remain Chairman of the Executive Committee of the Institute for Basic Research in Science. (I also asked him to decide whether this committee ought to report to him or to me.)

We discussed the division of material for our talks at the reception for new faculty on September 15th. (Clark will address systemwide issues while I will talk only about the Berkeley campus.) The added cost of the Chancellor's Office this year (two more vice chancellors, a full-time secretary for Sherriffs plus one more secretary for Strong plus two faculty assistants in addition to Hart's full-time secretary for a total of three secretaries for three vice chancellors plus two faculty assistants) may have to come out of the contingency fund.

Clark approved use of the University House by both Ken Pitzer and me for the meeting of the National Academy of Sciences' entertainment. We talked about the problem of determining which vice chancellor would be in charge during my absences. Kerr thinks that my absence should exceed two weeks out of the country before I officially place a vice chancellor in charge. I mentioned that he should receive the AAWU Articles of Association tomorrow. He warned me about approving loans to faculty for house purchases unless I make it clear that it is an exception and that it must not happen again. We concluded our conversation with a brief discussion of the problems the Rad Lab is having with A.E.C. Commissioner Bill Libby regarding funding of the 90 inch cyclotron.

Friday, August 22, 1958

I met this morning with Joe Hutchison in my Dwinelle Office and told him that I would like him to continue in his present capacity as Assistant Business Manager. We discussed his two-year job with the Olympics and the need for some reassignments within his office to accommodate it. Joe told me that he believes the Grounds and Buildings Department is in good shape and that the move to new quarters is going smoothly.

I dictated a memorandum to Ken Pitzer regarding his suggestion of August 20th that we co-host a reception for members of the National Academy of Sciences meeting in Berkeley, November 6th-8th. Dorothy Gardner Powell will coordinate the reception at the Alumni House. I then called Dan Wilkes and asked him to follow up on the announcement of the meeting. Clark Kerr feels that the announcement should come from the Chancellor's Office; however, we compromised with an agreement that the announcement will come jointly from me as Chancellor and Pitzer in his role as Dean of the College of Chemistry.

In this morning's mail was an interesting memorandum from C. W. Brown (Chairman of the Buildings and Grounds Committee), summarizing all of the considerations regarding a proposed move of the Chancellor's Office from Dwinelle Hall to either California Hall or South Hall.

This afternoon I played golf with Ghiorso and Eichler at the Contra Costa Country Club. Our scores for the first nine holes were Eichler-42, Ghiorso-52, and Seaborg-53. Al and I played another three holes for which I scored 15 and he scored 18; Eichler only played an additional two holes with a score of 5 for those two.

After the golf game, at approximately 5:30 p.m., I drove to Clark Kerr's home in El Cerrito to confer with him. We went over the amendment to the Articles of Association of the Athletic Association of Western Universities which had been agreed upon in an earlier conversation between Kerr and Sterling. Then we phoned the amendment to Greg Engelhard so that he could get the material re-typed for tomorrow's meeting to sign the Articles. We briefly discussed Stan McCaffrey's Public Relations report of August 1st. It was decided that Maynard Morris will not attend out-of-town Regents Meetings in the future. Local campus public relations offices will handle each meeting. Clark and I decided that Dan Wilkes will remain with UC Berkeley with the idea that he may become the head of my Public Relations, succeeding Maynard Morris when the above-mentioned Public Relations report becomes effective. Our analyst position was earmarked for a public relations man but in view of the suggested new setup, that spot could be filled by Vic Schmidt if I so decide. We might get extra support for this position by assigning him some of the duties formerly performed by Dorothy Gardner Powell (who is now only part-time with us).

When I arrived home in Lafayette, I learned that Helen had spent an enjoyable afternoon at the Kerr's home with Mrs. Kerr. Lynne is sporting a new, very short haircut.

I received a call from Carl Thurmond of Marstown, New Jersey, asking for a recommendation for Walter Gibson. I rated Walter 30th out of 150 and gave him a very good recommendation in general.

This evening, beginning at around 9 p.m., I had a long conversation with Mrs. Polly Mills (Mark Mills' widow). At the urging of Ed Teller, she told me about the extremely bad state of affairs in the Nuclear Engineering Department. According to her, Acting Chairman Nathan Snyder is so incompetent and "apparently emotionally disturbed" that the department has lost both staff and students. She stated that the situation is so serious that even the nuclear reactor is run unsafely. Disgusted graduate students have talked to Dean O'Brien with no effect and are probably prepared to discuss the situation with the Chancellor now. Another good person to consult might be Richard M. Fulrath of the Department of Mineral Technology. Tom Pigford was offered the chairmanship of the department but, according to Polly, was too disgusted with the situation to undertake it. He might be willing to talk with me about the situation. She thinks that he is now with Convair in San Diego. I believe that if the Nuclear Engineering Department is really in as bad shape as described, we ought to consider going after one of the best men in the country to head up this important department. Possible considerations might be Alvin Weinberg (Director of Oak Ridge National Laboratory) or Walter H. Zinn (former Director of Argonne National Laboratory). The situation certainly warrants immediate investigation and remedy.

Saturday, August 23, 1958

This morning I met Frank Kidner in front of South Hall at 8:30 a.m. so that we might ride together to the meeting of the "Big Four" to sign the Articles of Association of the Athletic Association of Western Universities at the St. Francis Hotel. In the car on the way to The City, I briefed Frank intensively on the history of the Pacific Coast Conference and the formation of the new AAWU. I emphasized upholding our standards and discussed with him his ex-officio role on the Intercollegiate Athletic Advisory Committee (IAAC) and on the committee to study coordination between the ASUC and the University administration. He suggested asking the Academic Senate Committee on Committees for recommendations of seven names from which to choose three names for the latter committee. I agreed to that idea, confident that Nordly's, Kidner's and Sherriffs' names would be included in the list of seven recommendations.

The meeting of the faculty athletic representatives and athletic directors from UCLA, USC, Washington and UCB went fairly well. Present were: Frank Kidner, Greg Engelhard and I from Berkeley, Bradford Booth and Wilbur Johns of UCLA, Hugh Willett, Carl Franklin and Jess Hill of USC, and Don Wollett, Gordon Gose and George Briggs of Washington. There was considerable difficulty in getting USC, UCLA and Washington to agree to the three Sterling additions to the Articles. They feared that Stanford has promised northwestern schools admittance to the AAWU. As spokesman for UCB, I stated categorically that we would not support entry of Oregon as a charter member of the AAWU. We all agreed that additional charter members would require unanimous consent. Ten copies of the Articles of Association (copy attached) were signed by all four schools' representatives; each school will have two copies and two copies are intended for the archives. I am to make a formal request in writing that Clark Kerr raise the number of grants-in-aid for both UCB and UCLA to 150.

After the meeting, we held a press conference at the St. Francis Hotel. I served as press spokesman for the new AAWU, announcing the formation of a new inter-collegiate athletic association, describing the terms of the agreement and expressing our hope that Stanford will soon join us to make up a "Big Five".

When I arrived home at 2:30 p.m. I called Clark Kerr and reported the morning's events to him. I mentioned to him that I believe that Washington feels that in view of the addition to the Articles, they may now be asked to submit names of northwestern schools to the AAWU. I observed that if Oregon comes in, Washington State College must also join or the Washington position would be untenable. I briefly described my conversation last night with Mrs. Mills and emphasized my sense that something must be done about the Nuclear Engineering Department immediately.

At 3 p.m. Dan Wilkes arrived at my home with writers from the San Francisco Examiner and the Cal Monthly as well as a photographer to do a story on my family. The children posed on their bicycles and I answered a number of questions about family life. The article will probably appear in tomorrow's paper.

The evening papers carried news of the new Athletic Association of Western Universities. On the whole, the reporting was very positive. Emphasis was given to the higher academic standards of the four participating schools, to

ARTICLES OF

THE ATHLETIC ASSOCIATION OF WESTERN UNIVERSITIES

WHEREAS the Pacific Coast Intercollegiate Athletic Conference will dissolve and cease to exist after June 30, 1959; and WHEREAS the University of California at Berkeley, the University of California at Los Angeles, the University of Southern California, and the University of Washington wish to join in a new association after that date;

Now, therefore, the signatories agree that effective July 1, 1959, they shall constitute a new organization, and each subscribes to the following articles, which embody their current judgment of the terms and conditions on which such a new association is now established. Before July 1, 1959 these four (4) charter signatories may be joined by other charter signatories.

PREAMBLE

Organized intercollegiate athletics constitute an important activity in collegiate undergraduate life and experience. If the constructive character of this activity is to be maximized, it is essential that the student-athletes who participate in it shall be genuinely representative of the student body to which they belong. Such representation requires (1) that these student-athletes shall fulfill academic requirements as to admission and performance as adequately as other students are required to do; and (2) that the institution in which they are enrolled shall accept and discharge the responsibilities set forth above and shall maintain such curricular standards as to ensure substantive collegiate-level content in every course offered.

It is with agreement on these concepts and standards that the following articles are set forth.

Article I. The name of this Association shall be ATHLETIC ASSOCIATION OF WESTERN UNIVERSITIES (hereinafter called the "Association"). This Association is formed for the purpose of establishing an athletic program to be participated in by the members on the basis of mutual trust and confidence and based upon high standards of scholarship and sportsmanship.

Article II. Members. Members of this Association are:

University of California at Berkeley

University of California at Los Angeles

University of Southern California

University of Washington

New members may be admitted to the Association by unanimous vote of the members. Membership in the Association shall in no wise affect the right of each member to continue or establish athletic relationships with any institution.

Article III. Student Eligibility.

A. A student, whether he enters a member institution directly from high school or after transfer from another collegiate institution, shall be ineligible to compete in intercollegiate athletics at such member institution unless at the time of admission he met its published entrance requirements. (Summary of existing admission requirements of each member institution is attached to these Articles).

B. Each institution, before it permits a student who has transferred from another four-year collegiate institution to compete in intercollegiate athletics, shall require that he spend a year in residence and shall charge him with one season of athletic eligibility in each sport.

C. Each institution shall require a student athlete, as a condition of eligibility, to earn 24 semester hours or 36 quarter hours of degree credit work between seasons of competition in the same sport.

D. Each institution shall require a student athlete, as a condition of eligibility, to be enrolled in and carrying during the season of competition at least 12 hours (semester or quarter) of degree credit work.

E. Except as otherwise provided herein, each institution shall establish the academic rules under which its student athletes may be eligible for intercollegiate athletic competition.

Article IV. Financial Aid to Student Athletes.

Each member institution shall establish its rules setting forth conditions and amounts of financial aid for tuition, compulsory fees and room and board. These rules shall include the following limitations:

A. The total amount of financial aid (not including academic scholarships) provided to a student athlete by a member institution, whether by tuition grant, subsistence grant, campus employment, or any combination thereof, shall not exceed the actual cost of tuition, compulsory fees, and room and board at campus rates.

B. A student athlete who, as evidence of need, works at least 250 hours per academic year at the going employment rate on a bona fide job provided to him by the institution or athletic association, may receive from his institution a subsistence grant equivalent to the difference between his earnings from such work and the cost of room and board in recognition of the loss of opportunity to work during the practice and playing seasons. A student who is receiving such a subsistence grant shall not be permitted other on-campus or off-campus employment except during vacation periods. Alternatively, a student athlete may earn his board by serving as a waiter for a minimum of 250 hours per academic year at a residence hall or fraternity where the board is furnished, with no limitations on his additional employment on or off the campus other than that imposed by the National Collegiate Athletic Association.

C. Academic scholarships (including Rhodes-type scholarships) may be granted to student athletes who receive financial aid under A or B above, provided that the total amount of aid, earned and unearned, does not exceed the limit prescribed by the National Collegiate Athletic Association.

Article V. Scheduling.

The original signatories to these articles, in the exercise of the principle of free choice of opponents, hereby agree to schedule each other annyally on a home-and home basis in football, basketball, and to the extent feasible in other sports subject only to the provisions of Article VII.

Article VI. Full Exchange of Information.

Each member institution agrees to the principle of free exchange of information between member institutions in respect to the operation of its intercollegiate athletic program. Each member institution shall, pursuant to this principle, provide to any other member institution, upon request, complete information in respect to its entrance requirements, its academic requirements for athletic eligibility, its program of financial aid for athletes, in comparison with its overall aid program for male undergraduate students, and the academic standing of its athletes, including the school of origin, the academic record at

admission, the chosen field of study, and the academic record in the institution.

Article VII. Enforcement of Athletic Principles.

There shall be no central enforcement agent or agency of this Association. If a member institution has reason to believe that another member institution is violating either the letter or the spirit of these Articles, it may undertake to resolve its differences by discussions with that institution. If the problem is not resolved satisfactorily by discussion, the aggrieved institution after written notice to the other institution may cancel any of its schedule commitments with that institution.

Article VIII. Executive Officer.

The Association shall employ an executive officer who shall make reports, operate the officiating program, gather and keep statistics, and other data, and otherwise administer and manage the affairs of the Association as directed. The executive officer shall have no investigative or enforcement responsibilities.

Article IX. Miscellaneous.

A. The rules of the National Collegiate Athletic Association shall govern the recruiting of prospective student athletes except that there shall be no off-campus interviewing of such athletes by any athletic staff member other than the one athletic staff member designated by the institution for that purpose.

B. The rules of the National Collegiate Athletic Association shall govern all matters not covered by the terms of these Articles.

C. In the event any member of this Association participates in a post-season football game, the net receipts to that institution shall be divided equally among the members of the Association. The Athletic Directors of the members of the Association shall establish the formula for the determination of the allowable expenses of the participating institution.

D. Actions necessary to implement the policies and principles of these Articles may be adopted by majority vote of the Faculty Athletic Representatives of the full membership of the Association in meeting assembled or by mail vote. Implementation includes election of any necessary officers, adoption of procedural by-laws,

levy of necessary assessments upon members, periodic reports to the Association, and any other action within the meaning and spirit of these Articles in order to make them effective.

Article X. Amendments.

These Articles may be amended by unanimous vote of the Faculty Athletic Representatives of the members of the Association.

Article XI. Withdrawal.

Each member reserves the right to withdraw from this Association by written notice given to every other member at least one calendar year before the effective date of such withdrawal.

Signed at San Francisco, California on August 23, 1958

For the University of California at Berkeley

Glenn S. Sedberry

For the University of California at Los Angeles

Bradford A. Booth

For the University of Southern California

H. Wilcox

Carl M. Franklin

For the University of Washington

Donald H. Wollett

J. Gordon Gose

SUMMARY OF EXISTING ADMISSION REQUIREMENTS

FOR THE UNIVERSITY OF CALIFORNIA: (Berkeley and Los Angeles Campuses)

A. Entrance on High School Record:

1. Method 1. B average in History (1); English (3); Math (2); (Algebra - 1, Geometry - 1); Science (1); and Foreign Language (2); and one advanced course in Math, Science, or Foreign Language.

2. Method 2: Graduation in upper tenth of class, with some variation of courses listed above.

3. Methods 3-5: Further variations in subject matter, but with grades of B or better required.

B. Admission by Examination: Score of at least 500 in College Entrance Examination Board tests in scholastic aptitude, plus three achievement tests in subject fields. Applicant must have completed required college-preparatory courses.

C. Entrance from Junior College: If not eligible for UC at graduation from high school, a student may become so by completing at least 30 transferable units at a junior college with a grade-point average of 2.4, plus a satisfactory score on the CEEB Scholastic Aptitude Test.

FOR THE UNIVERSITY OF SOUTHER CALIFORNIA:

Admission to Freshman Standing from High School: Student must have a combined score of at least 800 on the CEEB Scholastic Aptitude Test; AND either (a) ten units of A and B marks in academic subjects in the last three high school years, or (b) academic rank in the upper half of his graduating class.

Admission from Junior College:

(a) Student entering with less than 28 units of degree credit will be admitted.

(1) If admissible from high school, AND has cumulative G.P.A. of 2.0 or above on junior college work.

(2) If not admissible from high school, but has earned a 2.5 G.P.A. on at least 15 units of degree credit work in his first semester of junior college.

(b) Student entering with 28 or more units of degree credit will be admitted if G.P.A. is 2.0 or above.

Admission from Four-year College: (Same as from Junior College)

Cont'd on Page Two

FOR THE UNIVERSITY OF WASHINGTON:

A. Basic Requirements:

1. High School

Must have completed 16 units with a 2.00 (C) overall grade point average, 9 of them in academic subjects prescribed by the college concerned. (11 units in academic subjects will be required effective in the fall of 1961).

2. Transfer Students

Grade point average of at least 2.00 (C) in standard college courses.

B. Limitation on Non-Resident Applicants:

In order to keep the non-resident student population within manageable limits, the following controls have been established:

1. High School

Eligibility for admission to local state, provincial, or territorial university and either grade point average of 3.00 (B) or placement in upper 25 per cent of graduating class.

2. Transfer Students

a. Applicant has 45 or more acceptable college quarter credits: Grade point average of 2.70 (B-) in standard college courses.

b. Applicant has less than 45 acceptable college quarter credits: Grade point average of 3.00 (B) in standard college courses and either grade point average of 3.00 (B) in high school or placement in upper 25 per cent of graduating class.

C. Administration:

The Board of Admissions, consisting of three members of the faculty appointed by the President, administers all regulations pertaining to admission, and has final authority to pass on petitions from applicants who do not meet grade point requirements.

the "new concept...of mutual trust and confidence" and to my expression of hope that Stanford will soon be joining us. I attach Ed Schoenfeld's column for the Oakland Tribune as an example.

Sunday, August 24, 1958

The Examiner story on our family features a four-column picture of all seven Seaborgs. The caption, "Mobile Family", refers to the fact that all five children are mounted on their bicycles in the photograph (attached).

In the afternoon I played 18 holes of golf at the Contra Costa Country Club with Bob and Betty Miller and Phil Reed. Our scores were as follows: Bob Miller-103, Betty Miller-119, Phil Reed-106 and mine-103.

During the evening I worked some more on my talk for the Second International Conference on the Peaceful Uses of Atomic Energy in Geneva next month.

Monday, August 25, 1958

There was tremendous furor this morning over a statement made by Cal's football coach, Pete Elliott, that he has asked Herman Weiner, President of Southern Seas (Cal's Southern California recruiting organization), to suspend all activities. According to newspaper reports, George Dickerson, UCLA's new football coach, burst into Elliott's office on the Berkeley campus without notice on Saturday, accompanied by two student athletes and an L.A. newsman (Sam Balter), and accused Weiner of illegal recruiting practices. Elliott said that he will launch an investigation into the charges by the two students that Weiner offered illegal payoffs and that he would ask Weiner to "stop talking to athletes until we have a chance to look further into the cases". Newspaper stories also made unfortunate reference to bad feelings between the two coaches. Elliott was quoted as saying,

> "Without question, George wants to do the right thing and help athletics by getting things squared away in respect to this recruiting...His intentions in coming to Berkeley last Saturday were all right. The methods he used were questionable."

I called Clark Kerr early in the morning to discuss this matter with him. He may ask Ray Allen and me to make statements about this issue. We also talked about Art Rosenbaum's column in this morning's Chronicle, about which neither of us is pleased. Rosenbaum speculates about the possible advantages to Stanford of waiting to join the new Athletic Association of Western Universities. Referring to Stanford's votes in favor of penalties for PCC violations, Rosenbaum wrote,

> "It might have been considered a face-losing scene had Stanford sat in on the press conference which introduced the AAWU to the public...After it has been determined that the Big Four is cleansed of all past sins, then Stanford can forgive and forget. A reasonable waiting period for cleansing would be one football season from date of formation, or sometime before January 1, 1960."

OAKLAND TRIBUNE
August 23, 1958

FOUR SO FAR

Cal in New Athletic Association

By ED SCHOENFELD
Tribune Sports Writer

University of California and three other members of the soon defunct Pacific Coast Conference today joined in the formation of the new Athletic Association of Western Universities. It will come into being next July.

University of California, Los Angeles; University of Southern California and the University of Washington are the other members of the new loose knit grouping announced in San Francisco today.

Hopes of a "big five" fell through as Stanford University failed to join the association.

Dr. Glenn Seaborg, U.C. chancellor, serving as spokesman at the press meeting, expressed hopes that the Palo Alto institution would join in the near future.

The association has been established on the principle of institutional control for the intercollegiate athletic program and with mutual trust and confidence that each member will conduct its athletic program according to the basic principles.

Unlike the Pacific Coast Conference, which disbands next June 30, the new association will have no commissioner. Its executive officer will have no investigative or enforcement responsibilities. Each member institution will be responsible for its own enforcements of the rules.

In respect to financial aid for athletes, the new group will permit room and board in payment for working.

SAN FRANCISCO EXAMINER - August 24, 1958

Dr. Seaborg as UC Chancellor Aims for Balance in Curriculum

Dr. Glenn T. Seaborg, always a wearer of many hats, had to take one of them off for good yesterday.

Following years of service as University of California faculty representative to the Pacific Coast Conference and its newly-formed successor, he quit after brieting reporters at a morning press conference here.

As a distinguished nuclear chemist, Nobel laureate, author, scholar, researcher, and teacher, his newest job—Chancellor of the Berkeley campus—just did not leave enough time any more.

So Doctor Seaborg, as Chancellor, appointed Professor Frank Kidner of the economics department to succeed him as faculty athletic representative on the new Big Four of the West.

Since the tall, spare scientist has been chancellor for less than 10 days—succeeding Clark Kerr, now UC president, on Aug. 15—he explained that he had no specific changes in mind, insofar as his job was concerned.

"But there are particular areas being looked into," he said, referring to the present curriculum at Berkeley.

His aim, as far as curriculum is concerned, is a proper balance among the humanities, the professional areas, the social sciences and the physical and natural sciences, he said.

NOT ONE-SIDED.

"We must never allow an over emphasis in any one of these areas of scholarship," he said. "I want to make it especially clear, as a scientist, that I don't think science should be over emphasized either."

At his ranch-style Lafayette home, Doctor Seaborg demonstrated that he can shift gears from one task to the next with seemingly effortless grace.

One minute he would softly cajole his daughter and four sons into posing for a picture; the next he would earnestly discuss administration tasks.

The 46 year old university leader said he will also work toward making UC even more attractive to prospective faculty members **"so that we can do some aggressive recruiting."**

With the huge number of students expected within a few years, he said, such recruiting will become intensely competitive among the country's colleges and universities.

DAY-TO-DAY.

As for Doctor Seaborg's day-to-day life, he expects to get up about 7 o'clock in the morning, leave the house a little before 8, and leave the chancellor's office for home around 6.

Because he is still associate director of the university's radiation laboratory, he hopes to get up there **"a couple of times a week"** and to continue teaching two or three graduate students in chemistry.

Asked how he manages to get any "homework" done in hi sstudy, wit hthe children dropping in now and then, he smiled and said:

"I can work with distractions. They don't bother me, unless all five were in here at once."

WIFE BUSY.

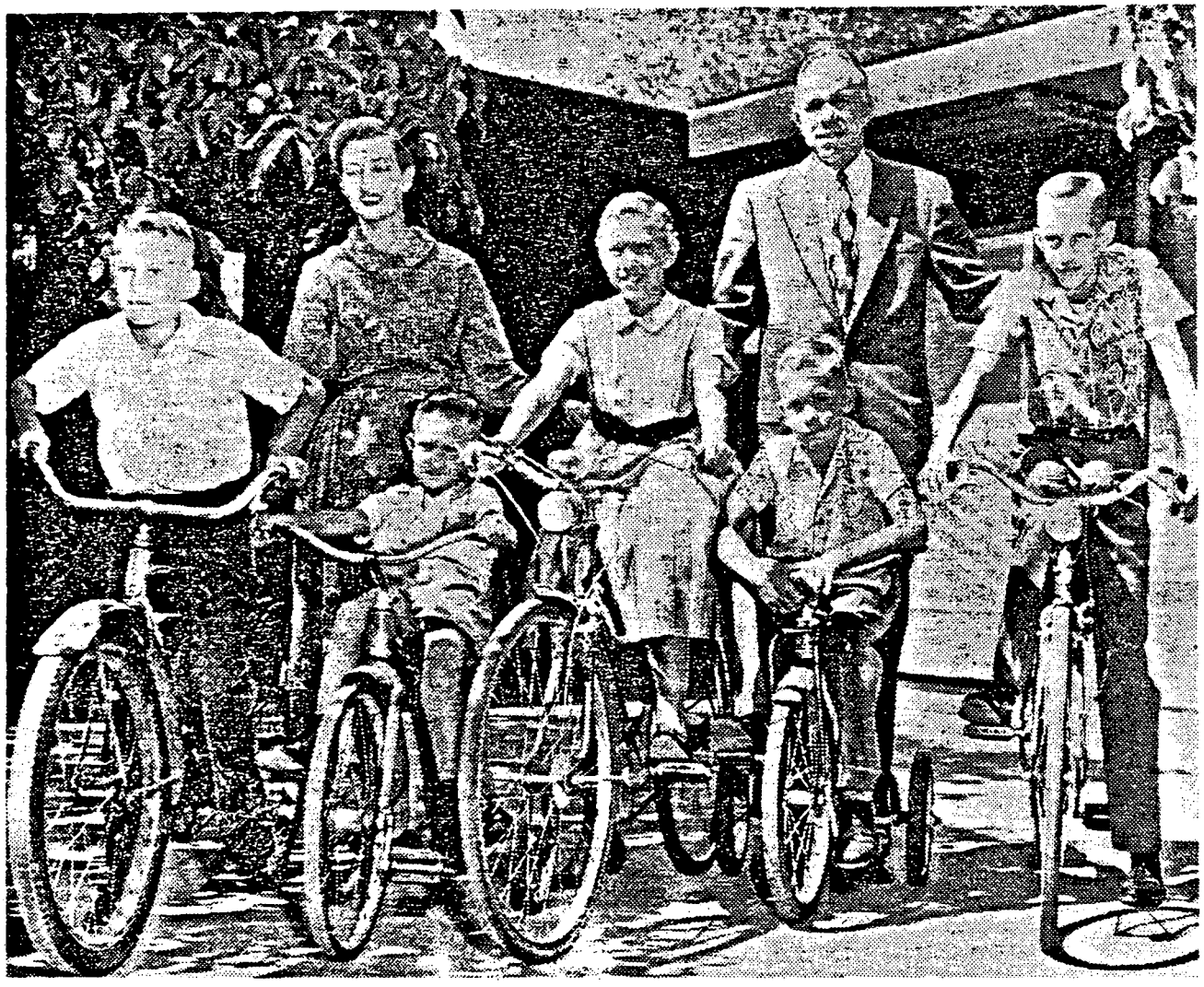
Doctor Seaborg's handsome wife, Helen, has a schedule as busy as her husband's, and prefers it that way.

She does all the cooking, all the laundry, and takes care of the five children herself.

"She ironed all my shirts herself until just recently, the new Chancellor said proudly.

But when the Seaborgs go out in the evening, they normally get two baby-sitters to take care of the kids.

"We do that so if one is overwhelmed, the other can call for help," he said.



MOBILE FAMILY — Glenn Seaborg, new chancellor of the University of California, and his wife, Helen, with their five cycling children at home in Lafayette. From left, the children are David, 9 John Eric, 4; Lynne, 11; Stephen, 7; and Peter, 12.

OAKLAND TRIBUNE
August 24, 1958

'Big Four' Form New Grid Loop

By ED SCHOENFELD

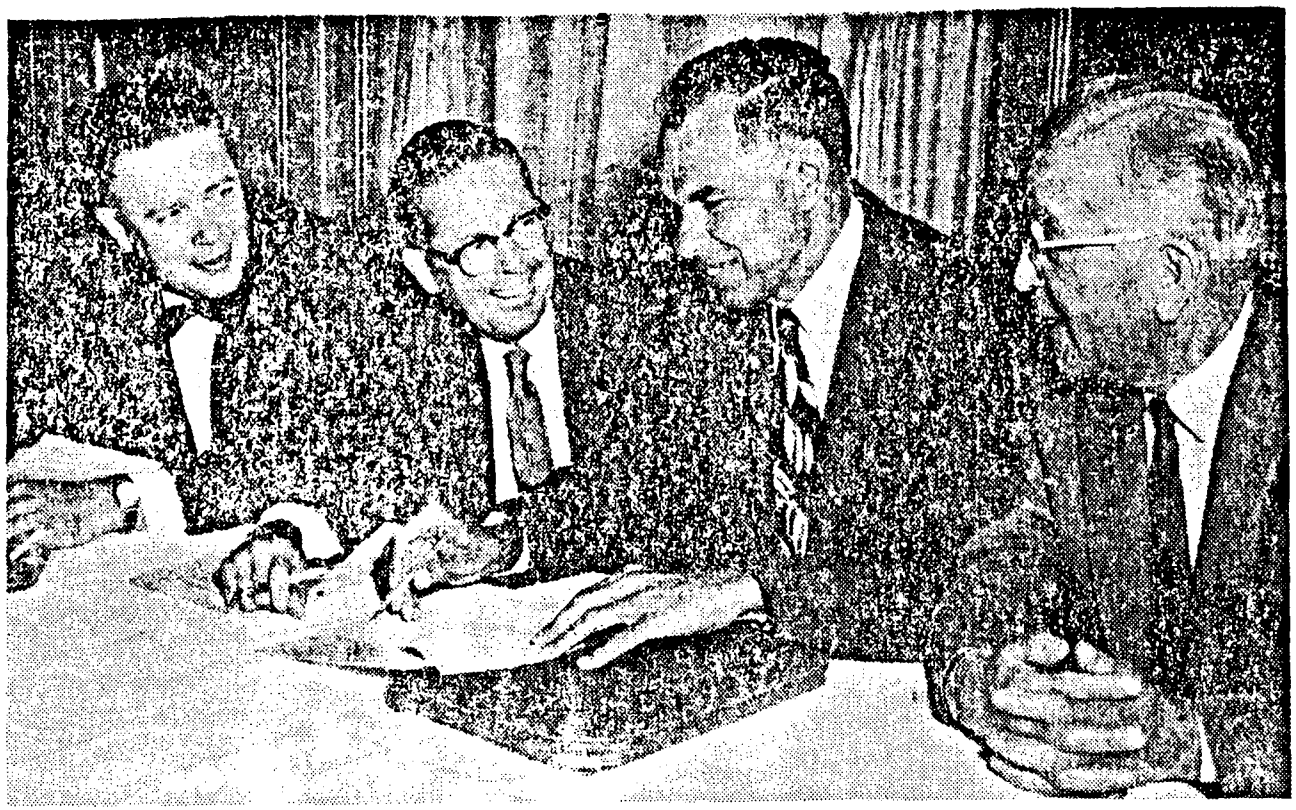
A bold "new look" was created on America's intercollegiate athletic scene yesterday in San Francisco.

For the first time, four major universities established an association based on the idea that each school, with mutual trust and confidence in the others, will police itself.

Called the Athletic Association of Western Universities, it is composed of California, USC, UCLA and Washington. It will start operations next July 1 once the Pacific Coast Conference has disbanded.

In the "new look," according to the association's articles given newsmen at a press conference, there will be no central enforcement agent or agency. If a member institution has reason to believe that another member is violating either the letter or spirit of the articles, it may undertake to resolve its differences by discussions with that institution.

If the problem is not resolved satisfactorily by discussion, the aggrieved institution, after written notice to the other institution, may cancel any of its schedule commitments with that institution.



Tribune photo

FORM NEW ASSOCIATION—Chancellor Glenn Seaborg (second from right) of California announces formation of Athletic Association of Western Universities yesterday in San Francisco as fellow faculty representatives look on. From left: Prof. Don Wollett of Washington, Prof. Bradford Booth of UCLA, Seaborg, Prof. Hugh Willett of USC.

There will be an executive officer of the association, but he will have no investigative or enforcement responsibilities.

Each institution has agreed to the principle of free exchange of information between member institutions in respect to the operation of its intercollegiate athletic program.

Complete information in respect to its admittance requirements, academic requirements of athletic eligibility, financial aid for athletes and academic standing of its athletes shall be exchanged upon request.

The association will be governed only by the rules of the NCAA.

Abuses of the financial aid rules, which had a good deal to do with breaking up the 43-year-old PCC as UCLA, USC, Washington and California were penalized for violations, should be automatically eliminated with the new association's aid setup.

There will be no reason for an athlete to have to accept illegal aid in order to pay his room and board bill.

The new group's aid plan provides that an athlete can receive his tuition and fees and work at least 250 hours a year for his room and board. If he can not earn enough on his campus job to pay his living costs, the athlete will be given a subsistence grant by his institution to make up the difference.

Under the PCC rules, an athlete can receive only $100 a month for working 50 hours. If the amount fails to cover his room and board cost he has to dig up the difference himself.

It was this pressure on the boys, especially in the metropolitan areas of the PCC, that brought about the illegal aid, pointed out Prof. Bradford Booth, UCLA's faculty athletic representative.

"Now we have a chance to operate this aid program more intelligently," Booth added.

There is no provision in the new aid plan for extras (books, laundry, etc.) because the association officials feel athletes should be able to earn enough during vacation periods to cover this expense.

Free scheduling will be the rule except when the members schedule each other annually on a home-and-home basis in football, basketball, and to the extent feasible in other sports.

Asked if the institutions' basketball teams might enter into an outside league, U.C. Chancellor Glenn T. Seaborg, spokesman at the press conference, said there is nothing in the new association's articles to prohibit it.

There has been talk that despite the nine-member PCC's collapse next June 30, the schools' basketball teams still might engage in northern division-southern division competition.

From an academic standpoint, each institution, in a general sense, will establish its own rules under which an athlete is eligible for competition.

The PCC rule calling for an athlete to earn 26 semester hours of degree credit work between seasons of competition in the same sport is educationally "unsound," UCLA's Booth said. Non-athletes only need pass 24 units.

That's why the new association lowered the number to 24, Booth explained.

Hopes of a "big five" faded when Stanford failed to show up to sign the articles.

Chancellor Seaborg expressed hope that Stanford would join the association in the future. At the same time, Seaborg said he understood the Palo Alto institution had not made a decision, one way or another, in respect to the new alignment.

Prof. Don Wollett of Washington disclosed that Prof. Rixford Snyder, Stanford's faculty athletic representative, had read the association's articles and approved them.

Seaborg was asked if it is possible other PCC members —Oregon, Oregon State, Washington State or Idaho—might join the new association.

"I have heard of no indications," he replied. "It is theoretically possibly by a unanimous vote."

Enlargement of the group is a definite possibility, the U.C. chancellor said.

"There is nothing inconsistent in the formation of this organization and a larger national association," he continued. "There have been frequent reports of the possible formation of a coast-to-coast alignment of major institutions."

Seaborg did not elaborate on the statement.

The Rose Bowl game was mentioned.

"There has been very little discussion of the game in our meetings," the spokesman reported. "After all, we don't begin operating until next year and there is still a two-year Rose Bowl contract with the PCC."

USC Prof. Hugh Willett added: "After 1960 the Rose Bowl game belongs to the Tournament of Roses. There is no contract covering the game after that."

Tournament of Roses officials have indicated in the past they lean toward signing a pact with the new association and retaining its Coast-Big Ten relationship.

Representatives at the meeting were Dr. Seaborg and athletic director Greg Engelhard from California; Dr. Booth and Wilbur Johns of UCLA; Prof. Wollett and George Briggs of Washington, and Prof. Willett and Jess Hill of USC.

Professors Frank Kidner of California, J. Gordon Gose of Washington and Carl Franklin of USC, new athletic faculty representatives for their schools, also attended.

SAN FRANCISCO EXAMINER, August 24, 1958

Big Four (Stanford Absent) Form 'New Concept' Conference Here

By CURLEY GRIEVE
Sports Editor of The Examiner

A new conference to be known as the Athletic Association of Western Universities was born here yesterday, with its four originating members acclaiming the infant as a healthy specimen destined for a long and successful life.

Officiating at the delivery room in the St. Francis Hotel were the faculty representatives and athletic directors from University of California, UCLA, USC and Washington.

They hailed the association as a "new concept" because it is based on the principle of "mutual trust and confidence," with each institution responsible for the cleanliness of its own linen—no czar, no cops for policing, no fines and only their own consciences to guide them.

Actually, life will not be breathed into the infant until July 1, 1959, within 24 hours after the present Pacific Coast Conference goes out of business by unanimous vote.

By that time the Big Four hopes to have one additional charter member, Stanford.

Dr. Glenn T. Seaborg, chairman at the press conference and chancellor at UC, said that Stanford representatives — Professor Rixford Snyder and Assistant Athletic Director Church Taylor — had participated in all preliminary sessions and helped to formulate the articles of the association.

"I personally hope that Stanford comes in," Dr. Seaborg said.

"That goes for all of us," Professor Hugh Willett (USC) added.

The Big Four expects a decision from Stanford after its next board of trustees' meeting on the third Thursday of September.

The spokesmen indicated that the association was not limited in size and could be expanded by unanimous vote."

In this connection, it was pointed out that academic admission requirements would be a key factor in any school's credentials.

"As of now, we are almost alike in that regard," it was stated.

Attached to the articles of association was a summary of existing admission requirements. Those at UC and UCLA were identical. USC's was strengthened by the addition of college entrance examinations (800 score in the CEEB Scholastic Aptitute Test) which, as Dr. Seaborg noted, puts them in the "big league scholastically now."

This tightening up already has jolted the recruiting program at Troy. Professor Willett said that out of 27 hand picked athletes, including 17 from the North-South prep football game, all but two failed to gain admission.

While Washington's entrance requirements are lower than those of the other three schools, they are almost equally as strict in respect to out-of-State students. In other words, football players from California going to Washington have to hurdle almost the same matriculation barriers as they would at Cal or UCLA.

"That compensates — we won't have California players with bad grades returning to beat us," someone explained.

TOUCHY SUBJECT.

In respect to financial aid—a touchy subject because all four schools were penalized both by the PCC and NCAA for illegal aid to athletes—the association rules provide that the total amount shall not exceed the actual cost of tuition, compulsory fees, room and board at campus rates.

An outright "subsistence grant" of cash is permissable under certain conditions, as explained in this paragraph of the article:

"A student athlete who, as evidence of need, works at least 250 hours of an academic year at the going employment rate on a bona fide job provided by the institution or athletic association may receive from his institution a subsistence grant equivalent to the difference between his earnings and the cost of room and board in recognition of the loss of opportunity to work during the practice and playing seasons."

Each institution will set its own "living cost" standard and a full exchange of information among members in this and all other regards is required.

NO HIGH COURT.

In case of any "rhubarbs" the disputants can either get together and settle their differences or refuse to schedule each other.

The rules provide for an "executive officer" who will keep statistics and supervise officials, but do no investigative or enforcement work.

Doctor Seaborg pointed out that there would be "nothing inconsistent in association members being part of a larger, national organization" such as that recently rumored that would embrace the Big Four, service academies and larger independents.

On whether the Big Four — or Big Five, if Stanford joins — will take over the Rose Bowl, Dr. Seaborg made only this comment:

"There was not too much discussion on the Rose Bowl angle. The Coast Conference will be in charge of the game for the next two years. Then, with no existing contracts, it reverts to the Tournament of Roses Association. We have no understanding now with the Pasadena officials."

It's a cinch, however, that this is one of the ultimate targets of the new group.

FREE CHOICE.

In respect to scheduling, association members are given a "free choice of opponents" but agree to schedule each other on a home-and-home basis in football, basketball and, where feasible, other sports. This is a revolt against the old PCC round-robin which led one official to remark:

"We won't feel ganged up against and dictated to in this new setup."

The articles of the asociation will be fortified with by-laws at some future point. On subjects not specifically covered, rules of the NCAA will be followed.

Representatives at the meeting included: California — Dr. Seaborg, faculty-delegate Frank Kidner, Athletic Director Greg Engelhard; UCLA — Mr. Bradford Booth, Athletic Director Wilbur Johns; USC—Professor Willett, Professor Carl Franklin (delegate-elect) and Athletic Director Jess Hill; Washington — Profesor Don Wollett, Professor J. Gordon Gose (delegate-elect) and Athletic Director George Briggs

(The 1960 date is the end of our current contract with the Tournament of Roses Association.) Clark and I both feel that Rosenbaum presented the new athletic association in a very unfavorable light, needlessly emphasizing "past sins" and publicizing our differences with Stanford. We cannot help feeling that the column may have been Stanford-inspired. I told Clark that the word from the Tournament of Roses is that they will probably sign with the AAWU with or without Stanford. However, we are still hopeful that Stanford will soon decide to join us.

Shortly after my conversation with Kerr Ed Schoenfeld (sports writer for the Oakland Tribune) called to read me his column covering Elliott's statement regarding Weiner and the Dickerson-Elliott row. Schoenfeld appears to be downplaying the conflict between the two coaches.

Then Bob Brachman of the San Francisco Examiner called to question me about the Dickerson matter. I simply told him that I am leaving the matter in Greg Engelhard's hands at this stage.

I then called Mrs. Katherine Gawdy (secretary in the Department of Athletics) and asked her to inform Engelhard (who is vacationing at Pinecrest) of the Dickerson-Elliott matter and in particular to draw his attention to Durslag's article in this morning's Examiner (copy attached). I also requested that he send copies of the final signed version of the Articles of Association of the AAWU to Wallace Sterling at Stanford.

I had a brief conversation with Maynard Morris about the inaccuracies of the clipsheet of the University Bulletin's announcement regarding the new vice chancellorships and their correct titles. Morris admitted that I had made these points clear to him and that he should have proofread them more carefully. Anna Carol Dudley told me that she spoke with Morris a few minutes later and learned that the errors had been corrected.

At 10:45 a.m. Lee Edson, a freelance writer working on assignment to THINK (the IBM house magazine), interviewed me about my views on education, science, faculty life, etc. Dan Wilkes had previously supplied him with copies of my speeches and my c.v. Edson will provide us with a copy of his write-up for pre-publication review, hopefully before the end of the week.

Harvey White called from New York City at 11:30 a.m. to let me know that 200 colleges have responded positively to his invitation to grant credit for the "Continental Classroom" series. The program will begin on October 6th. Harvey is in the process of preparing a public relations release which will contain statements from prominent people. I gave him the following statement to use in his project: "This TV teaching program can have a far reaching effect on the promotion of science education in this country."

Shortly before noon I went up to the Radiation Laboratory to attend the regular Monday lunch staff meeting. While up on the Hill, I used my (now Perlman's) office and placed a call to David Horne of the Yale University Press. Horne told me that he believes that a separate edition of Transuranium Elements (the Silliman Lectures) as a presentation volume for distribution at the Geneva Conference on the Peaceful Uses of Atomic Energy is already out; their own edition will be out in mid-September. He promised to see that a copy is airmailed to me as soon as one is available from either source.

SAN FRANCISCO EXAMINER
August 25, 1958

Cal, Bruins in Row Over Recruiting!

By MEL DURSLAG
(Special to the Examiner)

LOS ANGELES, Aug. 24.—While the angels of peace wrestled about softly in San Francisco Saturday to formulate the new Big Four of the West, the head football coaches of the brotherly institutions, UCLA and California, were slugging it out verbally across the Bay in the forerunner to a full scale recruiting battle.

The Examiner has learned that George Dickerson, the new coach of the Bruins, descended on Berkeley with a small task force, and burst unannounced into the office of Cal's Pete Elliott to take up the quarrel.

The intrusion by Dickerson wasn't appreciated in the least by Elliot, since Pete, at the moment, was in the act of interviewing a hot high school prospect and the mother of another.

Before the debate ended, in the presence of startled witnesses, the following developments took place:

(a) Dickerson accused Herman Weiner, president of the Southern Seas, Cal's recruiting agency in southern California, of illegal proselyting.

(b) Dickerson demanded that Weiner be abated under the threat of "exposure";

(c) Elliot cautioned Dickerson to throw stones with great discretion, since UCLA lived in very much of a glass house itself, and—

(d) The two finally agreed that in the absence of a conference police force, they must do their utmost to keep recruiting procedure in hand.

Dickerson's plot for a surprise invasion of Berkeley was hatched last Friday morning at Westwood, it was learned.

While interviewing a fine prospect from Mark Keppel High, named Foster Anderson, Dickerson discovered that the boy had been invited the next morning for a talk at Berkeley.

According to Anderson, the coach asked what airlines.

"United, flight 565," said the boy.

Promptly, Dickerson booked passage on the same plane for himself, for two players named Bill Kilmer and Dean Moore to be used as corroborating witnesses before the Cal coaches, and for Sam Balter, the columnist, commentator and long time Bruin booster.

Kilmer is a tailback prospect from Citrus JC, reportedly committed to UCLA. Moore is also a tailback who played on the UCLA freshman team last year.

KEEPS DATE.

Young Anderson, a widely sought guard, took leave of the task force at the San Francisco airport, and went ahead to keep his appointment with Elliot. He relates subsequent events as follows:

"I was sitting in the outer office at Berkeley with John Ralston, the Cal assistant coach. In the inter office, Elliot was talking to Mrs. Pierovich (mother of George Pierovich, a high school star who lives near Stockton).

"Suddenly, Dickerson bursts in, and he's followed by Balter, Kilmer, and Moore. Dickerson then asked for a meeting in the outer office with everyone present.

"He leveled a lot of charges at Mr. Weiner, and said that UCLA favored an honest, above-the board program. Elliot was very calm. He said he didn't mind UCLA's producing witnesses against Cal if there were no objections to Cal's witnesses against UCLA.

"Dickerson said that if anything crooked was going on with UCLA recruiters, he wanted to know about it personally. I don't recall the exact wording, but the two agreed they had to stamp out graft and any loose money flying around."

FLARES UP.

Assistant Coach Ralton reportedly got angry at Dickerson for the intrusion and demonstration, and intimated that the Bruin was trying to discredit Cal in the hope of sewing up Anderson and Pierovich.

Dickerson, meanwhile, accused recruiter Weiner of trying to bag prospect Kilmer at the Red Sanders funeral. The Bruin coach told Elliot that he spotted Weiner talking to Kilmer in the parking lot outside the church.

A local business executive, Weiner yesterday scoffed at the charge, and said he was shocked at even the intimation of such irreverance.

"I attended Red's funeral to pay my respects," said Weiner. "I ran into Kilmer in the parking lot, and simply said hello.

"As for Dickerson's other accusation, I think he is judging others by UCLA's standards. They are interested in top flight athletes, so are we. But any wild charges of inducements by us are false."

Prospect Anderson was asked about his relationship with recruiter Weiner.

"My experience with him was only the best," said the boy. "He offered me nothing illegal."

In Berkeley, Elliot acknowledged the unexpected visit by the Dickerson task force on Saturday.

"I'm not sure that Dickerson's approach was right," said Elliot, "but I'm sure his intentions were right. I think he's sincere in wanting to get the recruiting situation squared away."

When I returned to my campus office, I sent a note to Clark Kerr by special messenger, requesting that he increase the number of athletic grants-in-aid to 150 per year. I then wrote to Brad Booth to let him know that I had fulfilled my promise to do so.

A letter from William Davis of the YMCA at Stiles Hall congratulating me on my appointment as Chancellor referred to a statement made by me which was quoted in the April-July issue of the Council for Civic Unity newsletter. Curious about this, I asked to see a copy of the newsletter. It is apparent that this quotation was taken from a speech, "Education in Our Age: Let's Define the Problem", which I gave in Sacramento last February. My statement, which they titled "Native Intelligence Not a White Monopoly", stressed the need for support of education of all minority groups. I am pleased that Davis sees this as "one additional evidence of your fitness for the important position to which you have been appointed."

I received a confidential memo from Clark Kerr, "Thinking over our discussion of athletic relations in the future- might V.O.S. (Vic Schmidt) fit better some place else than on your immediate staff?" I then called Vic and asked him to send me updated biographical information to aid me in my efforts to find him a position at the Berkeley campus.

Bud Hastings called at 2:45 p.m. regarding the Dickerson-Elliott matter. He has contacted Wilbur Johns in Denver and told me that Johns was flabbergasted by the whole affair. He wants me to know that he is very sorry about this mess. Hastings got in touch with Sam Balter, the L.A. newsman who accompanied Dickerson to Berkeley and witnessed the entire scene, and told him to "stay out". Hastings explained that things must be handled through channels. Hastings and Johns are going to make a joint press statement and will check it with me later in the afternoon. Pete Elliott also called to read me his statement. I suggested that he make certain changes and then include his statement in the release by Hastings and Johns.

Kitty Stephenson called from the President's Office to invite me to attend a meeting with Stanford people on September 11th. I regretted that I will not be able to attend, as I am not planning to return from Geneva until the following day.

I met with Alex Sherriffs in my office to discuss the liaison between the ASUC and faculty in regard to athletics. Alex will draft a letter to the Committee on Committees requesting a panel of names for the committee. One suggestion for the ASUC faculty representative is Armin Rappaport (History Department). Alex will interview him and we will discuss the matter further in tomorrow's Cabinet meeting. We also talked briefly about Allen Blaisdell. I informed Alex that Clark Kerr is already firmly committed to Blaisdell on the foreign student advisor and "consular" function. We agreed that Sherriffs should sit in on my meeting with Blaisdell on Thursday.

I talked to Clark again this afternoon and reported on my conversation with Hastings. I also indicated that I will be unable to attend the September 11th meeting with Stanford representatives. He told me that he has a memo out to Allen and to me regarding the Dickerson matter, "calling for an early report on the charges against Weiner".

Bud Hastings and Pete Elliott called again on a conference call to read me their statements. Elliott's statement included my suggested changes, now

lifting the ban on Weiner until he is proven guilty of the charges against him. I told them it was okay to release the statements as they now stand but suggested that they should also seek Johns' okay. Above all, we must avoid the possibility of Johns making any contradictory statement. I noted that Kerr has written to ask for an early report on the matter and remarked that Engelhard may have to come back from Pinecrest to work on this; Kidner, also, should probably be involved.

Tuesday, August 26, 1958

At 9 a.m. this morning I met with Glen Gordon, one of my graduate students, in my Dwinelle Hall office to discuss the progress of his research.

Shortly before 10 a.m. I called Bud Hastings and outlined a reply to Kerr's request yesterday for a report on the Southern Seas-Weiner case. Hastings will bring the draft to me as soon as he has filled in certain information.

Lincoln Constance (Dean of the College of Letters and Sciences) and I met for a long conference beginning at 11 a.m. Among other things, I asked Constance if he expected action on the many memoranda I have received from him regarding his conferences with departmental chairmen; he said they are intended for my information only--unless I wish to indicate disagreement with any suggestions contained therein. We talked about the Lake Arrowhead Conference on Public Relations to which Constance was a delegate. The Public Relations Report recommends a trio--Information, Development and Public Relations--at both the President's and Chancellor's level. I agreed to support the proposal that Mary Haas be released from her commitment to the Department of Oriental Languages for the next academic year in order to devote that time to her Thai dictionary project. We then talked at some length about the transfer of equipment and personnel from the Berkeley campus to the San Francisco Medical Center. We both believe that the result of the Regents' action of June 1958 is that Choh Hao Li is now under the jurisdiction of the Wellman Committee. A phone call to Harry Wellman confirmed this. I will discuss this further with Li in my meeting with him later this afternoon.

The regular Tuesday lunch meeting of the Chancellor's Cabinet was held in the conference room beginning at noon. Present were Hart, Lee, Malloy, Sherriffs, Strong and I. I announced that Frank Kidner has accepted the appointment as Faculty Athletic Representative. I plan to speak with Alan Searcy about the other opening for a faculty administrative assistant. We discussed the status of Errol Mauchlan's consideration as budget officer. I stated that we are waiting for one more reply to a request for a letter of recommendation, noting that feedback received thusfar has been very favorable.

There was also mention of the problem in the Nuclear Engineering Department . I assigned Ed Strong responsibility for talking to several key people about this problem and gathering information for me. Jim Hart gave background on the site for the undergraduate library, the Humanities Library and the Chancellor's Office. Kitty Malloy will inform Dorothy Powell of the need to bring this to the attention of the Academic Advisory Committee.

There was general agreement on space assignments within the Chancellor's Office; Kitty will work with Architects and Engineers on the plans. Kitty also outlined the procedures within the office for circulation of memos and information.

Glenn T. Seaborg

NUCLEAR POWER: ITS STATUS TODAY AND SOME CONCLUSIONS

(Glenn T. Seaborg, Chancellor of the Berkeley campus and Associate Director of the Radiation Laboratory, drew on his broad acquaintance with developments in the field of nuclear power to discuss "Nuclear Power—Its Scientific Basis, Its Current Status and Some Conclusions" before the Northern California World Affairs Council Conference on the International Atom last spring. Chancellor Seaborg's remarks, which approach such important questions as the nature and progress of United States peacetime nuclear development, the problems and prospects connected with extending nuclear power facilities to other countries, and competitive coexistence with the Soviet Union, have been excerpted for the article which appears below.)

There is hope that reactions involving the fusion of light elements, rather than the fission of uranium, can be harnessed for power generation. This is referred to as taming the H-bomb or controlled thermonuclear power. We have a large secret project, known as the Sherwood Project, in which work is being done on fusion. From the unclassified reports which have appeared, it seems evident that this is an enormously complex problem with no likelihood of widespread practical application in the near future; however, given faith generated by scientific successes in the past, we may reasonably conclude that it will ultimately yield to the attack. This is important, because the raw materials for such a plant are limitless and the end products of the reaction are not radioactive.

The second peacetime application of atomic energy is the use of the by-product radioactive substances in research work for atom-tagging experiments. In atom-tagging or tracer studies, as they are sometimes called, an element in its stable form is tagged or labelled by mixing it with a radioactive form of the same element. Then the course of the element, for example through the human body or a chemical reaction, can be followed quite easily.

Radioactive Tracers

Today there are about 1,000 radioactive substances known, most of them made radioactive by artificial means, that is, by bombardment of suitable targets with nuclear particles. The Oak Ridge National Laboratory in Tennessee has made about fifty thousand shipments during the last seven years to medical institutions, hospitals, universities, and public and private research institutions throughout the world.

It has been estimated that the use of radioactive tracers will soon be saving American industry and agriculture a billion dollars per year and it is predicted that by 1960 or 1962, the saving will be five billion dollars annually and hence, eventually, such saving will pay the way for the entire American effort in nuclear energy.

What has been happening in the nuclear power field within the United States within the last few years? First, let me state categorically that the United States is far out in front in over-all nuclear know-how, depth of industrial experience and numbers of trained nuclear technicians,

UNIVERSITY BULLETIN

Vol. 7, No. 4 August 25, 1958

DOUGLAS K. YOUNG, Editor

Issued each Monday in fall and spring semesters except during Christmas and spring recesses, and every other Monday during Summer Sessions.

All matters concerning the "University Bulletin" should be addressed to one of the following:

Berkeley.....Maynard T. Morris
Davis.....Ralph D. Smith
La Jolla.....Thomas A. Manar
Los Alamos.....David M. Stearns
Los Angeles.....Andrew J. Hamilton
Mount Hamilton.....Daniel M. Wilkes
Riverside.....George Petrie
San Francisco.....Daniel M. Wilkes
Santa Barbara.....George Obern
College of Agriculture.William F. Calkins
University Extension...Wilson Schooley (north), and Miss Ann Sumner (south)

Office of the Assistant to the President

scientists, and engineers. The fact that the United Kingdom has built more large scale plants than we have, does not change that statement. We have not felt the same compelling reason to plunge headlong into nuclear power construction and our policy has been to carry out a broad scale development of all the basic reactor types and to develop deliberately broadly based industrial experience in these types before we locked in our wide scale applications to a particular type which might not be the best one for the long pull.

Export Market

The major immediate goal of private industry is to get into the export market. There is no question that European nations will be importing nuclear components and/or entire plants very soon, and it is felt that we should be able to supply this demand. Building reactors for others who need them *now* will give us the experience we need to design and build the reactors we shall need for ourselves *later*. The felt need to supply this immediate European market is giving considerable drive to our own developmental program which we did not feel when we surveyed the domestic field only. Also, there is a strongly held feeling, containing rational and irrational overtones, that it is good foreign policy to maintain our lead as the major nuclear power in industrial applications as well as in weapons.

In the immediate future, we may expect to see a stepped up activity in the nuclear power field. More private capital will be raised and spent, but the major funds will come from the federal government. The government will continue its basic philosophy of exploring all promising reactor types and of developing new techniques, particularly high temperature techniques required for more efficiency. Government construction of large scale reactors may increase, but government-industry cooperation in reactor building will also increase.

Recently, there has been considerable talk of using the heat from the reactor simply as heat rather than as electrical power. This talk is stimulated by the knowledge that 80% of industrial power is used in the form of heat for space heating or process heating. Sweden is quite interested in this approach and is constructing several reactors of 100 megawatts heat capacity to supply 120° steam for space heating to whole communities.

Nuclear-Powered Locomotion

Nuclear power can be applied to locomotion, but because of the nature of the chain reaction and the necessity for heavy shielding, nuclear power is not applicable to small units such as automobiles, trucks or tractors. Considerable effort has been given to aircraft propulsion, and we may someday see the engineering problems mastered for this application. Nuclear power for rockets and for space vehicles is also under study. The greatest success in nuclear propulsion has been in submarine power plants. Naturally, there has been interest in surface vessel propulsion. I think it is safe to predict that all major surface vessels will one day be powered by fissioning nuclei.

Most of what I have said so far has applied chiefly to highly industrialized nations. Let us turn now to a few observations with reference to the less highly industrialized members of the world family of nations.

The economics and political facts of life have tempered our easy optimism about the benefits of atomic energy for all parts of the globe. We have found that even the highly industrialized nations are unable or barely able to construct commercially competitive plants in their own countries. It is probably unrealistic to expect nations with very limited man power and technical resources to cope immediately with this new technology. We can export reactors, in package deals, but for industrial power uses this will prove uneconomical unless there is a going industry to absorb large blocks of power.

Underdeveloped Nations

The greatest help to the underdeveloped nations in the nuclear area is coming not from nuclear power but from the applications of radiation and radioactive tracer isotopes to the problems of medicine, agriculture, prevention of food spoilage, the development of new plant species, and a myriad of other small applications which together add up to a great deal.

We can aid these countries by the intelligent support of research centers in many scientific fields including the applications of radioactivity. This will aid them to solve some of their own immediate practical problems and help them to prepare to solve others later. We cannot overlook the fact also that some highly gifted individuals in every country will want to look beyond the practical problems of today in order to enter the frontier regions of scholarship and to develop a common kinship with the leaders of thought throughout the world. The furnishing of nuclear facilities somewhat beyond a country's capabilities may sometimes be justified from this point of view.

We can supply additional aid by sending more of our scientists and technicians to these countries to lecture, to teach, and to help. We cannot overlook the fact that the Russians have created an entire Technological Institute in Bombay, complete with buildings and Russian staff trained to lecture in Hindu, or that they are giving outright a complete Institute of Technology to Burma.

In 1957, Russia sent over 2,000 technicians to 19 countries, 400 to India alone, to work on steel, petroleum, coal and mining projects. Last year they brought more than 2,000 trainees to Communist countries for technical training and Soviet scientists are on tour lecturing in the Middle East and other parts of Asia.

Scientists and Technicians "For Export"

One element that is often overlooked in our discussion of whether or not we have a real shortage of scientists and engineers is our inability to export scientists and technicians in any significant numbers. In our increased export of technicians we shall probably have to plan more systematically for the training of a group of scientifically proficient individuals who also are literate in the language, the geography, the history, the politics, and the ideals of many countries of the world.

We should make a direct attack on our differences of opinion with the Soviets by a more intimate contact.... We should get many Russian, Polish, Czechoslovakian, East German, and Bulgarian students or postgraduate students into our universities, hospitals, and research institutes, and we should send many of our students to Russia. This will require some changes in our official provisions for alien travel within the United States. We are beginning to get applications from Yugoslavian, Polish, and Czechoslovakian students for extra training on the campus of the University of California, and it is taking some hard work to convince the authorities that these individuals can be allowed to come to Berkeley without constant surveillance which, of course, we refuse to provide.

The purpose of these visits would not be to engage in debate as to which political system is better, but merely to replace faulty information with true, and perhaps even to get across the idea that deep down inside the other fellow doesn't really wish to blow one to smithereens. Let me reiterate that we should aim for a really massive exchange of visitors, students and trainees—numbering in the tens of thousands at least. Such a program will require funds and attention to some practical details such as the immediate development of a group of Americans with proficiency in the Russian language. I think the Russians would agree to a program of this type. And I am convinced that the presence of thousands of intelligent Russians with some detailed personal knowledge of America and the Western World in general would have a steady influence for the better on the official policies of the Soviet Union.

their authors' sense of impending, unescapable doom."

Because of the super-acceleration of political and technological developments, many of which facilitate control, possibly enslavement, of men, the anti-Utopian writers feel they are dealing with present problems and present dangers which affect them and their readers with an immediacy that never existed before.

"That is why their works reflect the kind of disillusion and fear for which there would have been no material basis in another age."

Professor Weber concludes, "It is not surprising that an age which has grown disillusioned with the omnipotence of human reason and the results of Utopian presumptions should produce anti-Utopians—men aware that dreams, if pressed too far, lead either to nightmares or to frustrated waking."

I assigned Jim Hart responsibility for gathering opinions on the Special Report on Public Relations and preparing a report to me before the end of the week so that I may respond to Kerr's requests for comments by September 5th.

We also talked about the appointment of a faculty representative to the ASUC and let everyone know that Sherriffs will be talking to Armin Rappaport to sound him out on his viewpoints on student affairs. I passed on Frank Kidner's suggestion that we consult the Committee on Committees for suggestions of members for a new committee to explore close liaison between the ASUC and faculty.

Gene Lee announced the list of proposed lecturers for 1958-59 and informed us that, given the President's approval, these lectures will be called the McEnerney Lectures. The first lecture on October 1st will be presented by Alistair Cooke on "The Pains and Pleasures of Anglo-American Understanding". The rest of the series looks equally interesting.

At 2:30 p.m. I met with Dr. Choh Hao Li to persuade him that the decision to move his Hormone Research Laboratory is made; it has already gone through the Regents and is out of the local administration's hands. Li is very upset about the way that this matter has been handled. I agreed that it was very unfortunate and discourteous that this action went through the Regents last June and he has only just been notified of it. He stated that he will only move to San Francisco if the conditions are right; otherwise, he will accept other offers outside of the University of California. I asked him to be as gracious as possible in naming his conditions and advised him that for his own good he should move. Li asked me to find out with whom he might talk about this matter as he has already turned down the offer from John Saunders (CCO at San Francisco).

After my meeting with Li I immediately called Lincoln Constance, who suggested that I phone Saunders to get him to invite Li again to the San Francisco Medical School. I soon discovered that Saunders is out of town but Harry Wellman will be glad to see Li. When I called Li and informed him of this, he agreed to make an appointment with Wellman and try to settle the matter. I then called Lincoln Constance again to let him know about this arrangement.

Nathan Lasher, an old friend of mine from UCLA days (his name was then Loshakoff), brought his son, Richard, for a visit at 3:30 p.m. Richard is 18 and about to start his second year of college at Los Angeles City College. He hopes to attend Berkeley after that and major in nuclear physics. Nathan asked me to speak with him about the field and about our program at Berkeley. It was an enjoyable visit. Richard seems a bright young man.

Before leaving my office, I signed a letter to Donald W. MacKinnon (Chairman of the Committee on Committees) regarding the committee to study how to foster better relations between the ASUC and faculty.

Wednesday, August 27, 1958

First thing in the morning I met with Kitty Malloy and Anna Carol Dudley to instruct them on procedures during my absence. I explained that Jim Hart is not officially in charge since my visit to Geneva is only for ten days. However, normally if I were gone for a longer period of time, I would

designate a vice chancellor to be in charge. I asked them to gather everything together, along with drafts of suggested replies, and take them to my home in Lafayette on Thursday evening, September 11th, so that I might look them over immediately on my return. Any requests concerning budget or promotions that require immediate action should be referred to Ed Strong.

I then went up to the Rad Lab to attend the Associate Directors Meeting from 9:30 a.m. until 11 a.m.

After the meeting, I went to the First Aid Office to have my small pox vaccination checked.

I went to my Rad Lab office and talked briefly with Al Ghiorso on the phone. Then a security officer came up from the campus to take my fingerprints for campus security clearance. Dick Hoff and I ate lunch together in my office.

Returning to my Dwinelle Hall office at around 1 p.m., I dictated a number of letters to Anna Carol Dudley. I wrote 11 identical letters to commanding officers of local military and aircraft installations requesting their cooperation in prohibiting low-flying planes ("buzzing") over the Memorial Stadium on football days.

I also responded to the June 27th letter from Academician Nesmeyanov (President of the Academy of Sciences of the USSR), accepting his invitation to the December VIII Mendeleev Conference on General and Applied Chemistry in Moscow. However, I felt that it necessary to add the qualification that given my new duties as Chancellor, my plans might have to change. I also wrote him that I would like to present a paper at the Conference and asked for more information on requirement for papers (i.e. length).

As requested by C.W. Brown's memorandum of August 20th, I formally requested that President Kerr support the naming of the new Art and Anthropology Building after Alfred L. Kroeber. In the past it has been the policy of the Regents not to name a building after a living person unless that person is a substantial donor to the project. I believe that this policy should be changed to allow us to honor the names of great living scholars and presented that argument to Kerr. The new building should be dedicated at a public ceremony sometime around the first of next year.

Another memorandum was sent to Vice-President Harry Wellman recommending that the plans for moving the switchboards and telephone operators from the basement to the third floor of Sproul Hall be implemented. The exchange girls are quartered under crowded conditions with inadequate ventilation and lighting, and the present program presents our first opportunity in many years to provide adequate space and improvement of working conditions.

Alan Searcy has declined the offer to serve as my other faculty assistant. Bill Fretter of the Department of Physics has been suggested as another good candidate for that job. I checked with Alex Sherriffs, Ed Strong, Jim Hart, Clark Kerr and Lincoln Constance and they all agreed that Fretter would be an excellent choice.

At 2:45 p.m. Alex Sherriffs and I met with Robert Calvert in my office to talk about the Bureau of Occupations. We agreed that the functions of the Bureau of Occupations need more publicity. In particular, faculty need to be reminded of the pressing need for more part-time student jobs. Alex will prepare an article for the Daily Cal emphasizing this need.

Charles Jelavich (History Department, also the Director of the Center for Slavic Studies) came in to acquaint me with the problems of the Center. At one time the Berkeley campus was in the first rank in this field, on an equal with Harvard and Columbia. Foundation support for Slavic Studies has dropped off (for a number of reasons which we discussed in detail) and we have fallen back to the second rank. We need to develop an aggressive program for regaining lost foundation support, particularly for use in financing research fellowships and visiting professorships. I emphasized my particular interest in supporting the Center and asked Jelavich to prepare a brief memorandum with definite recommendations and to work closely with Jim Hart on this.

We also talked about the problem of admission of Russian graduate students. Graduate Dean Morris Stewart has made exceptions in admitting Russian students this year but has served notice that next year they will have to meet the same entrance requirements as other students. I think that this is an unwise decision. At the proper time we should try to persuade Stewart that the importance of having Russian students at the University is so great that it completely overrides the matter of routine rules and, furthermore, that such an exception could not possibly have any effect on the standing of our Graduate School in the country.

At 3:45 p.m. Bill Fretter and I met to talk about the possibility of his working with me as faculty assistant. He is very interested in the assignment but wishes to clear it with Carl Helmholz, chairman of his department. I called Helmholz, who said he would talk with Fretter and call me back. Later in the afternoon he called back and gave his consent.

Late in the afternoon I received a call from Davies of the University of British Columbia at Vancouver. He gave Errol Mauchlan an excellent recommendation; this was the final reference for which we have been waiting.

I let my staff know that I have decided not to employ Vic Schmidt on my immediate staff and asked Kitty Malloy and Gene Lee to study Vic's background and try to think of other opportunities for him at the University.

Eleanor Davisson, Ernest Lawrence's secretary, called at about 11:30 p.m. with the sad news that Ernest died at 11 p.m. at Stanford University Hospital.

Thursday, August 28, 1958

I am very saddened by Ernest Lawrence's death. This is a tremendous loss to the Laboratory and to science, as well as the loss of a personal friend.

I went directly to the Rad Lab this morning and spent about an hour in the Director's Office conferring with staff about the release of an announcement to Laboratory staff and plans for a memorial service, etc.

I then went to my own office at the Rad Lab to work with Dan Wilkes and Iz Perlman on a personal statement regarding Ernest Lawrence's contributions to science, etc.

About 11:15 a.m. I went down to campus to keep an appointment with Allen Blaisdell set up some time ago. Alex Sherriffs joined us in a discussion about the relationship between the International House and the University

(which has been a subject of debate for some time now). A committee was appointed in April by the Board of Directors of the International House to study the long-term financial needs of I House and its continuing budgetary relationship to the University and to report back with recommendations by no later than December of this year.

Shortly after noon I returned to my Rad Lab office to have lunch with Iz Perlman and Bernie Harvey. We talked about various candidates for the directorship of the Radiation Laboratory.

At 1:45 p.m. I went down to campus again, pressed by the need to take care of a number of things before my departure for Geneva this weekend. I approved the Berkeley campus hosting a conference of the University Film Producers Association in 1960. Anna Carol Dudley today submitted all (a great many) necessary documents for Department of Defense security clearance for me.

I forwarded a report on the allegations against the Southern Seas (which Greg Engelhard has interrupted his vacation to prepare) to Clark Kerr. Engelhard's investigation indicates that the procedures agreed upon in the March 18, 1958 agreement between California and UCLA were being followed when the interruption by Dickerson occurred. I recommended that no public announcement of the investigation should be made.

At 2:40 p.m. I called Errol Mauchlan and offered him the position of budget officer which I described in our interview some weeks ago. He is inclined to accept the offer but wants to discuss it further with Donovan Smith (who is on vacation and unavailable). I asked him to give Gene Lee his answer in my absence.

When I got home, Helen told me that Pete, Lynne, Dave and Steve all survived a visit to their dentist, Dr. Norman Betaque, in Walnut Creek today.

Friday, August 29, 1958

At 9 a.m. I met with Bill Prosser (Dean of the Law School), Ed Strong and Gene Lee to discuss the Law School budget. Prosser has requested additional clerical staff (not included in his 1958-59 budget) to handle the increase in the number of applications for admission as well as the needs of a larger enrollment. We listened to his persuasive arguments for supporting a larger staff and promised to study the problem further.

Alex Sherriffs dropped in with a few questions about how to handle things during my absence in Geneva. Among other things, he wanted to know how to handle committing funds in my absence. I told him (and asked Kitty to pass it on to the rest of the staff) that I would expect them to use their own good judgement, either following traditional patterns or getting a decision from the Chancellor's Cabinet. I also decided that Jim Hart should chair the first meeting of the Cabinet during my absence and Ed Strong, the second.

At 11:30 a.m. Luis Alvarez called to discuss the directorship of the Radiation Laboratory. He has read this morning's article in the San Francisco Examiner, "Five Top List to Succeed Lawrence at UC Atom Lab". The article suggests that the most likely candidates for the Director job are: Edward Teller, Edwin McMillan, Donald Cooksey, Luis Alvarez and I. (Regarding me, the article said,

"(Seaborg) is hardly likely to want to take on the added burden as top man at the radiation laboratory (referring to recent appointments as chancellor). However, he cannot be discounted as a possible successor to Lawrence."

To my surprise, Alvarez supports Ed McMillan for the job.

At noon I went up to the Rad Lab to have lunch with Iz Perlman and Al Ghiorso. The THINK photographer accompanied me. He will be following me around for the rest of the day taking photographs for the article in the IBM house magazine.

I also had a conversation with Ed McMillan regarding the future of the Radiation Laboratory and its relations with Livermore. I asked Ed to serve as Acting Director of the Lab. If McMillan ends up being our choice for Director, it would be an advantage to present his appointment to the Regents at their September meeting.

When I returned to my campus office, I signed a number of letters; among them were letters appointing members of the Intercollegiate Athletic Advisory Board: faculty members W. N. Keeler, F. L. Kidner (ex-officio), C. L. Nordly, H. E. Stone; students William A. Stricklin, Robert C. Chiappone, Roger L. Gregg, Richard G. King; and alumni Stanley Barnes, O. Cort Majors, H. F. Selvin; and alumni alternates Benjamin Lom, J. Eugene McAteer, and Merritt E. Van Sandt.

Frank Kidner called during the afternoon. I thanked him for his comments on the Report of the Special University Public Relations Committee and asked him for his feedback on the report prepared by Greg Engelhard regarding the Southern Seas matter. He agreed that Engelhard was very conscientious and had done an excellent job. I asked him to "carry the ball" if any more problems come up, keeping in close touch with Jack Oswald. He said that so far he likes his new job fine.

I then signed a memorandum to Clark Kerr (which was drafted by Jim Hart and incorporated some of my ideas as well as Frank Kidner's insightful remarks) on the report on public relations which resulted from the Arrowhead Conference. On the whole, I supported the conclusions of the report. My primary objections are to 1) the establishment of a statewide office which I believe runs counter to newspapers' desire to dateline stories from their real point of origin, and 2) the proposal to designate outstanding faculty members whose teaching loads would be reduced to permit extensive off campus speaking. (I noted that might well irritate faculty members by appearing to discriminate among professors and might imply also administrative direction of professors into areas of activity not basic to their research and teaching.)

At 4 p.m. I walked over to the University House to make an inspection of the building prior to our discussion of its renovation. Also touring the house were Regents Jesse Steinhart and Donald McLaughlin, William Wurster (Dean of the College of Architecture), Kay Kerr and Louis A. DeMonte (Office of Architects and Engineers). The old President's House will need extensive remodeling to serve its new intended purpose.

At 5:45 p.m. the Committee on Campus Planning met in the Chancellor's Office conference room in Dwinelle Hall. Present were: members Regent McLaughlin (who serves as chairman), Dean Wurster and I, and Louis DeMonte and his

colleague from A & E Norman Dyer, and C.W. Brown. Among other things, the Committee recommended the allocation of a minimum of $50,000 and a maximum of $95,000 to repair and refurbish University House. Copies of the Long-Range Development Plan for the Berkeley campus were distributed.

Saturday, August 30, 1958

At 10 a.m. I attended the memorial service for Ernest Lawrence at the First Congregational Church in Berkeley. Clark Kerr spoke; he summarized Ernest's outstanding academic and scientific career, emphasizing Ernest's interest in assuring

> "that the knowledge he did so much to acquire would not be used for war. That effort holds out great hope to mankind that some agreements can be reached so that there may yet be 'peace on earth'".

I think Clark spoke for many of us when he concluded his remarks,

> "...we declare our great respect for him as a distinguished member of our distinguished faculty, as a pioneer of the new scientific revolution, as an extraordinary leader of men, as a giant of our time and of history, and as a friend."

I made a statement to the press that the Radiation Laboratory's participation in the Second Geneva Conference on Peaceful Uses of Atomic Energy was a "tribute to Dr. Lawrence in a real sense".

> "These works for peace were the real joy of Dr. Lawrence, who was a major participant in the first Geneva Atoms for Peace Conference."

After the memorial service I spoke briefly with Clark Kerr about the selection of the new director for the Laboratory. He suggested that we present Ed McMillan to the Regents for their approval at the September meeting. I insisted on the need to work out the relationship between the Berkeley laboratory and the Livermore laboratory. Clark said that a committee arrangement has been suggested. However, I have such strong reservations about the effectiveness of such an arrangement that I convinced Clark to "go slow" and not make any moves in that direction at this time. A suggestion has been made to name the Laboratory after Lawrence and to hold a symposium in this connection at the time of the November Regents Meeting in Berkeley. If we were to do this, we would need money for this purpose approved at the September Regents Meeting. I agreed to give this serious consideration.

I departed San Francisco bound for Geneva at 1 p.m. on PanAmerican Flight #120. This was a change from my original plan to fly TWA because the TWA flight was delayed two to three hours and I would have missed my connection in London.

Sunday, August 31, 1958

Ed Teller and I took advantage of the opportunity provided us by sharing the same flight to London to confer, just west of and over England, about the relationship between the Berkeley laboratory and the Livermore laboratory. He is in favor of renaming the Berkeley laboratory "Ernest O. Lawrence Radiation

OAKLAND TRIBUNE, Wednesday, August 29, 1958

Tribune photo

IN NEW JOB—Prof. Frank L. Kidner (left) newly-named faculty athletic representative at the University of California confers with Chancellor Glenn T. Seaborg (center) and Paul T. (Bud) Hastings, executive director of the ASUC.

Professor Kidner Named U.C. Faculty Representative

By ED SCHOENFELD

One of the key men in the University of California's faculty is now officially allied with intercollegiate athletics on the Berkeley campus—thanks to a significant move made by Chancellor Glenn T. Seaborg.

Prof. Frank L. Kidner is the institution's new faculty athletic representative, appointed by Seaborg to fill the post he held for several years.

Kidner is an influential faculty leader, being vice chairman of the northern section of the U.C. Academic Senate. More than 1,200 faculty members from the Berkeley, San Francisco, Davis and Mt. Hamilton campuses compose the Senate.

At the Berkeley institution, Kidner is professor of economics and director of the bureau of business and economic research.

In accepting his new role, Kidner expressed great confidence in the future of intercollegiate athletics, especially now that the Athletic Association of Universities (California, USC, UCLA and Washington) has been formed.

"All of the participating institutions confidently expect the new association from July 1, 1959, forward will provide a sportsmanlike arrangement for the conduct of intercollegiate athletics," Kidner declared.

The professor said he shares with most of his colleagues the view that intercollegiate athletics, as well as intramural athletics, constitute an important part of the life of the university students.

Kidner said the faculty looks upon athletes as students—just like any other students.

He did not speak of hired gladiators or free loaders.

"I have had some very good students and some not so good among the athletes in my classrooms," Kidner said. "The same has been true among non-athletic students."

Although he was not an athlete in his undergraduate days at U.C., Kidner said he is an avid spectator, particularly at football and baseball games.

"I wasn't built to be a football player," he remarked.

Kidner stands 5-feet 4 inches.

Actually, he didn't have much spare time to compete in athletics, working his way through school as a laborer and cook, among other jobs.

Kidner realizes he has a big pair of shoes to fill.

Chancellor Seaborg won great respect and praise from Pacific Coast Conference officials and newsmen for his actions as faculty representative.

He stepped into the job in midst of the PCC mess. As press spokesman at the numerous meetings Chancellor Seaborg handled the problems with considerable tact.

And, at the outset some wondered if he, as a Nobel Prize-winning scientist, wasn't misplaced in the spot.

Cal Gets First Ever Out-of-State Grid Whiz

Here's something I've been aching to write since the Sport Shop doors were first opened in the Fall of 1945:

California has landed an outstanding football player from out of the state.

True, out-of-staters have played on Cal football teams but they were entirely unknown before they entered school.

In fact, I doubt that Cal ever before has welcomed a prep whiz from beyond the borders of our state.

Strictly between us, the lad is Bob Wills, a 6-1, 184-pound halfback from Ishpeming, Mich. He apparently has everything. Speed? He was a 9.8, 21.6 sprinter on the Ishpeming track team. Agile? No finer cager ever came out of the Upper Peninsula. Grades? A—, sir. Touchdowns? Thirty-three in his three-year career. Moreover, he's a southpaw.

Then how did he ever escape from Michigan?

It wasn't easy, customers. Bob not only broke a fine high school romance but also the heart of Michigan State's Duffy Daugherty.

How did Cal ever land the fellow since the Big Ten considers ours as anything but a proper football climate?

Cal's Standards Impress Mother

Well, it just happens that his mother, Evelyn Wills, had always wanted to live in Northern California. Her interest was fanned by relatives in Modesto. In letters they had often chided her with "Why do you stay in Michigan and freeze in Winter when you could live in California?"

Her son, supposedly the property of Michigan State, visited the Modesto relatives this summer, and he was promptly sold on California as a place to live. But more than climate, Mrs. Wills wanted Bob to receive the best education possible. Even before Bob had visited Modesto, she had done some checking up. "I've talked with some well educated people I know," she told a friend of mine, "and I found out that the Big Ten schools just aren't in it with the University of California scholastically." Or words to that effect.

Bob and his 42-year-old father, who's also "Bob," were loading up their 1957 Pontiac today preparatory for departure tomorrow. They'll be here next weekend—unless Daugherty's state police pals apprehend them at the Michigan border.

Duffy Still Trying

California alumni now are looking for jobs for Papa Wills and Evelyn. If you can help let me know. Wills has worked both as a mechanic and driller. Evelyn isn't particular. Since she has no other children to take care of, she'd like some sort of a job to help young Bob through Cal.

Daugherty has been calling Evelyn about every day for the past two weeks, pleaded with her to change her mind.

"You really don't need Bob," Evelyn kept telling him. "Why, Mr. Daugherty, you already have more players than you can possibly use."

But Duffy never gave up. One of his assistants lives in nearby Marquette. He's dropped in several times the past month to paint the glories of Spartan football, tell how the great game is utterly unappreciated in upper UC echelons.

California coaches first heard of Wills' interest last winter when he wrote at the behest of his mother, a letter inquiring about his chances of admittance.

When Johnny Ralston, a Cal assistant coach, returned to Michigan this summer to visit his mother, Gwen Ralston, a teacher in Stephens, and his grandparents in Norway, he was accused on all sides of stealing the Upper Peninsula's best-ever athlete.

Johnny did motor over to Ishpeming to call on the Willses. A nobody in Michigan he had enrolled at California and, since the platoon system then gave little guys a chance, he had known the thrill of playing in the Rose Bowl. He was all set to do a selling job.

Ishpeming Has Done Better by Cal

But right away Bob, a hadsome dark-haired 18-year-old, held up his hand. "You don't have to sell me on California," he said. "Mother already has done that. And after she and I visited Berkeley recently, I've been as enthusiastic over Cal as she. Don't worry. Nothing can stop us from going to the Coast. Dad had rather hoped I'd go to Michigan State, but he's convinced now that I've a better [illegible]"

Before visiting the Willses, Ralston had discussed Bob [illegible] 10 high school coaches. And everyone had told him they'd never seen anything like Wills before in the Upper Peninsula.

All mentioned that he was a terrific basketball prospect but they agreed it would be better for him to concentrate on football and track at Cal since the seasons don't overlap. Actually, the kid is good at anything he tries. He took up golf this summer, and soon was shooting in the low 80s. Moreover, he's regarded as a baseball natural but passed up the sport in high school since it conflicted with track.

Good as Bob is, Ishpeming has made still a greater contribution to the UC. You see, Chancellor Glenn T. Seaborg was born (1912) and reared (partially) in the little mining town. Seaborg's father also was born in Ishpeming.

The Daily Californian

MONARCH OF THE COLLEGE DAILIES

Berkeley, California, Friday, August 29, 1958

UC scientist to enter UN atom energy group

University of California scientists, from the Radiation Laboratory, Livermore and Berkeley, and the Los Alamos Scientific Laboratory in New Mexico, have been called upon by the Federal government to make a major contribution to the American showing at the United Nations Second International Conference on Peaceful Uses of Atomic Energy. The Conference is scheduled from September 1 to 13 for Geneva, Switzerland.

Some 113 scientists and technicians from the University laboratories, which represent an important segment of the nation's resources in nuclear brainpower, will take part at the request of the Atomic Energy Commission in America's effort to demonstrate her preeminence in using the atom for peaceful purposes. The contributions of the University scientists are completely financed by the Federal government.

University scientists will present scientific papers in a wide range of fields of atomic research, and they will operate exhibits of scientific equipment.

The Berkeley and Livermore contingents to the Conference will be led by Glenn T. Seaborg, Nobel Laureate and Chancellor of the Berkeley campus, and Edward Teller, Director of the Livermore Laboratory and an important contributor to the achievement of the release of thermonuclear energy. Each of the scientists will deliver lectures, Seaborg on "Recent developments in the field of transplutonium elements," and Teller on "Peaceful uses of fusion."

In addition to invited papers, Berkeley and Livermore scientists will contribute 14 other written papers to the Conference.

Hugh Bradner, physicist, Berkeley, is technical coordinator of the Berkeley and Livermore Radiation Laboratory contributions.

Twelve exhibits from the Radiation Laboratory, Berkeley and Livermore, and seven from Los Alamos are included in the American displays.

Six exhibits from the Radiation Laboratory and three from Los Alamos are in the huge display of the American effort to achieve controlled release of energy from the fusion of hydrogen nuclei. The Radiation Laboratory and Los Alamos, together with Princeton University are the major sites of American work in this field.

The Radiation Laboratory exhibits include four basic approaches to the problem of heating and containing a plasma (a gas of atomic nuclei and electrons in which, if a high enough temperature were attained, fusion and the release of energy could take place) in a magnetic bottle.

The four approaches are the pinch, the magnetic mirror machine, the astron, and the ion magnetron.

There are three pinch machines from the Radiation Laboratory. One is a linear pinch, historically one of the oldest of these devices, and the others are the tubular pinch and the homopolar variations. In all three the principle is the same but the techniques for achieving the pinch vary.

The magnetic mirror machine is a containment geometry consisting of an externally applied magnetic field, while the astron uses a "cylinder" of high speed electrons to contain the plasma, and the ion magnetron uses a combination of electric and magnetic fields for this purpose.

The Los Alamos fusion machines include the perhapsatron S-4, scylla, and a plasma accelerator machine known as P.A.M.

In addition to the Project Sherwood exhibits, Radiation Laboratory exhibits will include the following subjects: the production of transuranium elements, antimatter and the detection of antimatter particles, the catalyzed nuclear reaction or "cold fusion," the data analysis of bubble chamber tracks; a radioisotopes detector for locating thyroid tumors; the use of radioisotopes in studying the mechanism of red cell production and hemoglobin formation; and an animated representation of photosynthesis.

Los Alamos exhibits in addition to Project Sherwood will include a helium-3 cryostat, a device for studying matter at low temperature; a computer exhibit, a demonstration of how the free neutrino was observed, and a new whole-body radiation counter recently developed at Los Alamos.

Wherever possible, the exhibits of the laboratories will be actually in operation, and where possible actual research will be carried on.

Fifty-nine faculty members of the University of California are members of the Academy, constituting nearly 10 percent of the membership. The University's delegation in the Academy is exceeded in number only by Harvard, with 61 members. The positions of Harvard and the University of California have remained the same for more than a quarter of a century, with the California institution having gained consistently in number over the years.

The Academy is a private nonprofit corporation established during the Civil War by President Lincoln for the furtherance of science and to advise the Federal government upon request in scientific and technical matters.

Laboratory" and the Livermore lab "EOL Livermore Laboratory". He also supports the idea of a symposium at the time of the November Regents Meeting in Berkeley. He suggested that the relationship between the two laboratories remain much like it is at present, reporting to and through the Chancellor. He thinks it would be a good idea if the Chancellor met once a month with a group consisting of two people from each laboratory (i.e. McMillan, Alvarez, Duane Sewell and himself).

I assured him that I have no objection to his making public statements more freely than has been feasible in the past. However, I implied that we might sometimes exchange views beforehand when these seem to be at variance. More broadly, I told him that I won't discourage public statements as much as has been done in the past at the Rad Lab. In some instances, of course, we should check with the Atomic Energy Commission. Teller let me know that he may take a strong public stand against the cessation of tests.

We also talked about the problems with the Nuclear Engineering Department. He agreed that we ought to try to interest Alvin Weinberg in chairing the department. In order of preference, he then suggested Manson Benedict (MIT), Tom Pigford (General Atomic), Rogers MacCullough (Oak Ridge) or Felix Adler (University of Illinois). Teller thinks that competence in chemistry and metallurgy are of particular importance to the department.

We discussed the Internuclear Company design for a high flux reactor. He reported that Al Kirschbaum and Ted Merkle are not enthusiastic about the idea. Ken Street has apparently not decided on this issue and plans to talk with me. I told him that I think we should build an inexpensive one ($5-20 million) at Livermore and that I would still support the expensive ($75-100 million) Mighty Mouse at Argonne.

We arrived at the London airport at 5:25 p.m. and went through customs there in a great rush. At 5:55 p.m. my flight on Swiss Air (#101) departed for Geneva, arriving at approximately 10:50 p.m. I checked into the DuRhone Hotel and went immediately to bed.

Oakland Tribune, Sunday, Aug. 31, 1958

U.C. Atom Greats To Star at Geneva

University of California scientists attending the International Atoms for Peace Conference, which opens tomorrow in Geneva, are expected to steal the limelight with a group of exciting new reports on methods of taming the incredible fury of the H-bomb for peaceful uses.

Among the local scientists attending the conference, which will include delegates from 70 nations, will be Dr. Glenn T. Seaborg, new Berkeley Chancellor and famous Nobel Prize winning atomic chemist, and Dr. Edward Teller, director of the Livermore Radiation Laboratory and reputed "father" of the H-bomb.

The U.C. delegation will be headed by Dr. Hugh Bradner, Berkeley Radiation Laboratory physicist.

MAJOR INTEREST

While the two-week conference will hear several thousand reports on all aspects of atomic energy—more than 700 of which will be given by U.S. scientists—the greatest interest has already been shown in new developments on achieving sustained fusion reactions.

For, according to most international observers, in this field exists the most promising resource known which will be capable of solving a great share of mankind's most depressing economic and political ills.

Chief among the scientific centers throughout the world where thermonuclear research for peaceful purposes is going forward are the U.C.-operated laboratories of the U.S. Atomic Energy Commission in Berkeley, Livermore and at Los Alamos, N.M.

NEW TECHNOLOGY

Achievements in these laboratories to date have so excited AEC officials that they recently reported to Congress that the "research of the past five years has resulted in the creation of a whole new technology."

The physical conditions necessary to achieve fusion have been defined, the report stated, and several promising methods of accomplishing self-sustained fusion have been formulated.

A model of the first fusion device for which calculations predict economical production of power in a large-scale reactor is among the U.C. contributions to the U.S. exhibit.

LIVERMORE FEAT

News dispatches from Geneva report the model of the device, called "Astron," was shown at a preview of the U.S. exhibit. It was deisgned by Dr. Nicholas Christofilos of the U.C. radiation laboratory at Livermore, who also is in Geneva.

UC DELEGATES—Dr. Hugh Bradner (top) heads the University of California delegation to atoms-for-peace conference at Geneva. Others are Dr. Glenn T. Seaborg (center) and Dr. Edward Teller.

It involves a revolutionary departure from earlier reactor designs and requires only a small amount of electricity. Experts said it would take at least several years before a large-scale model could be built.

A wall of electrons is created in the "Astron" to hold the tremendously hot hydrogen gas in place and prevent vaporization of the reactor. A weak magnetic field holds the electrons in place.

WEIRD 'GADGETS'

The U.C. research, conducted under the code name "Project Sherwood," involves a number of weird contraptions.

At Los Alamos, for example, a bevy of these machines go by such curious names as "Scylla," "Perhapsatron S-4" and "PAM."

All of these machines, designed to produce the first sparks of a laboratory-controlled hydrogen reaction—the identical glow of the sun—will be exhibited during the Geneva conference.

In fact several members of the AEC have claimed that American scientists are on the verge of producing the formula for a fusion reactor that will operate on the almost unlimited resources of ocean's stores of heavy hydrogen.

GREAT DAY AHEAD

When that day comes, this is what it will mean:

1—Gross fuel costs for electric power plants will be shaved to 3½-thousandths of a mill per kilowatt-hour, which compares with California's fossil-fuel costs today of about 4 mills, or four-tenths of a cent per kilowatt hour.

2—There is an estimated 500 million million tons of reasonably accessible deuterium in the surface waters of the world, which could produce 1,000 million million million kilowatt years of electric power. America's current annual electric power consumption is about 72,000,000 kilowatt years.

3—A hydrogen reaction plant cannot explode, and runaway or other risk dangers are about the same as that for present-day fuel-oil electric generating plants.

4—Hydrogen reactors will not produce long-lived radioactive byproducts, such as strontium-90.

5—Electricity can be obtained directly from a fusion reactor without the high efficiency loss that occurs when a liquid coolant is used to transfer heat energy to huge turboelectric generators from the reactor core in the form of steam.

Other U.C. scientists attending the Geneva conference are: Dr. C. M. Van Atta, director of the Sherwood Project; Dr. Cornelius Tobias, Dr. Geoffrey Chew and Dr. Stanley Thompson of Berkeley; Drs. Jacob Benveniste, Sidney Fernbach, Gerry Johnson, Harry Reynolds, Sterling A. Colgate, Richard F. Post, Charles Wharton and Harold Brown, all of Livermore.

Monday, September 1, 1958 - Geneva

This morning at 10:30 a.m. I attended the opening session of the Second International Conference on the Peaceful Uses of Atomic Energy at the Palais des Nations. The speakers were the mayor of Geneva, Dag Hammarskjold, Francis Perrin (the President of the Conference) and Sterling Cole (the head of the International Atomic Energy Agency in Vienna).

At 1 p.m. I met Dick Wolfgang who told me that the Yale HILAC is still not running too well; the beam has inhomogenous energy. They are working on Pu plus N or O, using catcher foils and placing them in the counter. They are hoping for stripping reactions.

Joe Katz and I got together at about 2 p.m. He told me that he has told Peter Wait that we will send a manuscript of our monograph on the chemistry of the actinide elements (approximately 40,000 words) to Metheun in England next spring. We will write it by groups, i.e. metals, oxides, etc.

At 3 p.m. I attended the session on "The Future of Nuclear Power" and heard talks by Vasily S. Emelyanov (USSR) and Sir William Strath (U.K.) who spoke on the programs for development of nuclear power in their respective countries.

After the talks, I bumped into John Williams who told me that the House cut appropriations from $37 million to $15 million in the AEC bill which includes our funding.

I saw a copy of my book, Transuranium Elements, at the U.S. book exhibit today. There were commercial copies for sale for $7.00 as well as the presentation set (which includes this book) on display.

At 10 p.m. I attended the United Nations reception where I met Kai Siegbahn and had the opportunity to discuss the 102 problem briefly. He said that they will try to repeat the experiment this fall and probably won't and shouldn't do anything before then. I explained the poor statistics of their alphas between 8-9 MeV. He thought they should have understood the alpha systematics better. Kai had no suggestions about what we should do about the naming; he told me that he has received a long letter from Tor Gerholm discussing this situation. I also saw Ivar Waller who was very concerned about this 102 matter and wants to see me later to discuss it. He said that Manne Siegbahn won't talk to him about it.

I talked with Manson Benedict about his recommendation for Head of the University of California Nuclear Engineering Department. Manson is not at all interested in moving from MIT himself; his department now has nine full professors and ninety-five graduate students. He suggested Alvin Weinberg, Tom Pigford or Bob Charpie (ORNL) as excellent men for the job who are probably not available. Possibly available might be Thomas Snyder, a physicist from General Electric in San Jose. He mentioned Rogers MacCullough as a good research man but lacking skills in handling people. Cliff Beck, a physicist from North Carolina State (on leave without plans to return), is currently stationed at the Atomic Energy Commission as head of the Reactor Hazard Evaluation staff and might be available after this assignment. Dave Herron (who succeeded Benedict at the AEC) is currently at the American Radiator and Standard Sanitary Company in Redwood City. He does not have a Ph.D. but only an M.S. However, Benedict says that he is a very effective organizer.

Tuesday, September 2, 1958 - Geneva

I visited both the U.S. and the USSR exhibits at the Palais this morning.

At about 1 p.m. I talked with Joe Katz and asked for his recommendations on a department head for UC's Nuclear Engineering Department. He suggested that I consider William Hawthorne of the University of Cambridge, Department of Engineering. Hawthorne, basically a physicist, has expertise in heat transfer, is a Fellow of the Royal Academy of Sciences and is probably under 50.

Per his request, I met again with John Williams about 2 p.m. Commissioner Willard F. Libby has withdrawn funds for the addition to the Chemistry Building (Building 70) pending the selection of my replacement as Director of the Rad Lab Chemistry Division. Happily, the money for the 90-Inch Cyclotron still stands. I also discussed the selection of Ed M. McMillan as Director of the Radiation Laboratory and the relationship between the Berkeley Laboratory and Livermore Laboratory.

In a later conversation with both John Williams and W. F. Libby, Libby expressed his concern that my replacement should be a Nobel Prize winner or a member of the National Academy of Sciences. He would like to have Ken Street join the Berkeley group in order to strengthen it. I told him we are placing Iz Perlman in charge of the Chemistry Division and Bob Thornton in charge of the Physics Division. Libby is also concerned about the possible selection of Ed McMillan as Director of the Radiation Laboratory. He feels that McMillan may be too relaxed. He also wants the Atomic Energy Commission to have some say about the selection. It will be necessary for him to take the matter up with the AEC Commissioners here in Geneva since I want to make the appointment very soon, hopefully by the September Regents Meeting. Regarding the relationship between the Radiation Laboratory and Livermore Laboratory, I told him that McMillan would not be in charge of Livermore and that the relationship between the Berkeley Radiation Laboratory and Livermore will have to be worked out. Libby also questioned the relationship with Los Alamos. He suggested that we prepare a list of 50-75 plans. The other suggestion he made was that we broaden the Chemistry program at the Rad Lab by bringing in someone in the tracer field.

In the evening I attended the United States reception which started at 6:30 p.m. at the Hotel des Bergues. After the reception Stan and I went to a nightclub featuring a rather risque girlie show.

Wednesday, September 3, 1958 - Geneva

In the morning I viewed a bit more of the U.S. exhibit at the Palais. UCRL exhibits relating to "Project Sherwood" (the American effort to achieve the controlled release of energy from the fusion of hydrogen nuclei) included demonstrations of four basic approaches to the problem of heating and containing plasma in a magnetic bottle. The four approaches represented were the pinch, the magnetic mirror machine, the astron and the ion magnetron. (There were three pinch machines: a linear pinch, a tubular pinch and the homopolar variation.)

SAN FRANCISCO CHRONICLE
September 2, 1958

Students Will Find Some Changes at UC

Registration of an expected 19,748 students will begin September 15 at the Berkeley campus of the University of California.

The incoming students will find there have been some changes made—in administration, in facilities and in costs.

There will be a new university president, Clark Kerr, and a new campus chancellor, chemist Glenn T. Seaborg. There will be a new university vice-president, agriculturist Harry R. Wellman, and two new vice-chancellors, philosopher Edward W. Strong and psychologist Alex C. Sheriffs.

The students will find two blocks south of the campus half built-up toward residence halls designed to hold 1696 students after completion by registration time next year.

They will find a four-story, half-million dollar anthropology and art building half completed near College avenue and Bancroft way, and a $1.5 million science and mathematics building half finished at Hearst Mining Circle.

They will find old buildings going down on two blocks west of Robert Gordon Sproul Hall, where a mammoth $11.6 million student center is to be built.

Just across from the west gate, the incoming UC students will find a $4 million State office building almost finished.

The students also will find the price of education has gone up a bit:

The incidental fee, up from $50 to $60; the nonresident fee, up from $150 to $200; late registration, $10 instead of $2; the compulsory student fee, $6 instead of $3.

Registration will take place September 15, 16 and 17.

There were also exhibits from the Rad Lab on the following subjects: the production of transuranium elements, antimatter and the detection of antimatter particles, the catalyzed nuclear reaction or "cold fusion", the data analysis of bubble chamber tracks; a radioisotopes detector for locating thyroid tumors; the use of radioisotopes in studying the mechanism of red cell production and hemoglobin formation; and an animated representation of photosynthesis.

Los Alamos exhibits, in addition to the Project Sherwood displays, included a helium-3 cryostat, a computer exhibit, a demonstration of how the free neutrino was observed and a new whole body radiation counter they recently developed.

This afternoon Stan Thompson and I met with Lennart Holm. Holm still thinks that their element 102 work is correct and he places great faith in Arthur Jaffey's analysis of the alpha particles counts at 8.5 MeV. They will repeat their experiments when the cyclotron at the Nobel Institute of Physics is fixed, probably around the end of the year. I suggested that after six months of failure to prove their results, which I predicted, they should admit their error. I also invited a member of the Swedish team to try to repeat their experiments at the HILAC at Berkeley and to participate in our experiments in the search for element 103. I tried to explain why they should not want us to retain their suggested name, "nobelium". He will discuss the whole problem with his co-workers. My conviction is that there is only one chance in 1,000 that they are right. Jaffey's analysis indicates a half-life of 14 minutes for their isotope.

In the evening I attended the General Dynamics buffet dinner where I met and spoke with a number of people.

Robert W. Wilson of Standard Oil (who is also a member of the GAC) asked me to suggest a recipient for the Marcellus Medal of the National Academy of Sciences. It has been given to non-NAS members and could be presented at the November NAS meeting in Berkeley. I recommended Clark Kerr.

Ivar Waller let me know that Emilio Segrè or possibly Segrè and Owen Chamberlain are being seriously considered for the Nobel Prize this year or next. He also referred to my nomination of Segrè. He hinted that Oreste Piccioni (he may have meant someone else) is unhappy with the nomination of Segrè and I assured him that this should not be taken too seriously.

Hannes Alfven joined Waller and me in our conversation and we briefly discussed the 102 situation. I said that my talk with Holm hasn't helped. I explained how badly we feel for them but no act of generosity on our part can help them. I feel that they should make a public statement as I had asked Al Ghiorso to try to convince them to do last December. Time only makes the situation worse. We could make 100 to 1,000 times more of their activity than they did if it exists but didn't make any. The Russians have also failed to make any of their activity. Naming 102 before they were sure of their "discovery" was a bad mistake.

I also talked with John Williams again about the directorship of the Radiation Laboratory. He said that the AEC could not get a quorum of the Commissioners in Geneva and, thus, would not be able to get an approval on the director

before the September Regents meeting. I requested definite action before the October meeting.

I bumped into Karl Erik Zimen, who asked me to recommend a nuclear physicist or chemist with experience to work in his Berlin Institute for a year or two.

Thursday, September 4, 1958 - Geneva

I stayed in bed in my room at the Du Rhone Hotel all day today with a dreadful, disabling migraine headache.

Friday, September 5, 1958 - Geneva/Brussels

In the morning I attended the scientific sessions of the Second International Conference on the Peaceful Uses of Atomic Energy at the Palais des Nations.

I presided over the afternoon's scientific sessions on the actinide elements, Section C-10, entitled "Basic Chemistry in Nuclear Energy, Part II", and offered the following statement to the press at a press conference (which follows each session at 5 p.m.):

> "Our session this afternoon, session C-10, was concerned with the chemistry of the actinide elements, which includes the important natural elements thorium and uranium and the synthetic transuranium elements up through the undiscovered element with the atomic number 103. Perhaps the highlight of the session was the historic paper by Stanley G. Thompson (Burris B. Cunningham) of the University of California Radiation Laboratory, announcing the first isolation in weighable amounts of the elements berkelium (atomic number 97) and californium (atomic number 98). 0.23 micrograms of berkelium were weighed on a magnetic balance in April of this year and 0.06 micrograms of californium were similarly weighed in July of this year.
>
> Other highlights were a paper by H. A. C. McKay and M. B. Waldron of Harwell describing a complete chemical and metallurgical investigation of neptunium (atomic number 93) and a paper by Sherman W. Rabideau of Los Alamos on the chemistry of plutonium (atomic number 94), americium (atomic number 95) and curium (atomic number 96) and a paper by G. N. Yakovlev and V. N. Kosyakov of the U.S.S.R. on the chemistry of americium. An interesting comprehensive and inter-related discussion of the chemistry of the actinide oxides was given by L. E. J. Roberts of Harwell."

Following my statement I answered a number of questions from the press.

At 6:20 p. m. Stan Thompson and I left Geneva on Sabena Flight #656 to Brussels. On the plane we met Kenneth W. Jackman (an instructor at Hill School, Pottstown, PA) who offered to serve as our guide in Brussels.

We checked into the Metropole Hotel and then went to view the exhibits at the World's Fair.

Saturday, September 6, 1958 - Brussels

Stan Thompson and I, accompanied by Ken Jackman, spent the entire day today at the World's Fair.

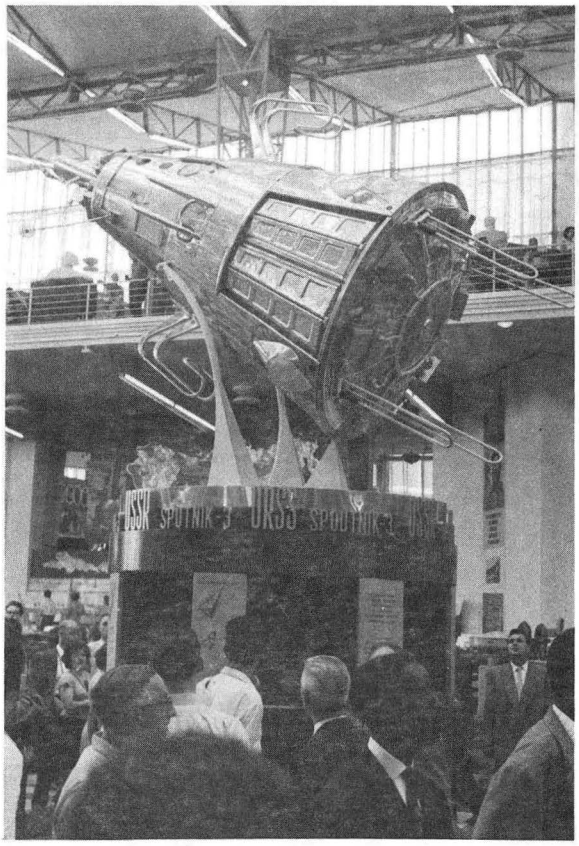
GTS and Ken Jackman, World's Fair, Brussels, September 6, 1958

The American exhibit was quite good. The "Circarama" produced by Walt Disney was magnificent. It is like a 360 degree Cinerama, with seven cameras and projections, synchronized. The movie shown used campus scenes of UCLA as well as popular scenes of the Bay Area (cable cars, bridges, Chinatown, hills, etc.). The results of the voting machines in the American exhibit were interesting, too. University of California nearly tied with Columbia University for second place behind Harvard in the university category and San Francisco won second place to New York in the city category.

Stanley G. Thompson and GTS in front of American Pavilion,
World's Fair, Brussels, September 6, 1958

In my opinion the USSR exhibit was better than ours. Among the many displays were the latest model of a Russian car (sporting a very flashy chrome grille) and a model of Sputnik which drew a lot of attention.

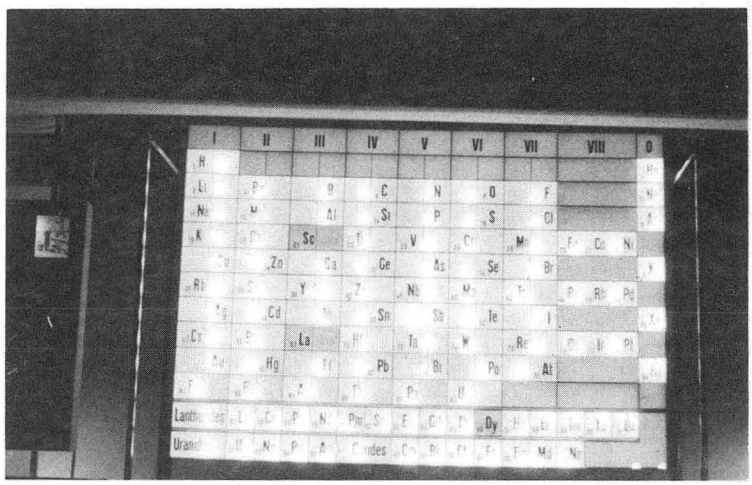
Soviet-made car in the USSR Pavilion, World's Fair, Brussels
September 6, 1958



Model of Sputnik, USSR Pavilion, World's Fair, Brussels, September 6, 1958

Without question, the Czech exhibit of exquisite glassware was the most impressive.

Also very well-executed and quite interesting was the International Hall of Science. However, the French periodic table shown was no good. I took a photo of it in which Bk is erroneously placed as an analogue of Gd, etc.



French periodic table with errors, International Hall of Science
World's Fair, Brussels, September 6, 1958

The Fair appears to be a smashing success. Almost 300,000 people visited the grounds today and approximately 35 million since the opening.

We had Belgian waffles, topped with strawberries, for lunch at one of the many lunch stands on the Fair grounds.

I bumped into Sir Alexander Todd at the American exhibit's "Brass Rail Restaurant" and saw Eleanor Roosevelt at our hotel, the Metropole.

This evening Stan Thompson, Ken Jackman and I dined with Mrs. Marjorie Cain (ex-wife of ex-senator Harry Cain of Washington state, now Miami t.v.). Mrs. Cain is now in charge of some of the guides in the American pavilion but is interested in pursuing a career in educational t.v. after the Fair closes. I referred her to Ted Sherburne of the University of California, Clarence Faust or Henry Heald of the Ford Foundation, and Alan Waterman of the National Science Foundation.

Articles reporting the isolation of californium by Stanley G. Thompson, Burris B. Cunningham and M. Luis Muga appeared in the Bay Area newspapers (Berkeley Gazette, Oakland Tribune and San Francisco Chronicle) this weekend (copies attached).

Sunday, September 7, 1958 - Brussels/Geneva

This morning Stan Thompson and I returned for one more look at the World's Fair in Brussels before going back to continue the conference in Geneva. We visited the Belgian area, "Joy Village", which is a re-creation of a turn-of-the-century town with a huge beer hall which seats 4,000 people. We

U.C. Scientists Report on Californium

University of California scientists have obtained weighable amounts of Californium, the rare, man-made element No. 98.

They made the announcement today in Geneva at the Atoms for Peace Conference, according to the Associated Press.

They have precious little of the element — only six-hundredths of one-millionth of a gram. Twenty-eight grams make an ounce.

But the tiny packet is at least a $1,000,000 baby. That's about what it cost to make, said Dr. Glenn T. Seaborg, Nobel Prize chemist of the University of California.

FIRST REPORT

Dr. Seaborg announced discovery of the element from U.C. atom smashers on March 17, 1950. His announcement came little more than a month after his discovery of element 97 called "Berkelium" after the City of Berkeley.

He and associates this spring succeeded in isolating about four times as much Berkelium. The two probably cost several million dollars to create, he told newsmen at the Atoms for Peace Conference.

A formal report on Californium was presented by Drs. S. G. Thompson, B. B. Cunningham and M. L. Muga, Seabord's associates.

OAKLAND TRIBUNE

September 6, 1958

Neither element existed on earth before the atomic age. They are made by building up heavier elements from Plutonium in an atomic pile. It took six years to make the pinspeck of Californium at Arco, Idaho.

The Californium is colorless, and highly explosive or fissionable, spontaneously shooting out neutrons. Dr. Seaborg said. It could make a superbomb, except for the job of ever getting enough of it.

AID TO RESEARCH

Its main value will be in adding to knowledge of nuclear and atomic physics, now that scientists are getting enough of it to study and examine.

In pre-atomic age days, there were only 92 known elements. Now there are 102, and "We are working on finding No. 103," Dr. Seaborg said.

Some scientists hope that elements up to 108 can be discovered. But they will be so highly radioactive that they would disappear within a split second.

The Californium described today is an isotope known as Californium-252. In two years, half of it will break down and be gone.

It has a cousin, Californium-254, which is believed to be created in super-novae, the gigantic death explosions of stars.

One scientific theory is that Californium may have existed on earth for a few fleeting minutes "in the beginning" when matter was formed.

BERKELEY GAZETTE - September 5, 1958

Radiation Lab Isolates New Space Element

The isolation of the synthetic element, californium, element 98, produced by a process akin to one occurring in exploding stars and hydrogen bombs, has been achieved by a group of scientists in the University of California Radiation Laboratory working on a continuing fundamental research program of the Atomic Energy Commission.

The research was reported today in Geneva, Switzerland, to the Second International Conference on Peaceful Uses of Atomic Energy and at the same time on the Berkeley campus of the University.

HEAVIEST ELEMENT

Californium is the heaviest element ever concentrated in large enough quantity to be visible and weighable. The Berkeley scientists — University of California scientists have discovered or taken part in the discovery of all elements heavier than uranium, from 93 through 102—have hopes of so concentrating only one more element, element 99.

The isolation of californium is especially important because it may be potentially the most useful element heavier than uranium, with the exception of plutonium, element 94, the atomic energy fuel. The potential derives from the fact that one isotope of californium decays partly from spontaneous fission, making the element an excellent neutron source and a model for plumbing previously unapproachable mysteries of the fission mechanism.

The scientists who performed the isolation, a major scientific step, were Stanley Thompson and B. B. Cunningham, and their assistants Ray Gatti and Llad Phillips, members of the Radiation Laboratory's Chemistry Group, which is directed by Dr. Glenn T. Seaborg, Nobel Laureate and chancellor of the Berkeley campus. Drs. Thompson and Seaborg participated in the discovery of element 98 in 1950.

NOT ON EARTH

Californium does not exist naturally on earth, although it has been postulated to exist in Super Novae, or exploding stars, since its discovery in cyclotron bombardments. Previously, only tracer, invisible quantities of the element have been available.

The californium sample is the smallest amount of material from which macroscopic properties of a material have been determined.

The ability of scientists to make such studies with such minute amounts of material is due to a large extent to the pioneering ultramicrochemical techniques developed by Dr. Cunningham. So tiny are Dr. Cunningham's test tubes, beakers and other equipment that they must be manipulated under a microscope.

SAN FRANCISCO CHRONICLE - September 6, 1958

How UC Scientists Built Supply of Rarest Element

By David Perlman

The world's only piece of a powdery white new element called californium—a piece big enough to see and weigh and study—has been produced by University of California scientists.

The substance, far heavier and 1000 times more radioactive than uranium, is so rare it doesn't exist naturally on earth at all.

The bit of californium now isolated took six years and a million dollars to make, and all there is weighs only a milrogram—one thirty-millionth of an ounce. But even that tiny amount represents a major victory in fundamental nuclear science.

With an atomic number of 98, californium is expected to prove immensely valuable to researchers trying to learn precisely what happens to atoms during nuclear fission.

MADE IN REACTOR

It was produced in an atomic reactor by a process that reproduces the fantastic transmutation of elements known to occur in the hydrogen bomb and in the hot cores of exploding stars called supernovae. If californium ever existed in our solar system before, it was billions of years ago when the sun and earth were formed.

Isolation of the first tangible quantity of californium was announced by Dr. Stanley Thompson and Dr. B. B. Cunningham of the UC Radiation Laboratory and their assistants, Ray Gatti and Llad Phillips.

DR. STANLEY THOMPSON
One of UC team

Thompson and Dr. Glenn T. Seaborg, now UC chancellor, first tracked down a few elusive atoms of the hitherto unknown element with the Berkeley cyclotron in 1950. Now they have enough to work with.

UNSTABLE ATOMS

Perhaps the most intriguing property of californium, according to Thompson, is the fact that one of its various forms undergoes spontaneous fission. In other words, the atoms of one californium isotope are so unstable their nuclei break in two on their own, and fire off energetic particles called neutrons in the process.

Study of this spontaneous splitting will make many of the mysteries of the nuclear fission mechanism approachable for the first time. The element can now be examined spectographically, and its nuclei explored under extremely low temperatures when the cold atoms are quiescent, like a patient under anesthesia.

Studying the element itself is a major feat. So small is the available quantity of californium that it can only be examined with ultramicroscopic techniques developed by Cunningham. Test tubes, beakers and other equipment used to handle it are so small they must be manipulated under a microscope.

When californium can be produced in large enough quantities it will also be an excellent research source of neutrons, and may even prove practically valuable in such projects as radioactive exploration of oil fields.

It could make a superbomb, but no one would try to manufacture that much.

SIX-YEAR PROCESS

The manufacture of the first bit of californium was accomplished by the Berkeley men at an Atomic Energy Commission testing reactor at Arco, Idaho. A quarter ounce of plutonium was placed in the reactor six years ago and has been steadily bombarded with neutrons ever since.

A similar bombardment takes place in a flash during the boiling burst of matter in an H-bomb or the even larger scale explosion of a supernova.

Plutonium 239, the major energy source of atom bombs, has an atomic nucleus made up of 94 protons, each with a positive electric charge to balance the negative charges of its 94 circling electrons. The nucleus of plutonium 239 also contains 145 neutrons, minute particles with no electric charge at all.

NEUTRONS ABSORBED

In the testing reactor at Idaho the US scientists steadily bombed the plutonium nuclei with unusually large quantities of neutrons. Over the years the plutonium nuclei absorbed extra neutrons, one at a time.

As the nuclei gradually fattened themselves by capturing neutrons, some of the neutrons changed to protons and the plutonium was transmuted step by step, getting heavier and heavier. First it changed into the element americium, then to curium, then ot berkelium and finally into californium.

The Berkeley scientists say it will be possible to manufacture only one element heavier than californium—number 99, called einsteinium—although several such elements are known to exist.

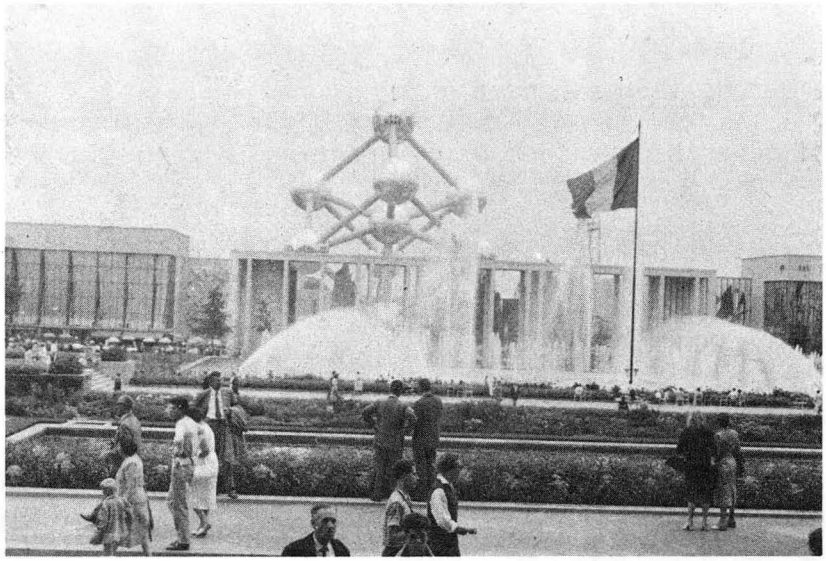
RAPID DECAY

This is because the superheavy elements are so unstable they undergo radioactive decay faster than they can be created. Their nuclei keep breaking up, emitting particles and sliding back down the peridoic table of elements until they become lighter and more stable.

About two-thirds of the californium now isolated decays fairly rapidly, so that half of it is gone every two years. But some of it, decaying by spontaneous fission, has a half life of 70 years—long enough for plenty of detailed study.

Thompson and Cunningham reported their epochal work in a paper released last week at Berkeley and presented to the international Atoms for Peace conference in Geneva, Switzerland.

also went up (approximately 400 feet) in the Atomium from which there is a grand view of the Fair grounds.



Atomium, World's Fair, Brussels, September 7, 1958

At 10:30 a.m. I put in a call to Ewen C. Dingwall of the Century 21 Exposition in Seattle. I suggested that our Planning Board for the Century 21 Exposition cover: 1) the International Hall of Science in Brussels and 2) the United States Exhibit at the Palais des Nations in Geneva and the Deutsche Museum in Munich. He will work through Thomas Mechling (Director of Public Relations for the American exhibit in Brussels) to arrange for pictures of all three.

Our return flight to Geneva (Sabena #655) departed Brussels at 2:30 p.m. and arrived in Geneva at 4:25 p.m.

In the evening I met and talked with quite a number of people who are attending the conference. I saw Paul Pierson, head of the Program in Science and Engineering of the Ford Foundation (headed by Carl Borgmann, former President of the University of Vermont). Pierson indicated that the Engineering Department at Berkeley could stand improvement (an opinion shared by Myron Tribus of UCLA among many others who talked to me) and their organization has money to spend. Pierson will visit me in Berkeley to discuss it further.

John McConnell (the originator of the Star of Hope idea and editor of the Toe Valley View of Bakersville, North Carolina) approached me about a World Friendship Fair in San Francisco. He said that Wanda Ramey of KCBS is heading the organizing group in San Francisco and that Mayor George Christopher supports the proposal. I asked him to talk with Earl Hyde further about the idea so that Earl might recommend to me whether or not I should lend my name to the enterprise.

Stan Thompson and I got together about 9 p.m. to talk about ideas for a graduate student to work with him this fall. Perhaps a graduate student should start with Muga's help on photoemulsions with heavy ions on a heavy element like uranium looking for all types of reactions, then going on to radiochemistry when neon becomes available in sufficient intensity.

Before going to bed, I made several revisions in the talk I am to present on Wednesday, in particular I made my description of Georgiy N. Flerov's work more accurate.

Monday, September 8, 1958 - Geneva

This morning I gave the revision of my upcoming talk to Sigvard Eklund for distribution.

Films were made of Stanley G. Thompson, Charles D. Coryell, Victor Spitsyn (head of the Institute of Physical Chemistry at Moscow University) and me talking about the conference. These films are supposed to be used throughout the world for United Nations promotions.

I talked to E. Glüekauf (Harwell Laboratory) about the compilation on nuclear thermodynamics of the heaviest elements that Bruce Foreman and I have compiled and to Pinto Coelho, Vitor Crespo's mentor. Crespo, who is Portugese, is now a graduate student working with Iz Perlman at the Radiation Laboratory.

I also talked to Clyde Cowan (Catholic University, Washington, D.C.) about getting pictures of the U.S. Science Exhibit here at Geneva (of which he is in charge) for use at the Century 21 Exposition in Seattle. I think I should invite Cowan to the meeting of our Century 21 Science Advisory Board in Washington, D.C. on October 5th and 6th.

Earl Hyde, Stan Thompson and I lunched with Tino Gaumann (ETH, Zurich). Gaumann is planning to come to Berkeley with his wife and two children around October 15th to work at UCRL. He is not sure yet what he will be working on. His area of interest seems to relate naturally to the work of Burris Cunningham so I asked Stan to talk with Cunningham about Gaumann's work.

Alvin Weinberg told me that he is not interested in the position of head of the Nuclear Engineering Department at Berkeley. He was flattered by our interest but does not want to move at the present time, perhaps in the future. He promised to provide me a list of possible candidates.

I also talked to Earl Hyde, who recommended against my endorsing John McConnell's idea of a World Friendship Fair.

This evening I attended the USSR reception at the Hotel Metropole. Flerov told me that he had just received a telephone call from Moscow reporting that they find a 10 second half life for the element 102 isotope that the group at the Institute of Physics in Stockholm think they are finding (with a half life of about 15 minutes). Therefore, the Swedish work on 102 must be wrong; 10 seconds may be consistent with three seconds we find at Berkeley or there may be two periods. Flerov raised the question if a three second-isomeric transition in Fm^{250} could account for our results and I said no.

I also talked with G. N. Yakovlev, who told me that The Chemistry of the Actinide Elements by Katz and Seaborg is being translated and published by his laboratory on his recommendation. The same will presumably happen to The Transuranium Elements. Yakovlev and V. N. Kosyakov said that the Soviets are building a reactor with 2×10^{15} flux that should be ready by 1959 or 1960 but they are having trouble getting 1-10 Kg Pu^{239} to irradiate. (I

At the Soviet reception at the Geneva Conference- L to R: V. M. Vdovenko, T. V. Tsetskhladze, Stanley G. Thompson, V. N. Kosyakov, GTS, G. N. Yakovlev, unidentified

mentioned this to Weinberg, who had already heard about these plans, and he is convinced that the United States should build a small research purpose very high flux reactor for about $10 million--perhaps like the Internuclear Company's design.)

I had an opportunity to talk with Father Theodore M. Hesburgh (President of Notre Dame) about the idea of a national athletic conference. He thinks that a group of university presidents should get together at a certain stage of development to discuss this plan and be sure that high academic standards are given serious weight. He agrees that the University of Oklahoma and Miami University would not qualify academically. I intend to discuss this with Clark Kerr.

Tuesday, September 9, 1958 - Geneva

This morning I bumped into Jim Killian who asked about my telegram regarding Harvey White as the teacher in the proposed national TV program on physics, "Continental Classroom". I told him that White, although not perfect, is the best man available and very dedicated to the project and the show should start this year. I believe that it will go ahead.

Around 11 a.m. I saw John Williams and told him about the USSR reactor with a flux of 2×10^{15} and the difficulties between Rocky Flats and AEC Director of Military Applications Alfred D. Starbird. Rocky Flats is ready to furnish the needed plutonium for neutron irradiation but Starbird says that they are too busy. Williams said that he will call a meeting on a high flux reactor of representatives of ORNL, ANL and UCRL in the hope of getting something launched. I believe that Al Ghiorso should represent UCRL. Williams will also look into plutonium irradiation with Spofford G. English.

He suggested that I should write AEC Chairman John McCone, with carbons to Willard F. Libby and General Al Luedecke and Williams himself, calling attention to my October 1957 letter to then AEC Chairman Lewis Strauss (copy attached) advocating the building of a high flux reactor. The letter should include the information from the Russians on their 2×10^{15} flux reactor and big heavy isotopes program, emphasizing our need for a decision on a High Flux Reactor (perhaps a $10 million one would do) and the need to get roadblocks out of our National Heavy Isotope Production Program. In conclusion, I might propose that if the United States is too poor to build a reactor, we should begin to seek arrangements to irradiate our samples in the USSR reactor.

I also spoke to Detlev Bronk (President, National Academy of Sciences) who suggested an NAS E. O. Lawrence Memorial Lecture. The first one would be held in Berkeley at the November NAS meeting and future memorial lectures would be given every three years at West Coast meetings of the NAS. I agreed that this was an excellent idea.

I suggested to Bronk that the U.S. Geneva Exhibit should form the basis for an American National Museum in Science in Washington, D.C. He agreed and pointed out that the Smithsonian Institution has a large building program and might be able to accommodate the exhibit. Bronk will contact Leonard Carmichael (Director of the Smithsonian). I also suggested that he talk to Clyde Cowan about this.

5. LABS Berkeley
Admin. H Element Proc. '57-59

UNIVERSITY OF CALIFORNIA

OFFICIAL USE ONLY

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA

October 24, 1957

Mr. Lewis L. Strauss, Chairman
U.S. Atomic Energy Commission
1901 Constitution Avenue, N.W.
Washington 25, D. C.

Dear Lewis;

Our phone conversation last week reminded me of our earlier chat about the need for a new "very high flux reactor", and I thought that I would drop you a few lines to discuss this and some subsequent thoughts that I have had. It has occurred to me with some force that unless some substantial steps are taken soon we will wake up in a few years and find that our country has been left behind (by the U.S.S.R.) in the field of new transuranium elements with no chance of ever catching up. (I speak of "new transuranium elements", but, of course, wish to include isotopes of existing elements which either cannot be made at all or in too small quantities with existing facilities.) I think that this should be recognized now, even if we decide to not do anything about it, so that it will not come as a shock. The field of new transuranium elements is entering an era where the participating scientists in this country cannot go much further without some unified national effort which can only be authorized and coordinated by the Atomic Energy Commission itself.

The future progress in this area depends on substantial weighable quantities (say milligrams) of berkelium, californium and einsteinium. The acquiring of this depends upon our country's entrance into a two-fold program: (1) The irradiation of substantial quantities of Pu^{239} as reactor fuel elements, and the re-irradiation of the products, in the presently available highest flux, high capacity, reactors to form hundred gram amounts of Cm^{244} and higher curium isotopes. (The similar neutron irradiation of hundreds of grams of Am^{241} is an alternate method for the faster production of smaller amounts of curium.) (2) The irradiation of the curium in the suggested "very high flux reactor".

There are, of course, a number of ways of carrying out the above number (1) of this program. One method which Ghiorso and Zartman have discussed would be to refabricate (perhaps merely by melting) the presently planned 23 irradiated MTR plutonium fuel rods into several one-inch diameter rods for re-irradiation in one of the Savannah River piles for some three years. Thus, this part of the program would take some three to four years. (A useful smaller amount of curium could be obtained sooner through the Am^{241} route if certain stocks of old plutonium were refabricated with the removal of the contained Am^{241}.)

Part (2) of this program (conversion of curium to berkelium, californium, and einsteinium) would require the suggested "very high flux reactor". (This, of course, is only one of the needs that such a reactor would fulfill.) You will remember that I suggested to you a reactor in the flux range of 10^{15} to 10^{16}. Although something at the upper end of this range of flux would be best, a definite workable design for such a reactor is apparently not presently available. Perhaps the best course here

continued

OFFICIAL USE ONLY

OFFICIAL USE ONLY

would be to build as soon as possible a reactor of somewhat lower flux rating of available and feasible design. An example is the Mighty Mouse Reactor of the Argonne National Laboratory with a proposed flux of $2x10^{15}$. If this were completed within three or four years it would be available in time to fit the presently proposed program.

I might mention that over the period of the last few years I have discussed the problem of heavy isotope procurement with Bill Libby and, thanks to his help, good progress has been made, especially with respect to Np^{237} and Am^{241}. The initiative and hard work of S. G. English and the Chemistry Branch of the Research Division have been of great aid in this procurement problem.

I realize that the program suggested here will cost money, but I believe that the suggestion concerning part (1) of the program dovetails very well into the Commission's already planned program and available facilities and would accomplish the desired result at minimum cost and that the very high flux reactor of part (2) is a much needed and overdue Commission facility in any case. I would recommend going ahead with part (1) even if an immediate decision is not forthcoming on part (2). Whatever the decision may be, I think that it is worth recognizing clearly at this time the potentially inferior position which our country may hold in the area of the discovery of new elements a few years hence unless interlaboratory cooperative steps of this type are taken soon.

With best personal regards.

Cordially yours,

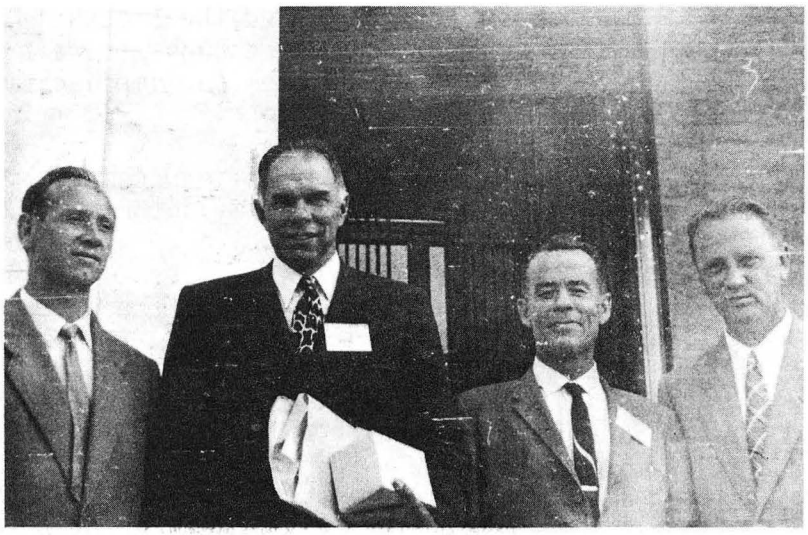
Glenn T. Seaborg

GTS/b
CC W.F.Libby
W.M.Manning
Blind cc to S. G. English
Copies to J A McCone 10/2/58
E M McMillan 10/6/58
Judy Hartwell 3/30/64
" " 10/16/64

OFFICIAL USE ONLY

Earl Hyde gave me his recommendation yesterday not to participate in John McConnell's World Friendship Fair project for San Francisco. However, when I ran into McConnell on my way to lunch, I told him that I would possibly lend my name to the project after and only after he has 20-25 prominent names supporting it.

From 1 p.m. until 3:15 p.m. I lunched at the Hotel du Rhone with Flerov, Yakovlev, Kosyakov, Ann(ya) Sharapova (interpreter), Ludmilla (Mrs. John) Turkevich (interpreter), Hyde and Thompson.



September 9, 1958- Geneva Atoms for Peace Conference
L to R: Yakovlev, GTS, Stan Thompson and Kosyakov

I gave Flerov the T. D. Thomas curve fitting his excitation functions (Sergei M. Polikanov has done something similar) and said that T. Darrah Thomas wants to spend some time in Flerov's (or another) USSR lab.

I also raised the question of Polikanov spending some time in Berkeley. Flerov indicated that he is not a hard worker but I said that everyone works hard in Berkeley.

I mentioned Al Ghiorso's plan to visit Yugoslavia in November and his desire to visit the USSR; Flerov said that he would be welcome. When I raised the question, neither Flerov nor anyone else knew of any heavy ion linear accelerator being built in Kharkhov.

I pointed out to Flerov that an isomeric transition could not give rise to the element 100 alpha particle daughter of our three second element 102 by moving it from the belt to the catcher. He agreed, therefore, that his "loophole" in our Berkeley experiment is probably not valid. He told me about an 8.8 MeV alpha particle energy and 10 second half-life for his element 102 activity, produced from Pu^{241} (and Pu^{242}) plus O^{16} ions. The half-life corresponds to a hindrance factor of approximately 20, which is too much. He said that the half-life is very rough, maybe five seconds, and that he has 150

tracks at 8.8 MeV, of which 25% is due to products produced from Pb in the target. We discussed the possibility of chemistry on the 0.1 second time scale. He said that in an unsuccessful experiment, he has produced At, swept with various gases to react with Ag; they are thinking of various fast gas reactions.

I asked if they intend to look for element 103 or 104. He said that they are not so sure now, due to the difficulty of the 102 work and decreasing yields. They would use the new cyclotron (which accelerates ions with A/Q approximately equal to 10) with Mg or Al ions and a Uf target (to cope with heat transfer). (They can't use Cm.) He sounded very doubtful about their chance of success.

Flerov stated once again that they have disproved the Stockholm experiments on element 102. Regarding renaming 102 he thinks we ought to wait until the Stockholm-Harwell-Argonne group retracts and then, he implied, we should proceed slowly and in consultation with each other.

I mentioned my possible visit to the Soviet Union in December. They all extended a welcome and Ann volunteered to act as my interpreter. We discussed scientists' salaries in the USSR. Apparently they are in the top 1-3% pay range and have all the equipment they need. This agrees with what Spitsyn told me yesterday. Flerov told me that he translated the Rasmussen-Perlman article on alpha particle radioactivity into Russian.

I submitted to Paul McDaniel the attached report, which was teletyped to the U.S. Atomic Energy Commission.

At 5:45 p.m. I saw Thomas E. Murray (former Commissioner, now with the Joint Congressional Committee). He has just returned from a trip to southern France with some other Joint Committee members. I told him about the USSR reactor with a flux of 2×10^{15} and he was very disgusted with the lack of U.S. progress in this area.

From 7 p.m. to 9 p.m. I attended the reception given by the delegation from India. There I spoke with Willard F. Libby about the USSR reactor with a flux of 2×10^{15} and the importance of getting started in the United States. He emphasized the need to document the case and get the support of the General Advisory Committee (of which Warren C. Johnson is Chairman).

I also spoke with Robert Spence (head of the chemistry division at Harwell) about Flerov's results and about the importance of public admission of their mistake by the Stockholm-Harwell-Argonne group. He agrees but feels that they should be allowed to try again.

I saw Hari Sharma (my former graduate student at Berkeley) who is now head of an actinide chemistry laboratory in India. He told me that Jagdish Shankar wants me to come to India for a visit. (Shankar worked with me at the Radiation Laboratory some ten years ago.)

When I talked with Killian again, he emphasized the need for the Harvey White TV show to be first-class because it will set the pace, he wants me to watch it and give him my reaction. I urged Killian to support educational TV in the U.S.

Report on Luncheon at Du Rhone Hotel, Geneva, 9/9/58, 1-3 pm

Present: G. N. Flerov, G. N. Yakovlev, V. N. Kosyakov, Ann Sharapova (interpreter), S. G. Thompson, E. K. Hyde, G. T. Seaborg, Mrs. John Turkevich

We discussed scientific work of mutual interest and especially the heavy ion work being done by Flerov and his group with his cyclotron in Moscow (soon to be supplemented by another cyclotron, designed for large beams of heavy ions including Mg and Al ions, at A/Z ratio of about ten). I gave Flerov some excitation function curve fittings by T. D. Thomas (of UCRL) relating to Flerov's experimental work. I mentioned Thomas' desire to work in Flerov's Lab and the possibility of S. M. Polikanov (Flerov's man) working at UCRL; Flerov was agreeable.

Flerov said that they had found an 8.8 $\pm$ 0.5 MeV alpha emitter, some 10 seconds half-life, from Pu^{241} (and Pu^{242}) plus O^{16} ions, which is consistent with UCRL work but not with Stockholm-Harwell- Argonne work on element 102. Flerov's group made no chemical identification. Flerov said that they are convinced, just as is the UCRL group, that Stockholm work is wrong. We discussed techniques of chemical identification of isotopes of elements 103 and 104 with 0.1 second, or less, half-lives, and their ideas are much like our own. They gave a strong impression that they would welcome cooperation with UCRL and that they had much to offer by way of their photographic emulsion techniques (and this is apparently true).

They mentioned that the USSR is building a high flux reactor (approximately 2×10^{15} neutrons per square centimeter per second) due to be completed in 1959. (I didn't

mention this but it occurred to me that we might arrange for some irradiations of our heavy isotopes in this reactor, since we are so far behind in this area in the United States.) They seemed to be confused as to why we have not built such a high flux reactor in the United States. (In other conversations they have made it clear that they can have pretty much whatever they want in the way of scientific equipment.) They also wondered why we hadn't made more californium (S. G. Thompson had reported the isolation of 0.06 micrograms in a paper last Friday.) in view of our early start in this field in the United States.

They were going to send reprints of much of their work, including a translation of the Rasmussen and Perlman Handbook der Physik article on alpha radioactivity into Russian, to Berkeley. I also learned that they are translating the Katz and Seaborg book, Chemistry of the Actinide Elements, into Russian and probably will do the same with the recent (September 1958) Seaborg book, The Transuranium Elements.

Glenn T. Seaborg

September 9, 1958

I had dinner this evening with Victor Spitsyn (Director of the Institute of Physical Chemistry in Moscow), Stan Thompson and John Turkevich at the La Bearne restaurant. In connection with my hope to strengthen the Slavic Studies Department at Berkeley, Spitsyn suggested that we exchange with the University of Moscow copies of some missing literature (from the period when the U.S. did not recognize the USSR and from the war years) for copies of some of our material and also that we arrange more exchange of students. He volunteered to speak with Ivan Petrovski (Rector of Moscow University) and Aleksandr N. Nesmeyanov (President of the USSR Academy of Sciences) about this and they may get in touch with me. I may follow up on this during my visit to Moscow in December and will certainly speak with Charles Jelavich of our Slavic Languages Department about this.

I learned a lot about the life of academicians in the USSR. There are approximately 200 members and an additional 400 corresponding members in the Soviet Academy of Sciences. It interested me to learn that Spitsyn has a chauffeur furnished by the Academy as well as a personal physician who watches carefully over him. I learned that Aleksandr Topchiev is Vice President of the Academy and Vasily S. Emelyanov is head of the Soviet Atomic Energy Commission.

Aleksandr Vinogradov, Georgiy Flerov and Artemii Alikhanov were also invited to our dinner and expected, but failed to appear. (Flerov later apologized, implying that they are only allowed to meet in order to "talk science".)

Wednesday, September 10, 1958 - Geneva

At 9:10 a.m. I talked to Chester M. Van Atta (UCRL) who favors tying together of the Rad Lab and Livermore, with Wally Reynolds continuing to play his present role as general manager.

From 11:20 a.m. until 12:45 p.m. this morning I participated in a filmed interview with Mr. Shamus of the United Nations and Hermann Joseph Muller (Professor of Biology at Indiana University). The movie (a 27 foot strip) is going to be used by the United Nations throughout the world and may be used on educational television. The subjects discussed were: 1) factors contributing to science in any country, especially the United States, 2) the status of science education in the United States, 3) the types of support of science and the areas which need support, 4) impressions of the Conference, and 5) understanding of science by the public. Shamus also told me that the United Nations is filming the Geneva Science Exposition. I must remember to tell Ewen Dingwall to contact Mike Hayward (United Nations in New York) to get copies for our Century 21 Exposition in Seattle.

Immediately after the interview, around 1 p.m., I discussed the high flux reactor with Norman Hilberry (Argonne National Laboratory). He told me that the Argonne Fuel Fabrications Facility should be ready next January. He also promised to investigate whether or not EBR-1 can be moderated in the center to give 2-5 x 10^{14} flux at the center (for present 1 MW) and then go up to 10 MW to give 2-5 x 10^{15}. In Hilberry's opinion, Eugene Wigner is an important man to convince of the need of the high flux reactor. (Note: Weinberg is now in favor of a $10 million high flux reactor.)

My evening lecture in the Main Assembly Hall, " Recent Developments in the Field of Transplutonium Chemistry" lasted from 8:50 p.m. to 9:35 p.m. This was an exciting experience. The large hall was full of notable scientists and my lecture, illustrated with lantern slides, was well received.

I described the discovery of all the transplutonium elements (atomic numbers 95 to 102, inclusive) and the methods of production in macroscopic quantities by prolonged irradiation of plutonium with high flux neutrons, including a graph showing the yield of heavy isotopes, like Cf^{252}, with time of irradiation. I showed how these elements fit into the periodic table with some historical background on the actinide concept. I featured our discovery of element 101 utilizing the first "one atom at a time" experiment and emphasized its naming after the great Russian chemist, Dimitri Mendeleev (mendelevium). I described our discovery of element 102 and indicated, carefully, that the Stockholm-Harwell-Argonne claim to the discovery of this element is wrong, as shown by unsuccessful attempts to confirm the work at the Radiation Laboratory in Berkeley and in the Soviet Union. I concluded by making some predictions regarding the nuclear and chemical properties of transuranium elements beyond element 102.

I was filmed in an interview (about five minutes) before my lecture and some of my lecture was filmed as I delivered it. After my lecture Flerov asked for copies of my slides so they can publish part or all of it in the Soviet Journal of Atomic Energy; I promised to send him copies.

I talked to Jaromir Maly (Czechoslovakia) who has asked to come to the Radiation Laboratory in Berkeley to work with us. I asked him to be patient in waiting for approval from the Atomic Energy Commission; it will probably not be granted by December as he hopes.

Thursday, September 11, 1958 - Geneva- London

I had an opportunity to discuss the USSR high flux reactor with Eugene Wigner this morning. Wigner told me that he was already aware that the USSR is building one and that he agrees that the United States should probably build one, too. However, he is in favor of the cheaper, flux trap type.

I talked with Joe Katz about our monograph on the Chemistry of the Actinide Elements. He will visit Berkeley next spring to do the final work on it together. Until October 1st we should continue to send requests for reprints from Berkeley, then Joe will take over and send the requests from Argonne.

Yves Sousselier (French Commission a l'Energie Atomique) informed me of the plans for an international conference on chemistry in Paris June 18-29, 1959. It will include a session on the transuranium elements with papers to be presented by representatives from the USSR and the U.K. If I cannot go, he would appreciate recommendations.

When I saw Henry Seligman (England) at about 10:30 a.m. he told me that he has recommended me for membership on the Advisory Committee of the International Atomic Energy Agency in Vienna.

Flerov's 20 minute talk, which began at 11 a.m., contained a great deal of interesting information. I was also encouraged that he also expressed hope that there will be international cooperation in the search for further elements like 103 and 104. Information contained in his presentation which is of particular interest to us includes: study of excitation functions for several isotopes from Au^{197} plus N^{14}; claims for production of an element 102 isotope from Pu^{241} plus O^{16} with admission of much interference from Pb impurities; alternative explanations for the 8.5 MeV alpha particles

claimed to be due to element 102 by the Stockholm-Harwell-Argonne group; 100-fold decrease of yield of Pu (O,xn) products compared to Pu (C,xn) products. He said the experiments devoted to the synthesis and identification of element 102 are an excellent example of international cooperation, i.e. between the U.S., Sweden and the USSR.

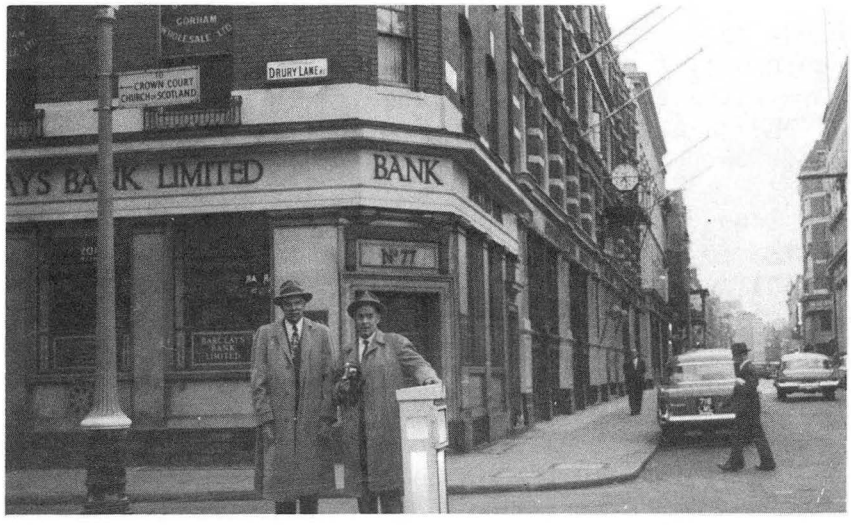
After his talk, I had a conversation with Flerov, interpreted by Kafdenof (a high energy nuclear physicist) with Myron S. Malkin, Dick Wolfgang, Bob Leachman, John Huizenga, Jaromir Maly, Wally B. Reynolds and a number of unidentified Russians listening in. Flerov suggested that we should regard the 102 experiments as unfinished (and not make the same mistake as the nobelium venture). They will repeat the Berkeley experiment in Moscow with Pu and O using their own resources and using Cm and C if we can prepare the Cm target for them. He feels that we should repeat their experiment in Berkeley. They would furnish photographic plates and show us how to use them if we send a man to Moscow to learn. It is very important to master the technique because one must line up the target and the photographic plate within 10 microns each of the hundreds of times that the experiment is performed.

They found $U^{238} + O^{16} \longrightarrow E^{248} \xrightarrow{8\ \mathrm{MeV}\ \alpha} Cf^{244} \xrightarrow{\alpha}$ by observing tracks from common origin (he must mean Fm^{248}) and looked for $Pu^{241} + O^{18} \longrightarrow Mv^{256} + p + 2n$ but $\sigma < 10^{-32}$. He implied that we might cooperate on naming element 102--maybe announcing, at least discussing, a name when we visit Moscow in December. However, he has to check with his boss, Igor Kurchatov, and, of course, I said I would also have to check with our group. Flerov suggested "rutherfordium"--but, of course, that is subject to further discussion. In conclusion, he stated that in his opinion we should not adopt the name "nobelium".

After this discussion with Flerov I spoke with Maly, who pointed out the advantage of his first working on heavy ions and the heaviest elements with Flerov at the Dubna heavy ion cyclotron and then working at UCRL. Then he would return to resume work with Flerov at Dubna and would keep us informed of their progress. I later asked Flerov (through Kafdenof) if Maly is capable. Flerov answered in the affirmative although this is mainly based on good recommendations since Maly has not yet begun to work with Flerov.

About 12:30 p.m. I saw Warren C. Johnson and told him about the USSR high flux reactor. I asked him to initiate something in the General Advisory Committee (perhaps the $5-10 million type) and he agreed to do so.

Stan Thompson and I departed Geneva together on SwissAir Flight #102 at 1:45 p.m. We arrived in London at 4:05 p.m. and had dinner together downtown in a little restaurant on Drury Lane.



GTS and Stanley G. Thompson, London, September 11, 1958

Our PanAmerican Flight 121 to San Francisco departed London at 10:30 p.m. and arrived at 11:20 a.m. (9/12/58)

Friday, September 12, 1958 - Home again

Stan Thompson and I arrived at the San Francisco International Airport at about 11:30 a.m. and were met there by Alice Thompson. It was well into the early afternoon by the time we went through customs and drove to my home in Lafayette. I greeted my family and rested a bit before tackling the huge pile of papers which were delivered to my home last night from the Chancellor's Office.

I was pleased to see the emphasis given to my plea for international scientific cooperation by John Finney's title of his report on my Geneva talk for the New York Times, "U.S.-Soviet Bond in Science Urged- American at Geneva Parley Asks Close Ties in Work on Artificial Elements" (copy attached).

A memo from Alex Sherriffs begins, "Welcome home! You asked me to have a minimum of things with which to face you when you got back, but I did want to alert you..." and goes on to raise several fairly critical issues. Under the heading, "Urgent", he informs me of arrangements that have been made to institute a program of voluntary health insurance for students during this registration week. As Alex noted, this points out past needs for improvement in communications. He outlined the history of this need and the terms of the insurance coverage (through Continental Insurance Company) which would cover students and dependents during the summer and semester breaks as well as for prior illnesses. According to Alex, this program does not compete with Cowell Hospital but is supplementary to it and has received the approval of the county medical association, Cowell Hospital medical staff and Bob Kerley of the Business Office. I made a note that it seems okay to me.

Alex's memorandum then raised the problem of the loss of the tradition of Sather Gate as a "little Hyde Park". For years speakers have held forth from the roofs of cars or from the street and students have stood on University property at Sather Gate to listen. Now the campus has expanded one block

THE NEW YORK TIMES
September 11, 1958

U. S.-SOVIET BOND IN SCIENCE URGED

American at Geneva Parley Asks Close Ties in Work on Artificial Elements

By JOHN W. FINNEY
Special to The New York Times.

GENEVA, Sept. 10—A prominent United States scientist proposed tonight that American and Soviet scientists collaborate as modern-day alchemists in the creation of new elements.

The proposal was made by Dr. Glenn T. Seaborg, Nobel prize-winning chemist at the University of California, who has been a pioneer in the search for artificial elements of matter produced by atomic transmutation.

Dr. Seaborg's suggestion was another step in the general movement toward East-West scientific cooperation growing out of the Second United Nations International Conference on Peaceful Uses of Atomic Energy. In fact, his proposal was directly prompted by the exchange of information taking place at this two-week meeting of scientists of sixty-two nations.

In an evening lecture before the scientists, Dr. Seaborg observed that since coming to the conference he had learned of the interesting work being done in Moscow in the creation and identification of artificial elements by a team of scientists headed by Dr. G. N. Flerov.

Element 102 Produced

In some of their experiments, he said, the Soviet scientists have apparently produced, but not identified, an artificial element with an atomic number of 102. The same element was created at the University of California's radiation laboratory at Berkeley earlier this year.

"It appears that the Moscow work complements the Berkeley work nicely," Dr. Seaborg said, "and it is hoped that we can proceed from here on in this field of investigation with close cooperation between the two laboratories.

Another move toward continuing international scientific cooperation was made in the field of atomic reactor development.

At a technical meeting on reactor physics—one of many highly technical symposiums going on at the conference—scientists of several nations agreed they should meet again within a few months to continue their exchange of information.

Dr. Boria Hulubei of Rumania, chairman of the meeting, said afterward the scientists taking part in the reactor physics discussion came to the common conclusion that their collaboration should not end with the atoms-for-peace conference.

SEEKS COOPERATION: Dr. Glenn T. Seaborg, who proposed that U. S. and Soviet scientists collaborate in creating new elements.

Further Parleys Requested

Therefore, he said, the physicists are relaying a request to conference officials to arrange for periodic meetings in the future, perhaps under auspices of the International Atomic Energy Agency.

Their request pointed up two general conclusions emerging from this conference:

1. The walls of secrecy around atomic energy have been lowered to a point where international scientific cooperation is not only possible but almost inevitable.
2. The present framework of atoms-for-peace conferences is becoming too broad and large for useful scientific exchange of information, and the scientists now want conferences on more specialized subjects held at more frequent intervals.

In his lecture, Dr. Seaborg predicted that it would be possible to produce and detect perhaps six more synthetic elements as a result of what he called "modern-day alchemy."

10 New Elements Known

These elements are not found naturally on the earth but are produced by transmutation, through prolonged atomic bombardment, of naturally occuring uranium, which has an atomic weight ninety-two. Thus far ten of these man-made "transuranium elements" have produced — neptunium, plutonium, (discovered by Dr. Seaborg in 1940), americium, curium, berkelium californium, einsteinium, fermium, mendelevium and element 102, whose first discovery and name is still a matter of scientific dispute.

Dr. Seaborg said synthetic elements with atomic numbers up to 110 may still be produced and identified. He said, however, that by the time elements 104 and 105 are reached, the artificial substances lifetime will be so short that normal chemical identification wil become difficult.

Production of these artificial elemtns, ether by bombardment with neutrons in a reactor or with ions produced in an accelerator, is extremely limited. For instance, with one reactor now available in the United States it takes ten years to produce one-thousandth of a gram of californium.

Because of the scientific interest over use of these elements in research into atomic structure, Dr. Seaborg suggested that one way to increase their production would be to manufacture them in thermonuclear explosions conducted under "proper auspices."

SAN FRANCISCO CHRONICLE
September 11, 1958

U.S., Soviet Elements Study Urged

GENEVA, Sept. 10 (AP)—Dr. Glenn Seaborg tonight proposed joint research with the Russians to re-create atoms of chemical elements which perhaps died soon after the universe was born.

This quest is to create six new kinds of atoms. They would be the chemical elements from Nos. 103 to 108, said Seaborg, Nobel-prize-winning chemist who is chancellor of the University of California in Berkeley.

He said the Russians apparently have succeeded in making some atoms of element No. 102, as the Seaborg team also has done.

Before World War II, only 92 chemical elements were known. But A-bomb work pushed this up to 96, including plutonium for bombs, which is element No. 94.

Scientists now are making infinitesimal dabs of elements 97 through 102, and hope eventually to get up to No. 108.

Most of these atoms are so intensely radioactive, however, that they disintegrate within minutes, hours or days.

By one theory, these elements were created when the universe was born in a gigantic explosion some seven billion years ago or more. Then they all disappeared and have since been "dead."

Five months ago, Seaborg and associates created and identified some atoms of element 102, which has not yet been given a name.

Seaborg, speaking to the Atoms-for-Peace Conference, said Dr. G. N. Flerov and associates in Moscow have produced some atoms which may be exactly like the atoms made in California in a linear accelerator.

south to Bancroft and Telegraph and Sather Gate is on University property, street included. As Alex points out, Regulation 17 makes it impossible for many of these speakers to speak on campus. I heartily agree with his assessment of the value of preserving the "soapbox" tradition:

> "the value of free speech, the safety valve for the distraught or concerned, an opportunity to allow for gatherings which might be embarrassing if held on the campus proper, etc."

It is imperative that we make an arrangement to move the location of the "soapbox" to another spot. He notes,

> "I learned by my grapevine that a left-wing splinter group will try to make trouble for the University in the second week of the semester by holding a meeting in order to force the campus police to throw them off."

Alex suggests that the patch of ivy at the corner of Bancroft and Telegraph might serve as a suitable substitute for Sather Gate. He promises to check with Berkeley police as to their attitudes to this and other alternative locations.

Alex went on to report on the first meeting of the Council of Directors which he believes went very, very well and on the Committee on Committees' commitment to provide us with names for the ASUC-University relationship committee by Monday.

He also sent me a copy of a letter from Hurford Stone (Dean of Students) to Bill Stricklin (President of the ASUC) regarding the request for permission to circulate the Cal Reporter on campus during the current academic year. The Cal Reporter is published by SLATE (a liberal "student political party") and was originally approved for distribution when its subject matter was limited to political campaigning and it did not contain any paid advertising. SLATE now proposes to solicit advertising and cover a broader subject area. Stone's letter outlines the policy regarding the student publications and suggests that it is appropriate now for the Executive Committee of the ASUC to re-examine the status of the Cal Reporter, to clarify its present policy with reference to circulation on campus and to submit a formal recommendation to the President of the University through the Chancellor's Office.

Alex's note, transmitting the copy of Stone's letter, notes that Sproul once prevented a second newspaper on the UCLA campus. I am aware that SLATE is an influential student organization and a very vocal one which will require careful attention and perhaps some delicate handling.

A note from Anna Carol Dudley conveys the message that Bud Hastings is very anxious to talk with me about the contract with Channel 2 which provides for spot commercials for the ASUC in exchange for post-game showing of movies of and broadcast of live basketball games and spring sports. Apparently this costs the station $30,000-$40,000 and they now want the ASUC to agree with 50% co-sponsorship with Burgermeister Beer. At present this is strictly against University policy and I seriously doubt that that policy would or should change. I asked Anna Carol to tell Hastings "no" at present. However, I did promise to discuss it further with Clark Kerr during my meeting with him next Monday evening and let Hastings know on Tuesday if there is any resulting change in my decision.

The new academic year begins on Monday and next week promises to be quite frantically busy with welcoming addresses, etc. I will need to work hard this weekend to prepare for next week and to catch up on all that has been happening during my two week absence in Geneva.

Saturday, September 13, 1958

I spent the majority of the day dealing with the pile of papers from the Chancellor's Office. I was pleased to read the minutes of the regular Tuesday meetings of the Chancellor's "cabinet" (held during my absence on September 2nd and 9th) and to observe the energy with which the cabinet members have approached their new assignments. It would appear from the minutes that these meetings serve an extremely useful function in the exchange of information and ideas.

On September 2nd Alex Sherriffs reported favorably on his discussion with Armin Rappaport whom he will recommend be appointed to replace Eric C. Bellquist as faculty representative to the Associated Students.

Ed Strong reported at length his discussion with Mike O'Brien (Dean of Engineering). Among the subjects of their conversation were the method of selecting chairmen of departments and vice-chairmen of divisions (a secret ballot was suggested), O'Brien's desire for separate budgets for divisions, the nomination of an assistant or associate dean to coordinate graduate study in Engineering and O'Brien's proposal to establish a coordinating council of chairmen and vice-chairmen.

Jim Hart informed the group of his own activities, which include work on the Berkeley-Stanford liaison, on the campus committee on Proposition 3 (the bond issue on state institutions' building programs which includes our own plans for expansion), on the committee to improve the catalogue, and on the joint appointment between the History Department and the Bancroft Library (a sticky negotiation).

Jack Oswald indicated that the committee to select a new director for the Student Health Center is seriously considering the recommendation of Dr. Henry Bruyn.

The minutes of the first two meetings of the staff were gone over to make sure all necessary action had been taken and I am impressed by the fact that all actions and appointments suggested at those meetings have been followed up and/or finalized.

At the September 9th meeting Ed Strong announced that Nathan Snyder (Acting Chairman of Nuclear Engineering) has resigned. Dean O'Brien has proposed Lawrence Grossman as Acting Chairman. Strong also reviewed the amended procedure for appointing chairmen of departments and divisions in Engineering which was recently presented to O'Brien and reported that pending formal adoption of the reorganization of the College of Engineering as a whole, he will recommend to me that no approval should be given to the appointment of a chairman of the Department of Naval Architecture.

Gene Lee told the group that he is sending the budgets for 1959-60 back to the departments with Chancellor's recommendations and comments, giving department

chairmen three or four months' notice of our office's recommendations to the President. Lee is also working on the nonacademic staff merit increase program and told the staff that he and Bob Kerley will recommend that the 2.5% increase be raised to 5%. Under Hart's signature, Lee is also requesting that installation costs of the Computer Center be placed as item #1 on the major capital improvements list.

Kitty Malloy announced the good news that Errol Mauchlan has accepted our offer and that both he and Maribel Montgomery (who will take over Kitty's old job) will report to work on September 15th. Maribel will act as liaison with the Budget Committee and all communications or requests to or from the Budget Committee should be channeled through her.

Alex Sherriffs introduced the problem of the Sather Gate speakers and there followed a general discussion, which resulted in the recommendation that the University police, the Berkeley police, Bob Kerley and Alex Sherriffs agree on what boundaries might suit the relocation of speakers to Telegraph and Bancroft.

Bob Kerley sent me a memorandum proposing a new policy governing the acquisition of furniture for major capital outlay projects for this campus. In the past this procedure has not been a problem; as the need only came up every few years, rather casual temporary organization and understandings sufficed. However, as Kerley points out, in the next two years we will order about $1.5 million each year in equipment and for the four years following it is anticipated that the rate will be about $1 million each year. I approved his recommendation as of today's date and directed distribution to the subcommittee and administrative offices involved.

C. W. Brown sent an analysis of the space capacity needs of departments, professional schools and institutes to be located in the southeastern part of the campus. These included Art, Decorative Art, Music, Anthropology, Architecture, City and Regional Planning, Landscape Architecture, Law and Optometry. I approved the Building Committee's recommendations for space based on the long-range needs of these departments and the expectation of a future enrollment of 35,000 students. The plan will now be forwarded to Architect Louis DeMonte for use in preparing a site plan for this area.

Jim Hart forwarded a copy of a letter addressed to him from David Boyden (Chairman of the Department of Music) expressing concern about the use of Hertz Hall by outside groups for purposes other than concert-giving. In the past Clark Kerr determined that assignments for Hertz Hall (which just opened last April) should be made "in the same way assignments are made for use of facilities in the rest of the buildings on campus." I see no reason to modify Kerr's ruling and asked Jim Hart (by making a note and returning his memo to me) to inform Professor Boyden.

At about 4 p.m. Ken Street and Iz Perlman came to my home in Lafayette to discuss the relationship between the Berkeley and Livermore laboratories. Ken will return to the Berkeley Rad Lab next summer. He suggests that Harold Brown replace him as Deputy Director at Livermore gradually, in a way that won't offend John Foster. I promised to talk this over with Teller and McMillan.

We also conferred about ways of tying the two laboratories together and discussed what Herb York's role in this might be. I phoned Herb at his home

in Alexandria, Virginia, and asked him to see me on his next trip to Berkeley (during the week of September 21st) in order to discuss the Rad Lab-Livermore relationship and his future plans. He suggested that the associate directors and directors of the two labs meet periodically and said that he will let me know when might be a good time for our conference during his next visit.

Sunday, September 14, 1958

Helen and I attended the Roger Samuelsen-Collette Morgan post-wedding reception this afternoon.

At the reception I spoke with Greg Engelhard about the apparent difficulties he and Bud Hastings have had getting along and told him that I want the two of them to get together to iron out their differences.

At about 8 p.m. I called Bud Hastings and told him the same thing. I will ask Anna Carol to set up an appointment first with Hastings, then followed ten minutes later with Hastings, Engelhard and Sherriffs. I also personally told Hastings not to sign up with Burgermeister Beer unless I let him know that I have changed my view by Tuesday of this week.

I went over the draft of my Welcoming Address to the students, which Alex Sherriffs has prepared for tomorrow.

Monday, September 15, 1958

Today is the first day of the Fall Semester. My first official duty of the new academic year as Chancellor was a rather pleasant one, delivering the Welcoming Address to the students at the 9 a.m. orientation meeting in Dwinelle Plaza. The first welcoming remarks of the morning were delivered by Neil Ross (Orientations Council Chairman). Ross then introduced Robert Paul Commanday (conductor of the Treble Clef Society and the Glee Club). The treble clef group sang "How Merrily We Live" and were followed by a medley of fight songs rousingly performed by the Glee Club. After the combined groups closed with "Hail to California", Ross introduced me. I made the following brief remarks:

> "Greetings!
>
> This must seem, and it is, a big place. Have courage. It will appear to become smaller and more manageable when you become better acquainted with it. Berkeley must seem big for: a) you are one out of almost 20,000 students, and b) you are on a campus which has some 73 teaching departments: you may never have heard of some of these departments. (Perhaps some of the names you cannot pronounce, and I know from experience that there are some, the names of which you cannot spell.) Should you wish to have a "complete" education at Berkeley and take every course offered, you could do it, carrying a normal load- in a little over 300 years.
>
> Our university has this characteristic of bigness; but it is important to remember that there are many advantages that come from our very size. For example, we have been able to attract an exceptional faculty; we have truly unusual resources for research, and for enriching the teaching

process; there is diversity in our course offerings such as to meet the interests of almost any individual student; and we are able to present a rich program of cultural events. The campus is brimming over with interest, and with activity and recreational groups. Your student government is a vital and significant one. We will soon have a new memorial union within which a program to enrich student life will flower. Our new residence halls will give us much more of the feeling of a resident campus. You have an opportunity before you to make the most of your brief four years of undergraduate life. Much of the outcome will be up to you.

We hope that you are here for the reasons that we are here to work with you: a) because it is wonderful to be curious and excited about the world around us, and about the nature of man himself, b) because it is rewarding to learn to ask questions which have not before occurred to us- and to learn how to formulate our questions in such a way that they may be answered (at least partially), c) because it is necessary to learn what evidence is, and where and how to find it, and d) because a free society depends for its survival on an educated citizenry. If you are here for reasons such as these, you will be rewarded. On this campus you will find a congenial atmosphere and unlimited resources. Whatever your interests you will find people with these same interests. Your teachers will be persons working on the frontiers of the areas covered in their courses. Their excitement about their subject matter is real- and it is often contagious.

This semester I am beginning as Chancellor, you are beginning as students. Let us make the most of the challenges ahead of us."

I was followed by Dean of Students Hurford Stone. Other speakers were: Katherine Towle (Dean of Women), William Shepard (Dean of Men), ASUC President Bill Stricklin, Dick King (ASUC First Vice President), and Suzanne Trees (ASUC Second Vice President).

I arrived back at my own office in Dwinelle Hall shortly before 10:30 a.m., at which time I was scheduled to meet with Milton Chernin regarding his duties as faculty assistant. Chernin asked me what commitment of time I expected him to devote to his new position. When I told him that it was considered a half-time job, he informed me that that would not be possible this year. We agreed that he would dedicate whatever time allowed to the Chancellor's Office. We then reviewed his duties which include: relations with the City of Berkeley, representing me on the City of Berkeley Liaison Committee, the Student Union Advisory Board and the Residence Hall Coordinating Board, matters concerned with Cowell Hospital and the Strawberry Canyon Recreation Area and student academic appeals. We went over the long list of committees on which Chernin is presently serving and agreed that he might be replaced on the Manpower Mobilization Committee, the Social Science Council, the Survey Research Center Committee and the BCD Library Subcommittee. He will continue to serve on the five other committees to which he is presently committed and which we agreed are important to either his professional work (related to Social Welfare) or to his role in the Chancellor's Office.

Today is also Errol Mauchlan's first day at his new job. Gene Lee (whom Mauchlan is replacing) dropped by for a few minutes to discuss Mauchlan's official title. The Personnel Office has suggested a more general title (Administrative Analyst IV) but I have elected to retain the title of

Administrative Assistant to the Chancellor. Lee also emphasized the need to advise Mauchlan to assume responsibility for making final decisions in certain areas.

I then went up to the Rad Lab to attend the regular Monday lunch meeting of the Nuclear Chemistry administration. After the meeting I conferred with several people on the Hill about the location of the new cyclotron and talked about that and other more general matters with Ed McMillan. I met with Al Kirschbaum at my office in Building 70 to try to convince him of the need to build a high flux reactor at Livermore. I told him much of what I learned in Geneva about the work the Soviets are doing with their reactor and some of my conversations with others attending the Geneva conference. However, I am not at all certain that he was persuaded by my arguments.

At about 3 p.m. I returned to my campus office and looked through the day's mail. I was pleased to learn that the Committee on Committees of the Academic Senate has submitted their suggestions of a panel of faculty names to serve on a committee "to explore the desirability and possibility for closer liaison between the Associated Students of the University of California and the faculty in regard to athletics." Their panel includes Vernon DeMars, Joel Hildebrand, Paul F. Keim, Gerald Marsh, Carl Nordly, John W. Oswald and Dow Votaw. I am particularly glad that Nordly is on their list.

A memorandum from Hurford Stone reports that the Committee on Student Conduct decided to recommend the readmission of Allen Wayne Klugow who was dismissed in June 1956 for his participation in the "panty raid" of May 16, 1956. The Committee accepted Klugow's expression of sincere regret of the most objectionable conduct which brought about his dismissal and the references provided by his employer prior to Army service and by his commanding officer in the Army. I sent a memorandum to President Kerr concurring in the Committee's recommendation for readmission.

At 3:30 p.m. I met with Nathan Snyder to hear his reasons for resigning his position as Acting Chairman of the Department of Nuclear Engineering and his recommendations for his replacement.

Anna Carol informed me that Alex Sherriffs has conferred with the Berkeley police about the Sather Gate problem and they have agreed to try the ivy patch at the corner of Bancroft and Telegraph. Alex plans to release a statement to the press outlining the agreement under my signature which I okayed.

I also wrote to Greg Engelhard asking him to follow up on a request from a university in Mexico that we send them our imperfect or damaged football uniforms.

At Dan Wilkes' request, I provided the University Extension with a statement regarding the correspondence course they are offering in connection with Harvey White's course for NBC:

> "The growing use of the medium of television as an instrument of learning is an encouraging development to everyone who is concerned about the quality of American education....This will be a fine contribution to the improved teaching of science in the schools and should be of interest to a large section of the general public as well..."

Helen and I arrived at the Alumni House early for the orientation reception for new faculty. The meeting began at 8 p.m. with a description of the statewide system by Clark Kerr

I then spoke about the Berkeley campus. I introduced the three vice chancellors with a brief description of their roles. Then I rolled out the impressive statistics about our campus:

-expected enrollment of almost 20,000 students
-1,135 FTE faculty
-5 colleges, 9 schools, 73 departments
-5 Nobel Laureates
-35 National Academy of Sciences members (58 statewide, second only to Harvard's 61)
-190 Guggenheim Fellowship winners (compared to Harvard's 146).

I talked briefly about the Academic Senate and the concept of faculty self-government and announced the subjects of presentations at the October 2nd orientation meeting, which will include a description of the working of the Academic Senate and the committee system, procedures for applying for research grants, overview of the University's employee benefits and an introduction to the University library system. I invited wives of faculty members to attend the coffee hours on September 17th and 19th. I concluded my talk with praises for our University system which provides high quality education for the masses and expressed a hope that I would become well acquainted with them all.

After the reception Clark Kerr and I got together at the Alumni House to talk about a number of matters pending. Clark told me that he has talked with AEC Chairman John McCone, Ed McMillan, Luis Alvarez, Ed Teller, Herb York and Regents Ed Pauley, Ed Carter and Gerald Hagar about the appointment of a Director for the Radiation Laboratory. McMillan will be the Director but he understands that he will be over Livermore only temporarily. There will be a Coordinating Board between Berkeley and Livermore laboratories in addition to an overall board for the Radiation Laboratory, Livermore, Los Alamos and the UCLA Project; the Board will be made up of all the Directors and I will be Chairman. Clark told me that McCone has promised to let us know by Wednesday night if Ed McMillan is okay with the Atomic Energy Commission; if so, we will ask for approval of McMillan's appointment at the Regents Meeting on Friday.

I mentioned Teller's desire to crusade against the cessation of weapons testing; Kerr agreed that this cannot be done while he is Director of Livermore. I also informed him of Herb York's desire to return to Berkeley soon and of my idea that he might be a good replacement for Morrough P. O'Brien as Dean of College of Engineering. Kerr agreed that Herb would be a good man for the job and thinks it might be effected next summer.

We also talked about a number of appointments to committees, etc. He notified me that he will not approve the naming of the Art and Anthropology Building after Alfred Kroeber.

He supported my veto of the Burgermeister Beer sponsorship.

I was interested to learn that he is considering creating an all-University Committee on Athletics consisting of the two chancellors and two faculty athletic representatives from Berkeley and UCLA and perhaps a few others under the chairmanship of General Counsel of the Regents Tom Cunningham.

CALIFORNIA MONTHLY, September 1958

Seaborg Named Chancellor at Berkeley

Regents choose a Nobel Laureate to succeed Clark Kerr in guiding destiny of University of California's Berkeley campus

ONE OF THE world's greatest scientists became Chancellor of the Berkeley campus of the University of California last month. Glenn T. Seaborg, who shared the 1951 Nobel Prize in Chemistry, succeeds Clark Kerr who became President of the University on July 1.

Seaborg's appointment was made during the July meeting of the Board of Regents. Currently serving as associate director of the University's Radiation Laboratory, Seaborg will continue to serve in that capacity as Chancellor.

The new Chancellor was born in Ishpeming, Michigan, was raised in Los Angeles and worked as a stevedore before he entered UCLA in 1929. He obtained his Ph.D. on the Berkeley campus in 1937. He was named Alumnus of the Year in 1948.

Since 1941 he has participated in the discovery of all the artificial elements from the atomic energy fuel, plutonium, (element 94) through the recently discovered element 102.

Seaborg is Faculty Athletic Representative for the Berkeley campus and has spoken and written extensively on the need for improving the educational programs of secondary schools.

On his selection to the Chancellorship, Seaborg said, "We have earned the respect of the people of California and of the academic world by tradition. By attracting faculty and students of high caliber. As California citizens send more students to us and we inevitably increase in size, we must redouble our efforts not only to continue but to improve the University's high intellectual caliber. We must exercise care to have a proper balance between the humanities, the professional areas, the social sciences and the physical and natural sciences and we must never allow an overemphasis in any one of these areas of scholarship." ◄

Erich Hartmann, Magnum

CHANCELLOR SEABORG at Radiation Lab where he will continue on as associate director.

New Faculty Members- 1958-59
University of California, Berkeley

Agricultural Biochemistry

David P. Hackett, Assistant Professor

Agricultural Economics

Frederick W. Bauer, Specialist in Experiment Station
Christoph Beringer, Associate Specialist
Vernon W. Ruttan, Associate Research Agricultural Economist

Air Science

Vance F. Mitchell (Major), Associate Professor
Augie T. Ong (Major), Associate Professor
Richard J. Schimberg (Captain), Assistant Professor

Anthropology

Warren Leonard d'Azevedo, Acting Assistant Professor
Seth Leacock, Acting Instructor
Sherwood Washburn, Professor

Architects

Gustavo U. da Roza, Jr., Instructor
Ezra D. Ehrankmaatz, Assistant Research Architect
Rory A. Forseca, Instructor
Thomas Friberger, Lecturer
Howard Hibbard, Instructor in Art and Architecture
Richard C. Peters, Instructor
Torbon G. Strandgaard, Lecturer

Art

Juergen Schulz, Instructor

Biochemistry

Roger D. Cole, Assistant Professor
W. Terry Jenkins, Instructor

Business Administration

Donald Abe, Associate
James L. Blawie, Acting Assistant Professor of Business Law
Carl T. Devine, Visiting Professor of Accounting
Francoise Jacques, Associate
Richard E. Jay, Lecturer
Max Lupul, Associate
Richard Mattessich, Visiting Associate Professor
Lee E. Preston, Associate Professor
Lawrence Remington, Acting Assistant Professor
John P. Shelton, Visiting Associate Professor
David C. Smith, Acting Assistant Professor of Finance
Lloyd Ulman, Professor of Business Administration and Economics

Chemical Engineering

Donald R. Clander, Acting Assistant Professor

Chemistry

Jon B. Applequist, Assistant Professor
Bernard G. Harvey, Lecturer
Samuel S. Markowitz, Assistant Professor
Stanley G. Thompson, Lecturer
George A. Wiley, Assistant Professor

City and Regional Planning

Irwin J. Mussin, Acting Instructor
Albert R. Wagner, Acting Assistant Professor

Classics

John K. Anderson, Assistant Professor of Classical Archaeology

Criminology

David H. Wilson, M.D., Lecturer

Decorative Art

Richard A. Cause, Lecturer
Mae L. Gruber, Instructor
Allen R. Meisel, Instructor

Dramatic Art

William I. Oliver, Assistant Professor

Economics

Roy G. D. Allen, Visiting Research Professor
Edward Coen, Visiting Associate Professor
Edward Heimann, Visiting Professor
David S. Landes, Professor History and Economics
Abba P. Lerner, Visiting Professor
Hyman P. Minsky, Assistant Professor
Henry Rosovsky, Acting Assistant Professor
Lloyd Ulman, Professor of Economics and Industrial Relations

Education

Arthur R. Jensen, Assistant Professor
John W. Loughary, Acting Assistant Professor
Dale P. Scannell, Acting Assistant Professor
Walter R. Stellwagen, Acting Assistant Professor

Engineering

Arthur R. Bergen, Assistant Professor
Gilles Marc Corcos, Acting Assitant Professor
Thomas E. Everhart, Acting Assistant Professor

Chieh Su Hsu, Acting Associate Professor of Mechanics and Design
Toyoki Koga, Visiting Professor
Paul Lieber, Professor of Engineering Science
James K. Mitchell, Assistant Professor, Transportation Engineering
Paul W. Maghdi, Professor of Engineering Science
Frederick S. Sherman, Assistant Professor, Aeronautical Sciences
David Slepian, Visiting Mackay Professor in Electrical Engineering
James Van Ness, Visiting Associate Professor, Electrical Engineering
Shyh Wang, Acting Associate Professor, Electrical Engineering
John V. Wehausen, Associate Professor, Engineering Sciences
Georg Paul Weinblum, Visiting Professor of Naval Architecture

English

Howard Baker, Visiting Professor
Frederick W. Bateson, Visiting Professor
Jackson Burgess, Lecturer
Frederick C. Crews, Instructor
Thomas W. Gunn, Acting Instructor
Robert Hapgood, Assistant Professor
Howard E. Hugo, Visiting Associate Professor
Mary B. G. Land, Lecturer
Brandon P. O. Mehir, Acting Instructor
Sheldon Sacks, Acting Instructor

French

Paul H. Bertrand Augst, Acting Instrucotr
Will Grayburn Moore, Visiting Professor
Estelle Tropanier, Instrutor

Geography

James E. Vance, Jr., Assistant Professor
Paul Wheatley, Visiting Associate Professor

Geology

Dirk deWaard, Lecturer

German

Michael S. Batts, Instructor
James W. Marchand, Associate Professor
Frederic C. Tubach, Instructor

History

Frederick A. Hagar, Acting Instructor
Immanuel C. Y. Hsu, Visiting Assistant Professor
Adrienne Koch, Associate Professor
David S. Landas, Professor of History and Economics
Martin M. Malia, Associate Professor
Stanley I. Mellon, Visiting Assistant Professor
Esther Morrison, Lecturer
Robert C. Padden, Acting Instructor
John W. Rowe, Lecturer
Herbert F. Schurmann, Acting Assistant Professor

Charles G. Sellers, Jr., Associate Professor
Leonard G. Wilson, Visiting Instructor.

Italian

Franco Fido, Acting Instructor

Landscape Architecture

Donald Austin, Instructor
David Chase, Instructor

Law

Valentine Brookes, Lecturer
Thomas L. Christopher, Visiting Professor
Rex A. Collings, Jr., Professor
Geoffrey C. Hazard, Jr., Acting Associate Professor
Robert W. Ohlsen, Associate
Gerald E. Olson, Associate
Richard I. Singer, Associate
Justin Sweet, Visiting Associate Professor

Linguistics

William F. Shipley, Acting Assistant Professor

Mathematics

Charles Ballantine, Instructor
Colin Whitcomb Clark, Instructor
H. Otto Cordes, Assistant Professor
S. R. Foguel, Visiting Assistant Professor
Avner Friedman, Visiting Assistant Professor
Gerhard P. Hochschild, Professor
Helmut Klingen, Visiting Assistant Professor
Andrzejk Mostowski, Visiting Professor
Anil Meredo, Visiting Assistant Professor
Denis Rutovitz, Instructor
John Cedric Shepherdson, Visiting Associate Professor
Roy Takenaga, Instructor
Charles J. Titus, Visiting Assistant Professor
Jean Francois Treves, Assistant Professor
Robert L. Vaught, Assistant Professor
John W. Woll, Jr., Assistant Professor
Erik Christopher Zeeman, Visiting Assistant Professor

Medical Physics

Donald J. Fluke, Visiting Associate Professor of Biophysics

Military Science and Tactics

Samuel Jack Black (Captain), Assistant Professor
Albert Ronald Escola (Major), Associate Professor
Clayton Lyle Wretlind (Captain), Assistant Professor

Music

Arnold Elston, Associate Professor

Naval Science

Clarence J. Busick (Major, USMC), Associate Professor
Charles F. Horne, III (Lt. USN), Assistant Professor
John E. Mishan (Cdr. USN), Associate Professor
Jack E. Russ (Lt. USN), Assistant Professor

Near Eastern Languages

Gene H. Schramm, Instructor

Oriental Languages

Douglas E. Mills, Visiting Lecturer in Japanese

Paleontology

William B. N. Berry, Visiting Assistant Professor
Malcolm C. McKenna, Instructor
Hans Ernst Thalmann, Visiting Professor

Philosophy

John Austin, Visiting Professor
Thompson Clarke, Visiting Assistant Professor
Paul K. Feyerabend, Visiting Associate Professor, Ph.D.
Joseph Margolis, Visiting Assistant Professor
Otto Rebstock, Visiting Instructor
David S. Shwayder, Assistant Professor

Physical Education

Kooman Boycheff, Associate Supervisor
David H. Clarke, Acting Instructor
William Lakie, Junior Supervisor
Alfred R. Mathews, Jr., Junior Supervisor
Leon E. Smith, Teaching Assistant
Thomas S. Yukie, Assistant Supervisor
Irma June Day, Junior Supervisor
Janet Felchin, Instructor
Helen Meleny, Teaching Assistant

Physics

Roy F. Anderson, Research Associate
Robert W. Birge, Lecturer
Frank S. Crawford, Jr., Assistant Professor
Kenneth M. Crowe, Assistant Professor
William B. Fowler, Assistant Professor
George A. Kamper, Lecturer
Heinrich Gerhard Kuhn, Visiting Professor
Donald H. Miller, Lecturer
Georg J. Pfetzer, Visiting Professor
Charles I. Sommerfield, Lecturer

M. Lynn Stevenson, Assistant Professor
Chalres Zemach, Assistant Professor

Physiology

Paola S. Timiras, Assistant Professor

Political Science

Alan Barth, Visiting Research Professor of Governmental Affairs
Conrad Brandt, Lecturer
D. Jay Doubleday, Lecturer
Ernst Fraenkel, Visiting Professor
Carl J. Rosberg, Jr., Visiting Assistant Professor
John A. Vieg, Visiting Research Professor
John C. Wahlke, Visiting Associate Professor

Poultry Husbandry

Shujire Ariyoshi, Junior Specialist
Alexander M. Dollar, Assistant Specialist
Thomas I. Koike, Junior Research Physiologist
Yuuichi Matsumura, Assistant Specialist

Psychology

Frank A. Beach, Professor

Public Health

Robert C. Cooper, Instructor

Slavic Languages and Literatures

Mieczyslaw Feliks Giergielewicz, Lecturer

Social Welfare

Mildred Alexander, Lecturer and Field Work Supervisor
Alice Barber, Field Work Supervisor
Justine Bland, Field Work Supervisor
Eleanor Mageath, Field Work Supervisor
Charlotte Mounts, Field Work Supervisor
Mary Sarvis, Lecturer
Joann Schreiner, Lecturer
Martin Wolins, Lecturer
Dorothy Williams, Lecturer

Sociology and Social Institutions

Bernard Cohen, Assistant Professor
Charles Glock, Professor and Director of the Survey Research Center
Neil Smelser, Assistant Professor

Spanish and Portuguese

Louis Murielle, Instructor in Spanish

Speech

Ethel Albert, Assistant Professor
William Bright, Assistant Professor
Philip Heron, Jr., Lecturer
Chester Long, Lecturer
Philip Rieff, Assistant Professor

Statistics

Peter W. M. John, Visiting Assistant Professor
Rupert G. Miller, Visiting Assistant Professor
Herbert Robbins, Visiting Professor

Zoology

Richard C. Strohman, Assistant Professor

Visiting Professors at the U.C. Berkeley Campus
Academic Year 1958-59

Name	Department	Home University
Adler, Felix T.	Nuclear Engineering	Uni. of Illinois
Allen, Roy G. D.	Economics	London School of Economics
Austin, John L.	Philosophy	Oxford University
Baker, Howard	English	Self Employed
Barth, Alan		Governmental Affairs Washington Post
Bateson, Frederick W.	English	Oxford University
Bate-Smith, Edgar C.	Agriculture	Cambridge, England
Berry, William B. N.	Paleontology	Uni. of Houston
Birdsall, Charles K.	Electrical Eng.	
Booth, Cameron G.	Art	Uni. of Minnesota
Bourneuf, Alice E.	Economics	Mt. Holyoke
Brand, Howard	Psychology	Uni. of Connecticut
Casey, Ralph D.	Journalism	Uni. of Minnesota
Cheit, Earl F.	Economics	Uni. of Minnesota
Cherry, Herman	Art	Self Employed
Christopher, Thomas N.	Law	Emory University
Clarke, Thompson M.	Philosophy	Uni. of Chicago
Coen, Edward	Economics	Uni. of Minnesota
Dagens, Jean	French	
Deese, James E.	Psychology	John Hopkins University
Devine, Carl T.	Business Adm.	Uni. of Florida
Drachkovitch, Milorad	Political Science	
Ervin, Susan M.	Psychology	Harvard School of Education
Fagin, Henry	Govn't Affairs	Regional Plan. Assoc. N.Y., N.Y.
Farr, Newton C.	Business Adm.	Self Employed
Feyeraband, Paul K.	Philosophy	Uni. of Bristol
Fluke, Donald J.	Biophysics	
Foguel, Shaul R.	Mathematics	New York University
Fraenkel, Ernst	Political Science	Free Uni. of Berlin
Friedman, Avner	Mathematics	Indiana University
Geist, Sidney	Art	Self Employed
Getz, Jan	Engineering	Inst. of Norway
Gordin, Sidney	Art	Sarah Lawrence College
Heimann, Edward	Economics	New Sch. for Soc. Res. N.T.
Hermes, Hans	Philosophy	Uni. of Muenster, Germany
Himmelweit, Mrs. Hilde T.	Psychology	London School of Economics
Hsu, Immanuel C. Y.	History	Harvard University
Hugo, Howard E.	English	Brooklyn College
John, Peter W. M.	Statistics	Richmond, California
Klingen, Helmut	Mathematics	Math. Inst. Uni. of Gottingen
Koga, Toyoki	Mech. Engineering	Nagoya University
Kourganoff, Vladimir	Astronomy	Minister Education Nationale, France
Kuhn, Heinrich	Physics	Oxford, University
Lerner, Abba P.	Economics	John Hopkins University
Lozier, John C.	Electrical Eng.	Bell Telephone
Margolis, Joseph	Philosophy	Uni. of South Carolina
Mattessich, Richard	Business Adm.	Mt. Allison University Canada
Mellon, Stanley I.	History	Uni. of Michigan
Merritt, Benjamin D.	Classics	Inst. Adv. Study Princeton

Milgram, Arthur	Mathematics	
Miller, Rupert C.	Statistics	Stanford University
Mills, D. E.	Oriental Lang.	Uni. of London
Mostowski, Andrzej	Mathematics	Uni. of Warsaw, Poland
Mottelson, Ben R.	Physics	CERN, Theoretical Study Div. Copenhagen
Nerode, Anil	Mathematics	Inst. for Adv. Study, Princeton
Nutku, Ata	Naval Architecture	Istanbul Tech. University
Pfotzer, Georg	Physics	Max-Planck Inst., Ravinsburg
Polya, George	Mathematics	Stanford University
Pratt, Carroll C.	Psychology	Princeton University
Rasmussen, Steen E.	Architecture	Royal College of Art, London
Ratoosh, Philburn	Psychology	Ohio State University
Rebstock, Otto	Philosophy	
Robbins, Herbert E.	Statistics	Columbia University
Rogers, Erneste N.	Italian Culture	
Rosberg, Carl G., Jr.	Political Science	African Res. & Studies Program Boston University
Salton, Milton	Bact.	Univerity of Manchester
Schmetterer, Leopold	Science	Math Inst., Hamburg, Germany
Shelton, John P.	Business Adm.	Claremont College
Shepherdson, John C.	Mathematics	Bristol University
Shoenfield, Joseph R.	Mathematics	Duke University
Slepian, David	Electrical Eng.	Bell Laboratories
Slivka, David	Art	Self Employed
Smith, K. F.	Physics	Cambridge University
Solomon, Herbert	Statistics	Teachers College, Columbia Uni.
Spender, Stephen	English and Lit.	Editor Encounter
Steers, J. Alfred	Geography	Cambridge University
St. Lawrence, Patricia	Genetics	Stanford University
Sweet, Justin	Law	Self Employed
Taft, Philip	Business Adm.	Brown University
Titus, Charles J.	Mathematics	Uni. of Michigan
Thalmann, Hans E.	Paleontology	Stanford University
Tolles, Frederick B.	History	Swarthmore College
Underwood, Benton J.	Psychology	Northwestern University
Van Ness, James E.	Electrical Eng.	Northwestern University
Vieg, John A.	Political Science	Pomona College
Von Hofe, Harold	German	U.C.L.A.
Wahlke, John C.	Political Science	Vanderbilt University
Welch, George S.	Psychology	Uni. of North Carolina
Weinblum, Georg P.	Naval Architecture	Inst. Schiffbau, Hamburg
Wheatley, Paul	Geography	Uni. of Malaya, Singapore
Williams, Frederic C.	Electrical Eng.	Manchester University
Zerman, Erick C.	Mathematics	Cambridge University

Tuesday, September 16, 1958

This morning's Daily Cal carried my official Welcome Message to the students (which was drafted by Dan Wilkes),

> "In all my 29 years of association with the University of California, as undergraduate, as graduate and as faculty member, I have had no more pleasant duty than this: to extend warm welcome to all of you, both new and returning.
>
> In common with each of you, I am beginning a new phase of learning and living. It is my hope that each of you feels, as I do, that this is his time of greatest challenge and opportunity.
>
> The intellectual soil of the University is rich. But it is worth remembering that the ablest and most willing faculties and the most extensive libraries and laboratories can avail you little unless you give of yourself more than you receive. There is no GI educational uniform that comes at the end of four years. It is for you to seek, in this seeking environment, the nutrients of our rich soil that will best nourish your individual talents.
>
> If you find in your search here the ideals, meanings and the techniques for a satisfying, effective way of using your life, then society will be repaid for its support of the University; and you will have begun to discharge your debt to society.
>
> I trust that I need hardly admonish you to take advantage, to the extent that your studies permit, of the wide range of student and social activities. For play and good fellowship can enrich your life here and help form the foundation of your life in the future."

I met with Bill Fretter in my Dwinelle Hall office to discuss the duties of his new position as faculty assistant. We agreed that he will be primarily responsible for the following areas: the Marine Biology Laboratory, the Naval Biology Laboratory, the Environmental Physiology Laboratory, the Computer Center, Radio Astronomy, educational television, physical planning for Physical Sciences departments, certain research institutes, and problems concerning Regulation 17 (rules governing speakers on campus). Bill will get together with Ed Strong to work out the division of responsibilities for various research institutes.

I received a memorandum from Clark Kerr, responding to my report to him of August 28th concerning the Weiner-Southern Seas case. It directs Greg Engelhard to meet with Wilbur Johns as soon as possible to prepare a joint report on the charges against Berkeley and the procedure followed by Los Angeles, "to be submitted in the immediate future". Clark goes on to say,

> "Certainly the importance of the joint agreement made March 18, 1958, between the Berkeley and Los Angeles Faculty Representatives and the Directors of Athletics, has now been re-emphasized for us. If the University of California is ever to put a football on a plane beyond public reproach, alleged unethical recruiting practices by individuals and booster clubs must be clearly and promptly investigated, and the relations between Los Angeles and Berkeley placed on a level above the personal and impetuous approach."

He states that he intends to discuss this further with Ray Allen and me at the Santa Barbara Regents Meeting this week.

I wrote to Sigvard Eklund to inquire about instructions for preparation of my manuscript, "Recent Developments in the Field of Transplutonium Elements", for publication in the proceedings of the Second International Conference on the Peaceful Uses of Atomic Energy.

At 10:15 a.m. Gloria Copeland called to tell me that Clark Kerr wants Harvey White and me to make a presentation on educational television before the Regents Committee on Educational Policy at the October Regents Meeting in Davis. I called Harvey at NBC in New York to ask him if he will be able to participate. He thinks that it will be difficult for him to get away at that time. However, he will try to arrange it and will let me know soon. Harvey told me the good news that over 300 colleges are now offering credit for the "Continental Classroom" series.

Roger Thompson (a reporter for the San Francisco Chronicle) called requesting a quote from me on White's new television program. Kitty Malloy called him back with the following quote:

> "The shortage of science teachers and the great increase of information in this area demands the introduction of new techniques in teaching. In my opinion, television offers one of the most important solutions to this general problem."

Lincoln Constance and I met at 11 a.m. in my office. Among other things, we discussed the chairmanship poll taken for the new Department of Virology. Wendell Stanley was the unanimous first choice for Chairman; I will notify him of his appointment. We also talked briefly about the continuing battle for space between the Biochemistry and Virology Departments; I told Constance that Ed Strong will be negotiating some resolution.

Clark Kerr has expressed his interest in having someone from the Philosophy Department on the Social Science Council. We agreed that it would be appropriate to ask Ed Strong for a suggestion. (After all, Strong is a Professor of Philosophy.) Then I may ask Constance to get in touch with the department on this matter.

The regular Tuesday Chancellor's Cabinet meeting was held at noon in the Conference Room. Present were: Milt Chernin, Bill Fretter, Jim Hart, Gene Lee, Errol Mauchlan, Kitty Malloy, Alex Sherriffs and Ed Strong. We reviewed the list of areas in which Fretter and Chernin will be working. Each staff person made a progress report on their particular assignments.

Ed Strong informed us that he is proceeding on Dean William Prosser's proposals for the Law School 1960-61 after requesting the Budget Committee's advice and comments (particularly regarding off scale and over-scale appointments).

He also advised us that the entire proposal for the reorganization of Engineering will be presented to Mike O'Brien and circulated among staff members for additions/suggestions. The long range academic plan for Engineering will be put on the agenda for the Academic Advisory Committee (AAC) meeting on October 1st. Gene Lee agreed to get the budget proposals to

Strong immediately. We announced that Larry Grossman will be appointed Acting Chairman of Nuclear Engineering and Clyne Garland will be appointed Acting Dean of Engineering while O'Brien is on sabbatical.

Jim Hart reported that in connection with President Kerr's inauguration he has drafted a letter to all state legislators in this area. He has also been working on the visit from representatives from the Association of Universities of the British Commonwealth (Wednesday-Friday of this week), on determination of the sites for the undergraduate library and humanities buildings, on Proposition 3 (building program for state institutions), and on a new program for the loan of works of art to students initiated this semester.

I asked for suggestions for a Berkeley faculty presentation at the November Regents Meeting. One suggestion was that we present the history of the library with particular attention to the story of the Bancroft Library. I feel that we might wish to develop a list of possibilities for these presentations throughout the year and assigned Jim Hart the job of coming up with the proposals.

I also informed the Cabinet that I will be reporting on the status of non-faculty research personnel at the meeting of the Council of Chief Campus Officers tomorrow night. I encouraged them to think of creative solutions to this problem and share them with me immediately.

We had a general discussion about University Meetings. It was decided that Dorothy Powell will be in charge of the arrangements for these meetings. We hope to get Ambassador to the United Nations Charles Malik to speak at the first University meeting in October.

It was agreed that the program of distributing the Daily Cal to faculty is a valuable one and should be continued. (This operation costs about $2,000 per year. I will ask Bud Hastings to make a contribution from the Associated Students for this.)

I also notified the staff that Kerr has asked for a recommendation regarding the purchase of the Chaparral Hill property and that C. W. Brown is looking into it for this office.

Francis Violich (Chairman of the Department of City and Regional Planning) kept an appointment with me at 2:30 p.m. to acquaint me with the history of his department and to describe the imminent consolidation of the departments of Architecture, Landscape Architecture, City Planning, etc. into the "College of Environmental Design". He asked me if in the meantime he might continue to have direct contact with the Chancellor's Office; I said yes and asked him to work through Ed Strong.

Patent No. 2,852,336 was issued to Iz Perlman and me today for the Peroxide Process for Separation of Radioactive Materials.

Wednesday, September 17, 1958 - Berkeley- Santa Barbara

I rode with Stan Thompson from my house in Lafayette to the Radiation Laboratory, where I attended a meeting of the Associate Directors beginning at 9 a.m. At the meeting I explained the situation regarding the future of Donner Laboratory and I believe that I convinced John Lawrence that he should

settle for an additional story on the existing structure now, with the hope of moving into a bigger building with room for expansion in the biological sciences section of the campus (northwest area) in the long run. I also said that I think it would be better if he can get complete financing through the Atomic Energy Commission if he hopes to advance the date of the larger building.

Before returning to the campus I also met with Ken Street to discuss further the relationship between the Radiation Laboratory and Livermore.

After lunch I went down to my Dwinelle Hall office and signed a number of letters. A letter to John Lawrence (drafted by C. W. Brown) formally reiterated what I told John this morning. I also signed a letter to Wally Reynolds (Business Manager at the Radiation Laboratory) with more or less the same information and perhaps more emphasis on the advisability of submitting proposals to the AEC for funding a new building for the Medical Group.

Harvey White telephoned to say that he will be able to participate in the presentation on educational television at the October Regents Meeting.

Clark Kerr wrote me a memo transmitting copies of previous correspondence to and from Pacific Gas and Electric Company which plans to build a nuclear power station at Bodega Head, regarding the acquisition of a part of the site for a marine biology station there. Kerr's note pointed out the urgency of the University's need and his desire that I enter into discussions with PG&E about "joint possible usage".

A letter from Wallace E. Cake (Vice President of the U.S. Rubber Company) congratulated me on my appointment as Chancellor and suggested that, in view of my new responsibilities, I might wish to modify my consulting agreement with them. I heartily agree and today returned the new agreement to Cake, signed.

Today's Daily Cal carried the press release from Alex Sherriffs regarding the new policy on Sather Gate:

> "Desiring to preserve for the campus the valued tradition of Sather Gate the University with the cooperation of the city of Berkeley has been able to work out a new location, for the present, at least, which is central to student traffic.
>
> Such activities as were appropriate at Sather Gate may in the future be carried on at the northeast corner of Telegraph Avenue and Bancroft Way, only provided there is no obstruction of the sidewalks and streets in the area."

The statement goes on to describe where the speakers should stand and the ivy patch where students, desiring to listen, might stand. The Daily Cal article then goes on to describe the objections to this policy from SLATE (primarily the lack of space and the heavy traffic at the Telegraph-Bancroft intersection; however, also the loss of tradition) and the proposal from SLATE that we enact a special regulation governing the use of the Sather Gate area. The SLATE proposal would make the area subject to regulations similar to those previously applied by the City of Berkeley:

> "Permission to hold meetings would be obtainable from the chief of the campus police rather than through the more complicated and restrictive procedures required by University Rule 17."

I noted that formal publication of my book, The Transuranium Elements, at Yale University Press is today.

I telephoned Frank Kidner to tell him that the Dickerson-Weiner matter is now receiving very serious attention from the Regents. Greg Engelhard has a sharp letter from the President asking for action in his adjudication with Wilbur Johns on the Weiner matter. Frank told me that as a result of his investigation in the preparation of a petition for eligibility, he learned of some further misunderstandings about the rules. In view of that mixup and the Dickerson mess, Frank has decided to call a meeting tomorrow morning to admonish the athletic people to obey the Pacific Coast Conference rules this last year and especially in view of the present situation.

At 4 p.m. I left for the San Francisco airport in a University car. Lewis Robinson (Daily Cal) rode with me and interviewed me en route on my chancellorship.

I left San Francisco on United Airlines Flight #350 which arrived in Santa Barbara at 7:15 p.m.

I went directly to the Biltmore Hotel, where I will be staying, and attended the dinner and meeting of chief campus officers in the La Fonda Room there. My presentation on non-faculty research personnel was deferred since we ran out of time. I did have a chance to speak with Clark Kerr and Ray Allen about athletic matters, including the Dickerson-Elliott row and the need to avoid such affairs by use of the Coordinating Athletic Council.

Thursday, September 18, 1958 - Santa Barbara

During a luncheon held in Room 1128 of the Classroom Building on the Santa Barbara campus, I had an opportunity to speak with John Saunders (Provost of San Francisco). He wanted to confer with me about 1) the closer integration of the San Francisco School of Medicine and the U.C. Medical Physics Group (John Lawrence, et. al.) and 2) Choh Hao Li's move to San Francisco. Saunders told me that he is issuing a new invitation from the San Francisco campus to Li and that he has interested some people at the medical school in cooperating clinically with Li.

At Clark Kerr's request, Ray Allen and I met after lunch to talk further about the Coordinating Athletic Council we discussed last night. We agreed to create the council and that it would be composed of two chancellors, two athletic directors, two student body presidents, two presidents of alumni associations, two vice chairmen of academic senates and Tom Cunningham as Chairman.

One of the first priorities of such a council would be to look into ways of putting athletic programs on a more desirable financial basis. We agreed that we will hold another meeting next week and invite Brad Booth, Frank Kidner, Greg Engelhard and Wilbur Johns to join us.

Allen feels very concerned about the proposal to put the athletic directors and coaches under the authority of the Regents; he would like a study of the situation first.

He also told me that the UCLA people are very worried about Weiner's activities and hope for a quicker resolution of such situations in the future. I told him that Berkeley people are very unhappy about UCLA people interviewing Berkeley athletes to get dirt on us.

At 4 p.m. I joined a group of Regents and CCO's on a tour of the Industrial Arts Building at Santa Barbara.

After dinner at the Santa Barbara Biltmore Hotel there was a meeting of the Committee on Educational Policy. At this meeting, among other things, the Regents voted to establish a new institute for research in atmospheric problems.

The Daily Cal carried an editorial today entitled "Let There Be Light" (referring, of course, to the University motto "Fiat Lux"). The editorial urges the establishment of an "island of free speech" at Sather Gate because this site

> "1) has been traditionally connected with the ideal of free speech, 2) is sufficiently removed from classroom and office buildings and 3) has no other use with which meetings would interfere."

I am pleased to note that the editor does

> "applaud the University and the Berkeley city for respecting this tradition of free speech at Sather Gate to the extent that they took the effort to maintain the tradition...by locating it as near the original site as possible."

However, it ends on a less flattering note:

> "Until a site is reserved for the presentation of any and all philosophies, the University opens itself to the charge that its motto 'Let There Be Light' applies only to its doorsteps."

Friday, September 19, 1958 - Santa Barbara and Home

I attended a meeting of the Regents' Finance Committee beginning at 9:30 a.m. in Room 1131 of the Classroom Building at the Santa Barbara campus. Among other matters, the Committee voted in favor of two resolutions in honor of Ernest Lawrence, as follows:

> " C. That the Ernest O. Lawrence Fund be established as an endowment fund and the income derived therefrom be used to support Ernest O. Lawrence Memorial Lectures, to be given from time to time on any of the University's campuses, on some subject at the forefront of human knowledge; and that attendance at said lectures be open to citizens of the community as well as to students, faculty and staff of the University."
>
> E. That the Chairman of the Board be requested to appoint a Special Committee to consider an appropriate memorial in honor of Ernest O. Lawrence, and the solicitation of gifts and donations therefor, said Special Committee to consist of three Regents, the President of the University, the Chancellor of the Berkeley campus, the new Director of the Radiation Laboratory, and three citizens from outside the University."

Controller Kettler made a report on loan funds in response to a request from Regent Donald H. McLaughlin at the August Regents Meeting. In 1957-58 undergraduates received 78% of the number of loans granted with an average loan of $129; graduate students received an average loan of $280, receiving 38% of the dollar value awarded although only 22% of the number of loans. The Committee also recommended the sale by the University of approximately 1,177,000 board feet of timber from Blodgett Forest, an experimental forest in the Agricultural Service--receipts estimated at $8,500.

Lunch was served in Room 1128 of the Classroom Building at 12:30 p.m.

At 2 p.m. I attended a meeting of the full Board of the Regents in Room 1131. They approved the recommendations of the Finance Committee regarding the Lawrence lectures and memorial.

I left Santa Barbara at 6 p.m. on United Airlines Flight #385 which arrived at 7:55 p.m. at the San Francisco International Airport where I was met by a University car and driven to my home in Lafayette.

Saturday, September 20, 1958

Life magazine has been doing photo series of prominent men recently appointed to important positions (i.e. John McCone when he was appointed Chairman of the Atomic Energy Commission) and is thinking of doing one of me. A photographer (Jon Brenneis) and a journalist (Bill Trombley) will be following me around for the next two weeks. Some of their ideas include pictures of me at the Rad Lab "brown bag lunches", at the football game today, giving a speech, conferring in my office, playing catch with the children at home, golf game, etc. They will begin today by taking photographs of the luncheon at International House and football game this afternoon and visiting my home tomorrow morning. Clark Kerr's inauguration as President of the University next week should provide them with some impressive pomp pictures.

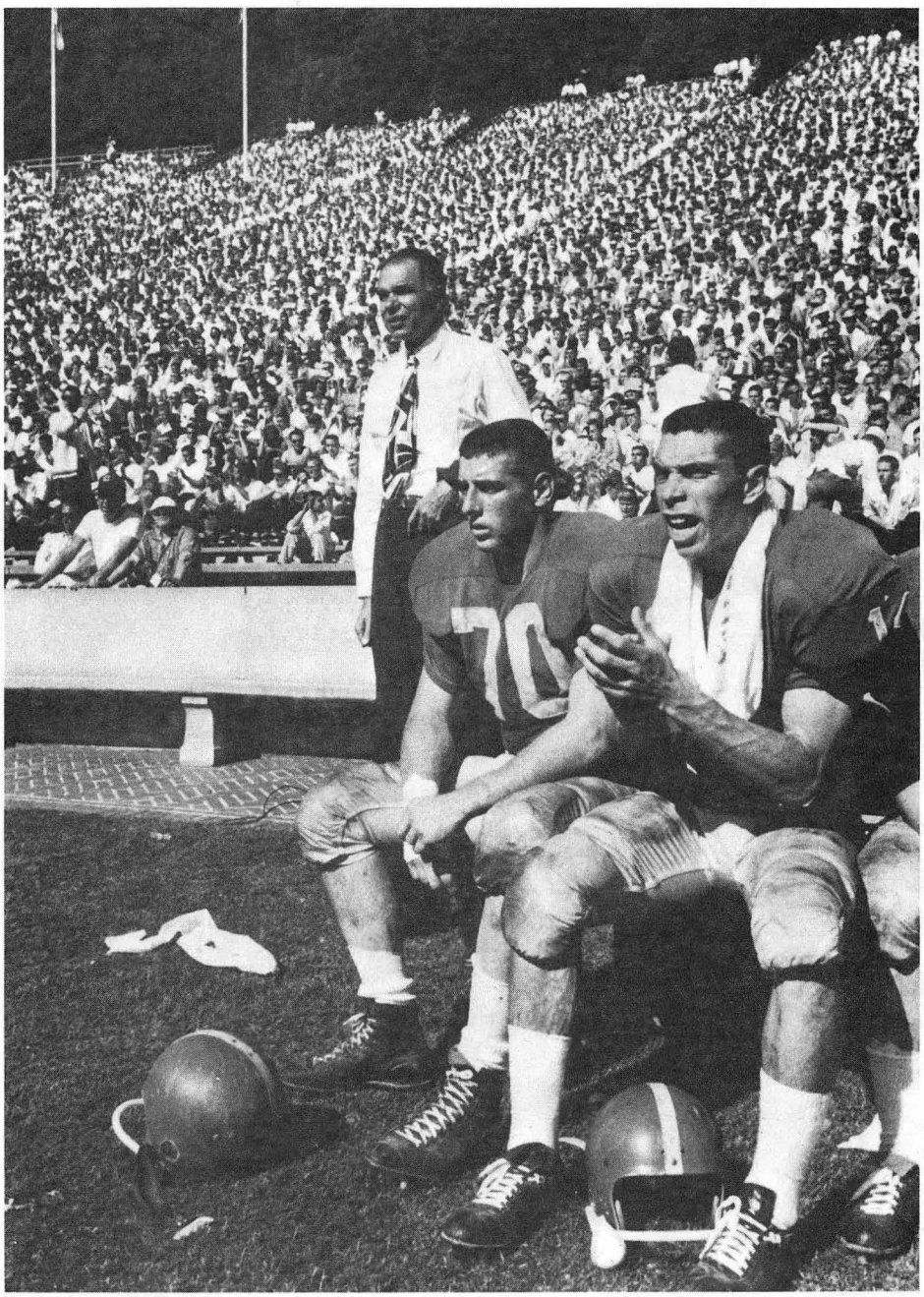
Helen, Dave and Steve accompanied me to the campus in order to attend the football game today. We all went first to a luncheon at International House for 125 editors attending the Fourth Annual Weekly Newspaper Workshop.

I spoke at 12:15 p.m. about the Geneva conference. I told the assembled group about the conference organized by the United Nations, explaining that it was attended by 5,000 scientific delegates and 2,000 official delegates from 67 nations. Covering the conference were over 1,000 representatives from newspapers and radio stations. I talked about the importance of the papers which were presented at the conference and pointed out that their publication would take 33 volumes. I also described the scientific exhibit (and my feeling that the U.S. exhibit was the best by far) and the dozens of receptions which afforded the opportunity for informal exchange of information, remarking that I found the contacts with Soviet scientists particularly interesting and rewarding. I concluded my brief talk with a plea for international scientific collaboration.

My sons, Dave and Steve, were obviously fascinated by the chance to hear their father give a speech

Fourth Annual Weekly Newspaper Conference, September 20, 1958
L to R: Helen Seaborg, Clark Kerr, GTS

Walking from International House to Memorial Stadium with Albert Pickerell
September 20, 1958

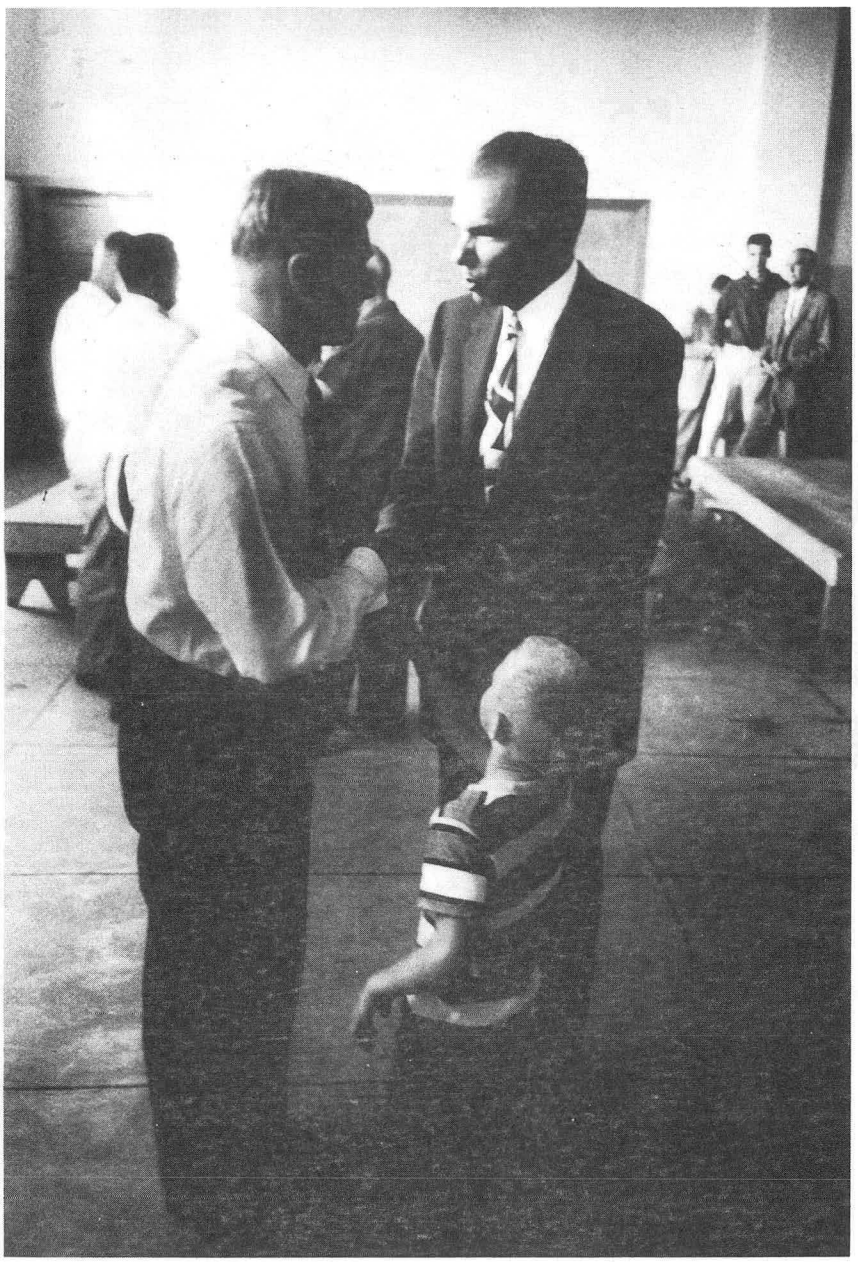


GTS watching football game in Memorial Stadium, September 20, 1958
In the foreground are football players Frank Sally and Hank Olguin

FLYING SERVICE

Watching the football game- GTS, Steve, Dave and Helen Seaborg
September 20, 1958

The football game in Memorial Stadium between Cal and College of The Pacific (COP) resulted in a score of 24 to 20, COP winning.



In the locker room after the game talking with Pete Elliott, whose son also wanted some attention

After the game, we all went to a reception for the Statewide Conference of the California Alumni Association at the home of Dick Erickson (68 Stratford Road, Berkeley).

Sunday, September 21, 1958

At 11 a.m. Herb York visited my home in Lafayette to discuss the relationships between the Radiation Laboratory, Livermore and Los Alamos. I asked him if he would be interested on serving as Dean of the College of Engineering effective July 1, 1959. Herb currently earns a salary of $22,000 as the Chief Scientist at ARPA (Advanced Projects Agency of the Department of Defense). I told him that I thought we might be able to pay $20,000 (based on 11 months) and perhaps an additional $3,000 for the connection with the Radiation Laboratory.

I showed him Ed Strong's reorganization plan for Engineering as he showed some interest in learning more about the travel and research budgets. I also mentioned that he might be involved in our new space program. I think Herb might be interested. He confided that he would have to discuss it with Jim Killian (President Eisenhower's Science Advisor), especially as there may be some problems with getting a release from his present assignment by July 1959. We set a tentative dinner date for October 6th in Washington.

Jon Brenneis (the photographer working on assignment to Life Magazine) visited our home in Lafayette and took pictures of Helen and me and the children, as well as some longer distance pictures of our home.

In the late afternoon and early evening I had a chance to look through some of the papers which I brought home from the Chancellor's Office yesterday. Among them was a note from Anna Carol regarding her latest telephone conversation with Harvey White; it seems that Harvey may not be able to make the presentation to the Regents Committee on Educational Policy October 16th after all.

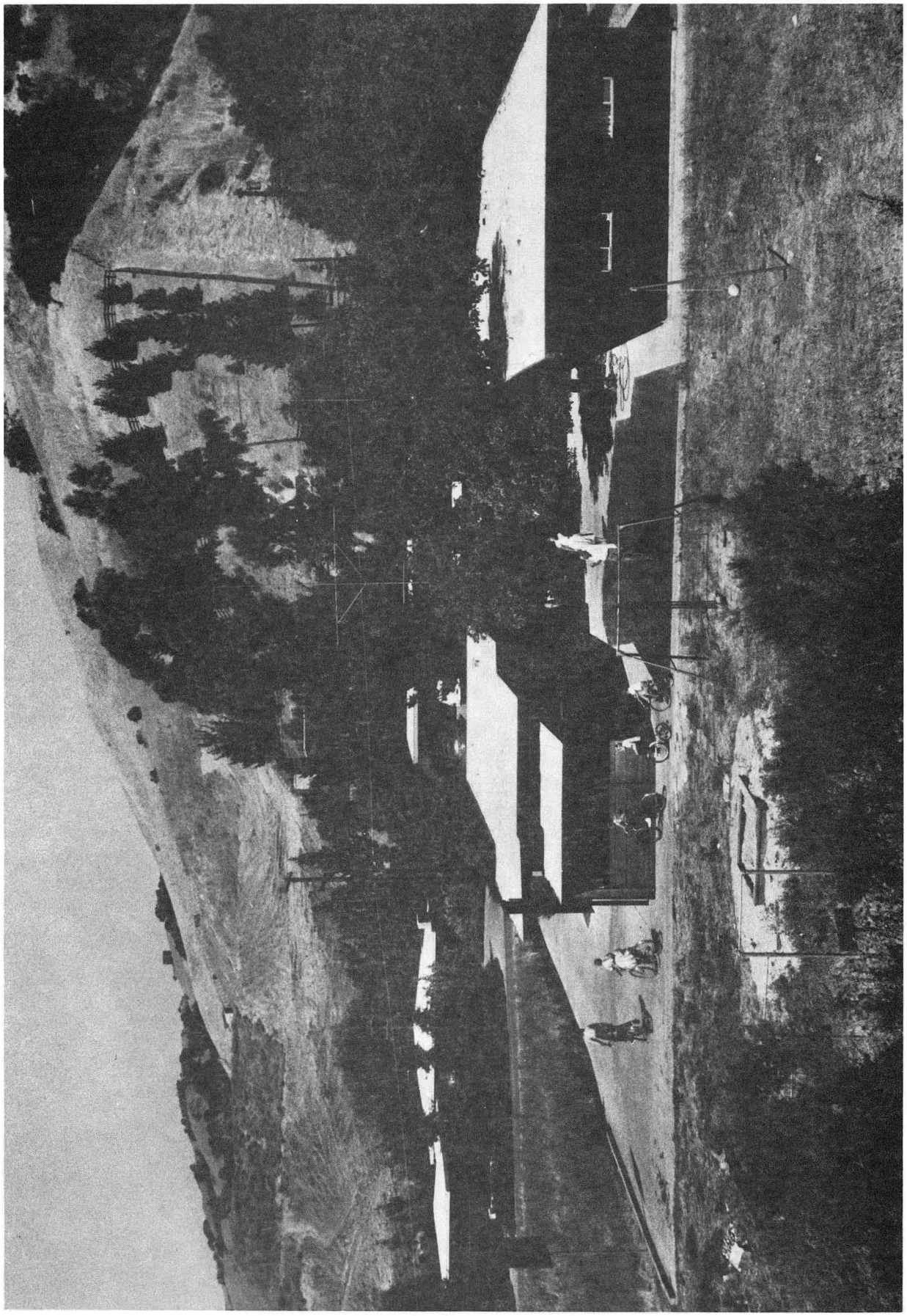
There was also a copy of an amusing note to Anna Carol from Dan Wilkes. Wilkes has seen a copy of my memorandum of my conversations with John McConnell (the organizer of the "World Friendship Fair" for San Francisco) which says:

> "...McConnell's project--one of which is to send up some kind of friendship rocket, or satellite...Mr. McConnell has a long, exotic history. One suggestion made to me was that McConnell go up in his own rocket, as a contribution, albeit a minor one, to the world's well-being."

Needless to say, Dan recommends against my lending my name to any of McConnell's projects.

I signed a form nominating John Rasmussen as one of the "Nation's Ten Outstanding Young Men of 1958" (the program sponsored by the United States Junior Chamber of Commerce).

I read a preliminary registration report from Registrar Clinton C. Gilliam, which shows that 18,099 students registered this week. This represents an increase of 4% among undergraduate students and 15% among graduate students. Of course, late registration is next week so the final figures will not be in for a while.



I also read a copy of a memorandum to files from Bill Shepard regarding the complaints of a Jackson Peters. Mr. Peters, a negro who claims he intended to register as a student next week, maintains that he was physically ejected from Phi Gamma Delta during a rushing function, was asked to leave Lamda Chi Alpha and was advised by Alpha Tau Omega to join a negro fraternity. He stated that he has contacted Franklin Williams (local representative for the NAACP) and that both Mr. Williams and Peters' father, a federal judge, intend to institute a suit against the fraternities and the University. Members of the fraternities deny that any negro visited their houses during rush or that the incidents occurred. There is no record of Peters applying for admission or of a federal judge in Philadelphia by that name. It appears, in fact, that this may be a fabrication--which I certainly hope is the case since any such disgraceful racial incidents would be a genuine embarrassment to the University.

Monday, September 22, 1958

This morning's Daily Cal carried news of the appointment of Edwin M. McMillan as Director of the Radiation Laboratory. I was quoted as follows:

> " Dr. McMillan is a man of great stature, intellectually and in the world of science. He was a close friend, colleague and advisor to Dr. Lawrence and there is no one more intimately acquainted with the program and ideals of the Laboratory. It is worthy to note, too, that Dr. McMillan made some of the discoveries that permitted some of the most important exploitation of the potential of Dr. Lawrence's cyclotron."

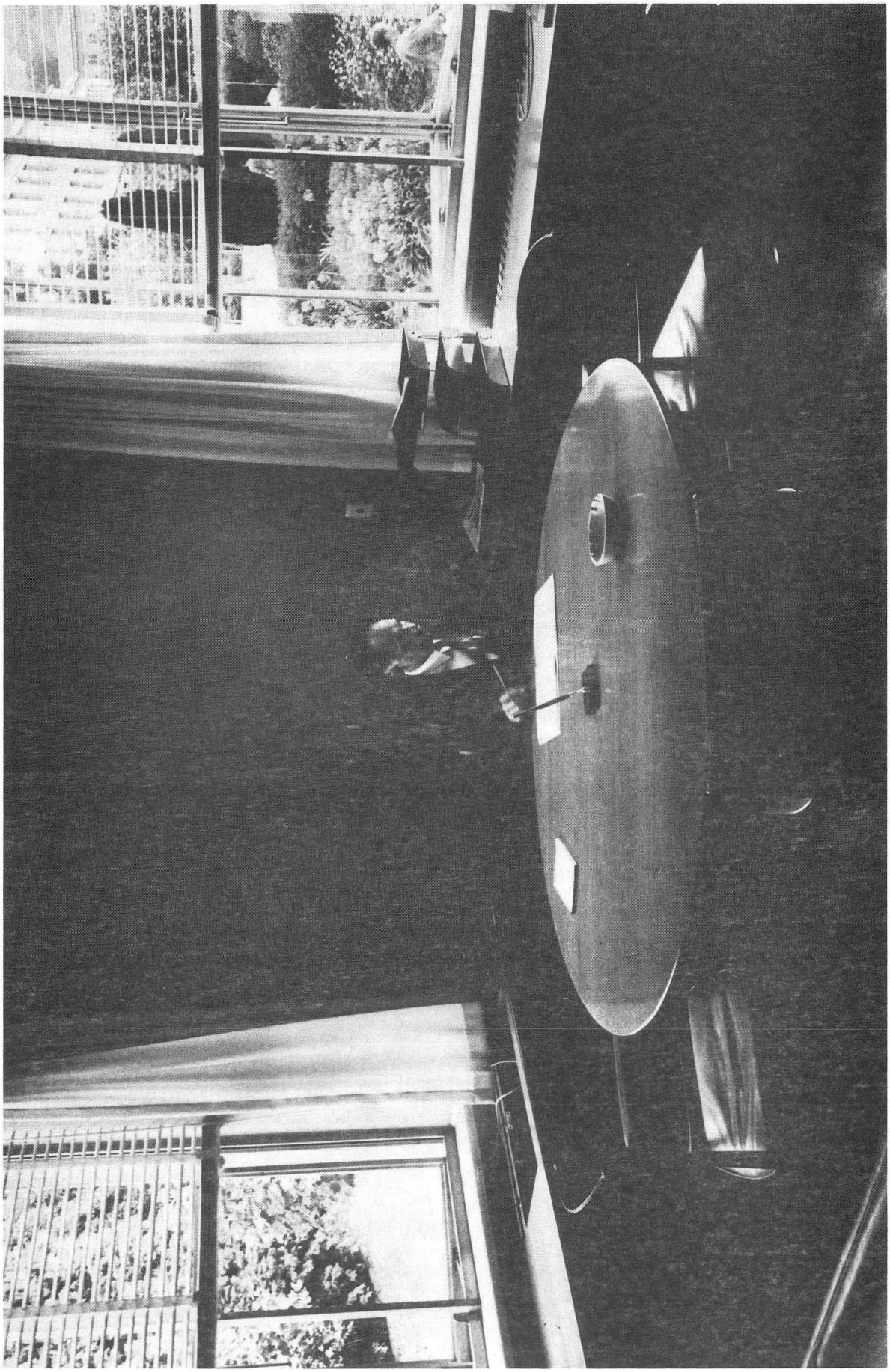
Naturally, the article also pointed out that McMillan and I were co-winners of the 1951 Nobel Prize in Chemistry.

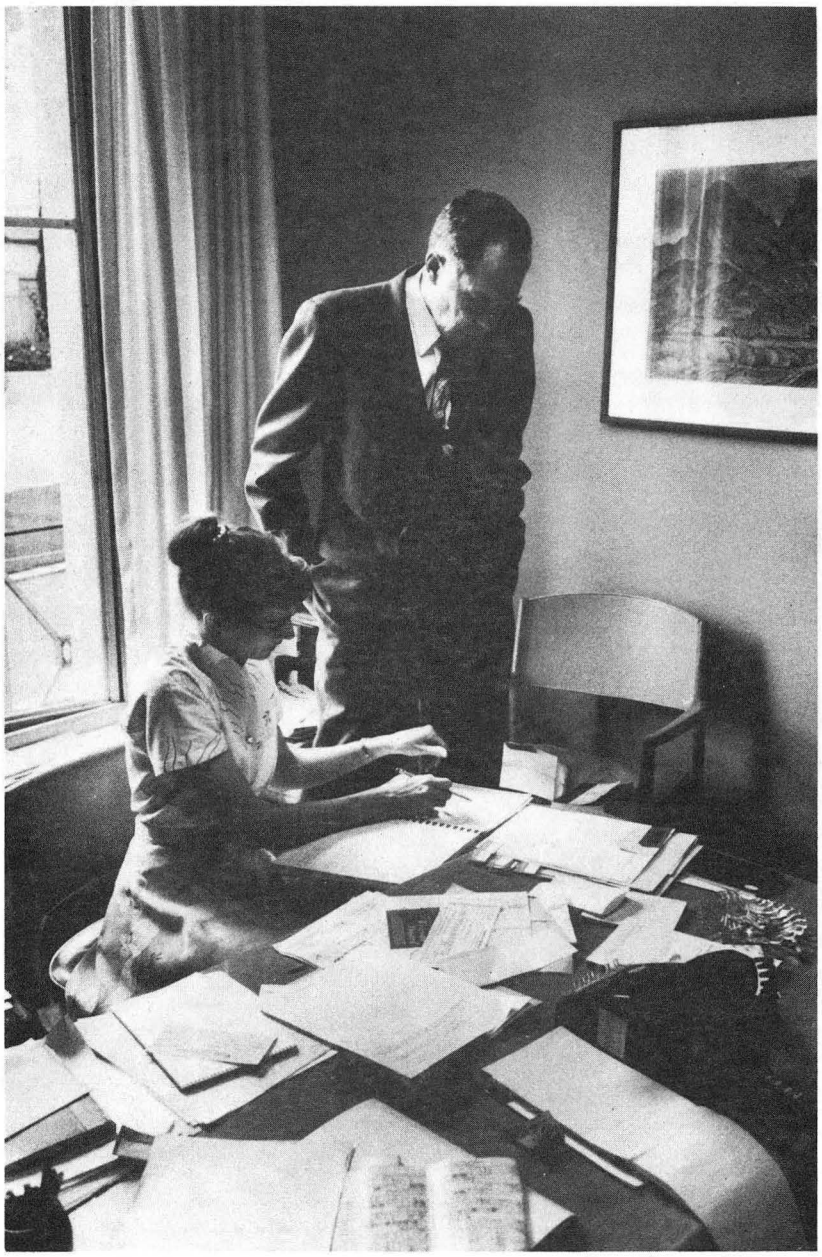
Ken Pitzer phoned at 9:40 a.m. to discuss the selection of a lecturer for the first Ernest O. Lawrence Memorial Lecture, which will be delivered in Berkeley at the time of the November meeting of the National Academy of Sciences. I do not think that Ken's suggestion that we invite Robert Bacher to speak on nuclear test limitations (as he did at the Geneva Conference) is appropriate. McMillan, Pitzer and I will meet around lunchtime to discuss this further.

At 9:45 a.m. Manny Lindner called me from Livermore to inform me that he will be applying for an overseas fellowship (possibly the Guggenheim) in the hope of doing tantalum chemistry under Lars G. Sillen at the Royal Institute of Technology at Stockholm. I agreed to serve as a reference for him.

I called Louis DeMonte to tell him that the Regents passed a $100,000 budget for the renovation of University House. I asked him to keep Mrs. Kerr and me informed of the time schedule for completion of the work.

In the Chancellor's Office, working at my desk with my secretary, Anna Carol Dudley, September 22, 1958





Consulting with Anna Carol Dudley at her desk, September 22, 1958

Jim Hart and I walked over to the Alumni House around 11 a.m. to attend the reception honoring the visiting Administrative Board of the International Association of Universities.

GTS chatting with Milton Chernin and O. W. Wilson at Alumni House, September 22, 1958 (Ed Strong is in the background.)

and with C. W. Brown

GTS with Kay Kerr, the President's wife, September 22, 1958

After the reception I went up on the Hill to the Rad Lab and visited the HILAC briefly before attending the regular Monday lunch meeting of the Chemistry group. (The Life photographer accompanied me to this meeting also--it looks like it will be a case of "me and my shadow" for the next two weeks or so.)

Meeting with Albert Ghiorso at the HILAC, September 22, 1958

I also met briefly with my graduate student, Glen Gordon.

Ed McMillan, Ken Pitzer and I conferred about the E.O.L. Lecturer and agreed that Bill Nierenberg would be an excellent choice to initiate the series.

Talking with graduate student Glen Gordon, September 22, 1958

Meeting of the Chemistry Staff, September 22, 1958- L to R: I. Perlman, A. Ghiorso, J. Rasmussen, T. Steel, S. Thompson, H. Robinson, A. Larsh, B. Harvey, D. Thomas, S. Markowitz, B. Cunningham, D. Templeton, and W. Reynolds

Meeting with Ed McMillan and Kenneth Pitzer, September 22, 1958

At 2 p.m. Ed Strong, Harry Wellman, Mike O'Brien and I met, together with others (see caption), in the Chancellor's conference room to talk about the plan for reorganizing the College of Engineering.

L to R: Errol Mauchlan, Eugene C. Lee, Ellis Groff, Kirk O. Rowlands, Edward W. Strong, GTS, Harry R. Wellman, Clyne F. Garland, Morrough P. O'Brien and Frances Woertendyke

Helen arrived at the Chancellor's Office at about 4:15 p.m. and we went to the reception for the International Association of Universities at the Kerr's home at 8300 Buckingham Drive, El Cerrito. Attending the reception were: President of the Association Jean A. H. Baugniet (University of Brussels) and his wife, and university presidents Herman B. Wells (Indiana University), Htin Aung (University of Rangoon) and his wife, E. J. Bigwood (University of Brussels) and his wife, Marcel F. Bouchard (University of Dijon) and his wife, Fehim Firat (University of Istanbul), Peter Fraenkel (University of Indiana), Alison Groom (McGill University), Monsignor Lussier (University of Montreal), Veli Merikoski (University of Helsinki) and his wife, Salvador Massip (University of Havana), Tatsuo Morita (Hiroshima University), Monsignor Parent (Laval University), Monsignor F. L. R. Sassen (University of Leyden), Bruno Snell (University of Hamburg) and his wife, Constantine Kurayk (University of Beirut), plus Georges Daillant and H. M. R. Reyes and his wife (International Association of Universities), F. Cyril James (McGill University) and his wife, Alvin Eurich (Ford Foundation), John F. Foster (Association of Universities of the British Commonwealth) and his wife, and Mrs. Granville Wells of Bloomington, Indiana.

Beginning at 6:30 p.m. Helen and I hosted a dinner at the International House Sproul Room to which all of the above-listed people were invited as well as members of the Chancellor's Advisory Administrative Council, Vice-Presidents Harry Wellman, Stan McCaffrey, Jim Corley and Richard Stull, Charles W. Jones, W. E. Farnham, C. W. Brown, Donald W. MacKinnon, Raymond Bressler, Stefan Riesenfeld (Acting Chairman, Institute of International Studies), Denzel Carr, Allen Blaisdell, Melvin and Genevieve Calvin, and Keith Arnold (Director of the Range and Forest Experimental Station and a friend of one of the delegates). I made some welcoming remarks after dinner describing the University of California and the Berkeley campus.

Following the dinner Helen and I joined the delegates at Hertz Hall and enjoyed a program of chamber music performed by the Griller String Quartet and members of the University of California chamber orchestra.

Tuesday, September 23, 1958

My day began rather pleasantly with an appointment at my office in Dwinelle Hall with Bob Robinson, a very enthusiastic "Bear Backer". Bob and I talked generally about athletics. I described to him the formation of the AAWU and my strong belief that this athletic association will have smoother sailing than the PCC. We also talked about our hopes for this year's football team.

Beginning at about 9:30 a.m. Alex Sherriffs and I met with Bud Hastings to talk about some of the problems between Hastings and Engelhard. (Alex mentioned to me that he spoke with Ray Allen immediately before our meeting. Allen called to confirm a teletype he received from Clark Kerr instructing him to set up a meeting for the Athletics Council next Monday, September 29th, in Sproul Hall. Alex will inform Frank Kidner and Tom Cunningham; Ray Allen will contact Brad Booth. Clark Kerr will attend the first few minutes of the meeting to give instructions.)

Greg Engelhard joined us in our discussion at 9:45 a.m. The main difficulty between Hastings and Engelhard has been Hasting's reluctance to delegate. He tends to want to have "his finger in every pie". I hope that we will see a change in this pattern as a result of this morning's conversation.

After this conference I called Clark Kerr to get further clarification about the athletic meeting he has asked Ray Allen to call. Clark told me that Tom Cunningham has suggested that athletic directors and main coaches receive appointments as supervisors and/or lecturers. This would serve as a joint appointment and would, of course, require approval from the Regents. The advantage would be that it would give us the possibility of indirect turndown. Clark will not be able to join us for the meeting on Monday. He instructed me that our focus should be on how to carry out the Regents' directive. The Regents desire statewide control over Intersectionals and the development of major policy (like the formation of the new conference).

I signed a letter appointing Wendell Stanley Chairman of the new Department of Virology, effective this date until June 30, 1959.

I also wrote to General Randolph McCall Pate (Commandant of the Marine Corps) requesting the extension of Colonel James T. Wilbur's tour of duty as Professor of Naval Science. Wilbur is due to retire in June 1960 and wishes to continue on our campus until his retirement. Both Dean Hurford Stone and Dean Lincoln Constance support this request in Wilbur's behalf and commend him on his work.

Bob Kerley and I met in my office at 11 a.m. to have a general discussion about his duties and authority.

Our regular Tuesday noon "brown bag lunch" Cabinet meeting began on time in the Chancellor's Conference Room. Attending were: Milt Chernin, Bill Fretter, Jim Hart, Errol Mauchlan, Alex Sherriffs, Ed Strong and Kitty Malloy.

I opened the meeting with the announcement that the noon lecture series will begin on October 16th and asked for suggestions on speakers. One popular idea was that we ask Ian Watt to speak on the subject "Britain's Angry Young Men and the Beat Generation".

I also brought up the subject of Harvey White's and my presentation on educational television to the Regents at their October meeting. There will be two presentations: one to the Full Board on Friday afternoon and another to the Educational Policy Committee at the dinner on Thursday evening. John Gardner (Carnegie Foundation) will speak to the Educational Policy Committee at the November Regents Meeting in Berkeley; we have been asked to recommend a person to speak to the Full Board at the November meeting.

Jim Hart has submitted a list of twelve suggestions for this and future meetings which represent people from general or professional disciplines (i.e. Library), humanities, social sciences and sciences. His top choice for the November meeting would be Donald Coney speaking on "Berkeley's Library Resources". I am inclined to select the suggestion of Melvin Calvin speaking on "Research on Photosynthesis". However, I will want to discuss this further and consult with Kerr.

I informed the Cabinet that one of the top priority items for the Regents agendas will be the problem of academic policy for the entire University. Suggestions for study include: admissions policy (how it will reflect the redistribution of students); number, size and composition of campuses; ratio of graduate and undergraduate students; professional schools at new campuses; student-faculty ratio; relations to state colleges; sponsored research; policy

Meeting of the Chancellor's Cabinet- September 23, 1958
L to R: Errol Mauchlan, Edward Strong, James Hart, GTS, Alex Sherriffs, Milton Chernin, William Fretter and Kitty Malloy

on retention of students; curriculum emphasis; faculty recruitment; honors courses and undergraduate seminars; non-classroom educational facilities; educational objectives of the University; critical importance of higher education today and summer operations of the University.

I also told them about the emphasis which Kerr gave at the CCCO meeting in Santa Barbara to the importance of reducing capital improvements programs. Target figures for each campus will be set up and each campus will have to pare its request down to the target figure. We discussed ways of saving money such as saving architects fees and raising money for buildings outside of State funds. I asked Kitty Malloy to pass on this information as well as staff suggestions to C. W. Brown.

Jim Hart reported on the progress being made by the Chancellor's Committee on Proposition #3 (which would provide $200 million in bonds to finance a five year building program). The committee has come up with an impressive plan for coordinating publicity of the critical need for the success of this bond issue on November 4th and for gathering support from various influential organizations both within and outside the campus community.

We also talked about the procedures for determining who will receive merit increases among professors and associate professors available as a result of the $350,000 savings from last year's budget. The Budget Committee will make recommendations following a directive from statewide administration. However, it was felt that it is important that deans have some say in the matter as well, and Ed Strong is convinced that the Academic Advisory Committee should be involved in the determination of policy. It was noted that Gene Lee's recommendation to Wellman that the amount of merit increases for nonacademic personnel be raised from 2.5% to 5% has been denied. Kitty Malloy asked for suggestions for a three-man committee to appraise recommendations for nonacademic increases. Ray Bressler will represent this campus and Kerr will recommend a statewide person. Robert Cockrell (Forestry) was suggested as the third member.

We announced that an all-University administrative manual is being prepared. It will be issued in loose-leaf form and distributed as it is written to get comments.

Ed Strong reported that the reorganization of the College of Engineering is to go to the Regents for approval at their October meeting. The only point left to be settled is the procedure for voting for chairmen and vice chairmen.

The meeting concluded with Kitty Malloy reviewing those items still pending from previous staff meetings which include such things as the selection of a Director of the Student Health Center, funding for distribution of the Daily Cal to faculty, recommendation for purchase of the Chaparral Hill property and representation of the Department of Philosophy on the Social Science Council.

The Cabinet meeting ended at 2 p.m.--just in time for a scheduled conference with C. W. Brown, Donald Coney, Louis DeMonte and Jim Hart about the location of the Undergraduate Library and space for the needed expansion of the Humanities. After discussion of the various alternatives, I approved the proposal that an Undergraduate Library be built directly to the east of the Life Sciences Building and that the surrounding area be re-landscaped for a new plaza between California Hall and the Life Sciences Building.

DeMonte had prepared two schematic designs for the library; I prefer the one which has four stories above ground and a larger ground coverage. The building will accommodate 80,000 square feet above ground and about 25,000 square feet under the plaza area. I also approved the use of 29,300 square feet of Wheeler Hall, 21,000 square feet of California Hall, 2700 square feet of Durant Hall and 6,000 square feet of Dwinelle Hall for Humanities instruction and research space. I urged that the remaining 77,000 square feet needed by Humanities to accommodate the projected enrollment of 35,000 students be placed on the priorities list so that funds will be available for construction at the appropriate time. We did not determine a specific site for a new building to contain that 77,000 square feet.

From 3 p.m. until 4 p.m. I held the first of my Student Office Hours as Chancellor. During that hour Alex Sherriffs and I visited with nine students. Seven of them were bright-eyed freshmen or transfers who simply wanted to meet me and express enthusiasm for the Berkeley campus. They were all quite excited about the college adventure ahead of them and said that they are not overwhelmed by the size of our campus.

A graduate student in Engineering, N. L. Hawks, dropped in to express his indignation about the $6 student fee collected by the ASUC. He seemed to feel better having registered his protest.

The ninth student, Howard Blatner, is apparently a regular visitor at the Chancellor's Office Hour. As Alex put it, he "seems to be one who derives personal satisfaction from knowing important people" and dropping names. On the whole, it was a satisfying hour and I believe that it is important to continue this tradition; among other reasons, I believe it is an important example to faculty.

At 4 p.m. J. Periam Danton (Dean of the School of Librarianship) came in to pay a courtesy call.

He was followed at 4:15 p.m. by Clarence Bullwinkel, a Berkeley car dealer, representing the United Crusade. I agreed to contribute to the Crusade and to help in any way possible to publicize the crusade on campus.

Around 4:30 p.m. Jim Cobble called from Purdue University. He told me that Allan Stoner (a former graduate student of our Nuclear Chemistry group) has submitted a proposal to the Air Force regarding the study of decay schemes and short-lived isotopes. He would like me to read the proposal and give him my comments.

He also told me that they are going to dedicate their reactor on Friday, November 7th, and asked if I could attend. I declined due to the schedule conflict with the meeting of the National Academy of Sciences November 6th-9th. He told me that he has proposed me for the Board of Directors of the U.S. Rubber Company. We will discuss these matters further when I am back east next.

Just before 5 p.m. T. H. Mugford (State Director of Finance) came to my Dwinelle Office to discuss Proposition #3 (or more accurately, to pose for photographs together which will be used to publicize the critical need for approval of this bond issue by the voters). Mugford said that he is:

"firmly convinced it is sound economics to pay part of the state's capital outlay costs through bonds during time of recession when state revenues are low. This is particularly true when we are facing unprecedented growth in population. One of the most alarming policies we could follow would be to interrupt our building program, force our institutions to restrict admissions, and then hope some day to 'catch up'."

I admitted that my main problem as Chancellor is "trying to find space for people" and, mentioning my own five children, stated that the "future of education for our children depends on the passage of Proposition 3." Both the Oakland Tribune and the Daily Cal will carry reports of our meeting tomorrow.

At 7:30 p.m. I attended the regular Tuesday evening Chemical Research Conference in Lewis Hall.

Wednesday, September 24, 1958

I went directly to the Radiation Laboratory to attend a meeting of the Associate Directors at 9 a.m.

After the meeting I had the opportunity to talk with Ed Teller about the computer center. Teller wanted to know if they could get the installation money soon, preferably by the completion date of the math-stat building. I told him that the Regents passed the $100,000 item available July 1, 1959. I explained that the building probably won't be completed until then anyway (despite the scheduled completion in March) and that this is the best we can do. I also pointed out that as far as IBM (which is helping supply computer equipment) is concerned, it can be made to appear that the money will be available in time.

At 10 a.m. I met with Robert de Roos in Perlman's office to discuss the biography he is writing on Gilbert N. Lewis. I recommended that he might also want to speak with Melvin Calvin and that he should definitely read Arthur Lachman's book, Borderline of the Unknown: The Life Story of Gilbert N. Lewis. De Roos was interested in hearing stories of the two years during which I worked with Lewis as a research associate.

Will Dennes called me at 11 a.m. at Perlman's office. He agreed that Ken Pitzer would be a suitable replacement for me on the Executive Committee of the Miller Institute for Basic Research in Science. I said that we will assume for the time being that this institute is the Chancellor's. I then called Pitzer and asked him to serve on the committee, implying that he might be chairman after Dennes' term expires. He agreed to serve.

After lunch with a large group of people on the Hill, I placed a call to John Williams (Atomic Energy Commission in Washington). I told him that I am planning to write Willard Libby regarding the Chemistry Building addition, pointing out that the appointment of Edwin McMillan and Iz Perlman have been made, that we are satisfied with those appointments and that we now want our building.

I dictated a letter recommending Charles J. Gallagher, Jr. (one of our former Nuclear Science graduate students) for a Fullbright Fellowship.

I also wrote Dick Doan (Manager of the Atomic Energy Division of Phillips Petroleum Company) advising him that we wish to have the present napkin ring stringer in L-45 of the M.T.R. replaced by one of the Livermore 4-hole beryllium L-pieces in order to help us to produce valuable amounts of transcurium isotopes.

About 1 p.m. I went down to my Dwinelle Hall office on campus. There I read a copy of a teletype received at my office this morning confirming the meeting of the faculty athletic representatives for Monday, September 29th, at 10 a.m. in Cunningham's office.

Ray Allen also requested instructions from Clark Kerr for use in "formulating the work of the larger committee if it is still your intention to appoint such a committee". He stated that he and Cunningham are assuming that the purpose of Monday's meeting is to explore the relations of the two campuses in respect to recruiting practices and the organizations and accountability of the Department of Athletics.

I appointed a new subcommittee to the Buildings and Campus Development Committee on the use of television, noting,

> "Here at the University we face the prospect that the capital outlay budget will not keep pace with increases in enrollments, and it is important that we fully examine the usefulness of all technical aids to instruction."

The subcommittee will be composed of Mary Haas, William B. Fretter, Charles M. Hulten, Walter D. Knight, Edward G. Sherburne, Jr. and J. Chester Swanson.

I also wrote to Father Joseph Quinn (Director of Newman Hall) expressing the University's continuing interest in the possibility of acquiring their Ridge Road property but explaining how very complex and time-consuming acquisition procedures are.

At 2 p.m. I met with Ed Mossbrugger (Daily Cal) who interviewed me at length about athletics on our campus. Mossbrugger will be writing a series on athletics, examining the dissolution of the Pacific Coast Conference and the formation of the new Athletic Association of Western Universities. He asked me very good questions, showing considerable insight into the problems of intercollegiate athletics.

My work day ended quite pleasantly at the social hour for the Chemistry Department graduate students and faculty held between 4 p.m. and 5 p.m. at Gilman Hall.

Thursday, September 25, 1958- Berkeley- Los Angeles

Iz Perlman and I drove into Berkeley together this morning and went directly to the Rad Lab to attend the regular Thursday morning meeting of the Chemistry Group. Present were: Abed, Albridge, Alexander, Blann, Chanda, Chesne, Chu, Conway, Crespo, Cunningham, Cerny, Diamond, Donovan, Flamm, Gallagher, Gatti, Harvey, Hyder, Jeung, Latimer, Markowitz, McLaughlin, McWhan, Meyer, Michel, Michel, Morton, Navarro, Phillips, Rasmussen, Reeder, Reynolds, Richardson, Ruiz, Shalimoff, Shirley, Sisson, Steel, Stephens, Stone, Strom, Strominger, Templeton, Thomas, Thompson, Viola, Wallmann, Werning, Winsberg, Wilkins and Wu.

OAKLAND TRIBUNE
September 24, 1958

Tribune photo

REDEVELOPMENT PLAN FOR U.C.—Chancellor Glenn T. Seaborg (left) and State Director of Finance T. H. Mugford discuss plans to enlarge Berkeley campus. It would be financed under Proposition 3.

Prop. 3 OK Held Essential to State

BERKELEY, Sept. 24—State Director of Finance T. H. Mugford today held failure to pass Proposition 3, which would provide a $200,000,000 institutional construction program, would mean a serious decline in California's stature as one of the leading and progressive states of the union.

Mugford yesterday conferred with University of California Chancellor Glenn T. Seaborg on provisions of university expansion under the proposed program.

Seaborg said his major problem as chancellor is trying to find space for students on the university campuses.

The measure would give 75 per cent of the money to the university and state colleges with the remainder going to correctional institutions, mental hospitals, youth authorities, veterans homes and other institutions.

Mugford said a bond issue is necessary to get the required money "until we can get out of the recession and maintain a balanced budget."

Raising that sum by taxation would mean excessively high rates, he held.

The measure has endorsement of both political parties and there is no organized opposition.

Joe Werning reported on his determination of a number of ionization potentials using his previously described experimental set-up and the comparison of these results with calculations using the Sara-Langmuir equation. Frank Stephens reported on his work on the Coulomb excitation of the projectile nucleus, Ne^{20}, at the HILAC. The minutes of the meetings of our Nuclear Chemistry group are now being sent to a wide range of scientists--G. T. Seaborg, Winston M. Manning, Stanley G. Thompson, G. Davis (Dave) O'Kelley, Isadore Perlman, Ray W. Stoughton, F. J. Clark, Oliver C. Simpson, Kenneth Street, Jr., James W. Cobble, Gerhart Friedlander, D. J. McCrae, Manne Siegbahn, Robert B. Leachman, Robert Vandenbosch, Richard Wolfgang, and Paul F. Donovan.

After the meeting I dictated a letter to Willard Libby, expressing my conviction that people in the Laboratory have accepted the changes in leadership (McMillan and Perlman) and that it "can maintain its traditional enthusiasm and will continue in scientific excellence." I went on to describe our desperate need for the addition to the Chemistry Building and to ask his assistance in getting the building underway as soon as possible.

I then distributed copies of my Silliman book, Transuranium Elements, to Eileen Carson, Stan Thompson, Al Ghiorso and Burris Cunningham.

At 11:30 a.m. I went down to my office on the campus for a few minutes before the luncheon meeting with IBM.

Today's Daily Cal carried an announcement of the Ernest O. Lawrence Memorial Lectures along with the information that additional funds will be needed to support the series. The fund (currently $10,000) and any further contributions to it will become an endowment fund, and the income derived from it will be used to finance the lectures.

I read a letter from Dick Ring (Purdue University) expressing his appreciation for the opportunity of working at the Rad Lab this summer and asking if I would write a reference for him for a Sloan Foundation Fellowship. I will ask John Rasmussen to draft a letter of recommendation for me.

At noon I drove up to the Claremont Hotel to attend a luncheon in the Colonial Room with representatives from IBM, Bob Kerley, Ed Teller, Louis Henyey and others.

After the luncheon I spoke with Bob Kerley about the funds for Campbell Hall. I asked him to provide me with information about the stipulations for use of the McEnerney Fund. (He volunteered to do this since he had once researched the topic for Clark Kerr.)

I also talked with Teller and Henyey about the problem of getting some of the $100,000 before July 1st for the computer installation at Campbell Hall. I indicated that this probably won't be possible. However, I intend to investigate whether it might be possible to use our own Grounds and Buildings people instead of doing it by contract (at least for the early work) as well as the possibility of the Radiation Laboratory paying half of the costs from their fiscal 1959 budget.

Ed Teller informed me that he will accept my suggestion that Dave Templeton serve as my replacement on the Computer Committee so I will go ahead and make the appointment.

Teller told me that he has come to the view that the Radiation Laboratory and Livermore should continue to be integrated about as they are. I said that that is my present intention and if we have any kind of Coordinating Council, I will decide that later.

We discussed Ken Street's impending transfer to Berkeley next summer and the fact that Harold Brown is probably the best future Deputy Director and later Director of Livermore.

I returned to my office on campus around 2 p.m. where I received a call from Ed Schoenfeld reporting a rumor that Herm Weiner is talking about filing a suit against Sam Balter, the L.A. newsman involved in the Dickerson-Elliott mess last month. I think that would be a very poor idea.

I signed a memorandum to Clark Kerr requesting that $1 million of the Garrett W. McEnerney Fund (which has been allocated to the building of a women's residence hall) be transferred to the Committee on Drama, Lectures and Music effective July 1, 1958 to support an annual program of art exhibitions, an annual festival similar to that which featured the opening of Hertz Hall last year and other activities to provide a "balanced cultural environment".

As an aside, I mentioned that I would like to speak with him about the disposition of $629,000 currently in unallocated status and $375,000 allocated to support a career counseling program.

I wrote to Ewen C. Dingwall (General Manager of the Century 21 Exposition in Seattle) reiterating my feeling that the International Hall of Science at the Brussels Fair was one of the best science exhibitions I have ever seen and forwarding materials provided to me by Robert L. Butendoff (Coordinator of the U.S. exhibits).

Dan Frishman's column, "Bay Land", in today's San Francisco Examiner carried a report of the Jackson Peters hoax. It concluded,

> "NAACP regional director Franklin Williams is smiling skeptically and standing pat. Campus Dean of Men William Shepard says it never happened. Frustrated complainer has enplaned to Philadelphia still muttering."

Judge John W. Lord (whose name was signed on the threatening telegrams) has denied sending any telegrams or having any knowledge of the affair. We were all relieved to discover that this was apparently a put-up job.

I also received a memo reporting that complaints have been received from a prospective liquor dealer who is now brought within the mile limit (the area within which by law no liquor stores or bars can operate) as a result of the expansion of the campus with the construction of the new dormitories. I understand that no existing licenses will be affected by this expansion but it creates a possible problem with dealers who have planned businesses in the area.

The flood of letters congratulating me on my appointment as Chancellor has finally slowed down. I believe that I have managed to acknowledge all of the letters. Today I asked my staff at the Chancellor's Office to prepare a list of all the people who wrote to congratulate me.

At 4:10 p.m. I departed San Francisco on United Airlines Flight #656 which arrived at Los Angeles at 5:50 p.m. I was met at the Los Angeles International Airport by a UCLA car which took me to the Beverly Hilton Hotel where I will stay tonight. As soon as I had checked into my room, I went immediately to the International Room to attend a reception honoring Clark Kerr's inauguration as President of the University. Regent Pauley hosted the huge reception at which there were about 800 guests.

Friday, September 26, 1958 - Los Angeles and Home

Clark Kerr's inauguration today is cause for a great deal of excitement on the UCLA campus since this is the first time that a President of the University of California has been inaugurated at the southern campus.

As soon as I arrived at the UCLA campus, I went directly to Royce Hall to don my academic robe and participate in the formal academic procession. While waiting for the procession to begin, I had a chance to talk with Clark Kerr, Ed Pauley and Ed Carter about my idea of using the money to be raised by the Pauley Committee to establish an Ernest O. Lawrence science museum. Such a museum might house such things as the original little cyclotrons, and the original sample of plutonium and original apparatus used in discovering the transuranium elements. It would be a museum with an international reputation with a great deal of scientific equipment and demonstrations like the Museum of Science and Industry in Chicago and the Deutsches Museum in Munich. They all seemed to think well of the idea. Such matters as the University's involvement or the possibility of state support as well as the site of the museum (Berkeley, Oakland or Golden Gate Park in San Francisco?) remain to be settled.

The academic procession (which I think is always rather impressive) formed at Royce Hall and marched to the Dickson Art Center where the ceremonies were conducted in the outdoor plaza area. The speakers included Governor Goodwin Knight, Donald McLaughlin (Chairman of the Board of Regents), Edgar Lazier (Vice-Chairman of the Academic Senate South), John Vaughn (President of the UCLA Alumni Association), Rafer Johnson (President of the UCLA Student Body) and Nathan Pusey (President of Harvard University and speaker for all the representatives from other universities and colleges present at the ceremonies).

In President Kerr's remarks he said that he had chosen UCLA as the site for his inauguration (the first inauguration of a U.C. president outside of Berkeley) "in recognition of its past accomplishments and the hope they offer for the future of the whole University of California." He added, "UCLA is no longer Little Brother Bruin"--a comment, needless to say, which was very popular with the crowd.

The new University flag was flown for the first time today. It is blue and gold (naturally) with a large "C" surrounded by eight stars (representing the eight campuses of the University) and the University motto, "Fiat Lux", on it.

After the inaugural ceremonies I joined in the luncheon at Kerckhoff Hall.

From 2:15 p.m. until 2:30 p.m. I had a brief meeting with Brad Booth (who now has the title of Chancellor's Assistant on Athletics) and Max Dunn (now Chairman of the UCLA Athletic Board of Control). They told me that UCLA still has only eight games in 1959, eight or nine in 1960, and eight in 1961. They

would like permission to play Texas Christian University in 1961 and would like me to sound Clark Kerr out on this. They referred to a letter written by Clark Kerr to Ray Allen delegating certain power (short of budget control) in the athletic area. They also referred to the Regents Directive of 1948 which gave athletic control at UCLA to the Board of Control. This explains why there was no checking with Kerr about the hiring of Dickerson. (They told me that Dickerson has had a nervous breakdown and is still under heavy sedatives.) I told them about Kerr's suggestions for next Monday's meeting.

During the afternoon I visited friends in the UCLA Chemistry Department: Saul Winstein, Jim McCullough, Ralph James, Clifford Garner, Blaine Ramsey and Robert Scott.

At 5:30 p.m. I attended the reception given for Clark Kerr by the UCLA Alumni Association at the home of Phillip Davis of the Alumni Council at 10801 Ambazac Way in West Los Angeles. There I met Tom Welch (editor of the Daily Bruin), who promised to put me on their mailing list.

At 7 p.m. I left Los Angeles on United Airlines Flight #745 which arrived in San Francisco at 8:27 p.m. I was met by a University car and driven to my home in Lafayette.

Saturday, September 27, 1958

Beginning at 11:15 a.m. I listened to the KLX radio broadcast of the football game between Cal and Michigan State. Despite our Joe Kapp's valiant efforts, the Michigan Spartans roundly beat the Cal Bears, 32 to 12. The football season this year has certainly made a disappointing start.

I also read some of the correspondence which was sent to my home by the Chancellor's Office. Among other things, there was a memorandum from Clark Kerr formalizing the Intercollegiate Athletics Advisory Council. It will consist of the following members: the chancellors at Berkeley and Los Angeles, the Vice Chairman of the Academic Senate (Northern Section) and the Vice Chairman of the Academic Senate (Southern Section), the faculty representatives to the Pacific Coast Conference (beginning July 1, 1959, to the Athletic Association of Western Universities) from the Berkeley and Los Angeles campuses, the Directors of Intercollegiate Athletics of the Associated Students at Berkeley and Los Angeles, and the General Counsel of the University (Chairman). It states that the purpose of this Council is:

> "to recommend to the President the necessary uniform rules, policies and procedures to govern the administration of intercollegiate athletics on the Berkeley and Los Angeles campuses and to serve as a continuing advisory body on intercollegiate athletic matters arising on the two campuses".

I received my presentation copy of The Transuranium Elements from Lewis Strauss in his role as Chairman of the U.S. delegation to the International Conference on the Peaceful Uses of Atomic Energy. He wrote,

> "Through fine technical writing such as these volumes contain, the peaceful applications of atomic energy will be more effectively pursued."

I also read an interesting memo from Gene Lee regarding the ratio of undergraduate students to teaching assistants on our campus. In 1930 the ratio was 87.8 to 1; in 1950, 41.1 to 1; in 1958, 35.5 to 1. Lee's memo

raises the question whether we will wish to continue to expand the use of TA's. He writes,

> "...are we going to attempt to justify TA's as essential to maintaining a graduate enrollment of high quality. In the face of the improvement in ratios here indicated, it would be my guess that the state will not readily accept that view."

He also notes the possible relevance of this to the Grether study.

In the afternoon Stan Thompson and I played nine holes of golf at the Contra Costa Country Club. His score was 45 and mine 46.

Sunday, September 28, 1958

Helen and I joined Nathan and Anne Pusey for a luncheon at the home of Ruth and Jim Hart at 740 San Luis Road in Berkeley. Dr. Pusey (President of Harvard University) is here to attend the Kerr inauguration tomorrow. Helen and I eschewed the pre-luncheon bloody marys which the Harts and Puseys enjoyed.

At 2:30 p.m. we attended the San Francisco Opera Company's performance of "Medea" in the Greek Theatre. (Catherine Hearst and the Hearst family donated the money to pay for this performance.) Eileen Farrell sang the title role. It was a remarkable performance, especially considering today's oppressive heat. I felt sorry for the opera singers in their heavy costumes. We baked in the sun. There are no shady corners in the amphitheatre.

From 4:30 p.m. until 5:30 p.m. we attended the Presidential Reception for the delegates to the Kerr inauguration and a large number of members of the University family.

At 6:30 p.m. we hosted a dinner for 150 delegates to the Kerr inauguration in the Women's Club in the Stephens Union. Helen and I found this to be a very exciting occasion which gave us the opportunity to meet university and college presidents from all over the United States and around the world.

Monday, September 29, 1958

Today is the occasion of the Berkeley inauguration of Clark Kerr as President of the University. There is great excitement on campus as dignitaries from all over the world are attending the big event.

I went early to my office at Dwinelle Hall to go over correspondence, etc. and to review the "script" for this afternoon's ceremonies at the Greek Theatre.

I reviewed the final agreement of the College of Engineering which will be officially forwarded to Clark Kerr today. As Ed Strong's cover letter notes,

> "I would like to think (as I do not) that further voyaging in the Engineering sea will be free from past pitching and tossing; but at least we have come a long way. In documentary size, this amounts to one and one-half pages of text; in blood, sweat and tears and toll of time, voluminous files will testify. As for the desired change in climate in Engineering, this will take time, attended by efforts to control the weather."

I heartily agree with Ed's summary of the painful effort the negotiation of this plan has required. The agreement describes the creation of departments, some of which include divisions, in place of the present divisions as operating units within the College, indicates that the terms of department chairmen (appointed after consultation with faculty) will be from three to five years, with some provisions for reappointments, in place of the present system of indefinite terms, creates an Assistant or Associate Dean for Graduate Education and a Coordinating Council advisory to the Dean, and describes budgetary procedures.

I also read a memorandum from Allen Blaisdell concerning the prohibition against employing foreign students in nonacademic positions on campus. Attachments to his memorandum brought to my attention the past recommendations by a committee appointed by Kerr to look into this problem. Foremost among their suggestions was the idea that we ought to encourage the employment of foreign students in such non-University-supported areas as the residence halls, the ASUC Student Union and International House. However, they also recommend looking into the possibility of taking legislative action to have this prohibition removed from state law. It is interesting to note that an informal survey of other universities conducted by Bob Calvert of the Bureau of Occupations revealed that

> "38 states clearly permit the employment of non-citizen students on campus jobs. We are missing data from three states. Of the remaining seven which have some regulations against the employment of non-citizen students, only California, Nevada, and South Carolina seem to absolutely prohibit the employment of foreign nationals...[The other four] interpret the law loosely to favor these students."

At 10 a.m. Ray Allen, Brad Booth, Frank Kidner, Tom Cunningham and I met in Cunningham's office in Sproul Hall to discuss ways of implementing Kerr's directive that we come up with suggestions that we have some sort of regental control over athletics before the next Regents Meeting. We tentatively decided that all coaches and athletic director appointments should be subject to Chancellor's approval, that the Chancellor can initiate dismissal for cause, and that contracts should be subject to approval by the Office of the Regent's Counsel. I also raised the question of joint appointments between Physical Education and the ASUC. We will consider that suggestion further at our next meeting of the Intercollegiate Athletics Advisory Council.

After the meeting I talked briefly with Frank Kidner about the suggestion that the University expand our participation in the Indonesian project to include the involvement of four or five people from the Department of Business Administration. I asked him to work on this with Ed Strong.

Helen and I attended the inaugural luncheon in Fernwald Residence Hall. Due to the large number of delegates and university people, the Hall was filled beyond capacity. Elsie and Ed McMillan were quite disturbed that Lee and Doris DuBridge (he is the President of CalTech) had to sit in the basement.

At 2 p.m. we assembled on the steps of LeConte Hall for the procession from the Campanile Esplanade into the Greek Theatre. Following the singing of "Hail to California", members of the University's graduating classes from 1891 to 1958 filed into the Theatre to the music of the University Orchestra playing "War March of the Priests" from Mendelssohn's "Athalia".

The Academic Procession began about 2:15 p.m. and wound its way up the hill to the Greek Theatre. The University faculty were joined by over 400 representatives from other universities and educational institutions (including 43 University presidents) from all over the world. The procession was led by Frank Kidner (in his role as University Marshal) and was escorted by the senior guard of honor. We made a very impressive spectacle, dressed in black academic robes and caps.

After the singing of the National Anthem, the Color Guard socketed their flags and the Reverend Dr. Hunter led us in prayer. Serving as Master of Ceremonies, I then introduced Donald H. McLaughlin, Chairman of the Board of Regents. In my role, I introduced each speaker in turn. McLaughlin conveyed the greetings of the people of California and of the Board of Regents on behalf of Governor Goodwin Knight, who was prevented from attending by urgent business at the last moment. He described the "esteem and warm friendship of every member (of the Regents) and the complete confidence that the University will advance to new greatness" under Kerr's guidance.

Frank Kidner spoke next, mentioning the "formidable task" ahead since the students enrolled on the University's campuses will double in the first ten years of Kerr's administration.

Mortimer Smith (President of the California Alumni Association) got a tremendous round of applause when he began his greetings,

> "This is a great day, a great state, and a great University."

He was followed by Bill Stricklin (President of the Associated Students) who described the tremendous progress made on the Berkeley campus during Kerr's term as Chancellor of our campus and concluded,

> "This inauguration means that we will now share Dr. Kerr with other campuses- we share a great gift."

Although I was not listed on the program, I seized the opportunity to extend my own greetings next. Noting that I was not listed, I remarked,

> "I find myself in a very advantageous position to do so. I feel that the students, the faculty, the alumni and the other friends of the University of California and the people of our great state are very fortunate to have at the helm a man with your academic stature, administrative ability, determined adherence to principle, and great energy and integrity. President Clark Kerr- You have the respect of us all- and may I, also, wish you the best of luck in the challenging task which faces you."

Wallace Sterling spoke as representative of the universities, colleges, learned societies and educational foundations represented at the inauguration. He said,

> "The Universities have been placed in the spotlight from fears engendered by a sputnik...We are quick to claim and proud to enjoy the highest standard of living in the world, and yet, we are guilty of starving the goose which has laid the golden egg."

Then Regent McLaughlin presented "The Golden Key" (to South Hall) and introduced President Kerr. Clark summarized the history of the development of the University through the terms of each of the previous 11 presidents, praising especially his predecessor, Robert Gordon Sproul. He continued on to describe our current challenge,

> "...The world has changed--from an emphasis on tradition to an emphasis on progress--and the universities have changed...to become the architects of progress instead of the protectors of traditions. In so changing their role in society has become ever more important. Of all the forces which have combined to cast the University in this role, the principal one--which also presents us with our greatest challenges for the future--is unbelievable acceleration in the accumulation of knowledge. We know so much that no one can know very much; for as there is more to know, each one of us grows relatively more ignorant. To create new knowledge, to train the men and women who can use this knowledge, to make this knowledge comprehensible and thus, the servant, rather than the master of man--these are the great tasks of the University...in an age of the most fabulous unfolding of the human mind in history. This can be truly a golden age in the life of the University of California during what may yet become a golden age for mankind."

The ceremonies concluded with President Kerr conferring honorary doctor of law degrees on Anson Stiles Blake, Lucy Sprague Mitchell, Clara Hellman Heller and Walter A. Haas.

At 8 p.m. Helen and I attended the President's and Chancellor's black-tie reception for new students at the Hearst Women's Gym. We stood in the reception line with Clark and Kay Kerr and shook hands with some 3,000 to 4,000 students as they came by and were introduced by faculty members, attired in black-tie formal clothes, who were escorting them. The incessant stream of students continued until after midnight.

This was a strenuous evening (although we did take a rest break near the middle of the evening) but also an exciting and satisfying occasion. Many of the students took the occasion to engage in brief conversations with us as they filed by, identifying their parents as alumni of Berkeley, their home towns, etc. Two bands were hired for the occasion, a jazz band and a dance band. The dance band appeared to be very popular with the students; the dance floor was very crowded.

Tuesday, September 30, 1958

I went directly to my office in Dwinelle Hall this morning. As today's calendar is rather full of appointments, I wanted to take advantage of the first hour or so of quiet to catch up on correspondence, etc.

I read a letter from Manne Siegbahn acknowledging my letter regarding element 102 and informing me that he gave it over to the team at the Nobel Institute for Physics (Atterling, Forsling, Holm and Åstrom) for consideration. They also contacted other members of the international team and are now preparing a short letter for Physical Review. Siegbahn concludes his letter,

UNIVERSITY BULLETIN

September 29, 1958

Edwin M. McMillan

Director, Radiation Laboratory

Seaborg on McMillan

Of McMillan's appointment to succeed the late Ernest O. Lawrence as Director of the Radiation Laboratory, Chancellor Glenn T. Seaborg of Berkeley said:

"The University is fortunate in already having on its staff so highly qualified a scientist as Professor McMillan. He is a man of great stature, intellectually and in the world of science. He was a close friend, colleague and advisor to Professor Lawrence, and there is no one more intimately acquainted with the program and ideals of the Radiation Laboratory. It is worthy of note, too, that this great scientist made discoveries that permitted some of the most important exploitation of the potential of Professor Lawrence's cyclotron."

McMillan is a member of the important General Advisory Committee of the Atomic Energy Commission. An Associate Director of the Radiation Laboratory since 1954, he was appointed two months ago to the post of deputy director.

McMillan is credited with swinging open two huge gateways to nuclear knowledge.

Co-Discoverer of Neptunium

In 1940, after years of tantalizing failure by some of the world's most able scientists, McMillan, with P. H. Abelson, now of the Carnegie Institution in Washington, D.C., succeeded in discovering neptunium, element 93.

McMillan also found some preliminary evidence for element 94, before he was called away to national defense work in the fall of 1940. Element 94 later was positively identified by Seaborg and his colleagues, and was named plutonium. McMillan's achievement set the stage for the exploration and discovery of a whole family of transuranium elements, now reaching up to element 102, by University scientists.

McMillan and Seaborg shared the Nobel Prize in 1951 for their work on the transuranium elements.

The new director's second very important achievement was the discovery of a principle, called the "theory of phase stability," which paved the way for present researches in ultra-high energy physics, in the energy ranges of multi-hundreds and billions of electron volts.

Before World War II, with knowledge then available, it was believed that heavy particle accelerators of the cyclotron type would be limited to an energy range of about 100 million electron volts.

Before World War II, with knowledge then available, it was believed that heavy particle accelerators of the cyclotron type would be limited to an energy range of about 100 million electron volts.

McMillan's theory, which he developed in 1945, overcame these limitations. His principle was applied in 1946 to the 184-inch synchro-cyclotron at Berkeley, which yielded the first particles in the multi-hundreds of millions of electron volts (MEV), and resulted in the first laboratory production of the important nuclear particles called mesons.

In the fall of 1942, he helped organize the Los Alamos Scientific Laboratory, where he was in charge of the early development of the uranium and plutonium type bombs.

The scientist came to Berkeley as a National Research Fellow in 1932, the year he secured his Ph.D. at Princeton. In 1934 he became a Research Associate on the physics staff. He was promoted to Instructor in Physics in 1935, Assistant Professor in 1936, Associate Professor in 1941, and Professor in 1946.

"Their considered opinion is that the continued and careful analysis of the experiments does not cause any significant correction of the interpretation of the results expressed in the Letter to the Editor of the Physical Review in September 1957. With regard to this I find it most advisable not to take any further action towards a proposed renaming of element 102 at present."

A letter from Bill Stricklin informs me that he has been mandated to communicate the following resolution of the Executive Committee of the ASUC:

"That the President of the ASUC write a letter to the Chancellor of the University with copies to the President and the Board of Regents requesting that the Sather Gate tradition be retained. Further that he request the requirements for speaking at Sather Gate to be similar to those used by the City of Berkeley with the Chief of the Campus Police acting in the place of the pertinent Berkeley officials."

The Sather Gate issue appears to become "hotter" all the time.

At 9:20 a.m. I received a telephone call from Ted Merkle at Livermore. He told me that they are looking for other reasons to build a high flux reactor. Albert J. Kirschbaum is running tests on the flux trap. I said to forget radiation damage studies. Ted informed me that he has received a letter from Francis O'Meara (Chief of the AEC Reactor Engineering Section of Carson Dalzel's division, the branch responsible for reactor concepts) which includes a description of their programs for 1959-1961, as follows:

1) Argonne reactor for transuranium element production
2) Oak Ridge investigation of novel systems for high fluxes
3) Brookhaven requirements of research reactors for the future

Ted said that Livermore cannot build the small high flux reactor at Livermore but they could operate it if it were built under contract. They would need an experimental study and then later perhaps $250,000 for a design study. I asked if he believed it could be built for $10 million; he thought so. I suggested that it would probably be supported by AEC Research Division funding, with the possibility of Carson Dalzel's division getting into it, too. I believe that Kirschbaum can do zero power work with Whitney (nuclear weapons program) funds. Kirschbaum may drop in on O'Meara next week. He will adroitly suggest that Livermore would build the cheap single purpose reactor in the interest of getting the program off the ground if no one else will do it soon.

I dictated a letter to Stan McCaffrey responding to his note of September 24th conveying information about the new space agency created by Congress recently, National Aeronautics and Space Administration, (one might assume soon to be known as "NASA"). I thanked him for raising the question of the University's possible participation in space research and particularly for his hints on how to obtain more information on their plans. I explained that I am waiting for a report from the informal committee headed by Otto Struve which is studying this very question.

I note with pleasure that both Jose Gonzalez-Vidal and Paul Francis Donovan have filed their doctoral theses. (I served on both committees as Chairman.)

At 10:30 a.m. I had an appointment with Charles Hudson (President of the University Medical Association). He described a bit of the Cowell Hospital

set-up to me. Bill Donald (former Director of the Student Health Service) was also the past-President of the Medical Association. There are 80 physicians associated with the hospital who are members of the association; each works two to ten hours a week at the hospital, mostly in clinics. He described the many committees of the association and informed me that Alex Sherriffs has been invited to attend the Executive Committee meetings and he hopes that Alex will be able to attend. Dr. Hudson did not pose any particular problems; I thanked him for the information.

Beginning at about 11 a.m. I met with Lincoln Constance to discuss a number of matters. I shall continue ex-Chancellor Kerr's practice of having regular meetings with him. We talked about Gene Lee's memorandum of September 26th questioning the procedures for joint appointments of faculty. Constance and I agreed that this matter should be referred to the Chancellor's Administrative Advisory Committee for study.

Bill Fretter and Errol Mauchlan then joined us for a discussion of the administration and budgetary control of the White Mountain Laboratory. The laboratory was set up in 1952 with a statewide advisory committee. Nello Pace, who "runs" the laboratory, largely on ONR, NSF and University funds, is apparently the Principal Investigator on the various contracts which support it. The business affairs were initially handled by the statewide business office; however, on July 1, 1958, the budget was attached to the College of Letters and Sciences. We talked about whether the White Mountain Laboratory should be statewide, reporting directly to the President, or on a specific campus, reporting directly to the Chancellor, or attached to a department (i.e. Physiology) or college. We agreed to wait until we have read the report of the NSF Site Visit Committee and then discuss the matter with the President.

Carl Helmholz then joined us and we talked about Clark Kerr's concern over an article in Fortune listing the 11 most brilliant young physical scientists under the age of 36, none of which are with the University of California. We threw out ideas about how to attract young talent. Bill Fretter will work on a report to Kerr.

The regular Tuesday lunch meeting of the Chancellor's Cabinet began at noon. Attending were: Chernin, Fretter, Hart, Mauchlan, Malloy, Sherriffs and Strong. The meeting served as a general exchange of information on ongoing projects/issues. No truly "new business" was introduced.

At 2 p.m. I met with Hal Norton (University Student Coop Association). He briefed me on the history and organization of the association which is administered by an advisory committee which includes three faculty members. Varden Fuller should be the Chancellor's Office main contact. He pointed out that they have two houses on Northside that were in line to be taken over by the University in connection with its expansion. However, Norton spoke with Clark Kerr about the possibility of continuing in the Ridge House location, provided that a loan can be obtained from the government.

Bill Monahan (Business Manager) came to meet with me at 2:30 p.m. I expressed an interest in looking at the Tice Ranch property (R. Stanley Dollar property) along with Harry Wellman and Ed Strong, as a site for a possible Berkeley satellite campus. He will try to arrange a satisfactory date.

We also touched on the subject of my application for membership in the Bohemian Club and whose names might be used for references.

Bill called my attention to the serious public relations aspect of the bad record of Livermore employees in making contributions to the United Crusade (less than 10% contributed). I told him that I have asked Jim Hart to prepare a letter to McMillan from me raising this issue. (Directly after the meeting, I indeed signed the letter to McMillan,

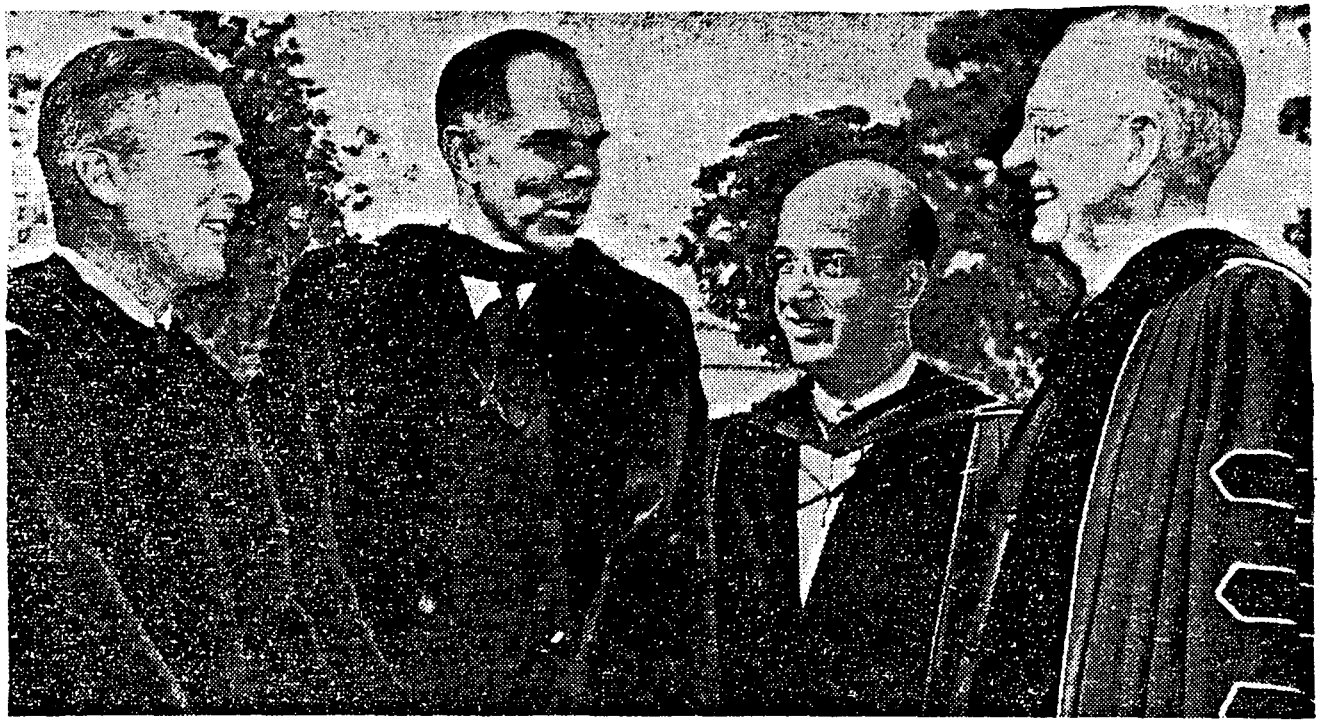
> "taking the liberty of asking you to use all means you think appropriate to call attention to the Crusade and to express my hope that it will be generously supported.")

At around 3 p.m. Ed McMillan called me to let me know that the site of the 88-Inch Cyclotron will be decided at tomorrow morning's Associate Directors' meeting. I told him about my letter to Willard Libby about the Chemistry Building addition and promised to show him a copy of it when I attend the meeting tomorrow.

Alex Sherriffs and I dropped in at the ASUC coffee hour for a few minutes around 4 p.m.

At 7:30 p.m., following a dinner at the Durant Hotel, I attended a meeting of the Intercollegiate Athletic Advisory Board there.

SAN FRANCISCO EXAMINER, September 30, 1958



NEW PRESIDENT—Attending the inauguration yesterday of Clark Kerr (right center) as President of the University of California are (left) Nathan Pusey, President of Harvard University (left center), Glenn T. Seaborg, new Berkeley Chancellor, and Robert Gordon Sproul, retiring UC president.

CLARK KERR INAUGURATED

By WILLIAM BOQUIST

The past and the future met briefly in the present yesterday as the University of California, in high academic rites, installed a new president.

On the marble stage of the classic Hearst Greek Theater in Berkeley, Clark Kerr, the 12th president in California's 90 year history, was formally inaugurated into office.

Noted Educators——

The ritual was attended by a rarely assembled delegation of the highest distinction.

From the far corners of the world they came, more than 400 representatives of colleges, universities and scholarly and educational societies.

Dressed fittingly in black academic robes, they came to pay tribute to one of the world's foremost universities and to wish its youthful new leader a smooth course ahead.

Kerr, at 47 combining a firmly disciplined, yet gentle spirit, spoke soberly and at length on the worth of intellect in the current age.

"My own first thoughts at this ceremony are of the men who have preceded me," he said.

"Each of them was deeply dedicated to the university. Each must have been grateful and proud of the opportunity to contribute to its development. All of them faced exciting challenges."

From Henry Durant, California's first president, on through to Robert Gordon Sproul, who retired June 30, Kerr said, each man left a rich heritage.

PRAISES SPROUL.

During his own inaugural address 28 years ago Sproul had described the future as a "stern test," Kerr said.

"Yet as we view the University of California today, an academic community unsurpassed in size and seldom equaled on the more important scale of scholarly distinction, we can turn to him and say, with conviction and with gratitude:

"Robert Gordon Sproul, you have passed your stern test, summa cum laude."

But the university's present excellence, he said, rests as well on the sacrifices of thousands of faculty members, alumni, regents, students, legislators, private citizens and "the immeasurable benefits of an enlighted and friendly environment."

"Never before has the university so needed the support of its friends. If our expectations are to be fulfilled, we shall have to meet immense challenges."

The need to accommodate vastly increasing numbers of students is only a part of the university's role, he said.

There is a larger role, "more important in our century than ever before in the history of civilization. The work to be done by men and women of trained intellect is greater and more desperately urgent today than at any previous time."

"Looking ahead," he continued, "it seems to me that at least four paramount tasks present themselves to the university in our society.

Kerr

Greek Theater Scene of UC Inaugural

"One is to continue to stimulate the quest for knowledge to future generations. Another is to transmit our knowledge to enable us to remain masters of our knowledge, to prevent the complete fragmentation of our view of ourselves, our society and our universe.

"The fourth, and perhaps most exacting, is to assess the values which our knowledge should enable us to serve.

"In a century which by creating much has overthrown so much, men of intellect everywhere have an obligation which they must not betray.

HUMANITIES ROLE.

"The philosophers and humanists of our universities bear a large share of that burden. More than anything else the tradition of the humanities is the cement which binds our civilization together.

"The future for which we are preparing need not be the result of blind fate. It can be ours to make.

"These are the tasks of the University of California in an age of the most fabulous unfoldmg of the human mind in history.

"This can be a truly Golden Age in the life of the University of California during what may yet become a Golden Age for mankind."

Preceding Kerr to the stage was Donald H. McLaughlin, chairman of the University of California Regents.

"Clark Kerr has the very special qualities of mind—and I must add also of body—needed to meet the rugged and exacting responsibilities imposed upon the president of this vast institution.

"He fortunately is a man whom burdens appear to strengthen—and that being the case, I am sure we can count on renewed strength in generous measure for him each year."

Among the spectators at the afternoon ceremony were Mrs. Kerr and the three children, Kerr's sister, Charlotte, of Reading, Pa., and his grammar school teacher, Mrs. Elba Babb.

Presiding on stage was Kerr's successor as Berkeley Chancellor, Nobel Laureate Glenn T. Seaborg.

Greetings were presented from Governor Goodwin Knight, Stanford President J. Wallace Sterling, Alumni President Mortimer Smith, Student Body President William Strickland, and University Marshal Frank Kidner, representing the faculty.

Honorary doctor of laws degrees were bestowed by Kerr on four famed Californians.

They are Anson Blake, of the University YMCA; Walter A. Haas Sr., chairman of the board, Levi Strauss & Company; Clara Hellman Heller, and Lucy Sprague Mitchell, first dean of women at the university.

Preparations for yesterday's event had begun months ago, and the day included two notable "firsts": the new UC flag, flying on the staff at the Greek Theater, and newly designed academic robes for the regents.

Wednesday, October 1, 1958

This morning I went directly to the Rad Lab in order to attend a meeting of the Associate Directors. Arriving at around 8:30 a.m., I had a chance to dictate a couple of letters related to Laboratory business before the meeting. I wrote a memorandum to Bill Douglas, General Counsel of the Rad Lab, regarding my intention to write to Prentice Hall requesting an agreement by them that they will allow the government to reproduce, royalty free, for governmental use, the book which Earl Hyde, Iz Perlman and I are working on. I justified the need for this monograph by stating that I believe that the information contained therein should provide stimulus for others concerned with the transuranium elements. (Note: This whole problem arises out of a problem with the stipulations of the University contract with the Atomic Energy Commission regarding publication of a book with the assistance of Rad Lab support services (i.e. secretarial help, draftsmen, photography). Use of such services at the Laboratory can affect the author's normal royalty rights unless such a provision for governmental use is conceded.) I also wrote to Lewis Strauss, Chairman of the U.S. delegation to the Geneva Atoms for Peace Conference, thanking him for the presentation copy of my book, The Transuranium Elements, and remarking that I found the book "handsome both in binding and format". A letter to the Headquarters of the Air Force Office of Scientific Research, to the attention of Denton W. Elliott, conveyed my belief that the research proposal submitted to them by the U.S. Rubber Company, "Studies in the Nuclear Chemistry of Short-Lived Isotopes", is a very worthwhile area of investigation and worthy of their support.

The meeting of the Associate Directors of the Laboratory in Ed McMillan's office began at 9 a.m. I attended in my continuing capacity as a Rad Lab Associate Director, one of the conditions under which I accepted the chancellorship of the Berkeley campus.

After the meeting I spoke with Iz Perlman, Ken Street, John Rasmussen and Eileen Carson about various matters at the Laboratory.

At about 11:20 a.m. I drove down to the campus to my Dwinelle Hall office. E. T. Grether (Dean of the School of Business Administration) came in to see me at 11:45 a.m. to discuss the withdrawal of his dean's contingent fund which is effective July 1, 1959. I told him that I have the authority to make a salary adjustment to compensate him and William Prosser (the other dean affected by this regential decision) for the loss of these funds. I promised to ask Errol Mauchlan to look into how to go about this.

The meeting of the Chancellor's Advisory Administrative Council (CAAC) (membership list attached) began at 12:15 p.m. in the Chancellor's Conference Room. I opened the meeting by welcoming everyone to the first meeting of the semester (and my first meeting) and noted that I intend to continue the meetings on the same basis as in the past by former Chancellor Clark Kerr (except that perhaps I will hold them somewhat less frequently). I commented on the pending list left over from past years, and said that I would prefer to make a fresh start with a new list, picking up topics from the old list if they seem to need special attention. I invited members of the CAAC to submit suggestions for topics for our consideration. I then went on to describe changes in the organization and personnel in the Chancellor's Office. I introduced Milt Chernin and Bill Fretter as the two new faculty assistants and Frank Kidner as the new Faculty Athletic Representative, mentioning also the "Chancellor's Cabinet" meetings held every week.

MEMBERS

CHANCELLOR'S ADVISORY ADMINISTRATIVE COUNCIL

G. Seaborg, Chancellor (Chairman)

R. G. Bressler, Chairman, Budget Committee, 3335 Dwinelle Hall

W. A. Brownell, Dean, School of Education, 207 Haviland Hall

M. Chernin, Dean, School of Social Welfare, 218 T-1

D. Coney, Librarian, 248 Library Annex

L. Constance, Dean, College of Letters & Science, 210 Sproul Hall

J. P. Danton, Dean, School of Librarianship, 425 Library

C. C. Gilliam, Registrar, 120 Sproul Hall

E. T. Grether, Dean, School of Business Administration, 113 South Hall

J. D. Hart, Vice-Chancellor, 3335 Dwinelle Hall

R. Kerley, Acting Business Manager, 3413 Dwinelle Hall

F. L. Kidner, Department of Economics, 119 South Hall, Vice-Chrm. Academic Senate, Northern Section

E. M. McMillan, Director, Rad. Lab., Bldg. 50, Radiation Laboratory

M. T. Morris, Manager, Office of Public Information, 101 Sproul Hall

M. P. O'Brien, Dean, College of Engineering, 315 Engineering Building

K. S. Pitzer, Dean, College of Chemistry, 110 Gilman Hall

W. L. Prosser, Dean, School of Law, 225 Law Building

K. A. Ryerson, Dean, College of Agriculture, 133 Giannini Hall

A. C. Sherriffs, Vice-Chancellor, 3335 Dwinelle Hall

C. E. Smith, Dean, School of Public Health, 19 Warren Hall

T. B. Steel, Secretary, Northern Section, Academic Senate, 219 California Hall

M. A. Stewart, Dean, Graduate Division, 102 Sproul Hall

K. B. Stoddard, Dean, School of Optometry, 101 Optometry Building

H. E. Stone, Dean of Students, 201 Sproul Hall

E. W. Strong, Vice-Chancellor, Vice-Chrm. Academic Senate, Berkeley Division, 3335 Dwinelle Hall

H. J. Vaux, Dean, School of Forestry, 243 Forestry Building

O. W. Wilson, Dean, School of Crminology, 218 T-2

W. W. Wurster, Dean College of Architecture, 1 Architecture Building

Other topics I covered in my report to the CAAC included: the expanded program of the Committee on Drama, Lectures and Music (noting the first McEnerney Lecture tonight with Alistair Cooke); a review of the policies regarding the appointments of department chairmen, deans and directors which was agreed upon at the August meeting of the Chief Campus Officers; the dissolution of the Pacific Coast Conference and the creation of the Athletic Association of Western Universities (emphasizing the increased concern of the Regents with athletic policy); and the greater participation of faculty in Regents Meetings (inviting suggestions for faculty members who might make presentations at these meetings about research in their fields).

Dean O'Brien introduced Clyne Garland (of Engineering Design) who will serve as Acting Dean of the College of Engineering while O'Brien is on leave for the next six months. Then Gene Lee introduced Errol Mauchlan, his replacement, as the budget officer for the Berkeley campus and briefly talked about some of the key points of the budget (which had been distributed to the participants before the meeting). The budget (which has not yet been approved by the Regents, the State Director of Finance, the Governor or the Legislature) provides for approximately 5% increase in funding and, therefore, represents a maintenance budget only to keep up with expected enrollment increases. He noted that a modest increase in faculty/student ratio and a sharp increase in teaching assistant/lower division student ratio are a part of the budget. Lee remarked on the possibility that we may be vulnerable to criticism in the latter area and suggested that serious consideration ought to be given to the purpose of teaching assistant appointments. (Are they primarily to assist with lower division teaching loads or are they rather a fellowship device to help support graduate students?)

Jim Hart reported on the campaign to support Proposition #3 on the November ballot, asking for the cooperation of the deans by writing to professional societies, etc. expressing their support. A discussion of the appropriateness of writing such letters on official stationery followed; the consensus was that it was preferable not to use it.

Next Alex Sherriffs spoke about student affairs in general. He reminded the Council of the Student Affairs Committee established by Clark Kerr last year and of their focus on the following problem area: the large size of the campus (which has advantages, but poses the question of how to realize the advantages while eliminating concomitant disadvantages), student attitudes (apathy, conformity, non-commitment, passivity), and the amount and kind of contact between students and faculty. Among the suggestions for alleviating some of the problems were: improving physical facilities (i.e. residence halls, the Student Center and Strawberry Canyon Recreation Area); improving the faculty/student ratio (with particular emphasis on developing new advising programs); decentralizing responsibility for student affairs to colleges, schools and larger departments and delegating responsibility for governing themselves to students as much as possible. The discussion ranged broadly over many other suggestions for experimental programs, etc. We also touched on ideas for how to improve exchange of information between faculty in different departments; I suggested interdepartmental seminars.

I also noted that the development of an academic plan for the whole University is an important item on the Regents' agenda this year. I read the following list of topics which have been suggested for discussion as a part of the plan:

1. Critical importance of higher education today.
2. Educational objectives of the University.
3. Policy on admission and retention of students.
4. Continuing study of enrollment statistics.
5. Improving student selection.
6. Policy on enrollment quotas.
7. Number, size and composition of campuses.
8. Undergraduate instruction - upper division vs. lower division.
9. Graduate instruction - graduate admissions policy.
10. Professional training.
11. Curricular emphasis.
12. Student-faculty ratios.
13. Faculty recruitment.
14. Honors courses, undergraduate seminars, experimental programs
15. Library policies
16. Summer Session programs.
17. Non-classroom education facilities.
18. Relation to state and junior colleges.
19. Policy on sponsored research.
20. Public service functions.

In response to my invitation for further suggestions, Don Coney commented on the need for consideration of the question of specialization of research by campus.

The CAAC adjourned at 2:55 p.m. and was followed by a meeting of the Academic Advisory Committee (AAC) in the same room at 3:15 p.m. Present were: R. G. Bressler, C. W. Brown, L. Constance, W. E. Farnham, J. D. Hart, C. W. Jones, F. L. Kidner, D. W. MacKinnon, M. A. Stewart and E. W. Strong. Once again, I began the meeting with welcoming remarks and an introduction of the work of the year. I noted that this will include necessary reconsideration and revision of the Academic Plan for the campus as well as discussion of the Academic Plan for the University as a whole. I read the Committee the same list for the latter which I read earlier to the CAAC. Lincoln Constance suggested the addition of the need to consider and recommend on the results of the survey of organized research units currently being made. Bill Farnham (Chairman of the Committee on Courses) brought to our attention the current debate about vocational courses. We moved on to a discussion of the Engineering Academic Plan (which we will have to continue at our next meeting as we had just began to delve into it when our meeting adjourned at 4:30 p.m.).

Fifteen minutes later, the next meeting of the day's heavy program began in the Conference Room. As Chairman of the Committee on Campus Planning, Regent McLaughlin did not arrive until we were part way into the agenda. I chaired the beginning of the meeting. Present also were: William Wurster, Jim Hart, Ed Strong, C. W. Brown, Louis DeMonte and Norman H. Dyer (of the Office of Architects and Engineers) and architects Aleck Wilson and Bruce Nehls. Among other things, we recommended that architect Michael Goodman be commissioned to produce plans for the renovation of the old Farm Bureau Building for use as the new University Extension building, approved the installation of eight handball courts at Memorial Stadium as well as concession facilities and rest rooms (this with minor aesthetic modifications), approved the location of the UCRL Chemistry Addition (Building 70A) to the south of the existing Chemistry Building (Building 70), approved an addition to the UCRL cafeteria, considered the proposed layout of a parking structure planned for the area adjacent to the Statewide Building, decided that the renovation of University House should be

directed by an architect rather than an interior decorator as originally planned, and determined that the College Undergraduate Library should be located immediately east of the Life Sciences Building. We discussed possible locations at the Rad Lab for the proposed new high-current cyclotron but deferred decision until a later date. Architects Wilson and Nehls presented a small scale model and schematic floor plans for the Business Administration-Social Science Building. The plans for the eight story building met with the general approval of the Committee as the space seems to be planned for maximum usage; Regent McLaughlin made one suggestion that the top floor (seminar rooms and conference facilities) be opened to the west so that students and staff might enjoy the panoramic view. We encouraged the architects to continue developing the preliminary studies. Our meeting adjourned at 7 p.m.

I went back to my own office for a few minutes to sign some letters drafted by C. W. Brown to University engineers and city officials expressing our intention to demolish the Mailing and Storehouse Building on Bancroft and a memorandum to Clark Kerr recommending the purchase of the Chaparral Hill tract behind the schools for the blind and deaf and the Claremont Hotel. In justifying the latter recommendation, we quoted the justification of the BCD subcommittee: "...(a) safeguarding the integrity of the University hill area holdings through ownership of all watershed lands to the ridge of the Oakland-Berkeley hills, (b) prevention of private commercial encroachment, (c) obtaining additional buildable sites for a possible conference center, research units, faculty residences or other functions, and (d) preservation of wilderness values."

Helen brought me a sandwich and after I had eaten this, she and I walked over to Wheeler Auditorium at about 8 p.m. and I introduced Alistair Cooke as the first of the McEnerney Lecturers. My opening remarks summarized the career of Garret William McEnerney (a California lawyer who served as a Regent of the University from 1901 until his death in 1942) and the establishment of the McEnerney Fund through his bequest to the University as an endowment for "the encouragement of student interest in music, drama, the arts". I went on to describe future plans for McEnerney Lectures this year which will include, among others, lectures by James Reston, C. Northcote Parkinson and Anthony Nutting. Before presenting Alistair Cooke to the audience, I noted important biographical facts and mentioned many of his accomplishments, commenting that "Mr. Cooke is noted as an interpreter of Americans to the British and of the British to Americans. It appears that this kind of interpretation is needed, in spite of the fact that both people speak the same language; because, although the words we use are the same, the tunes are different. Our differing environments, points of view and backgrounds color the words we use so that in effect we are <u>not</u> always speaking the same language." Cooke's lecture on this subject, "The Pains and Pleasures of Anglo-American Understanding", offered extremely interesting theories about the historical origins of some of our stereotypes about each other and misunderstandings about each other's points of view. He is a very effective speaker and, I believe, an excellent choice for initiating the new series.

After the lecture, Helen and I hosted a reception for Mr. Cooke at the Women's Club Room at the Stephens Union. Present were representatives of the administration, the Committee on Drama, Lectures and Music, the faculty, students from the <u>Daily Californian</u>, and Regents; also invited were Rhodes Scholars, UC Alumni, Commonwealth Fellows, members of the McEnerney family, several of Mr. Cooke's friends that live in the Bay Area and several representatives of local television as well as members of our faculty Television Committee.

Thursday, October 2, 1958

I attended the regular Thursday meeting of our Chemistry group at the Rad Lab which began at 8:30 a.m. this morning. Present were: Alexander, Benioff, Blann, Cerny, Chu, Conley, Crespo, Cunningham, Flamm, Gallagher, Gatti, Gilmore, Gordon, Harvey, Hoff, Hyde, Latimer, Markowitz, McWhan, Meyer, Michel, Michel, Mollenauer, Navarro, Petrakis, Perlman, Phillips, Rasmussen, Richardson, Ruiz, Shirley, Sisson, Stone, Strominger, M. Sweeney, Templeton, Thomas, Tocher, Valyocsik, Viola, Winsberg and Wu. Conley spoke on the entropy of Pu and Am ions, and Benioff on his theoretical calculations of p,pn and p, 2p cross sections.

After the meeting I had a chance to talk briefly with Al Ghiorso, Iz Perlman and Darrah Thomas. I also dictated a couple of letters to Eileen Carson; one to W. A. Osman of Endeavour magazine making several corrections to the proof for my article, "The Transuranium Elements", and another to Winston Manning forwarding a copy of my Silliman book on the transuranium elements for his interest and informing him of my plans during my visit to Chicago next week.

I also read through a copy of the report issued by the Congressional Subcommittee of Research and Development to the Joint Committee on Atomic Energy which includes my testimony. The transmittal letter from John H. Williams, Director of the Division of Research of the AEC, stated "I hope the enclosed report will convince you, as it did me, that the time and effort you and others devoted to the preparations for the hearings (in which I participated last February) was well spent and resulted in making the Congress of the United States and the public aware of the need for a more aggressive program in the basic physical sciences."

Around 11 a.m. I received a call from Ed McMillan reporting that he called Willard Libby regarding our new Chemistry Building addition and learned that he is still of the same mind but he said (paradoxically) that "it is going through regular channels". Ed and I both think this sounds hopeful. He will try to see Libby and Commissioners Floberg and Graham when he is in Washington next week to encourage expediting our new Chemistry addition.

I had a bag lunch in my Rad Lab office with Bill Davis of Stiles Hall and some members of his Stiles Hall Freshman Club.

At 1:30 p.m. I made the opening remarks at the second faculty orientation meeting held at Alumni House. Essentially I welcomed the new faculty to the meeting and expressed my hope that they would benefit from the afternoon's program. Topics covered included: 1) Faculty Self-Government: The Role of the Academic Senate, 2) Faculty Self-Government: The Committee System, 3) The University's Support of Research, 4) The University Library, 5) Faculty Welfare, and 6) The Role of the Budget Committee. The demands of today's calendar did not allow me to stay for the program. However, I understand that it was well-received.

Vice Chancellor Prasad of Patna University in India made a courtesy call to my office at 2:15 p.m. by appointment.

Immediately following Prasad's visit, I met in my office with John Lawrence and Hardin Jones, Director and Assistant Director (respectively) of Donner Laboratory. They showed me a letter from John Northrop, Professor Emeritus of Bacteriology and a member of the Rockefeller Institute for Medical Research,

requesting transfer to the Bio-Physics Department because of his dissatisfaction with the Bacteriology Department. Lawrence said that he would have space for Northrop when the top story is added to Donner in about two years. Northrop is apparently ready to resign, especially if he could be reinstated in another department by doing so. I told Lawrence that if he would initiate a request for the creation of a position for Northrop in Bio-Physics and promise him space, then we would look into it in this office- but I made no commitment.

Harvey White called at 3 p.m. to let me know that he still does not know whether or not he will be able to make it to the October Regents Educational Policy Committee meeting. He will write a ten-minute speech in any case and send it to me. Harvey suggested that he would speak by telephone or by NBC hookup. I said that I don't think it is worth this trouble. Three hundred twenty colleges have signed up now to give credit for the "Continental Classroom" series.

At 3:30 p.m. I went to the KPFA studio at 2207 Shattuck Avenue to record the speech which I gave last month at the Second International Conference on the Peaceful Uses of Atomic Energy. Although I had already told the KPFA staff that my talk was rather technical for a general listening audience, they expressed the opinion that my proposal that American and Soviet scientists collaborate "in the creation of new elements" was of great interest to their 200,000 listeners. I was greeted by Elsa Knight Thompson at their studio and easily recorded the speech in less than 45 minutes.

Arriving back at my Dwinelle Hall office at about 4:30 p.m., I had my first opportunity today to look through the mail. I received a letter notifying me of my election as a Fellow of the California Academy of Sciences (which is limited by its constitution to a body of three hundred). I dictated a rather hard-hitting memorandum to my graduate student Richard Lessler remarking that his thesis "seems to show a complete ignorance of almost all the work done in the last year toward explaining spallation reactions in the fission region." I then, of course, went on to explain some of the weaknesses Darrah Thomas and I found in his discussion section.

I also signed a memorandum to Clark Kerr responding to his note to me of September 23rd regarding the article in the September issue of Esquire entitled "The Bright Young Men in Science". Clark expressed concern that none of our people were mentioned in the article's choice of the top eleven men in science under the age of 36. I discussed the difficulty of breaking into this league, noting the efforts of the Physics Department to recruit Feynman, Gell-Mann, Lee, Yang and others. I mentioned that I have heard that we could have had Lee or Yang (I've forgotten which) "if it hadn't been for the Loyalty Oath episode, and we may yet get one of them if they can be convinced that prejudice against Chinese is not serious on the West Coast." I went on to remark that "We are strong in the 40-50 year group. To get men of this caliber in the 30-40 year group, we must be prepared to offer salaries in the range of $20,000 annually--a difficult problem in departments where there are older men of comparable brilliance getting considerably less."

The Daily Californian's second article in a series on Cal's athletic policies and programs by Ed Moosbrugger described the setup of the new AAWU very positively. It noted that the "difference between the setup of the new association and the PCC is as great as that between night and day... The new association has been founded on mutual trust rather than the mutual distrust

implied in the rigid and penalty-laden PCC code." The article also described changes in the academic standards for eligibility, the grant-in-aid programs and scheduling policy. The second page headline summed it all up: "Standards raised in new association".

Before leaving for home, I had the pleasure of looking over the list of people who have written to congratulate me on my appointment as Chancellor (attached). It is certainly very diverse group, representing the academic, business and scientific communities as well as many students and alumni of the University.

Helen and I enjoyed dinner with Alex and Mary Sherriffs at their home at 1086 Grizzly Peak Boulevard in Berkeley.

Friday, October 3, 1958

This morning's Daily Cal article in the continuing series by Ed Moosbrugger discusses the scheduling problems and resulting financial hardship to the ASUC which may follow the University's decision to schedule only schools with teams representing student bodies similar to that at Berkeley. It correctly interprets my statement to this effect to mean "schools who don't give preferred academic treatment to athletes." This narrows down California scheduling possibilities to a few dozen of the top schools of the country and makes the competition to get on their schedule very fierce. Ivy League schools play a round-robin schedule within their league and, therefore, have a very limited open dates; top Southern schools are often eliminated by their segregation practices. Moosbrugger concludes his discussion of these problems, "Chancellor Seaborg has been very concerned with the financial problems which may face the ASUC if its solvency is threatened by the University scheduling difficulties. He strongly indicated that University standards will not be lowered financially. Instead, the University would come to the aid of the ASUC, he said." He also indicated my intention to establish a committee to look into this problem.

Another important bit of reporting in today's Daily Cal concerns Al Madian's proposal at the general assembly meeting of SLATE of a referendum addressed to the Regents which will request that the student union fee of $6 per semester beginning September 1959 be reduced to $2 and the duration of the payment extended. Madian expressed the opinion that the way that the financing of the student union has been handled indicates "a disregard for student opinion". According to the report, he stated that the fee was raised with no consultation of the students and was passed after the ASUC election last year so that it could not become an election issue. Little balance was added by the information (attributed to Bud Hastings) that the student union was voted on and approved by the students in the 1955 election... "and that in approving the building of the student union the students recognized the fact that a student union fee would ensue."

I mailed off my article on Ernest O. Lawrence, as promised, to Graham DuShane, Editor of Science (the AAAS magazine) and signed a request for submission of major capital improvement projects for consideration in the 1960-65 five year program to chairmen of departments and directors of institutes and laboratories (noting "with the current depleted State treasury,... [it] should be considered as encompassing a seven to ten year period.")

CONGRATULATORY LETTERS---CHANCELLORSHIP

A

ALLEN, Raymond B. - Chancellor, UCLA
ALVING, Mr. and Mrs. W. - Alumni
ANDREWS, Jesse - The Robert Welch A. Foundation
ARCHER, James W. - Alumnus

B

BATES, Stanley - State College of Washington - Department of Intercollegiate Affairs
BELLQUIST, Professor Eric C. - UC - Department of Political Science
BLUM, Dr. Robert - The Asia Foundation
BOLTON, Dr. Earl C. - Vice President, University of Southern California
BOOTH, Professor Bradford A. - UCLA - Department of English
BOYD, Philip L. - Regent
BREUNER, Wallace R. - Breuner's
BRODE, Dr. Robert B. - National Science Foundation
BROWN, C. W. - UC - Office of the Chancellor
BROWNELL, Dean W. A. - UC - School of Education
BURDICK, Professor Eugene - UC - Department of Political Science

C

CANTRIL, Dr. Simeon T. - M.D. - Seattle, Washington
CARR, Dr. Robert - State College of Washington - Department of Chemistry
CARROLL, Mr. Thomas H. - Vice President, Ford Foundation
CARTER, Dr. E. Finley - Stanford Research Institute
CHERNIN, Milton - UC - Dean, School of Social Science
CHRISTOPULOS, Paul - UC - Associated Students
COHEN, Miss Natalie - Alumna
CONEY, Professor Donald - UC - Librarian
CORLEY, James H. - UC - Vice President - Business Affairs
COX, Robert V. - President, Jaycees
CRESPO. Vitor - UCRL - Visiting Graduate Student from Portugal
CREUTZ, Dr. E. - General Atomic
CUNNINGHAM, Thomas J. Esq. - UC - General Counsel

D

DANIELS, Dr. Farrington - University of Wisconsin - Department of Chemistry
DANIELS, Dean T. C. - UC - Medical Center - School of Pharmacy
DANTON, Dean J. P. - UC - School of Librarianship
DAUBEN, Professor and Mrs. W. G. - UC - Department of Chemistry
DAVIDSON, Dr. Arthur W. - University of Kansas - Department of Chemistry
DAVIS, Watson - Science Service, Washington, D.C.

DAVIS, William J. - Stiles Hall, University Young Men's Christian Association
DAWSON, Professor Lyle R. - University of Kentucky - Department of Chemistry
DAY, James - KQED
DEAN, General William F. - Retired General, U.S.A.
DENNES, Professor William R. - UC - Department of Philosophy
DICE, Marion E. - General Petroleum Corporation
DODD, Paul - UCLA - Dean of College of Letters and Science
DOHERTY, Wilfred T. - The Robert A. Welch Foundation
DUFFUS, Lee - President of Mesn of Smyth Association
DUFRENOY, J. - Conservatoire National des Arts et Metiers
DUMKE, President Glenn S. - San Francisco State College
DUNLAVEY, Dean C. - ex-student

E

ELLIOTT, Pete (and D. Andros) - UC - Department of Physical Education
EMERY, Dr. Alden H. - American Chemical Society
ERICKSON, Richard E. - Executive Manager California Alumni Association
ESSIG, Mrs. Robert W. (Frances) - UC - Office of President
EWART, R. H. - U. S. Rubber Company

F

FINDLAY, Bruce A. - Los Angeles City Board of Education
FINK, Mitchell P.
FOREMAN, Bruce M., Jr. - ex-student
FRANKEL, Richard S. - Nuclear Science and Engineering Corporation
FREEBORN, Provost Stanley B. - Davis
FRIEDLANDER, Dr. Gerhart - Brookhaven National Laboratory

G

GARNER, Professor Clifford S. - UCLA - Department of Chemistry
GATES, Dr. Marshall - University of Rochester - Department of Chemistry
GILBERT, Professor Luther C. - UC - School of Education
GLASS, Dr. Richard A. - Stanford Research Institute - ex-student
GODDARD, J. Kyle - United States Junior Chamber of Commerce
GOLDMAN, Miss Marianne - KQED
GOTAAS, Professor H. B. - Northwestern University - Technological Institute
GRAHAM, Don - Alumnus
GRAHAM, John S. - Atomic Energy Commission, Washington, D.C.
GRAY, Dr. Peter R. - ex-student
GREENBERG, Professor David M. - UC - Department of Biochemistry
GRETHER, Professor E. T. - UC - School of Business Administration
GROVER, Dr. James Robb - Brookhaven National Laboratory, Chemistry Department-ex-student
GRUEN, Dieter M. - Argonne National Laboratory
GUCKER, Dean F. T. - Indiana University - College of Arts and Sciences

H

HALABY, N. E. - Servomechanisms Inc.
HALL, Lloyd A. - The Griffith Laboratories, Inc.
HAMILTON, Brutus - UC - Department of Athletics
HAMMERBECK, Bernard A. - Acting Commissioner - Pacific Coast Intercollegiate Athletic Conference
HANSON, S. G. - General Manager - California State Employees' Association
HARBACH, Edwin - Alumni
HART, Dean D. J. - University of Florida, College of Business Administration
HASTINGS, Paul T. - UC - Executive Director - A.S.U.C.
HENDRICKS, L. Porter - UCLA
HOGNESS, Thorfin R. - Director, Chicago Midway Laboratories, University of Chicago
HOLMES, Dr. and Mrs. Jack A. - UC - Department of Education
HOWE, Dr. John P. - Atomics International
HULTEN, Professor Charles M. - UC - Department of Journalism
HUTCHISSON, Dr. Elmer - American Institute of Physics
HYNDMAN, P. N. - San Diego Alumnus
HOWELLS, Ralph - President, University Students' Cooperative Association, Berkeley
HUIZENGA, Dr. John - Argonne National Laboratory

J

JANZEN, Professor Assar G. - UC - Department of Scandinavian
JORDAN, Dr. H. F. - U. S. Rubber Company
JORDAN, W. Alex - W. Alex Jordan Associates, New York
JOYCE, The Reverend Edmund P. - Univesity of Notre Dame

K

KAISER, Henry J., Jr. - Kaiser Industries Corporation
KAPLAN, Dr. Joseph - UCLA - Department of Physics
KATZIN, Dr. Leonard I. - Argonne National Laboratory
KEELER, William - UC - School of Law
KEENE, R. S. - Oregon State College Department of Intercollegiate Athletics
KENT, Thomas J. Jr. - UC - Department of City and Regional Planning
KERR, Dr. T. S. - Northwestern Association of Secondary and Higher Schools, Moscow, Idaho
KETTLER, Raymond W. - UC - Controller
KING, Richard D. - UC -Executive Vice President - Associated Students
KNIGHT, The Honorable Goodwin J. - Governor of California
KNUDSEN, Dr. Vern O. - UCLA - Vice Chancellor
KOHMAN, Dr. Truman P. - Department of Chemistry, Carnegie Tech.
KRAGEn, Professor Adrian A. - UC - School of Law

L

LASHER, A. E. - Specialty Resins Company
LAUTERBACH, R. E. - UCLA classmate
LE TENDRE, Elwin - Principal - Berkeley High School
LEVINE, Dr. C. A. - Dow Chemical Company - ex-student
LI, C. H. - UC - Hormone Research Laboratory
LIBBY, Dr. W. F. - U.S. Atomic Energy Commission, Washington, D.C
LIVINGSTON, Lawrence - Trustee of Alfred Hertz estate
LONG, Dr. F. A. - Cornell University - Department of Chemistry
LOOMIS, Professor C. Grant - UC - Department of German
LOVE, President Malcolm A. - San Diego State College

Mc

McCAFFREY, Stanley E. - UC - Vice President
McCORMICK, Frank G. - Investors Diversified Services, Inc. - Minneapolis
McCUNE, Richard S.

M

MAC CORMICK, Austin - UC - School of Criminology
MAJORS, O. Cort - Alumni
MARTIN, A. W. - United States Rubber Company
MOLDENSCHARDT, W. C. - University Branch - Bank of America
MOORE, Dr. Emmett B. - State College of Washington
MORGAN, Collette - ASUC 1957 Student Body Officer
MORGEN, Dr. Ralph A. - Purdue Research Foundation
MULFORD, Honorable Don - State Assemblyman

N

NEWBURN, Dr. Harry K. - Educational Television and Radio Center, Ann Arbor, Michigan
NEYLAN, John Francis - Former Regent
NEYMAN, J. - UC - Professor of Statistics
NIERENBERG, Dr. William A. - UC - Department of Physics
NISBET, Bob - UC - College of Letters and Science
NIXON, Honorable Richard M. - Vice President, USA

O

OBERN, E. George - UC Santa Barbara - Office of Public Information
O'DONNELL, Dr. Ashton J. - Stanford Research Institute

P

PARKER, Cecil - UC - School of Education
PEARCE, Dick - Writer for the San Francisco Examiner
PERRY, Lewis B. Jr. - UC - Personnel Office
PLATE, James B. - Little, Brown and Company publishers

Q

QUINN, Reverend Joseph L. - Director of Newman Hall

R

RANEY, Mark - Alumnus, Bakersfield
RICE, Bill - Plant Engineering, UCRL
RICE, Jonathan C. - KQED
ROBERTSON, Professor G. Ross - UCLA - Department of Chemistry
ROBINSON, Bob - Tailor
ROSSINI, Dr. Frederick D. - Alumni
RUBIN, Robert - Assistant Director of Public Relations Olympic Winter Games
RYERSON, Knowles - UC - Dean of College of Architecture

S

SAMUELSEN, Roger - ASUC 1958 Student Body Officer
SAUNDERS, John B. de C. M., M.D. - UC - Medical Center
SAWYER, Frederick G. - Jacobs Engineering Company
SCHLAN, Janet - Secretary - Los Angeles Chapter California Alumni Association
SCHMIDT, Victor O. - Former Commissioner, P.C.C.
SEARCY, Professor Alan W. - UC - Division of Mineral Technology
SEMANS, Dean H. H. - Foothill College District, Los Altos
SHERBURNE, Edward G. Jr. - University Extension - Visual Communication and Educational TV
SHERMAN, Lt. R. S. - Berkeley Alumni
SILVERMAN, Dr. Alexander - Professro and Head of Department of Chemistry, University of Pittsburgh
SILVERMAN, Dr. Louis B. - UCLA classmate - Atomic Energy Project
SIMPSON, Roy E. - Superintendent of Public Instruction and Director of Education
SMITH, Dean Charles E. - UC - School of Public Health
SNYDER, Dr. Rixford K. - Director of Admissions, Stanford University
SPIETH, Dr. Herman T. - Provost, UC Riverside
STANLEY, Professor Wendell M. - UC - Virus Laboratory
STERLING, President J. E. Wallace - Stanford University
STERN, Professor Curt - UC - Department of Zoology
STEWART, 2/Lt. L. D. - Alumni
STONE, Dr. J. C. - UC - Department of Education
STRAUSS, Lewis L. - former Chairman, Atomic Energy Commission
STRICKLIN, William A. - President A.S.U.C., Berkeley

SUGARMAN, Nathan - University of Chicago, Department of Nuclear Studies
SULLIVAN, Dr. William H - Oak Ridge National Laboratory
SUTTON, Darrow L. - San Francisco, Bank of America
SWAFFORD, Mary - The Swafford Company, Inc., Commissaries
SWANSON, Professor Chester J. - UC - Department of Education

T

THEOPHILUS, President D. R. - University of Idaho
TOWLE, Dean Katherine A. - UC - Dean of Students

V

VANDENBOSCH, Bob and Sue - Argonne - ex-student
VAN SANT, Merritt E. - Alumni
VASCHE, Dr. J. Burton - Associate Superintendent, State of California Department of Education
VODRA, Victor H. - Rubbermaid Inc. - UCLA classmate
VOLWILER, Ernest H. - Abbott Laboratories

W

WATSON, Professor Norman A. - UCLA - Department of Physics
WEINBERG, Dr. Alvin M. - Oak Ridge National Laboratory
WERNER, Dr. Louis B. - AEC Scientific Representative in London
WHITAKER, M. D. - President, Lehigh University, Bethlehem, Pennsylvania
WHITE, Mr. L. M. - United States Rubber Company
WHITLEY, William - KTNX Los Angeles
WILKE, Dr. and Mrs. Charles R. - UC - Department of Chemical Engineering
WILLARD, Dr. John E. - The University of Wisconsin
WILLETT, Hugh C. - Los Angeles City Board of Education
WILLIAMS, Arleigh - UC- Dean of Men
WRIGHT, Mrs. Virgil - Alumna, Bakersfield
WURSTER, Dean William W. - UC - College of Architecture

XYZ

YOUNG, Vice Chancellor William G. - UCLA
ZEFF, Dr. Margaret G. - UC- Acting Director, Cowell Memorial Hospital

At 9:30 a.m. I had an appointment with Stefan Riesenfeld to discuss the move of the Institute of International Studies from their headquarters in the library to Piedmont Avenue. He expressed doubts that the University policy that institutes be moved to peripheral areas is sound in every case. In some cases, he said, this works great hardship on programs of the Institute. I said that the biggest problem is space determination. I assured him that I am sympathetic to the area of international studies and asked that he report directly to me. He will send periodic informal reports.

After my meeting with Riesenfeld, I dictated several long and rather important letters and memoranda. I wrote Vice President Wellman conveying the recommendations of the Buildings and Campus Development Committee regarding the priorities of the items in the Berkeley Campus Land Acquisition Program. The Committee recommended that state funds be used for purchasing the parcels of land proposed in the program (which include sites needed for new buildings scheduled in the 1959-64 Major Capital Improvements Program, properties of fraternities on land not immediately needed by the University which may be improved and thus result in increased cost at a later date, Newman Hall properties which are of sufficient size to be attractive to commercial enterprises interested in constructing large apartment houses, small properties located in the area of the residence halls which, because of their state of disrepair, may attract commercial enterprises and Anna Head School properties which are on land programmed for playing fields and parking and which may be put on the market prior to the time the University contemplates their purchase). They also recommended that any special funds available be used to accelerate land purchase in the order recommended in the MCI Program of 1959-64 and that if special funds are available a portion of these funds be set aside for purchases of opportunity and necessity. If no non-State funds are available for purchases of opportunity and necessity, I urged that renewed efforts be made to obtain State funds for these purchases.

In response to a letter from Father Joseph Quinn, Director of Newman Hall, I also wrote a memorandum to Clark Kerr urging that the University administration should take immediate action to purchase the Newman Hall parcel east of La Loma Avenue and that he consider presenting this recommendation to the Regents at the October meeting.

In a long letter (attached) to John McCone, Chairman of the Atomic Energy Commission, I made my most eloquent plea for an ultra-high flux reactor, re-emphasizing what I learned in Geneva of the Soviet efforts in this field and citing my many talks with my scientific colleagues on this subject and their general agreement about the critical need. I tried to make clear the critical importance of this undertaking to scientific advances and the urgency of taking immediate action. I summarize my recommendations as follows: 1) Official approval be given to the national heavy isotope production program which already is well formulated; and 2) Immediate steps be taken on design and construction of an ultra-high flux pile, with precedence given to the type which can be put into operation at the earliest date. I closed on a rather more personal note, "My new duties as Chancellor have rather limited the amount of time I have to devote to science, but I am managing to maintain a modest research program, as well as to participate in Radiation Laboratory management. Because of the importance which I attach to the ultra-high flux reactor and the heavy isotope production program generally, I would also be anxious to devote such time as possible to aid in getting these programs launched."

UNIVERSITY OF CALIFORNIA

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA

October 3, 1958

5. LABORATORIES. Berkeley
Admin. H.Element Production
1957-59

Mr. John A. McCone, Chairman
U.S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. McCone:

As you may know, the subject of a "very high flux" pile has been on my mind for some time and I have discussed the matter, verbally and in writing, with a number of people. I should like to call to your attention, particularly, correspondence I have had with Lewis Strauss and am enclosing copies. My letter of October 24, 1957 deals more generally with the heavy isotope production program and includes steps which can and should be taken utilizing existing facilities, as well as the function of a pile with higher neutron fluxes. I shall mention the progress to date later in this letter.

The reasons I am writing to you at this time concerning the ultra-high flux pile are two-fold: (1) I believe we must act with great dispatch if we are not to lose irretrievably to the U.S.S.R. the lead in important areas of research. (2) My ideas have crystallized on the type of reactor to go after immediately.

The matter of national prestige has been well stated in the August, 1958 report of the Subcommittee on Research and Development, Joint Committee on Atomic Energy (page 22) from which the following excerpt is taken:

> "It was emphasized, in this connection, that we are presently engaged in a dramatic competition with Soviet scientists in the field of the so-called transuranium elements, some of which are as yet undiscovered. The identification and proof of existence of these elements is a matter of great significance to the scientific community, not only from the standpoint of the ultimate practical consequences of such discoveries but also from the point of view of world prestige. According to established custom, if Soviet scientists make these discoveries first, each successive element discovered in the transuranium range will automatically bear Russian names and will be so recorded in scientific textbooks and journals throughout the world.
>
> "For this reason, a number of witnesses emphasized the importance of providing our scientists with the necessary research tools, including costly accelerators and high flux reactors, to give them every opportunity to meet the Soviet challenge effectively."

That which I feared would happen concerning our position relative to the U.S.S.R. (see also my letter to L. L. S.; October 24, 1957) is apparently taking place. During the Geneva Conference I learned from Drs. Yakovlev and Kosyakov that a reactor which will deliver a neutron flux of about 2×10^{15} will be completed in 1959 or early 1960. Since work involving multiple neutron capture such as that on the transuranium elements, progresses according to something like the 5th power of the neutron flux, one can readily see that they would almost immediately become pre-eminent in the field. I have used this example because it has been one of my greatest personal interests, but an ultra-high flux pile would, of course, produce major advances on a number of fronts. Not least of these is the development of new reactor technology.

continued

In view of the urgency of the situation, I firmly believe that major consideration should be given to the length of time necessary to have an operating reactor. I would like to reaffirm my support for the program involving a versatile and inherently costly reactor such as the Mighty Mouse. However, if funds cannot be provided soon or if the overall development and construction period should be long, I would strongly recommend that a reactor of more limited versatility be undertaken immediately. I have in mind one of the flux-trap type which I am told can be engineered and built for something in the range of $5-10 million. I have discussed these thoughts informally with Alvin Weinberg, John Williams, Eugene Wigner, Norman Hilberry, Edward Teller, and others, and believe that they agree substantially.

I have only had the opportunity to talk to physicists and engineers of one laboratory, namely Livermore, about this subject, and found that they would be highly interested in the undertaking and feel that they have the capability. However, the question should undoubtedly be discussed with other laboratories as well.

On the question of the heavy isotope production with existing facilities, let me first outline the underlying philosophy. The heart of the problem is the irradiation of substantial quantities of plutonium as reactor fuel elements to form hundred gram quantities of Cm^{244} and smaller quantities of higher isotopes. These would all have great intrinsic interest for immediate experimentation on their chemical and nuclear properties and would be used for further transmutations by the particle accelerators. However, the bulk of the Cm^{244} would then be placed in the ultra-high flux pile to make valuable amounts of the elements berkelium, californium, and einsteinium which can only be made in this way. This program has been explored in great detail by representatives of the Commission Research Division staff, several of the A.E.C. laboratories and production sites, and agreement has been fully reached on its feasibility and the necessary inter-laboratory participation.

The national program visualized would consist of the irradiation of 10 kg. of plutonium in one of the Savannah River Plant reactors. I would recommend that immediate steps be taken to give this program official approval and status. The only major technical decision still outstanding concerns the responsibility for the fabrication of the plutonium fuel elements. It was thought that Rocky Flats could best undertake this job provided they could obtain approval from the DMA. We realize, of course, that Rocky Flats has other urgent commitments but trust that some means can soon be found for implementing this decisive part of the program.

In summary my recommendations are as follows:

(1) Official approval be given to the national heavy isotope production program which already is well formulated.

(2) Immediate steps be taken on design and construction of an ultra-high flux pile, with precedence given to the type which can be put into operation at the earliest date.

Let me close on a personal note. My new duties as Chancellor have rather limited the amount of time I have to devote to science, but I am managing to maintain a modest research program, as well as to participate in Radiation Laboratory management. Because of the great importance which I attach to the ultra-high flux reactor and the heavy isotope production program generally, I would also be anxious to devote such time as possible to aid in getting these programs launched.

Sincerely yours,

Glenn T. Seaborg

CC Paul F. Foster
W. F. Libby
J. A. Williams

I received a very interesting letter from Alvin Weinberg (Director at Oak Ridge National Laboratory) listing his choices for the most promising people in the nuclear engineering field for our consideration in our search for a department head: Henry Hurwitz (General Electric, in charge of the Sherwood work), Sidney Siegel (North American, technical director), Peter Fortescue (General Atomic, specializing in gas-cooled reactors) and John Dunworth (Harwell). He noted that these people "represent the very highest level of sophistication and competence. This means to get any one of them is correspondingly difficult." An alternative approach, he suggested, would be to select a young and very promising member of our engineering or physics staff and specifically train them for the job by sending them to either Oak Ridge's or Argonne's reactor schools to learn all the highly technical requirements of the reactor business.

On an entirely different subject, Weinberg wrote me that he heard from John Turkevich about the occasion in Geneva when we were stood up by a number of Russian chemists, including Vinogradov, at an evening dinner for Russian chemists. He said that "John took at rather dim view of this incident and seemed to read into it some dire and sinister political significance." Apparently, Weinberg (who got to know Vinogradov rather well at a conference in Austria the following week) took Vinogradov to task a bit "pointing out that this is not the way to improve American-Soviet relationships." Vinogradov explained the incident by telling him that the Russian invitees got waylaid at a reception at the Bulgarian embassy which preceded our party. Weinberg remarks parenthetically "(and possibly got tight)". Alvin thinks I may receive an apology from Vinogradov and asked that I relay it to Turkevich.

I also read a memo from Alex Sherriffs drawing my attention to today's Daily Cal article about Madian's objections to the student union fee. He reported that he met today with Bob Kerley, Arleigh Williams, Bill Stricklin, Jim Yenckel and Hurford Stone and that they decided to handle the situation by a) issuing a clear statement by Bill Stricklin regarding the true facts, history of all financial matters, responsibilities and obligations "which were so seriously misrepresented today" and b) publication next week of a Daily Cal Memorial Union supplement "so that 6,000 new students will become informed and so that the old students may be reminded."

I had lunch at the Claremont Country Club with Mike Koll (of the UCB Alumni Association and in charge of the Lair of the Bear summer camps for alumni).

Beginning at 1 p.m. I participated in the Big C Society's golf tournament at the Claremont Country Club. I played a low ball- low total (two points per hole) match which paired Bennie Lom and me against Mike Koll and Bud Hastings. Despite the fact that I was given seven strokes, Bennie Lom and I lost, 8 and 6. Our individual scores were Koll, 89, Hastings, 73, Lom, 84 and me, 98. After the tournament, the Society hosted a dinner at the Country Club which wound up at about 9:30 p.m.

Saturday, October 4, 1958

I spent the morning making sure that I am well-prepared for my week-long trip to Washington, D.C., Oak Ridge National Laboratory and Chicago.

Helen and I attended the Washington State game at Memorial Stadium beginning at 1 p.m. The score was Cal, 34, Washington State, 14.

At 8:30 p.m. a Lab car picked me up at my home in Lafayette and drove me to the San Francisco Airport where I caught TWA Flight #54 at 10:15 p.m. to Washington, D.C. It was a non-stop overnight flight equipped with a "sleeperette"- an accommodation poorly designed for my long legs.

Sunday, October 5, 1958- Washington, D.C.

My flight arrived in Washington, D.C. at 10:15 a.m. and I hurriedly caught a cab to the Hotel Statler to check in. I then immediately took another taxi to the AAAS office at 1515 Massachussetts Avenue to attend the meeting of the National Science Planning Board which was scheduled to begin at 10 a.m. As it happened, they were a bit late getting the meeting started so I had not missed much of the discussion by my late arrival.

Present at the meeting to plan for the Century 21 Exposition in Seattle in 1961-62 were: Froelich Rainey (Chairman), Leonard Carmichael, Harold J. Coolidge, Frank Fremont-Smith, Harry F. Harlow, Donald Loughridge, Donald H. Menzel, James Mitchell, J. C. Morris, Hans Neurath, Gerard Piel, Henry Bradford Washburn, Jr., Paul Weiss, Dael Wolfle, Paul Thiry (primary architect of the Exposition) and staff members Ewen C. Dingwall and Barry Upson. Ewen Dingwall made a progress report on all phases of the planning for the Century 21 Exposition, including an explanation of the significance of the recently passed federal legislation and also the problem of obtaining funds to implement the bill. Froelich Rainey then reviewed the results of our first meeting in Seattle: selection of exhibit subjects, demonstrations of ways in which science might benefit the Pacific Rim countries, international planning of scientific displays, proper methods of displaying scientific subjects for public consumption and practical techniques of exhibitions.

We then discussed various areas of basic science that might be featured and made a list of ten topics which subcommittees will develop further. Our list of categories includes:

1. Renewable Natural Resources
2. Space Travel
3. Behavior
4. Earth Sciences
5. Communications
6. Synthesis (to be coordinated by me and Hans Neurath)
7. Laws of Nature (which I will coordinate with Joseph Morris)
8. Evolution- Heredity, Growth and Development
9. Energy
10. Science of Man

Neurath and I got together to talk further about the Synthesis category. We decided that it would be helpful to divide the subject into two groups: biosynthetic and chemical. Our subject would cover new elements, isotopes, complex molecules, including high polymers (plastics, fibers, rubber), photosynthesis (relation to food and agriculture), drugs and anti-metabolites, chemotherapy, mental agents (tranquilizers, reserpine, etc.), biosynthesis (nucleic acids and proteins), virus synthesis, cholesterol and arteriosclerosis, separation and procedures, cell aggregation, etc. Our suggestions for the Biosynthesis subcommittee are: W. M. Stanley (University of California), E. E. Snell (University of California), E. L. Smith (University of

Utah) and Neurath (University of Washington). The Chemical subcommittee might be composed of: Henry Eyring (University of Utah), Paul Cross (University of Washington), Melvin Calvin (University of California), Hermann Mark (Brooklyn Polytechnic), Herbert Carter (University of Illinois), Linus Pauling (CalTech) and myself.

Joe Morris and I also met briefly to discuss the organization of the Laws of Nature category. We determined that we ought to cover the periodic table, fundamental particles (including a demonstration of their detection), antimatter, conservation laws (including parity and strangeness), the electromagnetic spectrum (well-demonstrated), atomic and molecular structure, crystal structure, cellular organization, Einstein's $E=mc^2$, some mathematical laws and figures and examples of surprising applications of basic laws, etc. We decided that it would be a good idea to talk with Clyde Cowan of Catholic University (who was in charge of the Geneva exhibit) and we also want to consult with the Zacharias group at M.I.T.

After a brief break in the afternoon, we reconvened at the Sheraton Park Hotel's Madison Suite to continue our discussions over dinner.

Monday, October 6, 1958- Washington, D.C.

I woke up very early this morning in order to watch the first of Harvey White's "Continental Classroom" broadcasts on television. Unfortunately, I missed the beginning of the program which apparently began at 6:15 a.m. (instead of 6:30 a.m., as I had been told) because when I switched on the set at 6:30 a.m., it was well under way. On the whole, I feel the program was very well-presented. Harvey introduced his subject in a very workman-like manner. My only thought was that the very first program in the series might have benefited from a greater show of enthusiasm.

The National Science Planning Board continued our work of yesterday. We presented our suggestions concerning the exhibits planned for each of the ten categories mapped out yesterday. (My contributions to "Synthesis" and "Laws of Nature" were generally well-received.) We also agreed on the composition of the Executive Committee: Donald Loughridge, Donald Menzel, Dael Wolfle, Ewen Dingwall and Froelich Rainey. The Executive Committee will put together all of the material from our small group sessions and send it to us for our review. Watson Davis and his staff from Science Service presented the idea of holding a National Science Fair (or possibly an International Science Fair) at Century 21 in Seattle. Their plan was accepted by the Planning Board. One idea of interest was the suggestion that they might hand out "science kits" at the Fair. I had the opportunity this morning to mention my idea of a National Science Museum in the new Smithsonian space to Leonard Carmichael. He told me that the Smithsonian will feature the history of science and technology. Our meeting adjourned at 1:45 p.m.

At 3:30 p.m. I kept an appointment with Robert Brode at the National Science Foundation office at 1951 Constitution Avenue. (Bob is an Associate Director of the Foundation.) We met to talk about NSF support for Melvin Calvin's building. He said that there is a good chance for 100% financing of the project. We discussed $800,000 for the building plus $200,000 for furnishings. He promised to contact Calvin regarding any further work on his application or need for further references. Bob also told me that there is a good chance of getting the $100,000 needed for the installation of the 701

computer at Berkeley by April 1st. (Louis Henyey or Ed Teller ought to contact Brode about this.) I mentioned my idea of an E. O. Lawrence Memorial Science Museum and Bob seemed to think that NSF might help with the operating expenses for such a museum. From what he told me, it is apparent that funds are available ($130 million this year and $240 million projected for next year) for reasonable purposes and that we should be much less conservative in applying for them.

I then walked over to the Smithsonian Institution's Natural History Building at 10th and Constitution Avenues where I happily spent about thirty minutes looking at the new collection of gems and minerals, probably the best collection of its kind I have ever seen.

After picking up my bag at the Statler Hilton, I took a cab to the National Airport to meet Herb York for dinner there. We enjoyed a leisurely dinner which gave us a good opportunity to discuss a number of subjects. Herb had dinner with Otto Struve last week and they are both agreed that we should set up a space research institute at UC. York thinks we might begin with a budget of about $1 million with a staff of about twenty scientists, including engineers familiar with the hardware of rocketry. We might get our instrumentation on about one rocket per year (launched by others, of course). Herb will talk with Bob Brode to get his opinion and will also discreetly investigate the possibility of support from NASA (the National Aeronautics and Space Administration). T. Keith Glennan is "Administrator" and Hugh Dryden is "Deputy Administrator" of this new national agency.

Herb and I also talked about his interest in the job of Dean of the College of Engineering at Berkeley; he will give me his answer by the middle or end of November. I told him that I would warn him not to accept the appointment if I find the College of Engineering might not be receptive to his appointment but I feel that this is an unlikely contingency. In that event, since he would have already served notice on his Washington job, he would have the following alternatives: 1) to return to Livermore, 2) to connect with (or perhaps head) the space research institute, or 3) to simply become a Professor of Physics. I explained the five to seven year term of deans to him and we talked a bit about the possibility of his teaching a course in Astronautics in the Aeronautical Engineering Department. I showed Herb Alvin Weinberg's list of suggestions for the head of the Nuclear Engineering Department. He added the name of Sam Untermyor of Vallecitos to those we might consider.

At 9 p.m. I caught Capital Flight #279 to Knoxville, Tennessee, which arrived at 10:42 p.m. At the airport there I was met by a limousine, which took me to Oak Ridge where I checked into the Alexander Hotel for the next two nights.

Tuesday, October 7, 1958- Oak Ridge, Tennessee

In my role as a member of the visiting committee, I attended the Chemistry Division Information meeting at Oak Ridge National Laboratory this morning from 9 a.m. until noon. I listened to ten-minute presentations from the following people on the noted subjects:

NEW YORK TIMES, MONDAY, OCTOBER 6, 1958.

SETTLEMENT SEEN ON ATOMIC PATENT

Libby Expects Board to Act on Plea by 4 Scientists Within 'a Few Months'

By PETER KIHSS

A claim for royalties on a basic method of extracting nuclear fuel should be settled "in a matter of a few months," Dr. Willard F. Libby of the United States Atomic Energy Commission said yesterday.

The claim involves the initial concept for the gaseous diffusion process for separating uranium 235 from the heavier uranium 238 with which it is associated in nature. U-235, which accounts for only 0.7 per cent of natural uranium, was the fuel for the first atomic bomb.

No specific sum is claimed, but it is understood the application may involve tens of millions of dollars based on a percentage of the value of U-235 produced thus far.

Such production might be estimated at anywhere from $1,000,000,000 to $20,000,000,000, depending on the method of calculation.

On the other hand, the commission has made only two substantial awards under the Atomic Energy Act of 1946 providing for reasonable royalty fees, just compensation and awards in special cases.

A $300,000 award went to Dr. Enrico Fermi and six associates for work in Italy before 1934 involving production of radioactive materials. Initially they had asked $10,000,000.

The other award was for $400,000 on a claim by Dr. Glenn T. Seaborg and three colleagues covering basic processes for separating plutonium, the nuclear fuel in the second atomic bomb used against Japan.

The New York Times

Dr. Willard F. Libby

The U-235 claim has been advanced before the commission's Patent Compensation Board by the Basic Science Foundation for more than a year.

Dr. Robert L. Johnson, president of Temple University in Philadelphia, said the foundation had been specially set up by the four scientists involved to distribute as grants for basic research by leading universities any funds awarded beyond "a small amount the inventors would get."

The four scientists are Dr. John R. Dunning, Dean of the School of Engineering at Columbia University; Dr. Eugene T. Booth, Professor of Physics now on leave from Columbia and living in Washington; Dr. Alfred O. C. Nier, Dean of the School of Engineering at the University of Minnesota; and Dr. Aristid V. Grosse, president of the Research Institute of Temple University in Philadelphia.

Dr. Johnson, reluctant to discuss the case, said the scientists had set up the foundation two or three years ago so that the bulk of their compensation could be "used for basic research in the best interests of the United States."

He said he was named president as a layman to pick other members of the board. Dr. George B. Pegram, former Columbia vice president, who died last Aug. 12, was named board chairman.

20 or 30 Grants Planned

The intention, Dr. Johnson said, would be to give the major grant to Columbia, followed by Minnesota and Temple and then twenty or thirty other leading universities with scientific laboratories.

The scientists first applied for a patent in 1940. This was after Dr. Nier had provided tiny amounts of different forms of uranium concentrated by his mass spectrometer, for work by Dr. Dunning, Dr. Booth and Dr. Grosse with Columbia's cyclotron. They showed that U-235 could be split by slow neutrons to give atomic energy.

The official United States report on the atomic bomb, written by Dr. Henry DeWolf Smyth of Princeton, said "the diffusion method was apparently first seriously reviewed by Dunning in a memorandum to G. B. Pegrum" in the fall of 1940. This summarized the Columbia investigations.

A. Chetham-Strode	Thermal Neutron Induced (n,α) Reactions in the Heavy Elements
G. D. O'Kelley	Proposed Experiments with Delayed Neutron Emitters
J. Halperin	Neutron Cross Sections
S. Lindenbaum	Studies on Ion Exchange Mechanisms Using Liquid Ion Exchangers
F. Vaslow	Calorimetric Measurements of the Heats of Lithium Isotopes by Ion Exchange

Chetham-Strode said that he is planning to study the Am^{241} (n,α) Np^{238} reaction by measuring the yield of radioactive Np^{238}. In addition to the five speakers listed above, Max Bredig spoke on the electrical conductivity of alkali metals in molten salts; Ray Stoughton, on the chemistry of aqueous solutions at high temperatures; Clarence Hochandel, on the radiation chemistry of some aqueous solutions; Charles Baldock, on negative ions in gases and Robert Livingston, on paramagnetic resonance in irradiated methanol and ethanol.

After lunch, I met with the Chemistry Technology group on heavy isotope production problems. Present were: F. Culler, F. Bruce, Don Ferguson, R. B. Martin, Rex Leuze, Warren Eister, George Pleat, Jack Vanderryn, A. Chetham-Strode and Dan Miller (AEC). Ferguson gave out an ORNL chemical processing schedule and informed us that they have a $1.2 million chemical processing facility in the 1960 budget which the Atomic Energy Commission has already okayed.

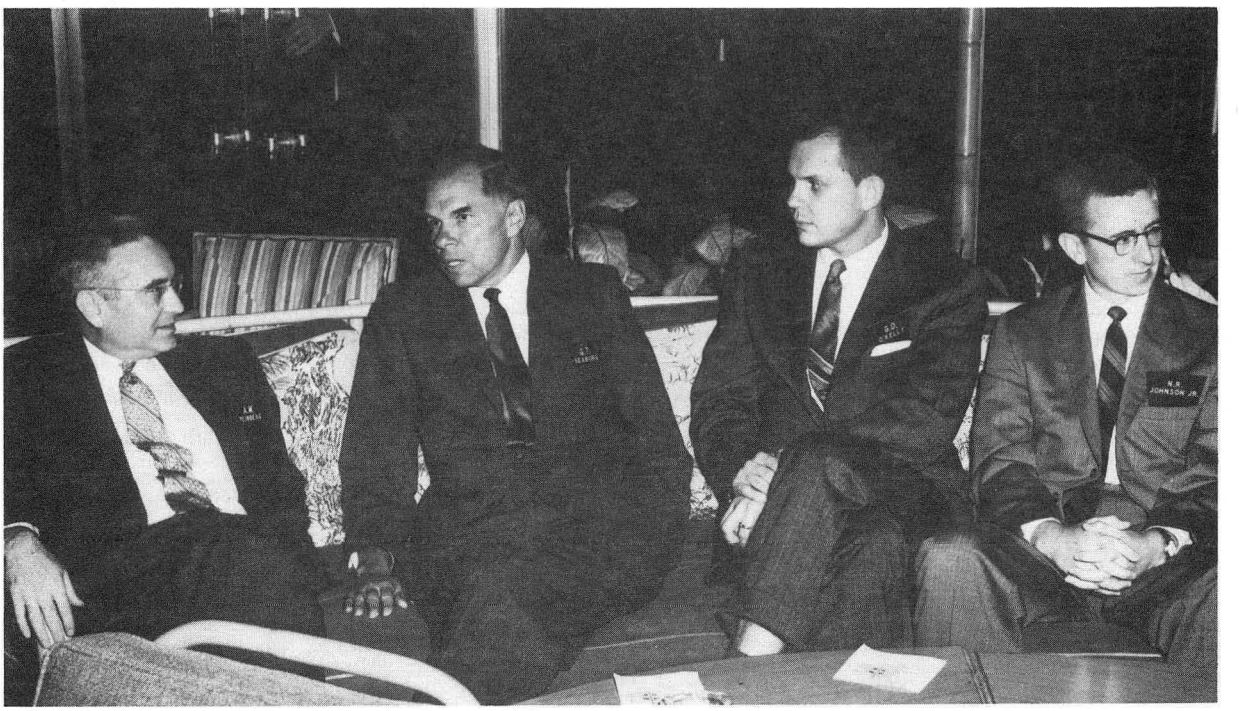
During our various conversations I learned that Hanford will irradiate some plutonium to be further irradiated at Savannah River, that more americium will be irradiated at MTR at my request and that the building of a cyclotron at ORNL has been approved.

Late in the afternoon I had the chance to play six holes of golf with Al Chetham-Strode and George Creek at the Oak Ridge Country Club. Chetham-Strode scored 39, Creek, 33, and I scored 29. We then went on to the Dean Hill Country Club for a dinner meeting of the Chemistry Division.

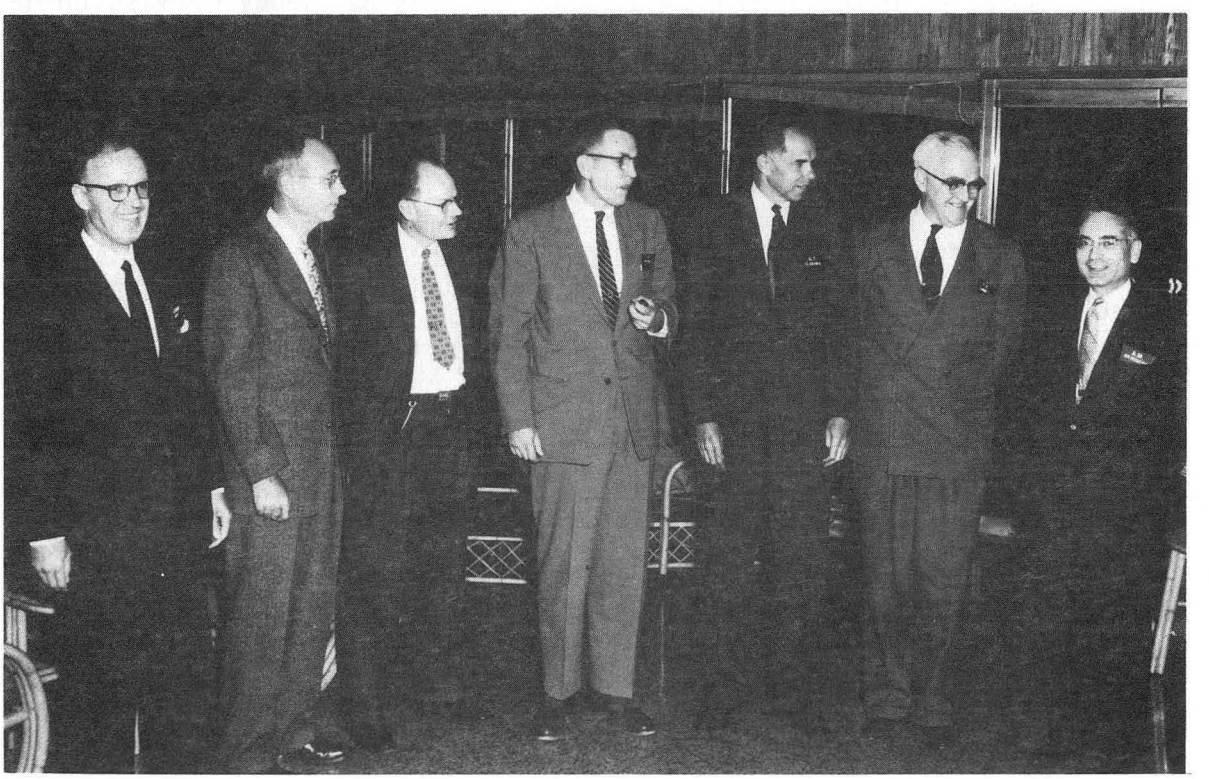
After dinner Alvin Weinberg gave a talk about a number of his observations at the Geneva conference last month. He told an amusing anecdote about the Sheik of oil-rich Kuwait who had rented the entire two top floors of the DuRhone Hotel to accommodate his large entourage. His fleet of Cadillacs could be seen parked in front of the hotel. When his reservation had expired, at the time when the attendees at the UN Conference on the Peaceful Uses of Atomic Energy began to arrive, he decided that he did not want to leave and threatened to buy the DuRhone Hotel if they attempted to force him to leave. They allowed him and his entire entourage to stay on. Alvin also described the incident when Vinogradov and other Soviet scientists failed to show up for a dinner date with me and other Americans.

He made the amusing observation that there was more rapport between U.S. and Soviet scientists working on the "pinch" approach to controlled thermonuclear fusion and between U.S. and Soviet scientists working on the "mirror" approach

At dinner meeting hosted by Union Carbide for staff and members of the Advisory Committee of the Oak Ridge National Laboratory Chemistry Division
October 7, 1958



L to R: Alvin Weinberg, GTS, G. D. O'Kelley and N. R. Johnson



L to R: G. E. Boyd, E. H. Taylor, Bryce Crawford, Jr., T. Harrison Davies, GTS, P. H. Emmett, and A. W. Weinberg

than there was between U.S. "pinch" and "mirror" approach groups. He suggested that there might be a cabal between U.S. and Soviet "mirror" scientists to advance that method at the expense of the "pinch" method. He said that the U.S. and Soviet approaches to the development of nuclear power are closer to each other than the U.S. and British approaches.

Weinberg called on me and I made some (hopefully) humorous remarks about my new duties as Chancellor at Berkeley.

Wednesday, October 8, 1958- Oak Ridge, Tennessee

Beginning at 9 a.m., I attended the continuing Information meeting of the Chemistry Division at Oak Ridge National Laboratory. I heard the following ten minute presentations:

G. M. Watson	Molten Fluorides in High Temperature Solvents
M. Blander	A Lattice Model for Reciprocal Salt Systems
G. W. Parker	Release of Fission Products from Reactor Fuels on Melting
W. L. Marshall	Phase Studies Related to Aqueous Reactor Fuels
H. F. McDuffie	Homogenous Catalysis of the H_2O_2 Reaction in Solution

I seized the opportunity of the 10:30 a.m. intermission to talk with Arnold Friedman (of Argonne) about Al Ghiorso's memorandum concerning the claim for the discovery of element 102- especially the two points which Al either misunderstood or was misinformed on: 1) elution position of 102 vs. 101 involving drops 7 and 8-- Arnold said one alpha counter had more Th (8.8 MeV) background than the other (They used two counters.) and this led to different corrections; 2) regarding the one pulse analysis count of Fm^{250} after 5 to 7 half-lives in the March experiment, they had earlier counts in drop 11 in the alpha counter (e.g., approximately fifteen counts in three minutes). Milstead had forgotten this. These seem to be consistent with a half-life of 30 minutes for Fm^{250}. Arnold referred to Jaffey's analysis with some confidence. However, on the whole, he seems to have lost confidence in the work and in fact inferred that it may be wrong. This is no tragedy, as he said, "even Fermi makes mistakes." Arnold also questioned the Berkeley work a little. He wanted to know how much Cf^{245} there was on the catcher foil containing Fm^{250}; I didn't recall exactly, but did tell him that there was not a serious amount of it. He also wanted to know if there were any 8.5 (more accurately described as 8.4) MeV counts at all seen. I told him not more than one, mixed with a few others in the 8-9 MeV region and this in the face of a large number of total pulse analysed events. Friedman also told me that he has been studying the stripping reactions at the Yale Hilac with some interesting results. I suggested that they might want to repeat their 102 work at Yale, but he said that they can't handle Cm there. I also mentioned the possibility of a joint renaming of 102 with the USSR group. Arnold seemed to think that this would be a fine gesture of international cooperation but he feels that they do not have a real case for the discovery. I also told him the possibility of joint Berkeley- USSR research on future elements and the idea of Al Ghiorso and me visiting Flerov's lab. I promised to send him a copy of Flerov's talk at Geneva.

I also talked briefly with Dave O'Kelley about his dissatisfactions with his job and status at ORNL. I gather that he would really like to get back to Berkeley or environs and promised to keep an eye open for job opportunities in the West for him. He is open to considering another position in a national laboratory or either an academic job or one in private industry.

After lunch, I met with George Parker who told me that they will process at ORNL three tons of Th, irradiated at SRP, to make 10 Kg U^{233} and to recover 2-3 grams of Pa^{231} within six months. The Thorex process used to recover U^{233} will be modified to recover Pa^{231}. Parker also said that he will send Burris Cunningham the 20 mg of Pm Burris has requested as soon as he (Parker) can get it back from the present users.

Chetham-Strode showed me a green or greenish-yellow solution of concentrated Am (III)-- which was pink in thin layers. He also showed me his and Greg Choppin's results of last summer on the distribution coefficients (Ks) of all the rare earth elements with Dowex-50 and 6N/HCl, where they found an interesting reversal around Pm and not around Gd.

About 1:30 p.m. the visiting committee members (Bryce Crawford, Clarence Larson, Paul Emmett, Harrison Davies and I) got together to outline our report to Alvin Weinberg (as Director of Oak Ridge).

I took a limo from Oak Ridge back to Knoxville where I caught Delta Flight No. 446 to Chicago at 5:05 p.m. I will be staying at the Palmer House in Chicago for the next two days in order to attend meetings of the American Council on Education, to visit Argonne National Laboratory and to deliver the Harkins Memorial Lecture at the University of Chicago. Given such a full schedule, I decided to go directly to the Palmer House to relax after my arrival in Chicago at around 7:30 p.m. this evening.

I had an interesting experience at about 10 p.m. after I had donned my pajamas and was about ready to retire for the night. There was a knock at my door and when I opened it, a rather worldly-looking woman, who appeared to be in her early 30's, inquired if I was Mr. Robinson. When I averred I was not Mr. Robinson, she purported to be nonplussed, quickly regained her composure, then blithely asked if she might step into my room to use the telephone. I fortunately had the presence of mind to deny her the privilege and quickly closed the door before she could gain entrance. In retrospect, I think it is likely that if she had come in, she would probably have let out screams of sufficient volume to summon rescuers who would have found me in a quite compromising situation, clad, as I was, in pajamas.

Thursday, October 9, 1958- Chicago

I spent the morning attending the meeting of the American Council on Education.

Joe Katz, Jim Hart and I met for lunch at the Palmer House after which Joe drove me out to Argonne National Laboratory for a visit. I spent from 2:30 p.m. until after 4 p.m. visiting with a number of old friends at ANL, among them, Winston Manning, Bob and Sue Vandenbosch, John Huizenga, Ellis Steinberg, Mel Friedman, Clark Hindman, Larry Magnusson and Arthur Jaffey.

I visited Building 350, the Plutonium Metallurgy Building, and was shown around the $4 million facility by Arthur Shucks who, I believe, is the director. The contractor expects to finish the building work by January 1959 and it should be ready for its first job by May 1959. It is very versatile, has many work lines, all except one in He atmosphere. We ought to keep this new facility in mind for future jobs. I also visited the Building 40 Hot Lab right after our (Rad Lab) Tom Parsons had left there from a visit with Paul Fields. I saw the anion column which the fellows there said contains transplutonium fractions from the neutron irradiated plutonium. Things are going well with their separation procedure; they should be finished by Saturday.

After the visit at Argonne, Joe and I drove to his apartment near the University of Chicago for a short visit with Sonia and their kids. We went from there to the Quadrangle Club where a dinner in my honor had been arranged before the Harkins Lecture.

The William Draper Harkins Lecture, sponsored by the Department of Chemistry of the University of Chicago, was held in Room 107 of the Kent Chemical Laboratory. Dr. Reese briefly described the history of the Harkins Lectures and William Harkins' career. After a flattering introduction by Tony Turkevich, I spoke on "Future Synthetic Elements".

The evening ended with a very pleasant reception at the Turkevichs' home. However, I was very surprised to learn from Jan Rydberg (who is visiting Argonne) about rumors in Sweden that I could have prevented the publication of their erroneous 102 work but actually encouraged it. I told Jan that the press conference had already been arranged when I arrived at the Nobel Institute for Physics in Stockholm last year and that I was told that it couldn't be called off because it was going to be held simultaneously in the three countries (Sweden, U.S. and England) and because the publication letter had already been mailed to Physical Review. He also said that we are being criticized because the Swedes feel that, as a matter of courtesy, we should have sent someone to Sweden as soon as we found out that we could not confirm their 102 work. I told him that Al Ghiorso went to Sweden, Harwell and Argonne last December, as soon as possible after the negative results in Berkeley. Rydberg is going to write Lars Gunnar Sillen in Sweden to set the record straight.

Friday, October 10, 1958- Chicago

The first event of the day's activities in connection with the American Council on Education was a talk at the Palmer House by Walter Stone of the Office of Education at 9:20 a.m. Stone's topic was Title VII of the National Defense Education Act of 1958. He explained that all bona fide educational institutions are invited to submit proposals for funding under the NDEA for research and experimentation with film strips, television, recordings, tapes, etc. for presenting academic subject matter. They are apparently very interested in economic efficiency. He also described Title III, which provides 50% matching funds for the acquisition of laboratory and other teaching equipment for science, mathematics and language education. Title VI covers 50% of the costs for establishing programs for teaching modern foreign languages. His talk was followed by an interesting presentation on the same general subject area by Harold B. Gores (President of the Educational Facilities Laboratory of the Ford Foundation).

During a break between the talks, I bumped into Franklin Dunham (chief of the television division of the Office of Education), who told me that they are in the process of appointing their Educational Television Advisory Committee. He expressed the hope that I would serve as a member of that committee and mentioned that he has already spoken with Ted Sherburne.

At 10 a.m. I heard Elton Hocking (Chairman of the Department of Modern Languages at Purdue University) describe the use they are making of electronic devices in teaching modern languages. He showed an excellent film which demonstrated how their technique works. It was very impressive. We certainly should do this at Berkeley.

After the American Council on Education luncheon in the Grand Ballroom at the Palmer House, Jim Hart and I took a taxi to the airport (Midway) to catch United Airlines Flight #723, departing Chicago at 2:50 p.m. and arriving in San Francisco at 6:25 p.m. A lab car met us at the airport and drove Jim to his home in Berkeley and me to Lafayette.

Saturday, October 11, 1958

Things were extremely busy around the house this morning because tomorrow is the day we are hosting our annual cocktail party at our home for about 350 people from UCRL and Livermore.

I did have a chance to begin looking through some of the papers piled up during my absence this week. A very nice letter from Elizabeth Green, niece of the McEnerneys, thanked me for sending her a copy of my remarks preceding the Alistair Cooke lecture and described the particular interest in theatre of Genevieve Green McEnerney. She suggested that the theatre, when it is finally built, might be named in honor of her aunt. I will refer the suggestion to the Building Names Subcommittee.

I also noted acceptance of an appointment to the National Academy of Sciences Committee on the Barnard Medal. The medal is awarded by Columbia University every five years for recognition of "discoveries in physical and astronomical science or novel application of science to purposes beneficial to the human race."

As I have come to expect, there were also several long memoranda from Alex Sherriffs. He summarized for me the results of the meeting of the Committee to Explore the Desirability of, and Possibilities for, Closer Liaison Between the ASUC and the Faculty in Regard to Athletics. In brief, they concluded that the Chancellor should be a party to sign all contracts with coaches, and should have the right to terminate such contracts at will. They also recommend that all contracts be reviewed by the Regents' General Counsel. In the case of the Director of Athletics, they recommend a procedure such as that which already exists: that the Chancellor, along with the ASUC, determine the appointment. Regarding joint appointments between the Department of Physical Education and the ASUC, the Committee believes that when it is mutually beneficial (i.e., P.E. has someone who would make a good coach and would be acceptable to them on a 100% time basis in the long run), such joint appointments might be worked out. However, they do not choose to make such arrangements part of their recommendations. On the whole, the Committee appears to be very careful about answering the concern of the Regents that

control be exercised in athletic affairs on this campus but they are also extremely sensitive to the student government's anxieties about possible interference in a domain which has traditionally been theirs.

Alex also forwarded copies of correspondence concluding the "Jackson Peters caper" with two memoranda describing some of the problems which have arisen out of the attention generated on the discrimination issue. The lead article in yesterday's Daily Cal described the status of a brief presented to the California Attorney General directed towards the outlawing of fraternities and sororities that practice discrimination. Alex reported that he was interviewed at length by a reporter from the Daily Cal about the University's policy toward fraternities and the administration's reaction to the above-mentioned brief. According to Alex, it was a "very ticklish" interview. He tried to cover a great deal of ground in discussing the history of the University's recognition of fraternities, current efforts by local Greek groups to change national policy, and the work of the Fraternity Affairs Advisory Board and of the Discrimination Committee. The reporter challenged Alex by quoting a NAACP official's statement to him (the reporter) that "high University officials are prejudiced and see to it that there is discrimination." Alex hopes that he managed to reassure the reporter that this is not the case. He expressed concern that the statement may have originated with Franklin Williams of the San Francisco NAACP and added a postscript that he understands that Williams called Kerr's office to "apologize for the article."

Alex also postponed an interview with a reporter from the Cal Reporter on the same subject. He remarked, "This cookie was hostile and represented antagonism to authority at its worse." It does seem clear that the issue of discrimination by fraternities is going to be taken up as a cause. It is extremely unfortunate that crosses were burned last week on the Phi Delt and Phi G houses' lawns. Alex notified me that the Discrimination Committee has been reconstituted and will be meeting in the immediate future. Serving on the committee will be Bob Cockrell (Forestry Department and Graduate Division), David Louisell (Law), David Blackwell (Statistics) and Bill Fretter. Alex concludes, "This committee will give us time to breathe between crises but its recommendations may themselves bring on some new crisis!"

Helen and I watched Cal triumph over Utah at our Memorial Stadium; the score was 36-21. The game was marred by the rather disgraceful behavior of students in our rooting section- the throwing of various objects, use of obscene language, etc.

Sunday, October 12, 1958

The huge cocktail party planned for this afternoon consumed most of the day. In the morning I did have a few moments free to read more of the materials sent from the Chancellor's Office to Lafayette. In reviewing last week's issues of the Daily Cal, I was pleased to note the strength of Bill Stricklin's response to Al Madian's accusation that students were not consulted about the student union fee. Stricklin's statement clearly outlined the history of the financing of the student union building and the student commitment to the project.

Monday's paper also carried the news that Madian has been elected chairman of SLATE. The article reported that at the meeting of the General Assembly of

SLATE, time did not allow Madian to present his proposal regarding the lowering of the student union fee as a part of his platform. He did, however, have the opportunity to throw out several other issues for which he apparently received the support of his "party". Among them were the Sather Gate question, the need for a "Student Bill of Rights" (particularly freedom of speech and assembly), control of student government by students (elimination of non-student votes) and opposition to discrimination. Madian was quoted as saying,

> "Instead of sitting on a major problem the ASUC should be made to refuse to recognize organizations in which there exists discrimination in race, color and creed."

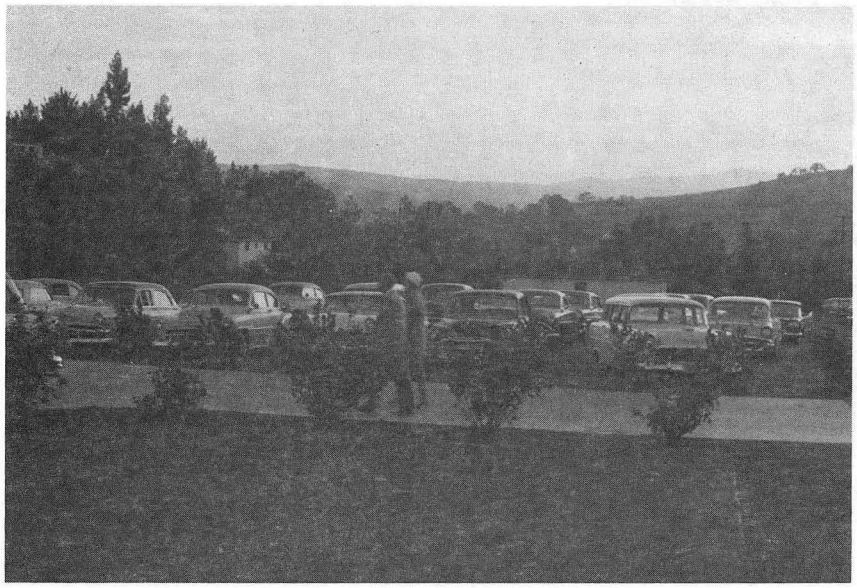
The Daily Cal editorial of October 6th asserted:

> "To maintain a strong student government, we argue, that government must be on a firm financial base. The Madian proposal would weaken that base, perhaps to the destruction of student government... We find it hard to reconcile a SLATE demand for more action on the part of the ASUC in student housing, working conditions, discrimination, promotion of student forums, presentation of speakers, etc., and a call on the part of the SLATE chairman to seriously limit any fulfillment of these demands by denying the finances necessary for such fulfillment."

The cocktail party began at 3 p.m. Approximately 340 people accepted the invitation to our home; these included UCRL Chemistry Division staff, Livermore Chemistry Division staff (with the exception of the health chemists), graduate students and Chancellor's Office staff and their spouses. The party overflowed into our patio which is open-ended in its extension toward the back of our lot. Cars were parking on our neighboring field (two empty lots) which was completely filled. Students furnished by the Chancellor's Office took charge of preparing and distributing the drinks, consisting of martinis and manhattans in tall containers as well as other alcoholic drinks (by request) and a wide assortment of soft drinks. Herman Robinson took a number of still pictures and I took several rolls of movie film. Some guests stayed as late as 7 p.m. and Stan and Alice Thompson and a few others remained to have a bite to eat with Helen and me and our kids.

COCKTAIL PARTY AT HOME, October 12, 1958

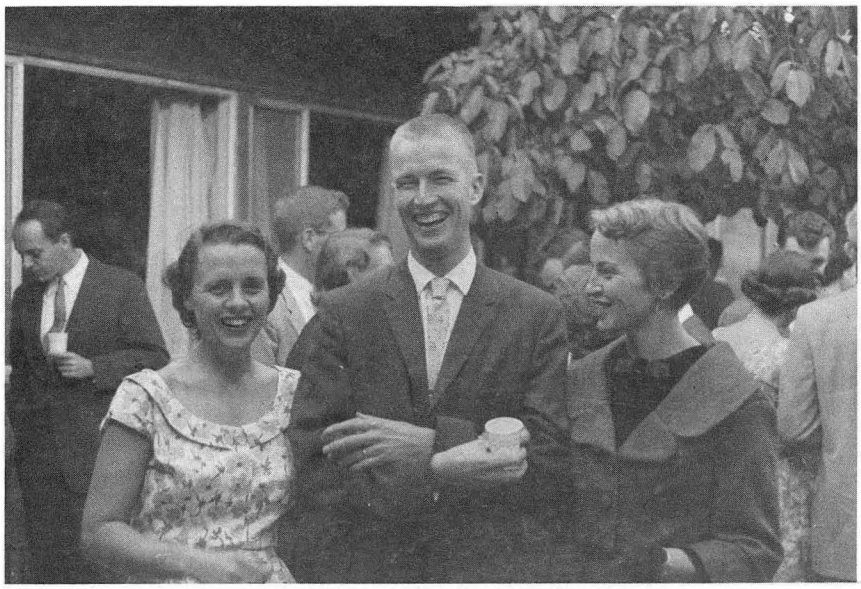
Party Scene in Patio



Playing Field Becomes Parking Lot

L to R: Bill Nierenberg, Helen Seaborg, Charles Tobias, GTS, Virginia Shirley

L to R: Kitty Malloy, unknown, Anna Carol Dudley, GTS, Margot Carlson, Stan Thompson



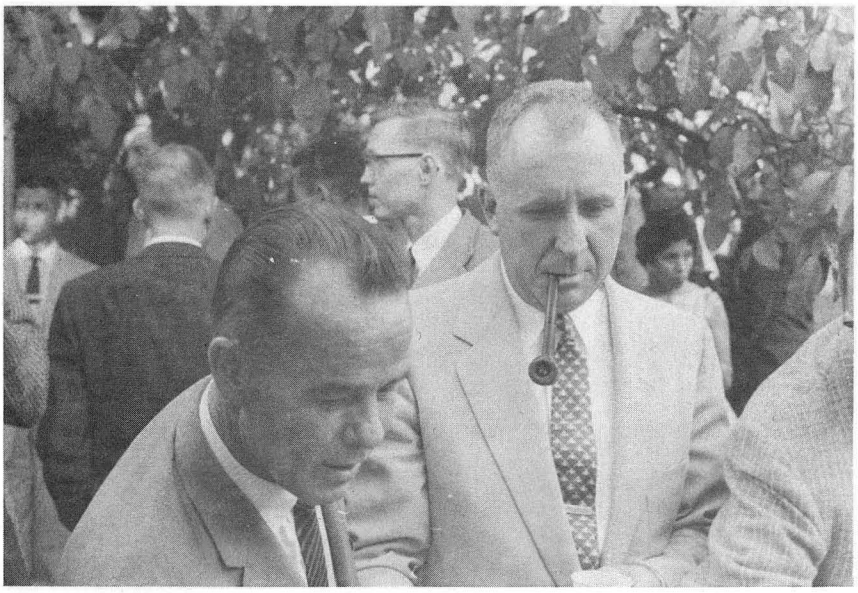
L to R: Louise and John Rasmussen, Marian Diamond

L to R: Helena Ruben, Helen Seaborg, David and Lilo Templeton, GTS

L to R: Charles Tobias, William and Dorothy Powell

Manfred and Bernice Lindner

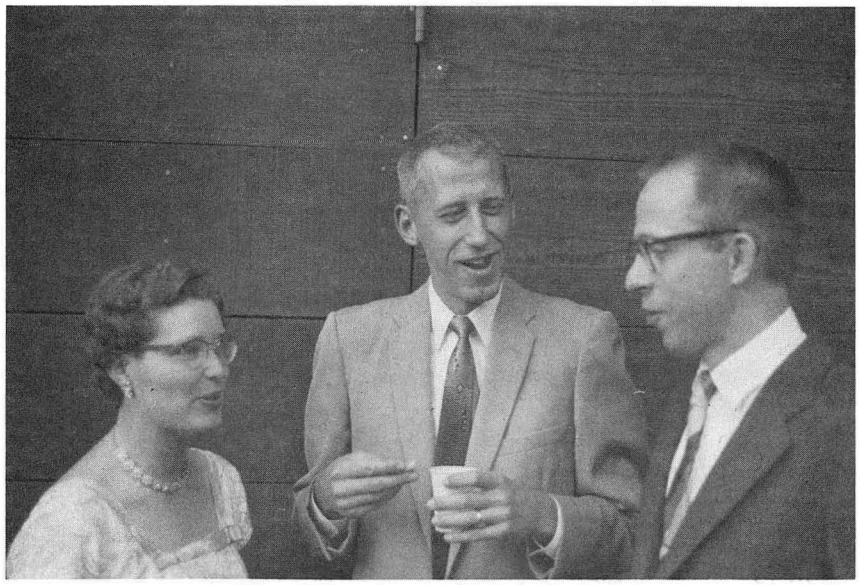
Facing camera, L to R: Sam Markowitz and David Shirley



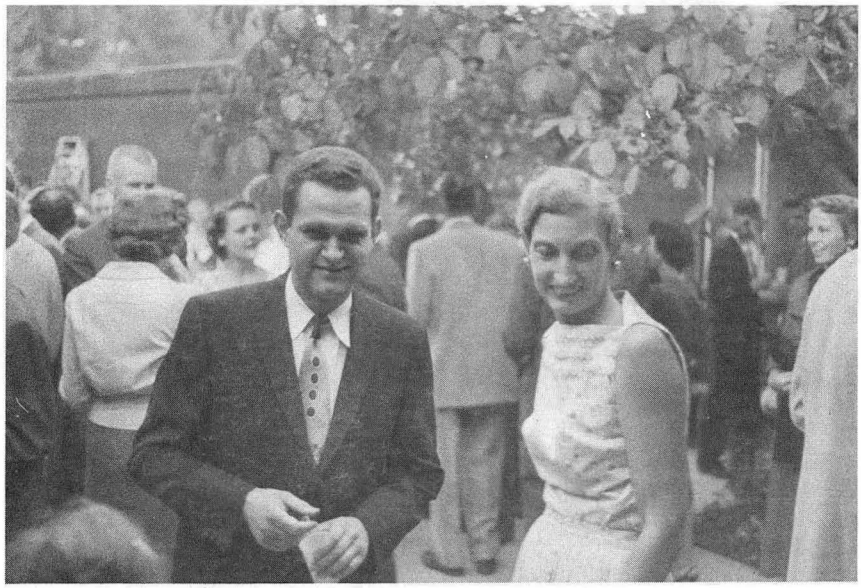
L to R: Stan Thompson and Amos Newton

Jane and Ken Street

Natalie and George Barton

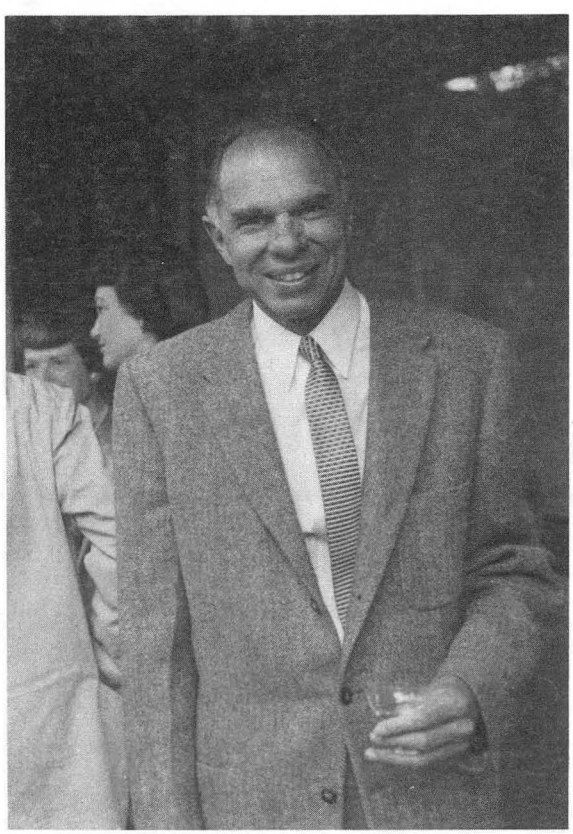


L to R: Jean Hyde, Ralph McLaughlin, and Stuart Gunn

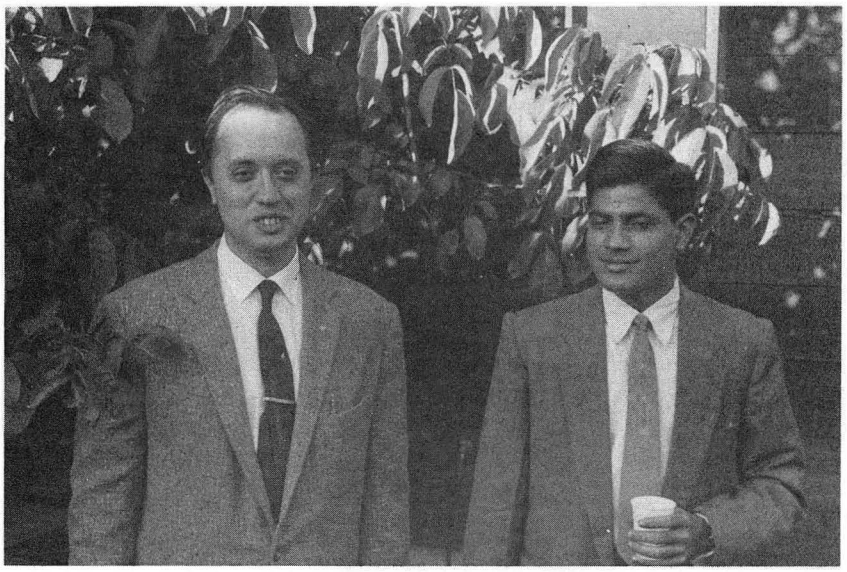


Lester Winsberg and Helen Seaborg

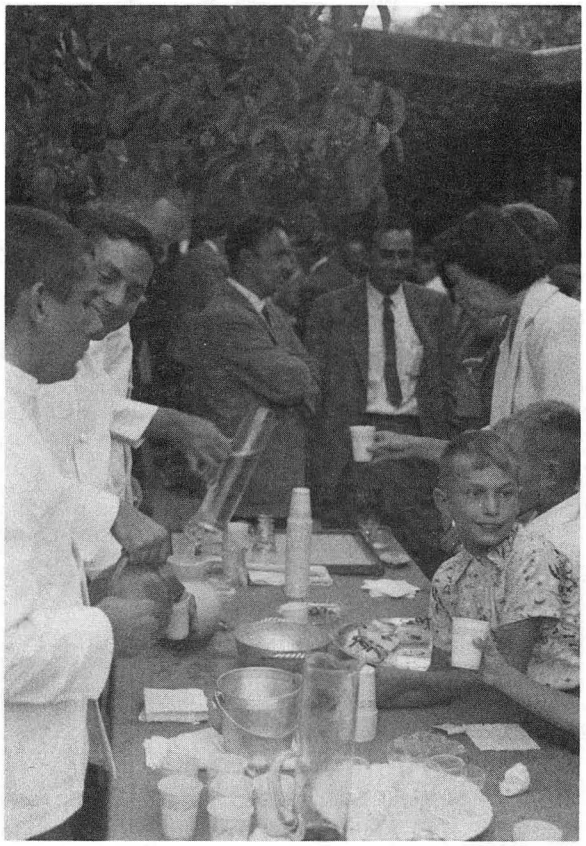
Roger Batzel



GTS



L to R: Frank Asaro and Vishnibhotla Subrahmanyam



Sorry, Kids, No Martinis or Manhattans
David (belly up to the bar) with Steve behind him

Monday, October 13, 1958

I arrived at my Dwinelle Hall office early this morning in the hope of catching up on what has been going on in my absence. A review of the minutes of the Chancellor's Cabinet meeting held during my absence on Tuesday showed that considerable time was devoted to the discussion of the pros and cons of developing an All-University academic plan. The staff concluded that they would like to express the agreement of this office with the list of topics presented by the President's Office with the suggestion that it would be useful to list the major problem areas (i.e., the development of libraries). Of particular interest was the reading of a letter from President Kerr changing section b (8) of Rule 17 on a temporary or trial basis until January 1st so that state candidates for office may speak on the campus. The staff decided to ask Dan Wilkes to prepare a press release for the Daily Cal noting the change and at the same time encouraging students to present partisan positions simultaneously when possible. The news was published under the headline "Seaborg tells of temporary suspension of regulation 17" on Wednesday, October 8th.

A memorandum from Errol Mauchlan summarizes the provisions of the five Titles of the National Defense Education Act of 1958 which are applicable to our campus:

> Title II provides low interest loans to students (up to $1,000 each year per student at 3%) with a special provision that up to 50% of any loan shall be cancelled for service as a full-time teacher in a public elementary or secondary school at the rate of 10% per complete academic year of such service.
>
> Title IV provides graduate fellowships with preference given to persons interested in teaching in institutions of higher education.
>
> Title V authorizes contracts with institutions of higher education for the operation of institutes for training to improve the qualifications of secondary school counselors.
>
> Title VI provides $8 million annually for four years to establish institutes for teaching modern foreign languages. (However, the institution must match federal funds.)
>
> Title VII concerns funds for research and experimentation in more effective use of TV, radio, motion pictures and related media for educational purposes.

Errol made special note of the stipulation that all contracts and grants must be approved by an Advisory Committee on New Educational Media established by the Act. This is the committee about which I was approached in Chicago. It is clear to me that the NDEA Act provides us at the University many opportunities for financing the development of new educational tools as well as providing considerable financial aid to students.

I signed a memo to Clark Kerr regarding the resolution forwarded by Bill Stricklin concerning the request that the Sather Gate tradition be maintained. I remarked,

"It seems clear to me that such use of Regents' facilities as are indicated in this resolution, involves statewide policy and would require regential action. I would appreciate your advice on this matter."

I also read an interesting memorandum from Maribel Montgomery outlining the history of the question of compulsory ROTC (in preparation for a discussion on the Regents' agenda for October 15th). Military science training has been required for all physically fit lower division males at the University since 1919. However, recently there has been considerable opposition to this requirement. In 1956 so much student opinion was generated over the ROTC question that the male students were asked to vote on a resolution to request that the Regents make ROTC voluntary. The results of this regular ASUC election in December 1956 were 1591 to 715 in favor of changing the requirement. An opinion prepared by the General Counsel for the Regents Tom Cunningham for distribution confidentially to members of the Regents' Educational Policy Committee only on January 9, 1958 states,

"It is my opinion that you have the power lawfully either to do away altogether with the compulsory nature of the present requirement or, in the alternative, to reduce the mandatory aspect of the program from two years to one year."

Maribel's notes indicate that Clark Kerr referred this question to the President's Office when he was Chancellor.

At 11 a.m. I went up the Hill to the Rad Lab to meet with Louis DeMonte, Bill Wurster, John Rasmussen and Bob West about the location of the new cyclotron. Before going on to the regular Monday noon meeting of the Chemistry group in my (now Perlman's) office, I placed a call to Ray Allen at UCLA to finalize plans for our presentation regarding educational television to the Regents on Thursday evening. After the meeting of the Chemistry group, I talked with a number of people on the Hill before returning to the campus.

At 2 p.m. I met with Charles Dalziel (Electrical Engineering Department) to discuss the work of the Disaster Preparedness Committee for which he serves as Chairman. He gave me a list of the wardens and said that he thinks the manual of disaster organizations issued in March 1958 should come out annually because of the changes in telephone numbers. Dalziel pointed out that disaster preparedness is not only a matter of the H-bomb threat but also covers fire, earthquakes and threats of explosions (like bomb threats). He showed me a list of the kinds of crises to which they have responded in the last year. Of real concern is the result of a siren test they conducted which demonstrated that only about 15% of the campus is currently alerted by siren. He suggests the installation of three more sirens--one on the Life Sciences Building, one on the new Anthropology-Art Building and one on the Engineering Building. I promised to look into the matter further.

I signed a nomination form for a senior postdoctoral fellowship with the National Science Foundation for Manny Lindner. He proposes to study the nature of, and the equilibria established between, the complex ions of tantalum in aqueous fluoride solution, by techniques involving electromotive-force measurements, solvent extraction and ion exchange equilibria.

I also read a very long memo from Errol Mauchlan regarding the furor raised by a research project conducted by field investigator Henry P. Anderson through our School of Public Health. The project, supported by the National Institute of Public Health, is entitled "A Study of the Health Attitudes and Practices of Mexican Braceros". Apparently Anderson's observations of the conditions of the Mexican "wetbacks" under the foreign labor program has aroused his indignation so much that he has launched a personal crusade on their behalf. Anderson prepared a written statement for a private group (Mauchlan thinks, a group of Quakers) which disclosed general exploitation of braceros under the program in California, on the part both of employers and of officials of the various federal and state agencies responsible for its administration. The statement instances numerous typical examples of noncompliance with laws, contracts and regulations governing the program in respect to such matters as recruitment, employment (including wages), accommodations, medical care, etc., and

> "alleges widespread dishonesty among employers and corruption among the public officials involved. If valid, it adds up to a damaging indictment of all the interests involved in the program in California."

Mauchlan goes on to make our dilemma clear:

> "Anderson's paper has so incensed opinion among local growers in southwest California that the matter is not being allowed to rest... an important group of growers are threatening to have the matter raised both with the Congress and the California State Legislature. Re the former, the occasion is supposed to be the next appropriation bill for the foreign labor program; re the latter it will be the Legislature's consideration of the University's budget."

The deputy regional director of the Bureau of Employment Security, Department of Labor, San Francisco, is asking that the University demand that Anderson produce evidence in defense of his allegations or retract them. If he fails to do so, they want the University to dismiss him. The issue is really whether the University has responsibility for Anderson's actions as a private citizen. In the offending statement, Anderson states that his opinions are personal but also refers to their sources as the University-sponsored study. As Mauchlan says,

> "It would be difficult to impugn Anderson's professional competence since we have authorized him to continue on the project to analyze the available data and are on record to the effect that the professional results of the affair cannot be judged until the analysis is completed."

It is very clear that to enforce a retraction, with the alternative of dismissal, would open up a whole new field of concern related to individual rights of freedom of thought and action. Mauchlan is fairly certain that this matter will be presented to the Regents soon. I guess our best hope is that it will not be in the growers' interest to bring more attention to Anderson's allegations.

Beginning at 4 p.m. I attended a meeting of the University Affairs Committee in the Chancellor's Conference Room. Present were: Bill Stricklin, Sue Trees, Dan Lubbock, Jim Yenckel, Hurford Stone, Bill Shepard, Jo Anne Fowler, Bob Kerley, Susan Dunlap, Alex Sherriffs, Arleigh Williams, Rudy Montejano, George Link and Dick Erickson. The University Affairs Committee is not an action

committee but a "thinking committee"; its purpose is the consideration of issues of importance to the University community and recommendations to the Chancellor. I told the group that in the future Alex Sherriffs will represent me at most of the meetings.

Most of today's meeting was devoted to discussion of the disgraceful conduct of the Cal rooting section at Saturday's game with Utah. (Students threw apples and eggs, hitting one woman in an iron lung. There was also a great deal of obscene language and gestures. The police say that it was the worst conduct ever at a Cal game.) After a lot of discussion of the history of the rooting section, the shabby card stunts at the games, beer-drinking spectacles on Fraternity Row, etc., we talked about ways of communicating to the students the need to "clean up their act". It was decided that instructors should talk to the students about the problem, that the Daily Cal should feature a discussion of the behavior of the rooting section and that it might be useful to provide yell leaders with leadership training in the hope that they might get more positive cooperation from the students.

We also talked briefly about the results of the parking survey now being conducted and about student feeling that parking is being provided only for faculty and administration without concern for student parking needs. The meeting adjourned at 5:30 p.m. with general agreement that at their next meeting, the committee will talk about the Sather Gate problem and the issue of discrimination by fraternities.

Helen and I were invited for cocktails this evening at 6:45 p.m. at the home of John and Amy Lawrence in Orinda in honor of Professor and Mrs. Vladimir A. Engelhardt who are visiting from Russia. He is a world famous biologist. Over cocktails, I talked with Engelhardt about the importance of Al Ghiorso's invitation to visit Russia in December and explained to him the circumstances regarding the naming of 102. He is returning to Russia early next month and will do what he can to expedite Al's invitation. I encouraged and helped him to take notes on our conversation. We then all went out to dinner at Trader Vic's in Oakland.

Tuesday, October 14, 1958

Arriving early at the Chancellor's Office, I took advantage of the opportunity to read some of the incoming correspondence. Paul Andrews of Prentice Hall responded to my letter of October 3rd concerning the Hyde-Perlman-Seaborg book, requesting that they grant the government the "right to reproduce the material royalty free". Mr. Andrews remarked that publishers "guard with their lives the sanctity of copyright" and reminded me of the usual procedures for requesting permission to reprint copyrighted material. I asked that copies of his letter be sent to W. D. Douglas, Iz Perlman and Earl Hyde. The response, although altogether reasonable, certainly does not help to solve the policy problem at the Laboratory.

I also read a memo from Ray Bressler (Chairman of the Budget Committee), outlining agreed-upon procedures for determining special merit increases approved by the Regents to be retroactive to July 1958. This increase will be available to approximately 15% of all staff members in the ranks of Professor and Associate Professor. This will require careful scrutiny of the performance of more than 700 faculty members. The procedures outlined by the Budget Committee appear both reasonable and reasonably expedient. Bressler is asking our office to request immediate information from all departments on which to base the selection of those eligible for the special increase.

At 10 a.m. I met with Hardin Jones in my office to discuss the proposed Institute of Human Development. Jones told me that John Lawrence has agreed to this use of Jones' time (although perhaps not enthusiastically). The institute is designed so that members will work out of their own departments; thus, at the moment there is no space problem. They expect to depend heavily on the involvement of graduate students. Regarding funding of the institute, Jones has talked with Halsey Hunt of the Public Health Service and says that there is some possibility of support in the neighborhood of $1 million. Hunt will visit here within the month and Jones is in the process of preparing a plan for his consideration. I mentioned that I would like to review the plan before it is presented to Hunt. There has been some talk with Surgeon General Burney about some financial support.

At 10:45 a.m. I met with Lincoln Constance and George Foster (Chairman of Anthropology) in my office to talk about the status of George A. Pettitt in relationship to the Department of Anthropology. Pettitt was formerly assistant to President Sproul and was appointed Lecturer in Anthropology in 1941 at Sproul's request to teach one course. Until 1951 he performed this service without salary; since 1951, he has been listed as .10 FTE at $1,044. Pettitt has not gained any academic tenure during the 17 years of his attachment to Anthropology and he has never had the privilege of a faculty review (which it seems most unlikely he could pass). For these reasons Anthropology feels that "dumping" Pettitt on them is no solution to any problem of "moral tenure" that Pettitt may be assumed to possess as a consequence of his more than 30 years of service to the Berkeley campus. I will report the departmental and College position to President Kerr.

After George Foster left, Lincoln Constance and I continued our weekly meeting to discuss a number of other matters of concern to the College of Letters and Sciences, including: transfer procedures between campuses (arising out of the urgent need for people to teach Physiology on this campus after the transfer of much of the staff to the new Physiology Department at the San Francisco School Medicine), the financing of an electron microscope as a minor capital improvement for 1959-60 and provision for an Assistant Research Biophysicist for the new communal Electron Microscope Laboratory, and appointments to the committee to make nominations to fill the Chair of Italian Culture. We also discussed the apparent understanding given by the Chairman of the Committee on Committees that some faculty members undertaking service as chairmen of important Senate committees will be released from one-third of their teaching commitments, with remuneration to their departments for their lost service. I will discuss this commitment (which does not seem to have been recorded) with President Kerr and also determine the source of funds.

At 12:15 p.m. I introduced Alan Barth for the first of the Noon Lecture Series at 155 Dwinelle Hall. Barth, on leave from the Washington Post, is Visiting Research Professor of Governmental Affairs (sponsored by the Ford Foundation) and spoke on "The Warren Court and the Bill of Rights".

Unfortunately, time did not allow me to stay to hear his lecture. I returned immediately to the Chancellor's Conference Room for the regular Tuesday noon meeting of my staff. Present were: Milt Chernin, Bill Fretter, Kitty Malloy, Errol Mauchlan, Alex Sherriffs and Ed Strong. Most of the meeting was spent discussing the National Defense Education Act of 1958 and how we might best participate in its various programs. We need to work out ways of raising the matching funds for such valuable projects as the language laboratories.

I went to a meeting with Clark Kerr in his office at University Hall armed with a list of 35 issues I wished to discuss with him. As we had only a little over an hour to talk, we had to run through the list rather quickly. (In any case, it was mostly a case of having to agree to the resolution of these issues as Kerr and I were both well-acquainted with the background.)

We discussed the ASUC resolution that Sather Gate be re-established as an "island" for off-campus speakers. The President will rule against this resolution. It will not go to the Regents. I am to investigate if the City of Berkeley could take back 20 feet north of Bancroft Avenue; this might provide the solution by allowing more space at the edge of the campus.

I asked Clark about the suggestion that University staff should be allowed to take University Extension classes without paying the fee; he feels strongly that "staff cannot go free".

We also conferred about the complaint against Henry Anderson (who wrote the study on the treatment of braceros in El Centro); we are agreed that Anderson should not be fired for his activities.

Clark also agreed that the High Altitude Research Laboratory should be a part of the Berkeley campus rather than under Statewide Administration.

In regard to the permanent location of the Chancellor's Office, I pointed out to Clark that if the office is to move to and remain in Sproul Hall on a permanent basis, it has been indicated that the ventilation and lighting need complete overhauling. He said that would be okay "if you can do it without money". I responded by suggesting the possibility that we might remain in Dwinelle Hall; he did not react unfavorably to that suggestion.

We talked about many other matters, appointments to committees, funding for various projects and activities, the search for a new Dean for the College of Engineering, speakers for Regents Meetings, etc. We decided that it would be valuable for me to meet with Herm Weiner to try to determine what has really been going on in Southern Seas recruiting activities. We are also going to take Dan Wilkes up on his offer to arrange a meeting with the Chronicle editors, the Newhalls, to try to improve the image of California athletics.

At 3:30 p.m. I was interviewed by G. B. Lal, a science writer from the Hearst papers, who asked me about the history of the transuranium element research, the philosophy behind this research and possible impact on the world. He is writing a series of articles on this field.

I went to the meeting of the Berkeley Division of the Academic Senate in Room 155 Dwinelle Hall at 4:10 p.m.

At 7:30 p.m. I attended the regular Tuesday evening meeting of the Chemistry Research Conference in Room 100 of Lewis Hall. After the meeting, Ken Pitzer and I had a chance to talk briefly. He mentioned the advantages of having the Nuclear Engineering Department connected with, or under, the Chemical Engineering Department and suggested Larry Marshall as someone to consider for Dean of the College of Engineering.

Wednesday, October 15, 1958- Berkeley- Davis

I went directly to the Rad Lab this morning to attend a meeting of the Associate Directors there. As the meeting was cancelled at the last moment, I had the opportunity to talk with several people up on the Hill about what has been going on there. I also took care of some business, including having my fingerprints taken at the North Gate for security reasons.

At about 9:30 a.m. I borrowed Iz Perlman's office to confer with Dick Lessler about the publication of his thesis results. I told him that 1)Np^{240} and Np^{241} results and 2) d,α results can be published as articles in the Journal of Inorganic and Nuclear Chemistry after more experimental work has been done. The spallation-fission results need a truly good idea and advances in order to be published in Physical Review- and I expressed the opinion that this is doubtful.

Just after 10 a.m. I went down to my office on campus and spent a few minutes dictating some correspondence to Anna Carol. At 11 a.m. Ray Allen, Brad Booth, Frank Kidner and I met with Tom Cunningham (Regents General Counsel) in his office at Sproul Hall. We discussed the report we will make to Clark Kerr in response to his request for suggestions regarding athletics for the Regents following the Dickerson affair. The large council created by Kerr (Intercollegiate Athletic Advisory Council) will probably have this group as an Executive Committee. We talked about the possibility of having an adjudication officer to hear evidence in future cases like the Weiner-Southern Seas case.

At 11:45 a.m. I walked over to the Morrison Room of the Central Library to greet Prince Sihanouk, Prime Minister of Cambodia, and his party, which included his wife and daughter, Nong Kimny (Cambodian Ambassador to the United States), Foc Thieun (Minister from the Cambodian Embassy in Paris) and several Cambodian aides and secretaries as well as U.S. State Department security officials. After a brief reception at which the University was represented by me, Jim Hart and his wife Ruth, Arleigh Williams, Bill Stricklin and Sue Trees, we all walked over to Wheeler Auditorium for a dance performance by several members of the Royal Cambodian Ballet which I enjoyed very much. I later accompanied the Cambodian party to the International House where luncheon was served in the Sproul Room.

From 2 p.m. until 3 p.m. Alex Sherriffs and I held an open Student Office Hour in my office in Dwinelle Hall. Four students visited. I always enjoy these opportunities for casual conversation with the students.

Unfortunately, I was interrupted several times by telephone calls. Douglas Cornell (Executive Officer of the National Academy of Sciences) called to ask if I would serve as Chairman of the Barnard Award Committee because former Chairman Jack Kirkwood is ill. I accepted.

Ken Pitzer also called to consult with me about adequate support for Bill Giauque's program. I suggested that we should talk with the National Science Foundation about this. Ken also told me that he has been invited to join the General Advisory Committee of the Atomic Energy Commission; I advised him to accept the appointment.

At 4 p.m. Ray Allen and I left Berkeley in a University car to drive to Davis for the Regents Meeting. The meeting of the Council of Chief Campus Officers,

presided over by President Kerr, began with dinner in the Oak Room of the Memorial Union at 6:30 p.m. and continued after dinner until almost 11 p.m. We discussed the administration of the special merit increases approved by the Regents retroactive to July 1958 as well as the review of deans who have served seven or more years. We have three years to go through the deans in this category, starting with those with the longest service. If a chief campus officer wishes to terminate a dean (after the five to seven year period), no review by committee is necessary.

It was decided that the Council of Chief Campus Officers will work each month on the Academic Plan for the whole University. A statewide Academic Senate group is being set up to consult on the Plan; it will probably be composed of chairmen of campus Educational Policy Committees. Next month we will discuss the number, size and composition of the various campuses as well as campus individuality.

We concluded our meeting with consideration of the NDEA Act. Kerr expressed the opinion that requests should be coordinated and one request submitted for the whole University. The University staff in Washington, D.C. is preparing information on how to proceed with requests. Elmer Noble of Santa Barbara raised the question of whether or not we might wish to coordinate with state colleges; the consensus of opinion was that we should not. Ray Allen committed himself to drafting a statement of the University of California interest and a proposal of an administrative setup to handle NDEA requests. We all agreed that it would be to our advantage to have one man in Washington coordinating our requests; it's clear that that person should have considerable prestige and be very familiar with the ins and outs of the federal government.

I will be staying at the El Rancho Motel in West Sacramento for the next couple of nights.

Thursday, October 16, 1958- Davis

The Regents Meeting at Davis will continue for the next two days. At 10:30 a.m. I attended the meeting of the Committee on Educational Policy in the Home Economics Building at the Davis campus. Clark Kerr presented a report on the National Merit Scholarship winners, calling particular attention to the fact that of the 73 from California, 65 chose to attend private institutions. He pointed out since these students include the very ablest in California, the report shows that the University of California is not drawing its share of these students.

He also drew attention to the article in the New York Times on educational television (September 21, 1958) which called Harvey White's physics program "the most significant ever done in American television". He mentioned the informal discussion on educational television which Harvey, Ted Sherburne, Jan Popper of UCLA and I will lead.

The rest of the meeting was dedicated to a discussion of the outline of topics to be included in th Statewide Academic Plan. Kerr introduced the first topic of conversation, "Number, size and composition of campuses- campus individuality", noting the need for such a plan as a basis for physical and financial planning. We talked about the problem of how the University will handle 100,000 students by 1970. (In our meeting of CCO's last night, we

agreed that we will have to accept that figure, based on the assumption that the University through administrative policy will continue to make eligible to the University of California the same percentage of high school students as are now eligible, 10-12%.) We estimated enrollment at each of the campuses by 1970 as follows:

Berkeley	35,000
Santa Barbara	10,000
Riverside	5,000
Davis	5,000
La Jolla	5,000
Los Angeles	30,000
San Francisco	5,000

and 2,500 each at the two new campuses proposed for East Los Angeles- Orange County and the South Central Coast. President Kerr stated that the present planning is directed toward having on each campus a student population made up one-half from the local area and one-half from other areas of the state, so that each campus would be "all-State", which would be a distinguishing feature from the state colleges. He then called on each Chief Campus Officer to discuss the projected maximum enrollment figure for his campus in light of the local situation. I learned a great deal from listening to the concerns of the other CCO's.

When my turn came, I noted that the first estimate of enrollment for the Berkeley campus in 1970 was 25,000 students and was later revised to 35,000--which causes some faculty uneasiness. However, I remarked that the inevitability of the increase is recognized and the building program now includes alternative figures providing for facilities for 30,000-35,000 students. I mentioned that I think the acquisition of land (both to the north and to the south of the campus) is feasible and that our relations with the City of Berkeley are satisfactory. In response to an inquiry from Ed Carter, I stated that 25-30% of the students on the Berkeley campus are graduate students and the proportion of Upper Division and Lower Division is about equal, with approximately one-half of the undergraduate students entering Berkeley with advanced standing. I observed that an important consideration is the feeling among faculty members that too much attention is being given to land acquisition and not enough to academic aspects. Of particular concern is the issue of faculty salaries; I suggested that this ought to be a topic of conversation for inclusion in the Statewide Academic Plan, also.

After lunch in the Hughes Hall lounge, I attended a meeting of the Committee on Grounds and Buildings in the same room as this morning's meeting. Much of the meeting was devoted to discussion of minor capital improvements for the Los Angeles campus. Of special interest to me were three recommendations to the Full Board of Regents regarding the Radiation Laboratory: 1) approved construction of an addition to the Chemistry Building as a southward extension of the existing building, 2) approved preliminary plans for an addition to the cafeteria and authorized the preparation of working drawings and solicitation of bids, and 3) approved the location of the new 88-Inch Cyclotron at Coordinates 800 North and 1100 East, which locates it just west of the Gate House.

At 5 p.m. Harvey White, Ted Sherburne, Jan Popper and I got together for a few minutes to run through our plans for our presentation on educational television. After dinner in the Oak Room of the Memorial Union, we made our presentation. I made a strong pitch for the use of television in our university system in order to amplify the effect of our best teachers and I was supported in this by a number of Regents, especially Ed Pauley.

After the presentation I spoke with Ray Allen and Jan Popper about the idea of beginning an exchange between UCLA and Berkeley of such cultural events as Opera (UCLA) and Chamber Music (Berkeley Griller Quartet). We should contact Gustave Arlt (Chairman of the UCLA Committee of Fine Arts Productions).

Friday, October 17, 1958- Davis- Los Angeles

Before the first of the Regents committee meetings began this morning, I had a chance to speak briefly with Clark Kerr and Ray Allen. We talked about the urgency of faculty salary increases (in order to remain competitive) and decided to request that this be put on the agenda for the November CCCO meeting. We discussed the question of whether we could offer a truly exceptional young man a salary above those of his colleagues in order to recruit him. Clark was very skeptical about this; he said he would want to discuss it further and that he might approve it if both the department involved and the related departments approved.

We also threw out the possibility of UCLA playing Texas Christian in 1961. TCU is not on the agreed-upon list of academically acceptable opponents in football. Kerr approved this on the premise that Berkeley may also have non-list opponents in '61 and '62. (I will check on this and let Allen know within a week.)

Clark and I also agreed that I may tell Mike O'Brien frankly about his status (termination as Dean) at the College of Engineering when we meet next week.

The meeting of the Finance Committee began at 10 a.m. in the Home Economics Building at Davis. A contingency fund was approved for UCRL Director McMillan and the question of parking charges on the campuses was deferred until next month. There followed a long discussion of the change in the way the federal government calculates reimbursement for overhead costs under federal contracts. This apparently could cause the University rather serious problems. The Committee decided to recommend to the Full Board of Regents that the President of the University be directed to advise the President and the Vice President of the United States and all heads of all government agencies with which the University has research relationships that the Regents of the University of California have considered the effect of implementation of Executive Order 21 dealing with indirect cost determination on contracts and grants, and do not understand how it is possible to respond to the requirements of this order, and further do not understand why the federal government took unilateral action in the issuance of the order in the light of continuing and general opposition from colleges and universities affected by the order; and further that copies of this action be directed to appropriate colleges and universities.

At lunch in the Hughes Hall lounge, I talked, as Kerr had asked me to do, with Stan McCaffrey about alumni recruiting practices for athletes. He said he has

talked with Don Blessing and Wally Haas, Jr. and that they had both indicated that they fear that recruiting rules are being broken by UC alumni, without being specific. Blessing did mention that an alumnus had paid an athlete's expenses to visit Notre Dame ($400 to show him how bad the place is!) Engelhard and Kidner should look into this.

The executive session of the Full Board of Regents at 2 p.m. approved all of the recommendations I have noted in reporting the committee meetings of the past two days. The approval of the project and the site for the high current cyclotron was made in executive session in order that a special press announcement might be made. It was suggested that the release ought to point out that this is the replacement of the 60-Inch Cyclotron and its role in the discovery of synthetic elements. We will also want to highlight the special circumstances of the authorizing bill of Congress that made possible the funding for the construction of this new cyclotron by the Atomic Energy Commission. My testimony last February led to both this new cyclotron and the addition to the Nuclear Chemistry Building.

My United Airlines Flight #696 departed Sacramento 15 minutes late at 6:30 p.m. Enroute to Los Angeles I sat next to Regent Catherine Hearst and talked with her about the idea of a cultural exchange between the Berkeley and Los Angeles campuses. I raised the question of Hearst support for an opera again next fall. This may be possible but she would like to see all of the planning details (i.e., the handling of tickets, etc.--she feels that a nominal charge like $1 would be suitable) at least six months in advance. She also mentioned that she feels that private industry (i.e., the San Francisco and Los Angeles Examiner newspapers) might contribute large blocks of tickets to students and that students might be transported from LA to Berkeley courtesy of United Airlines. She said that she would be glad to discuss this further with Jim Hart.

Our flight arrived in Los Angeles at 8:15 p.m. and I shared a cab with Regents Ed Carter and Dorothy Chandler to the Statler Hotel, where I will stay tonight. In the taxi we talked casually about the payment of membership dues to country clubs (like the Claremont) and the Bohemian Club. Carter implied that the University might pay part of these costs because of the need to entertain University guests at functions at the country club. He volunteered to arrange the use of any club facilities I might need in Los Angeles on occasion.

Saturday, October 18, 1958- Los Angeles

Frank Kidner and I met for breakfast at the Statler Hotel at 8:30 a.m. I told him about my conversation with Stan McCaffrey about Blessing and Haas, Jr. and asked him to look into the stories.

At 9 a.m. Frank and I met with Greg Engelhard and Herm Weiner to try to straighten out the Southern Seas mess. Weiner agreed to desist from recruiting for the next month or so until the matter is settled. Greg told me that our schedule for '61 and '62 includes only schools on the list with the one exception of San Jose State for 1962, which we will have to clear with Kerr.

At 11:30 a.m. I addressed an alumni group at the Town and Gown cafeteria on the USC campus. I told them about the plans for expansion of the Berkeley

campus and about some of our building plans in a fair amount of detail. USC President Norm Topping and I also took advantage of the chance to talk about athletics. He wants a meeting of the presidents of all of the AAWU institutions and will presumably talk to Sterling and Kerr about this. He thinks that with the emphasis on academic standards, athletics should be de-emphasized and that we should be satisfied to win 50% (like the Ivy League set-up). However, he remarked that he will have a hard time selling his alumni on this notion. Before the game, for the fun of it, we bet our neckties on the outcome of today's game with the understanding that the loser will go to tonight's reception tieless.

The football game in Los Angeles Memorial Stadium was a pretty exciting one. Despite the unbearable heat, both teams played surprisingly well. Cal won, 14-12. I could not resist the temptation to visit our team's dressing room after the game, waving Topping's tie in the air.

After the game I went to the Southern Seas reception at the University Club at 614 South Hope Street in Los Angeles. When I saw Vic Schmidt there, I told him that both Clark Kerr and I are still on the lookout for a position for him with the University but that nothing is likely to come through before the end of this year.

I also talked with a number of people at the reception (such as Chris Markey and Bud Winterbottom) and found out that there is a good deal of resentment about our continued kow-towing to Stanford. They would like to see us go ahead with the AAWU, ignoring Stanford until they ask us to come in (which they firmly believe is the only course open to Stanford). I was told repeatedly that we have a strong hand and are playing it badly.

My United Airlines Flight #577 from Los Angeles left at 8 p.m. and arrived in San Francisco at 9:35 p.m. I was met by a University car and driven to my home in Lafayette.

Sunday, October 19, 1958

I spent part of the day today reading correspondence and memoranda which had been sent out to my home from the Chancellor's office. Among other things, there was a notice from Clark Kerr that he has decided to make a change in the membership of the Intercollegiate Athletics Advisory Council.

> "Since you will be dealing primarily with athletic matters arising on the Berkeley and Los Angeles campuses, it seems appropriate to have the Academic Senate representation restricted to those campuses. Hence, I am substituting the Vice Chairmen of the Berkeley and Los Angeles Divisions of the Academic Senate for the Vice Chairmen of the Northern and Southern Sections of the Academic Senate."

That makes a great deal of sense to me.

I also had a chance to read some of what the press has been writing about me. Last week's issue of The Listener carried an article by Alistair Cooke entitled, "The Massiveness of America". In it, he writes,

> "I am at this moment looking out across the San Francisco Bay to the white campanile of the University of California at Berkeley. Here, in

my own time, they had 6,000 students; today they have 19,000 in this northern branch of the university alone. By 1960 they expect to have 25,000; by 1970, 45,000. The Chancellor of this university, a long, comely gentleman who might easily have passed for Huck Finn masquerading as a business man, recited these figures to me with no alarm. 'We are trying', he said, with barely perceptible pride, 'we are trying something new in the world. We are trying mass, or, if you like, massive education of high quality.' The academic rating, by the way, of the undergraduate body at Berkeley is second only to Harvard."

The article in the IBM house magazine THINK by Lee Edson describes me as

"a lanky, 6-foot-two-and-a-halfer with dark thinning hair, rugged Carl Sandburgian features, and a quiet almost shy manner."

I get a real kick out of these descriptions. Both this article and The California Monthly article, "Big Man on the Berkeley Campus", are attached.

Monday, October 20, 1958

I arrived early at my office in Dwinelle Hall this morning and went over some correspondence with Anna Carol. A letter from W. A. Dustin, a high school teacher in Santa Fe, asserted that information I gave him that Element 102 was discovered this year in Berkeley has got him "on the hook" with his students because it disagrees with information in their Chemistry text crediting the Harwell-Argonne-Stockholm group. Without going into the complicated background on the discovery (and naming) of 102, I sent him copies of two UCRL papers (#8313 and #8314) and a press release relating to the discovery at the Radiation Laboratory in the hope of "clarifying the situation".

I also signed a memorandum to Louis Henyey stating that as I have noted his application to the National Science Foundation for funds to rent a large memory for the 704 computer, I will not act further on his request for funds for the same purpose to this office.

Jim Hart wrote me a note reporting on his conversation with President Glenn Dumke of San Francisco State. They agreed that they would concentrate their discussions on issues related directly to the Berkeley campus of the University and to San Francisco State, rather than considering broader areas such as the relationship between the University and state colleges as a whole. Hart suggested that one topic of conversation might be the investigation of some tacit understanding of fields of study which might be more appropriately developed at San Francisco State than here at Berkeley (i.e., stage craft, dramatic arts and creative writing- in which they are already very strong). Dumke has agreed to draw up a list of topics to be considered, which I will review with Hart prior to setting up meetings between people from both campuses.

Under separate cover Hart wrote regarding the Graphic Arts Loan Collection which he established last year for the purpose of exposing our students to fine art in their living environemnts as well as for the use of Art Department students. I approved the use of $2,250 from our endowment funds for Fiscal 1959-60 to frame an additional 100 prints which Hart is raising the money to purchase. I also authorized a memo to staff informing them that in the future we are to refer to our campus as "University of California, Berkeley" rather than "University of California at Berkeley" (in accordance with the decision of the CCCO at Davis).

THINK

October 1958

"I haven't cornered the man-made elements market. The first . . . was discovered in Italy in 1937, . . . others which filled out the old 92-element Periodic Table were found soon afterwards."

a visit with GLENN SEABORG

By LEE EDSON

A Nobel laureate, in a conversation with THINK's reporter, discusses the elements he discovered, and the lighter side of their names.

DR. GLENN SEABORG, the new chancellor of the University of California at Berkeley and one of the world's leading nuclear scientists, was once asked what he did for a living. He is said to have replied laconically: "I discover elements."

Dr. Seaborg has devoted almost half of his 46 years to finding new building blocks of the universe and extending our knowledge of them into domains never reached before. He and his colleagues have discovered nine synthetic elements heavier than uranium, the heaviest natural element. One of these elements—plutonium — brought him a Nobel Prize in 1951, a small fortune in patent rights, and a permanent place in history as one of the architects of the A-Bomb. Recently, the University of California's famed Radiation Laboratory unveiled its newest discovery, Element 102, and Dr. Seaborg, still associate director of the Lab, believes that Elements 103 and 104 may not be far behind.

Curious about what all this means to us and what a modern Prometheus is like, I visited Dr. Seaborg in his office, which he'd just inherited from Clark Kerr, former chancellor and now president of the university. Michigan-born Dr. Seaborg, the offspring of three generations of hard-working Swedish machinists, proved to be a lanky 6-foot-two-and-a-halfer with dark thinning hair, rugged Carl Sandburgian features, and a quiet almost shy manner. As we shook hands, he motioned me to a couch in the corner of his office.

"Since you've virtually cornered the market on man-made elements," I began, once we were seated comfortably, "I'd like to know whether these new elements have any practical significance."

Dr. Seaborg smiled. "First, I haven't cornered the man-made elements market," he said. "The first synthetic element, No. 43, was discovered in Italy in 1937, and three others which filled out the old 92-element Periodic Table were found soon afterwards. But to answer your question, plutonium is of course the most important of the trans-uranium elements because one of its isotopes is a source of nuclear power. As for the other elements, they all reveal new information about nuclear and atomic structure, which is of importance in discovering how to utilize atomic energy."

"How did you get involved in the discovery of these elements?"

"It started simply enough. In my senior year at UCLA I learned about the invention of the cyclotron at Berkeley, and I became so fascinated I determined to take my Ph.D. there. In those pioneer days I did most of my work with radioactive isotopes. Then in 1940, two

of my colleagues, McMillan and Abelson, discovered Element 93, which they named neptunium after the planet just outside Uranus. Shortly afterwards, we found Element 94, plutonium. At first, we gave it the code name of 'copper.' Then when we had to introduce real copper into our experiments, we distinguished it from the other copper by calling the latter 'Honest-To-God Copper.' This nomenclature became troublesome, so in 1942 we went back to the old-fashioned system of naming elements after the planets and we named our discovery after the last planet, Pluto."

Dr. Seaborg paused and asked whether I'd like to hear about the other elements, and how they were named. When I said yes, he continued.

"The next two elements, 95 and 96, which we found at the University of Chicago, were hard to analyze chemically, so at first we referred to them as 'pandemonium' and 'delirium.' When we finally managed to identify them, we found we had run out of planets so we named Element 95 'americium' after America because it was analogous to 'europium,' which was named after Europe. Element 96 was christened 'curium' after Pierre and Marie Curie because it was analogous to 'gadolinium,' a rare earth which bears the name of another famed investigator, Johannes Gadolin. Similarly, Element 97, which we found at the University of California after World War II, was named 'berkelium' after the city of Berkeley because it was analogous to 'terbium,' Element 65, which was named after Ytterby, Sweden. Then came our next discovery, and because we no longer had an excuse to name it after a continent, a scientist, or a town, we named 98 after California, calling it 'californium.'

"The *New Yorker* Magazine was so intrigued with this," Dr. Seaborg chuckled, "that they accused us of lacking confidence in our own future. They said we should have named 97 and 98 'universitium' [university] and 'ofium' [of] thus leaving room for our next discoveries to be named after Berkeley and California. I wrote the editor a letter, pointing out that while we might not have had confidence, we certainly had foresight because the next two elements might be discovered in New York and named 'newium' and 'yorkium.'

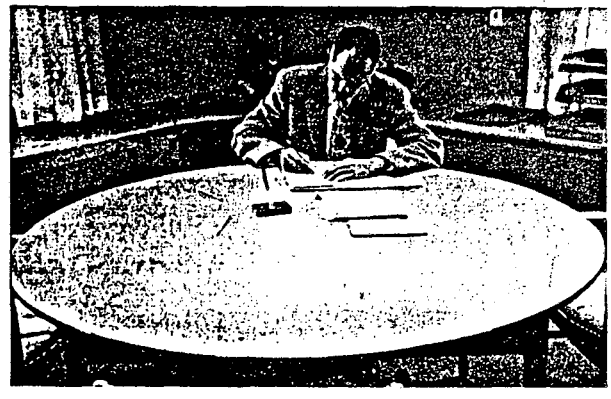
"As things turned out," Seaborg went on, "the next two elements, 99 and 100, were discovered by us and two other groups, not in the laboratory but in the debris of the 1952 'Mike' H-Bomb explosion in the Pacific. We agreed to name these elements in honor of the two greatest scientists of the Atom Age. Element 99 became 'einsteinium,' and Element 100 became 'fermium.' The next element, 101, was discovered after we tried an impossible experiment with einsteinium. We had only an invisible fraction of this material, and when we bombarded it in the cyclotron we produced just one atom of Element 101 per experiment. But it proved to be enough for us to identify. We named it 'mendelevium,' after the great Russian scientist, Mendeleev, who was responsible for the Periodic Table. The final element, 102, we haven't named yet."

"Where will all this end?" I asked.

Dr. Seaborg shrugged. "It's open," he said. "We can keep on going as long as we have instruments capable of identifying these radioactive elements. As we go up the scale, however, the element's life grows shorter and shorter. It dies before we can analyze it. But in the next 15 years I suspect that with sharper techniques scientists will discover elements up to 106."

"I've always enjoyed football . . . still join my five youngsters in baseball, and I love to play golf. I even take the seven-year-old to the links."

In his new role as a university chancellor, nuclear physicist Seaborg uses a big circular desk which allows plenty of room for the constant stream of scientists and educators coming into his office.

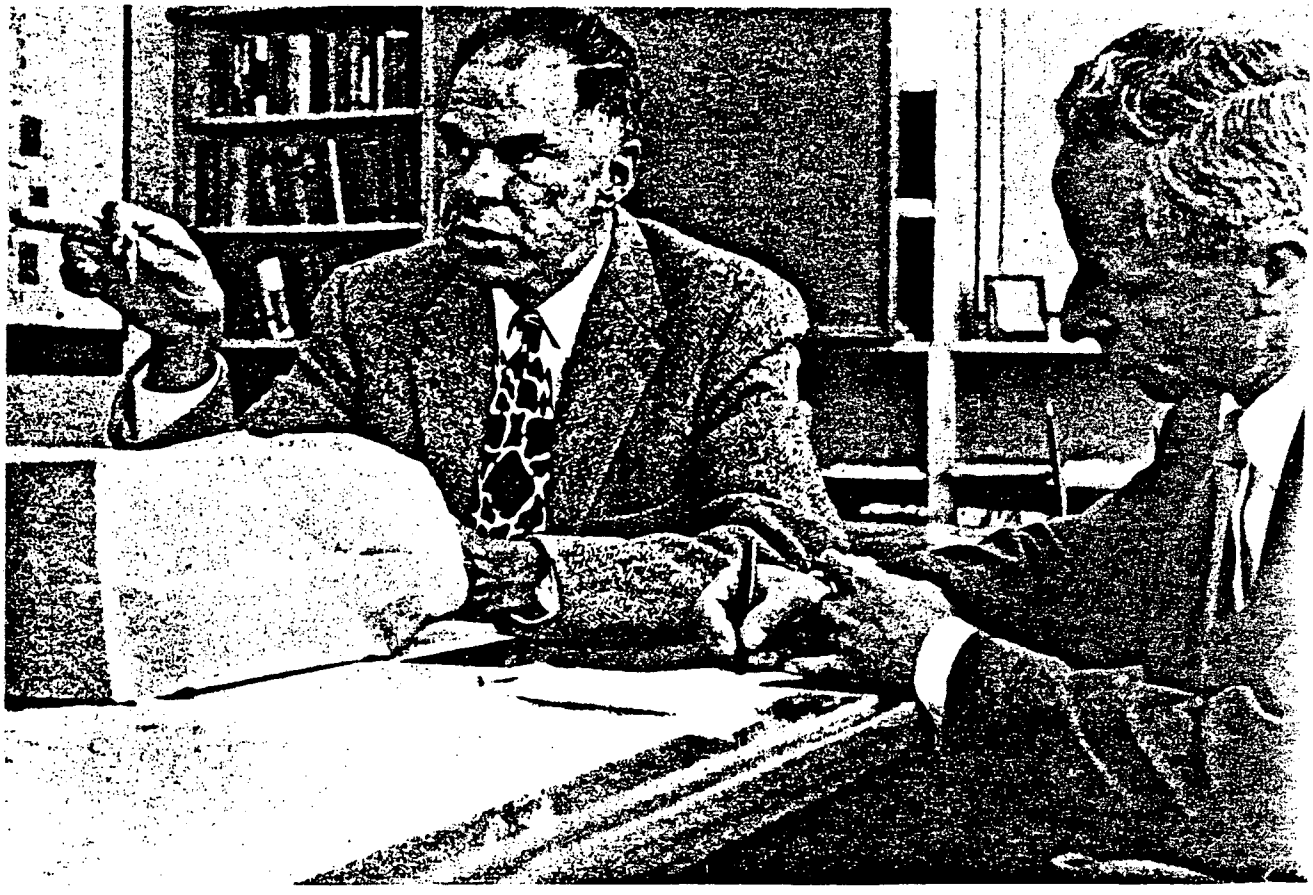


Dr. Seaborg shifted his long legs. "This has been so fascinating," I said, "that I almost hesitate to bring up a new subject. But I think our readers would like to know how you determined to be a scientist. Did you collect butterflies as a kid?"

"No," Dr. Seaborg smiled. "I was never interested in science while I was growing up in Ishpeming. That's a mining town in Michigan where I was born. When we moved to Los Angeles, however, things were different. In my junior year at David Starr Jordan High School I took a course with a chemistry teacher named Dwight Logan Reid. He made chemistry the most fascinating thing I had ever encountered. His lectures sparkled with anecdote. His experiments held me spellbound. He really loved his subject, and I couldn't help loving it, too. Then and there I decided to make chemistry my life work."

"You've never been dissatisfied with this choice?"

"Never. There is no thrill like that of making a discovery, of finding a new land."



Although the problems of education present a new challenge to Glenn Seaborg, he is still a scientist at heart. Several days each week, he takes his lunch in a paper bag and eats with his old friends at the Radiation Laboratory on the Berkeley campus.

"What do you think is the outstanding quality for success in science?"

"Hard work," said Dr. Seaborg promptly. "I mean it. Often I worked through the night. My success was the result of application, of working a little harder than others, of sticking to a problem until it was solved."

"I understand, however, that you managed to do a million other things at the same time. Weren't you the University of California representative to the Pacific Coast Conference?"

"Yes, for five years. I've always enjoyed football. As a kid I was too light for the high school team, but I played in neighborhood leagues. I still join my five youngsters in baseball, and I love to play golf. I even take the seven-year-old to the links. Scientists are normal people, you know."

As if to prove it, Dr. Seaborg spoke proudly of his weekend projects at his ranch-style home in suburban Lafayette—of the rosebushes he had planted, the brick walls he had laid, the lawn he had put in. He owns three TV sets, including a portable. He prefers popular music to classical, his favorite reading outside science is biographies, particularly those of Irving Stone.

Dr. Seaborg was leaving for Geneva to attend the Atoms-for-Peace conference and I wanted his reactions to the future of atom power. I had heard, I pointed out, that we are lagging behind other countries, notably England, in industrial applications.

"We don't need nuclear power as fast as England," Dr. Seaborg said, "because we are not as hungry as they are for fuel. We can afford to build on a broader base. However, in power for vehicles, such as submarines, we're as far along as anybody."

Dr. Seaborg went on to say in answer to further questions that he was in favor of exploring opportunities to curtail the nuclear arms race, that he believes in stronger cultural and commercial ties with Russia, and in strengthening our teaching of science in the school system. "Science," Dr. Seaborg said flatly, "should be taught as early as the first grade."

Finally, I asked Dr. Seaborg why he, a Nobel Prize-winning pure scientist, had accepted an administrative post as chancellor. Seaborg smiled thinly, as though he had faced this question a number of times before.

"To me it's a new challenge," he replied at last. "Having found my satisfactions in science, I wanted to see what I could do in the way of helping to solve our nation's biggest problem, education. But of course," he added quickly, "I intend to keep my hand in the laboratory. After all, I'm still a scientist."—THE END.

A close-up of Chancellor Glenn T. Seaborg who was picked by the Regents to be . . .

Ted Streshinsky

CHANCELLOR SEABORG explains his views on the challenges of his new job.

Big Man on the Berkeley Campus

ON THE afternoon of July 18, unfamiliar cars were parked in the spaces near Sproul Hall on the Berkeley campus. Top University officials, phone callers were informed, were "at a meeting." The signs were clear. The Regents were in monthly session.

That same afternoon, Professor Glenn T. Seaborg was at work in the Radiation Laboratory up on the hill when his phone rang. It was an assistant to President Clark Kerr with a message summed up in this greeting: "Hello, *Chancellor* Seaborg!"

From that moment on, the man internationally known as a discoverer of transuranium elements, and who shared the 1951 Nobel Prize in chemistry, was embarked on a new course in his distinguished career.

It cannot honestly be said that the appointment was a complete surprise. It was well known on the Berkeley campus that the tall (well over six feet), 46-year-old nuclear scientist was being considered as Clark Kerr's successor as Chancellor. There was some doubt, however, that the Regents would ask him to give up his scientific work to become a University administrator.

The doubts were founded upon a dilemma that neither the new Chancellor nor the Regents found to exist. The announcements of Chancellor Seaborg's appointment stated specifically that he would continue to serve as Associate Director of the University of California's Radiation Laboratory at Berkeley.

Anyone who thought that a man so thoroughly identified with nuclear science could find nothing to interest him in the challenges University administration might offer, just hadn't been listening to Chancellor Seaborg in recent years. Before teachers' organizations, service clubs and other groups, he has taken the platform time and again to speak his convictions on American education—a topic of genuine concern to him.

At one gathering he itemized the waste of money and effort when "society is deprived of the new ideas the undeveloped intellect fails to produce." At another meeting he warned of the consequences of underexposing precollege students to fundamental education in sciences. At a third he championed better salaries for teachers, noting that "money for education is just sensible insurance in a world filled with unknown risks." At a college commencement last June, he criticized education narrowly conceived to provide job security. He argued that "training in the minutiae for some occupation of today provides neither practicality nor security in the long run. Such an education is education with built-in obsolescence."

The new Chancellor's interest in education is nothing lately formed. It can be traced, in part, to his great respect for one of his own teachers, Dwight Logan Reid, at David Starr Jordan High School in Los Angeles. Reid fired Seaborg's interest in chemistry and physics and inspired him to scholarly achievement recognized when he was named valedictorian of his class. This interest in education is probably influenced, too, by the fact that Chancellor

Seaborg is himself the father of five children, Peter, 12; Lynne, 11; David, 9; Stephen, 7, and John Eric, 4.

In an interview given just five days after he became Chancellor, Seaborg said: "There is a general feeling that 'all is not well' in education—particularly precollege education. Society needs more trained brainpower. As the proportion of trained people to unskilled people goes up, higher standards of education for everyone are required if people are to get along. Traditionally, a University is able to exert leadership, one way or another, in the whole educational future of our society. I consider it a tremendous challenge to do what I can in making a contribution to this effort."

THAT HE is aware of some of the major problems of his new job was indicated in a statement to the press at the time of his appointment. He said, "To continue the University's tradition of bigness and high quality in the years of rapid growth that lie ahead will test our imagination and our skill. There are difficult problems in faculty staffing, in the construction of physical plant and the maintenance of the vitally important but less tangible relationship between faculty and students which inspires the best performance of both."

In that same statement, he called attention to the tremendous growth of the University under the leadership of Presidents Robert Gordon Sproul and Clark Kerr. Later, in an interview, he said "What was it Churchill said? 'I have not become the King's first minister in order to preside over the liquidation of the British empire . . .' I feel somewhat the same way about the Berkeley campus. I hope to see the eminence of the Berkeley campus only increase. In recent years our University has consistently ranked among the top three in the country. I would hope that during my administration, the University's over-all distinction will be unexcelled. And that will take a little doing!"

THREE THINGS should make the doing a littler easier, however. One of them is the carefully worked out long-range physical development plan for the Berkeley campus. This plan (reviewed in some detail in this issue of CALIFORNIA MONTHLY), was completed under Chancellor Kerr and serves as a guide for all construction and space utilization at Berkeley. The second is an "Academic Plan" which was devised more or less simultaneously with the physical development plan but was made a matter of policy by the Regents at the same July 18 meeting that produced Seaborg's appointment. The third factor was the announcement in August of the appointment of two new vice-chancellors.

The academic plan suggests some important policies under which the new Chancellor will operate. Basically, the policy reaffirms that the Berkeley campus (the same policy holds for UCLA), will be comprehensive in nature with programs which have research, instruction, professional training and expert public service as controlling purposes.

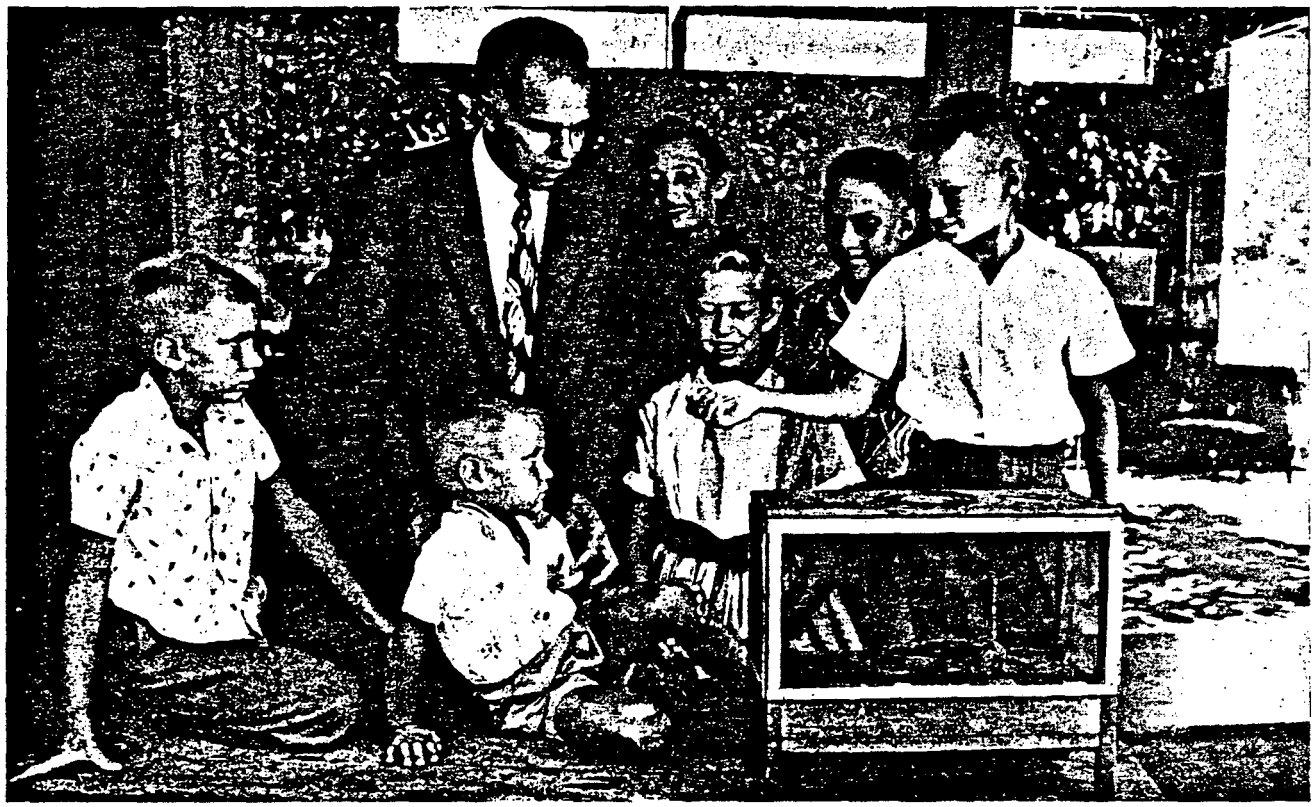
The keynote of the plan is the setting of standards for excellence in both research and instruction, and the facilities and environment that make them possible. This policy, highly generalized here (full text of the Regents' Policy Statement appears on page 4), places the Regents and the President directly behind the Chancellor in his work toward University eminence.

THE NEED for the policy statement itself arose from the terrific demands that will be made on the Berkeley campus because of California's rapid population growth. Chancellor Seaborg has had this problem well in mind. He feels that it would be preferable if the Berkeley campus could reach a student enrollment of about 25,000 (which it will by 1963), and stay there. But he feels if holding that line would mean keeping qualified young people out of the University, or putting the Berkeley campus "in some kind of a super-slot unattainable by large numbers," that steps should be taken to meet the challenge of even larger enrollments. "Whatever we do," he said, "I hope that it would mean that qualified people would have the same opportunities I had in studying at the University."

ACTUALLY, Chancellor Seaborg does not see size, in itself, a threat to quality education: "We must remember," he said recently, "that bigness has some advantages as well as liabilities. A large university with a great faculty can offer students a richness and breadth of intellectual opportunity, as well as great libraries and research facilities that cannot be duplicated in a small institution. Our challenge is to continue to put such assets to work for the greater good of students, faculty, and the people of California."

It is reasonable to assume that, in continually striving for excellence under conditions of growing enrollments, campus life will become more intense. "I have the impression our campus, whatever the causes, is already more intense," Chancellor Seaborg says. "Twenty years ago, summers were free; professors would spend the full summer at places like Lake Tahoe. Now there seems to be something to occupy them the year around here on campus. I would hope that the academic life could become a little more intense for our students, too. In precollege years, it definitely should be more intense. You know, up to a year ago, we were pretty worried here at Berkeley about the great degree of apathy, disinterest in elections and the cultural opportunities of the University on the part of the students. Last year, however, this whole idea of 'the New Spirit' emerged, and the tide began to turn. A lot of progress has been made and we think that even more will be made in the future."

Much of the responsibility for the University's relationship to its students at Berkeley will reside with Alex Sherriffs, who will serve as Berkeley's first vice-chancellor for student affairs. An associate professor of psychology,



Ted Streshinsky

AT THEIR HOME in Lafayette, the Seaborgs are shown a tiny lizard by David, 9. Other members of the family, left to right, are Stephen, 7; John Eric, 4; Chancellor Seaborg, Mrs. Seaborg, Lynne, 11, and Peter, 13. Mrs. Seaborg is the former secretary to the late E. O. Lawrence.

Sherriffs was an assistant in matters of student relations under Chancellor Kerr.

In academic and administrative matters, Chancellor Seaborg will have the services of Vice-Chancellor James D. Hart, professor of English, and another new vice-chancellor, Edward Strong, a professor of philosophy who was also a former assistant to Chancellor Kerr. The appointment of the new vice-chancellors should provide added administrative strength to the Berkeley campus. Their presence, though not intended for that purpose (the position of vice-chancellor for student affairs was created in a study made long before Seaborg's appointment), should improve the Chancellor's chances of success in following his scientific interests.

"Of course, I'll be on reduced schedule at the Radiation Laboratory, and will have fewer jobs to do up there," he told your editors. "My job as Chancellor will have to be my number one responsibility." He indicates, however, that he hopes to continue some of his research and to teach a few graduate students.

EVEN IF he wanted to, it is doubtful that he could ever completely withdraw from the obligations his eminence as a scientist places upon him. Before he was named Chancellor, he accepted an invitation to give one of the keynote addresses at the second "Atoms for Peace" conference in Geneva. This conference took him away from the campus for nearly two weeks beginning September 1. It is likely that similar invitations will come in the future.

The fact that the Regents selected a distinguished scientist as Berkeley's second chancellor would suggest to some people that more emphasis on the role of sciences in the University's curriculum should be expected. Chancellor Seaborg was quick to recognize this fact, and, in his statement to the press on July 18, assured: "We must exercise care to have a proper balance between the humanities, the professional areas, the social sciences, and the physical and natural sciences, and we must never allow an overemphasis in any one of these areas of scholarship."

The idea of a scientist heading a University while continuing to be active in science is relatively unique in this country. Many scientists have become college presidents, to be sure, but most of them have given up science to do so. In Europe, however, there are many examples of eminent scientists, including Nobel Prize winners, who became or are heads of universities.

The prospect of hard work that such responsibilities will undoubtedly require leaves the Chancellor unperturbed. "I've always worked long days, and there are week ends and evenings when one can get time for research."

Chancellor Seaborg's capacity for work was evident in early childhood. He earned his own spending money by taking paper routes and mowing lawns. On graduating from high school, he worked for three weeks as a stevedore at a warehouse. Later, he worked as a night laboratory assistant at Firestone Tire and Rubber Company to earn

money for his freshman year at the University. During his first summer vacation, he picked apricots in the San Joaquin Valley, and became an apprentice to a linotype machinist for a Los Angeles newspaper.

By 1931, he was working in the chemistry laboratories at UCLA where he prepared samples, did research, read problem sets and examinations, and eventually even did some teaching.

Chancellor Seaborg received his A.B. degree from UCLA in 1934 and his Ph.D. at Berkeley in 1937. (He is the only person to have been named "Alumnus of the Year" by alumni of both campuses of the University.) After he received his Ph.D., Chancellor Seaborg spent two years as a laboratory assistant to the late Gilbert N. Lewis, then Dean of the College of Chemistry at Berkeley.

IN 1939, he became an instructor at the University and was promoted to assistant professor in 1941. During this period he and his associates discovered several dozen isotopes and published some 40 scientific papers. In 1940, the group crowned their earlier efforts with the discovery of the new synthetic element—plutonium (element 94). An isotope of this new element proved to be fissionable and thus suggested its potential as a source of atomic power.

It was decided that plutonium research of the Manhattan Project should be undertaken at the University of Chicago Metallurgical Laboratory, and Seaborg secured a leave of absence from the University and went to Chicago in April, 1942.

Before leaving Berkeley, Chancellor Seaborg became engaged to Helen L. Griggs, then secretary to the late Ernest O. Lawrence, Director of the Radiation Laboratory at Berkeley. On a rushed business trip to Berkeley a few months later he took a day off and they were married on June 6, 1942, in Pioche, Nevada.

Until May, 1946, Seaborg served as chief of the section at Chicago that was working on transuranium elements. The Plutonium team soon expanded to over 100 scientists.

Under Seaborg's leadership, the team had the responsibility to work out the complete chemical process for separating plutonium, produced in the chain reacting piles, from the mixture of uranium and intensely radioactive fission products at Oak Ridge, Tennessee, and Hanford, Washington. The imagination and daring of the group in developing techniques for working with extremely minute quantities of materials, resulted in finding the process required in a little over a year. Many responsible scientists predicted that five years would be needed for the task.

While in Chicago, Seaborg and his associates also discovered two more transuranium elements: americium (element 95) and curium (96).

Chancellor Seaborg returned to the chemistry department at Berkeley in 1946 as a full professor (skipping the rank of associate professor), and took responsibility for directing nuclear chemical research at the Radiation Laboratory. During the postwar years, Dr. Seaborg and his colleagues discovered berkelium (element 97) and californium (98). Since 1952, they have discovered einsteinium (99), fermium (100) (with the scientists of Argonne National Laboratory and Los Alamos Scientific Laboratory), mendelevium (101) and element 102.

Alumni of the Berkeley campus have come to know the new Chancellor through his past participation on the President's and Chancellor's tours to visit alumni clubs throughout the state, his lectures at alumni institutes, and his visits to the Lair of the Bear summer camp.

Through these associations, Chancellor Seaborg has developed a high regard for alumni efforts. "I certainly appreciate all that alumni have done for the University in the past," he told us, "and I look forward to their continuing support in the future." He is aware that alumni will always have opportunities to help the University in important ways. An obvious example is the support alumni are currently giving to the Student Center campaign. For the immediate future, he expressed the hope that alumni would inform themselves concerning the implications of such November ballot measures as Proposition 3, the passage of which would insure progress on the University's building program; and Proposition 17, which the Regents have gone on record as opposing on the grounds that it would impair California's ability to meet essential requirements of the State, including higher education. "As our population grows and the demands upon higher education become more pressing, our alumni will have increasing responsibilities for remaining aware of the implications of all public policy affecting the excellence of their University," the Chancellor said.

ONE INTEREST the new Chancellor specifically shares with many alumni is athletics. Golf is his chief hobby, and he shoots in the nineties. His favorite spectator sport is football. From 1953 until two weeks after he became chancellor, he served as Berkeley's Faculty Athletic Representative. In this capacity he worked closely with the then Chancellor Clark Kerr, and the athletic staff of the ASUC during the turbulent period that saw the disintegration of the Pacific Coast Conference and the formation of the new Athletic Association of Western Universities.

Chancellor Seaborg reads a great deal, devoting much time to scientific literature. He also likes biographies. He follows politics closely and is well-informed on world affairs.

Since July, 1951, his spare-time interests have been devoted primarily to his duties as a homeowner. Chancellor Seaborg and his family live in Lafayette, 11 miles east of the campus. They developed the general design of their modern redwood home themselves. Before his appointment, it was believed that the new Chancellor would reside at the President's Home on the campus, but the Seaborgs decided against the move and the President's Home is now being used as a reception center for distinguished University guests. Quarters in the historic home will be available for the Chancellor, however, when his work keeps him on the campus until late at night. ◄

At 11:30 a.m. I left the campus and went up to the Radiation Laboratory to attend the regular Monday brown bag lunch meeting of the Chemistry research group in Perlman's office. We went over a number of routine matters requiring decisions. The meeting lasted until 2 p.m.

I went back down to the campus and worked on a notice "To Members of the Academic and Nonacademic Staff at Berkeley" regarding the importance of passing Proposition #3 (the $200 million bond issue to finance building construction programs) and requesting "vigorous assistance to the campaign for this Proposition."

At 2:45 p.m. in my office I met with Mike O'Brien (Dean of the College of Engineering). We talked about engineering programs in this country on the whole. He told me that there has been a surprising drop in new students this fall across the country--an average of 12% in large schools, especially in the New York area. There are now 13 publicly supported colleges in California with engineering schools. State colleges have the same curriculum and use the same textbooks as we do here. O'Brien feels that we need to better define the fields of study within the engineering field. He believes that it was a mistake for the La Jolla campus to go into engineering and that talk of opening a school at Davis is foolish. We agreed that the University needs to develop our engineering program with the goal of improving the quality of the curriculum and attracting a distinguished student body rather than concerning ourselves over much with the numbers of students enrolled. As the main reason for my meeting with him, I informed O'Brien that he will be replaced as the Dean of Engineering, effective July 1, 1959, as part of the new policy of reviewing deans after five to seven years of service with the view of replacing them or, rarely, reappointing them; he has been Dean much longer than this. He was very displeased by this news and said that if he had known about this, he would not have taken his sabbatical leave at this time.

At 3:30 p.m. I met with Lloyd Bernard to talk about the Bureau of School and College Placement. They are planning a big meeting for departmental placement advisors next Monday at the Alumni House in which I will participate.

Clark Kerr and I kept a 4 p.m. appointment in his office to discuss a list of 13 items. I told Clark about my conversation with O'Brien this afternoon and about my talk with Weiner last weekend in Los Angeles. We also talked about appointments to various committees and the organization of the International House Board. (Kerr will be President of the Board and I will be Vice President and do all the work.) He agreed to take care of putting a discussion of faculty salary increases on the agenda for the meeting of the Council of Chief Campus Officers at the November Regents Meeting here in Berkeley.

On my way home, I stopped off at the Rad Lab to talk with Iz Perlman and others about ongoing research there.

Tuesday, October 21, 1958

First thing this morning I received a telephone call from Dan Wilkes. We talked about the press release on the high-current 88-Inch Cyclotron. The release will include recital of accomplishments using the 60-Inch Cyclotron and the role of the Crocker family in building it; it will also describe

something of the research program for the 88-Inch and a bit about the unusual method by which funds were obtained for it. The release will, of course, need to be checked with the Atomic Energy Commission. Wilkes will work with Rad Lab personnel on this. Dan also told me that he will need funds for press coverage of the National Academy of Sciences meeting November 6th-8th. He has okayed with Ken Pitzer the use of a room in Lewis Hall as a press room but wanted to let me know that Pitzer does not have sufficient money in his budget for the press needs. I told him that this office might be able to provide the $25-$50 he needs.

Greg Engelhard called me at 9:15 a.m. to report on the basketball scheduling meeting which was held with all AAWU athletic directors October 12th-13th at the Clift Hotel. It was agreed that AAWU members will play each other twice. We may also play non-members of the AAWU (such as Oregon) as independents. He mentioned that we are trying to bring the Air Force team into our schedule. Greg has not yet signed the ten-year contract with Stanford initiated by Kerr and Sterling. I told him that I will ask Kerr if he still wants this signed.

At 10 a.m. I had an appointment with Thomas Blaisdell to discuss the Institute of International Studies.

Professor Hideo Nishimura paid a courtesy visit at 10:30 a.m. He is on the faculty of the School of Medicine of Kyoto University in Japan and is a specialist in the field of congenital abnormalities. He is travelling here under the sponsorship of the Rockefeller Foundation and told me some very interesting things about his experiments on the aging of twins. (Wilet Asling, co-Chairman of Anatomy-Physiology, accompanied and introduced Professor Nishimura.)

A few minutes later I had an appointment with Captain Maxwell (head of Pergamon Press). They publish research journals and materials for the United Nations, as well as offering translation services. Maxwell told me that they are thinking of establishing an office in Berkeley and would like to use the UCB press. I told him definitely that that would not be possible. I nevertheless suggested that he might want to speak with Dan Wilkes to familiarize himself with the way things work here in Berkeley. He also invited me to edit a section on nuclear chemistry and chemical physics for a textbook to be published by Pergamon. I declined the invitation and suggested that he might speak with Friedlander, Sugarman, Turkevich, Perlman or Rasmussen.

At noon the regular meeting of the Chancellor's Cabinet was held. Present were: Milt Chernin, Bill Fretter, Jim Hart, Kitty Malloy, Errol Mauchlan, Alex Sherriffs and Ed Strong. We began the meeting with a discussion of the future physical placement of the Chancellor's Office. We were in complete agreement that we all prefer to stay in Dwinelle Hall which encourages a closer relationship with faculty. However, we also had to admit that the need for space for academic staff (particularly in the Humanities) may outweigh the inconvenience of moving to Sproul Hall.

I reported on several items of interest that were discussed last week at the meeting of the Chief Campus Officers, including implementation of special faculty salary increases, rotation and review policy of deans, the Statewide Academic Plan, the NDEA and my request that the matter of increasing faculty salaries be placed on the agenda for the November meeting. I also told them that I felt that the presentation on educational television went very well. I

am convinced that there are a number of faculty very enthusiastic about the possible educational uses of television and, therefore, there is no sense trying to force faculty who are apathetic about this experiment to participate.

Jim Hart passed out a memorandum on the subject of the proposal to appoint "faculty fellows" to residence halls in an attempt to improve close relationships between students and faculty. The idea is that each residence hall will be assigned four faculty fellows (one from the humanities, one from the social sciences, one from biological or physical sciences and one from the professional schools) to dine regularly in the residence dining hall, to hold regular "commons" hours with the students for informal discussion and to arrange special activities such as speakers in areas of special interest. Appointments would be for a period of three years with the possibility of renewal and consideration would be given to the idea of reducing teaching loads as compensation for the amount of time which this responsibility would entail. Although the concept of this proposal was approved by the Student Affairs Committee and by Kerr when he was Chancellor, nothing has been done about appointing the fellows. Hart and Sherriffs agreed to be responsible for implementing the program.

After the meeting I worked with Anna Carol and dictated several letters. I wrote to Herb York to tell him how much I appreciated the chance to talk with him in Washington earlier this month about the College of Engineering and about the space research institute. I also invited him to make a presentation to the Regents Educational Policy Committee on the state of space research and provided him with a schedule of meetings for the next year.

I wrote to Aleksandr N. Nesmeyanov (President of the USSR Academy of Sciences), expressing my interest in visiting the Soviet Union in December and remarking that discussions about the discovery and naming of Element 102 would be quite useless without the participation of Al Ghiorso (senior author of the paper on the discovery). I asked him to aid me in arranging Ghiorso's visit to the USSR at the same time as mine by providing Al with the formal invitation required by the AEC for clearance.

I wrote to Bill Stricklin in response to the resolution regarding Sather Gate as follows:

> "...Be assured that we will do all that we can to maintain the tradition which grew at Sather Gate. However, for reasons which have been announced, the location for the expression of that tradition must be moved to the new entrance to the campus."

I also wrote to Donald Coney (Chairman of the Committee on Drama, Lectures and Music) concurring in his request that authority to approve nonstudent requests for permission to hold meetings in University facilities be transferred immediately to the Chancellor's Office. I signed a memo to all deans and department chairmen outlining procedures for selecting those eligible for the special retroactivve salary increases.

At 3 p.m. a University driver picked me up and drove me to the NBC studio at 420 Taylor Street in San Francisco where I taped a radio program for KNBC's show "Science Calling". The program was moderated by Garford Gordon of the California Teachers Association and the only other guest was Charles Shaw (of Standard Oil and also Chairman of the American Chemical Society Commission on Manpower). Our subject was "Science and Technologists" and we covered such

areas as future careers in technology, the distinction between training for pure science research and technological training and the pressing need to educate more people as both scientists and technologists. The show is expected to be broadcast by at least 60 stations throughout the state and may be broadcast nationwide at later dates.

At 7:30 p.m. I attended the regular Tuesday evening meeting of the Chemistry Research Conference at Lewis Hall.

Wednesday, October 22, 1958

I went directly to the Radiation Laboratory this morning to attend a meeting of the Associate Directors beginning at 9 a.m. Before the meeting I talked with Ken Street about various matters at Livermore.

At 11 a.m. I hurried down to the campus to meet the University driver assigned to take me to the KQED studio in San Francisco for the KQED luncheon for business leaders. I delivered a speech "Television in the New Age of Education". I described our current crisis in education and the pressing need to train people for technical careers as well as to educate them about the scientific issues of our time so that they make responsible decisions as good citizens. I also talked about the shortage of teachers, particularly of mathematics and science. I then attempted to summarize the experiments in using television for education which are already being made (making special note of Harvey White's course) and some of my visions of ways that television may be used in the future for educating people throughout their lives in their own living rooms and as improved educational aids in the classroom (using the closed circuit broadcast of experiments as an example). I concluded my speech (which I believe was very well-received),

> "If we are to continue the development of our own dynamic democratic society, I feel that we have no alternative except to use this tool of technology to help more people go through the gates of knowledge and share in a broader understanding of our world. We have entered a new age, and a new education to meet it is long overdue."

I had time to take care of a little business at my office upon my return before the day's next meeting. I wrote to Harvey White thanking him for his participation in the Regents Meeting last week. I also signed a memo to T. J. Kent and Francis Violich (City and Regional Planning), William Wurster (Architecture), and H. Leland Vaughn (Landscape Architecture) notifying them that the Committee on Educational Policy has approved the establishment of a College of Environmental Design and suggesting that the proposal might now be submitted to the Representative Assembly for its action.

The Academic Advisory Committee met in the Chancellor's Conference Room at 3:15 p.m. Present were: R. G. Bressler, C. W. Brown, W. E. Farnham, J. D. Hart, C. W. Jones, F. L. Kidner, M. Moonitz, A. C. Sherriffs, M. A. Stewart and E. W. Strong. The main topics of discussion were criteria by which to distinguish vocational courses (as a pointer to the Committee on Courses' review of areas of instruction more appropriate to the state colleges and junior colleges) and the reorganization of the College of Engineering. The meeting adjourned just before 5 p.m.

I went immediately to Clark Kerr's office in order to ride with him to the San

Francisco Airport. We are both going to Los Angeles to attend the inauguration of Norman Topping as President of the University of Southern California. Our flight (United Airlines #760) left San Francisco at 6 p.m. and arrived in Los Angeles at 7:35 p.m. Enroute in the plane, Clark and I discussed a number of matters. He told me that he has talked with Mike O'Brien and asked that he reconsider asking for retirement from the University. Clark admitted that he has essentially promised O'Brien the job coordinating engineering in the President's Office which Wellman previously held. I pointed out that we do not have a letter of resignation as dean from O'Brien- in his letter O'Brien asks only for retirement. This didn't seem to have occurred to Kerr. However, it's not really a matter of concern because the matter of his retirement as dean will be placed before the Regents at the November meeting.

Clark also agreed to postpone the signing of the ten-year contract with Stanford. He instructed me to cease asking Stanford to join the AAWU and wait for them to take the initiative and ask us. He implied that if they have not joined by July 1, 1959, and wish to join in order to participate in the Rose Bowl, we might make them wait publicly as long as we have waited for them. I also told the President about my conversations with Jan Popper, Ray Allen and Catherine Hearst about the possibility of UCB- UCLA cultural exchange programs and about my upcoming "Meet the Press" meetings with students.

I spent the evening and slept overnight at my mother's house in South Gate. At about 9:45 p.m. I called Catherine Hearst to let her know that Vice Chancellor Hart will get in touch with her about the cultural exchange idea and try to set up a meeting with her at the time of the November Regents Meeting in Berkeley. She told me that she agrees with Kerr's reorganization plan (the Cresap, McCormick and Paget plan for decentralization) and will support it at the November meeting.

Thursday, October 23, 1958- Los Angeles

The festivities associated with Norman Topping's inauguration as the seventh president of the University of Southern California began early this morning with registration in Mudd Hall on the USC campus. The academic procession formed at 10:30 a.m. and, provided with caps and gowns, we made quite an impressive spectacle marching along University Avenue. While waiting for the procession to begin, I had a brief conversation with August L. Strand (President of Oregon State College). I was interested to learn from him that OSC enrollment went up and Oregon enrollment went down (on the order of 10% or so) each year following an OSC Rose Bowl appearance and vice versa following each Oregon Rose Bowl appearance.

The inaugural ceremonies began at 11 a.m. in Bovard Auditorium with Asa Call (President of the USC Board of Trustees) officiating. In his inaugural speech Norman Topping described the contributions which the University of Southern California has made to the community and made some predictions for the future of higher education. He suggested a number of goals for improvement at USC and after each suggestion, paused and announced dramatically, "This we shall do!" It was quite an impressive speech.

A reception followed the speeches in the Rotunda of the Doheny Library. Ray Allen and I got together to talk about athletic matters before the luncheon. I told him of my conversation with Herm Weiner and about the agreement we

OAKLAND TRIBUNE

October 22, 1958

Contract Let for Four-Story Addition to U.C. Stern Hall

BERKELEY, Oct. 22 — The University of California has awarded a contract for the construction of a four-story addition to Stern Hall, first women's on-campus residence unit at U.C.

Chancellor Glenn T. Seaborg reported that a $211,880 contract has been given to the Oakland firm of McBroom and Cecchini.

The new construction will add 23 double bedrooms and enlarged dining facilities to Stern Hall, situated at Hearst Ave. and Gayley Road. The expansion will increase the number of residents from 90 to 136.

The new wing, scheduled to be ready for occupancy in a year, will be built from university funds plus a $50,000 gift from Walter A. Haas of San Francisco, chairman of the board of Levi Strauss and Co.

Mrs. Haas, the former Elise Stern, is the daughter of the late Mrs. Sigmund Stern, San Francisco philanthropist who provided the funds for the original residence hall.

William W. Wurster, dean of the U.C. College of Architecture, designed both the original hall and the addition.

TV Beneficial, Says Seaborg

BERKELEY GAZETTE

October 23, 1958

By combining the advantages of television with increased leisure time "we may catch up with the demands of our age," Nobel Prize winner Glenn Seaborg said today.

Seaborg, University of California chancellor, said through TV "more than 90 per cent of American homes can become centers for the continuance of intellectual development."

In an address prepared for a luncheon of business leaders at San Francisco educational TV station KQED, Seaborg said television has not been used as widely as it should. Television, he said, can educate more people with less teachers. He added that TV instruction has been proved as effective as conventional methods.

reached that Weiner will abstain from recruiting during the investigation for the next month or so. Allen agreed that we will not publicize this. He thinks that a hearing will be necessary, although he gave me the impression that he would gladly forego it if his constituency would allow him (which is unlikely). I also told Allen that Kerr has okayed UCLA playing Texas Christian in 1961 and he said that our game with San Jose State would be fine. We also mentioned the proposed UCB-UCLA cultural exchange program. He has talked with Gustav Arlt and suggested that Hart might now contact Arlt for further discussion.

Luncheon was served in the Town and Gown dining room at 1:30 p.m. I talked with Carl Franklin (who will be the USC faculty athletic representative as of July 1, 1959). He asked me when I think Stanford might join us. We seemed to agree that we shouldn't hold the door open, pleading, forever.

My flight to San Francisco (via United Airlines #689) left Los Angeles at 3 p.m. and arrived in San Francisco at 4:35 p.m. I was met by a University driver who took me to the campus. Helen and I met for dinner at the Women's Faculty Club with Ken and Jean Pitzer, Joel and Emily Hildebrand, Bob and Frances Connick, Melvin and Gen Calvin and others.

At 8 p.m. I introduced Ken Pitzer as the 1958 Gilbert N. Lewis Memorial Lecturer. Pitzer spoke on "Dynamic Structural Chemistry" at the lecture in Lewis Hall.

Friday, October 24, 1958

I began my day at the Chancellor's Office by reading some of the accumulated correspondence. Bill Fretter wrote me a note expressing his opinion that it is unwise of the Chancellor's Office to remain in Dwinelle Hall. He cautioned me to seek the advice of the Committee on Buildings and Campus Development, which recommended a move to Sproul Hall to then-Chancellor Kerr. Fretter is concerned that our relations with faculty (particularly Humanities faculty to whom the Dwinelle Hall space was promised some time ago) might be damaged by insistence on remaining where we are. He reminded me that the policy has been for buildings near the library to be devoted to academic and not administrative purposes. His arguments make a great deal of sense; we should certainly be careful to consult all committees involved in the original recommendations.

Errol Mauchlan wrote a report on the meeting held last Friday to talk about the opening exhibit of the new Art-Anthropology Building and about the appointment of a curator and continued funding of art exhibitions. I agreed to the appointment of Dr. Grace Morley as director-curator and also promised to raise the question of support from the McEnerney Fund with Clark Kerr.

John McCone (Chairman of the AEC) responded to my letter of October 3rd (regarding the program for the production of transplutonium isotopes and promoting the construction of a very high flux reactor). He thanked me for my interest and recommendations and informed me that a meeting will be called with representatives of all national laboratories to discuss this proposal some time next month. I wrote to the Soviet Embassy in Washington, initiating a request for a visa to visit the USSR in December for the VIII Mendeleev Conference.

C. W. Brown telephoned this morning to discuss the addition to Donner Laboratory and the continuing space assignment problem in Biochemistry. We also discussed the determination of building priorities according to the President's directive. I promised to ask Kerr once more about the possibility of naming a new building after a living person who is not a major donor (related to the continuing desire to name the Art-Anthropology Building after Kroeber).

At 10:15 a.m. Frank Kidner came to my office to consult about various athletic matters. We exchanged notes about recent conversations about athletics (including the Weiner matter, scheduling decisions, Stanford and the AAWU, etc.). Frank also wanted to clarify the support of expenses incurred as a result of his duties as faculty athletic representative; the University, rather than the ASUC as in the past, will cover these expenses.

Alex Sherriffs and I kept an appointment at 11:30 a.m. He informed me that the committee to select a new director for Cowell Hospital has settled on Henry Bruyn. We discussed Bruyn's qualifications and I agreed that I would certainly accept Bruyn as soon as I have received the formal recommendation from the committee. I will have to consult John Saunders (CCO at San Francisco) to reach an agreement about a joint appointment for Bruyn which will protect his position on the academic ladder. Then Saunders and I should probably write jointly to Kerr since this involves the two campuses. We also talked about the request from Stiles Hall that a group relations intern be allowed to attend the meetings of the Committee on Discrimination. We agreed upon a tactful refusal of their request. Alex brought to my attention the article in yesterday's Daily Cal regarding the Rynin proposal which will be considered by the Representative Assembly of the Academic Senate next Tuesday. The revised proposal will read as follows:

> "This faculty asserts that freedom of discussion in the classroom and in academic consultation is fundamental to higher education. The essential freedom of a university can be seriously jeopardized if argument and expression of opinion are inhibited, particularly in those subjects which are held controversial in some quarters and at some moments in history. Therefore, reports by a teacher concerning the beliefs, attitudes, activities, and associations of a student regarding religion, politics, and public affairs in general are not permissible when the reports are based on information acquired by the teacher in the course of instruction or in the course of other student-teacher relations that involve the student academic program."

The issue of academic freedom arose when officials of the Federal Bureau of Investigation (FBI), the Civil Service and Military Intelligence requested information other than that relevant to the classroom in connection with loyalty- security checks for government job applicants. Feeling among faculty about this issue is quite strong.

I went to the Rad Lab to have lunch with friends and catch up on what has been happening with research there.

Returning to my campus office at about 2:30 p.m. I met with Bernie Hammerbeck (the PCC Acting Commissioner) to talk about various athletic matters.

At 7 p.m. Helen and I hosted a dinner at our home for the Harts, the Strongs, the Sherriffs, the Fretters and the Chernins. It was a very pleasant evening.

Saturday, October 25, 1958

For the most part, today was a day to relax. Helen and I went to the football game between Cal and Oregon at Memorial Stadium. We won with a score of 23-6.

Sunday, October 26, 1958

Helen and I had a full social calendar this afternoon. From 3 p.m. until 5 p.m. we attended a tea at the home of Dean and Mrs. Hurford Stone at 1888 San Antonio in Berkeley. The occasion was an opportunity for us to become better acquainted with student leaders, which we enjoyed very much.

At 6 p.m. we met with Mr. and Mrs. Robert Mulvaney for dinner at the Claremont Country Club. Bob is representing the admittance evaluation committee which must pass on our application for a special membership in the Club. I was interested to learn that he is a good friend of John McCone, AEC Chairman and UCB alumnus.

Monday, October 27, 1958

On arriving at my Dwinelle Hall office this morning, I buckled down immediately to the pile of correspondence on my desk. I read an interesting report on ASUC Executive Committee affairs from Hurford Stone. (We had, of course, discussed this in passing at yesterday's tea at his house.) He informs me that a proposal to establish a "Personnel Advisory Board" (with which Bud Hastings would have to consult to hire or fire any employees in the $5,000 and above bracket) composed almost entirely of student members, was defeated. Another SLATE proposal to endorse a youth march on the White House in support of integration of schools was also defeated; however, a resolution unanimously supporting the principle of integration of schools was passed. Stone advised me that I will soon receive a request from Bill Stricklin "that the University do everything possible to amend State Law 1944 so as to permit the employment of foreign students in non-academic part-time positions." He told me that Stricklin turned down the SLATE petition for a vote on an amendment to the constitution having to do with increases in the activity fee.

Apparently, there was a long and lively discussion about the issue of recognition of student political parties and their function on campus. The decision was made to appoint a committee to investigate the desirability of political parties in student government. This committee will be composed of two members of the Executive Committee (probably Stricklin and one of the SLATE people), the chairman of the Student Judicial Committee, a student at large, the Vice Chancellor of Student Affairs and the Dean of Students. Stone concluded his memo by remarking,

> "...the debate, though lively at times, was much more friendly than that of the previous week. In my opinion we have a very good Executive Committee this year and I am gratified with the efficiency shown by Bill Stricklin in conducting the meetings. He has matured considerably in the past year and may yet become one of our very strong student body presidents."

I wrote two important memoranda to Clark Kerr. One conveyed the request for appointment of Grace Morley as curator-director and noted that the establishment of the art exhibition for the new Art-Anthro Building is dependent on favorable action on the request of transfer of funds from the McEnerney Fund "to support an annual program of art exhibitions and other desirable cultural activities." As I noted, I realize that this is subject to the action of the Regents; however, I am hopeful that I will get some feedback from Kerr about the possible timing of such a transfer.

In response to an urgent letter regarding the need for funds to continue the operation of the White Mountain Research Station from Nello Pace, I wrote President Kerr asking for support from the statewide endowment income which he controls. The problem with the research station's funding is apparently the result of delays in consideration of grant applications caused by a major administrative reorganization in the Division of Biology and Medicine of the National Science Foundation. Pace is confident (reasonably so, it seems to me) that the funding from NSF will come through eventually; in the meantime, it is a matter of finding a way to keep the station open so that research there may continue.

At 11 a.m. President Asghar of Kabul University in Afghanistan made a courtesy visit to my office. After that, I went up to the Radiation Laboratory for the regular Monday noon lunch meeting of the chemistry group.

I returned to the campus at about 2 p.m. At 2:30 p.m. Charles Glock, head of the Survey Research Center, came in to acquaint me with their work. The SRC is a part of Lipson's Institute for Social Studies and works through 15 departments and schools. They have a budget of $100,000 for three years which will allow the coordinating group to support four people. Glock would like the assistant director to be on the faculty. He prefers an appointment in Statistics; David Blackwell (Chairman of Statistics) has agreed to this and they are now discussing the arrangement with Lincoln Constance. I asked Glock to report on their progress directly to me. He mentioned that an advisory committee has been appointed to the Center and that he has found this very useful.

From 3:30 p.m. until 5:30 p.m. I attended the annual meeting of the Bureau of School and College Placement with departmental placement advisors at the Alumni House. In my welcoming remarks, I noted,

> "I am much more in need of enlightenment than you are, having gathered, to date, only a general idea of the scope of the University's efforts directed toward the preparation and placement of college teachers."

Then I went on to emphasize our special obligation as the only public institution in the state authorized to award a doctorate, to help to identify, prepare and recruit qualified college teachers. I quoted Thomas Holy's report which indicated that from 1957 until 1970 California institutions will need 42,000 FTE college teachers. Dr. Holy then presented some more of his findings in a discussion of his report, "A Study of Faculty Demand and Supply in California Higher Education 1957-1970". Glenn Dumke (President, San Francisco State College), Guy West (President, Sacramento State College) and James Cline (Associate Dean of the Graduate Division at Berkeley) followed his presentation with comments of their own before opening the discussion to all participants.

At 6 p.m. I joined members and guests of the Intercollegiate Athletic Advisory Board for dinner at the Durant Hotel. Members present were Bob Chiappone, Dick King, Carl Nordly, O. Cort Majors, Herman F. Selvin, Ben Lom, J. Eugene McAteer; also attending were: Frank Kidner, Davis, Greg Engelhard, Gordon, Bud Hastings and Bill Stricklin. At dinner Greg Engelhard brought up the idea of inviting the Russian track team to meet the U.S. team in Berkeley next June (at which time they plan to visit Philadelphia). The ASUC would have to guarantee expenses. I told him that I think it is a fine idea but that I would like to check with Kerr first to see if we should also check with any of the Regents before giving the okay. We should also be concerned about protecting the financial interests of the ASUC.

The meeting of the IAAB formally began at 7:30 p.m. Unfortunately, I had to excuse myself after a few minutes to go to the Alumni House to deliver a talk on the Geneva "Atoms for Peace" conference as a part of the "University Nights" program. I described the conference and emphasized the proposal for collaboration between American and Russian scientists in the search for future elements. There seemed to be considerable interest in my topic.

After my talk (which lasted about 45 minutes) I returned to the Durant Hotel and rejoined the Athletic Advisory Board (IAAB) meeting. Apparently, the majority of their time had been devoted to a detailed and prolonged discussion of the ASUC Executive Committee's criteria for major sport status and the procedures for attaining that status. (Essentially, these are that the sport shall be judged by the sustained level of student interest, national and local prestige which it has attained, and by the emphasis placed on the sport at the University of California.) Based on the criteria, the Board recommended to the Executive Committee that Gymnastics and Wrestling meet the criteria and that Boxing and Soccer do not. They decided that at the next meeting of the Board they will discuss the current and prospective financial situation of the ASUC- which they began discussing before adjourning just before 11 p.m.

Tuesday, October 28, 1958

The Student Office Hour which had been scheduled for this morning from 10 a.m. until 11 a.m. was cancelled because the Daily Cal failed to run the announcement. This gave me a little bit of unexpected time to read memos and dictate some correspondence. I approved a statement to the press drafted by Dan Wilkes regarding this year's Nobel Prize. It said,

> "The award of the Nobel Prize to Professors Cerenkov, Tamm and Frank is well-deserved recognition of a major scientific contribution. It is also a reminder that the expansion of human knowledge is not limited by arbitrary geographical boundaries. I congratulate both the Nobel Committee and the Russian physicists."

Charles Jones (Chairman of the Educational Policy Committee) wrote me that the committee recommends the approval of the proposed establishment of the College of Environmental Design. However, he also notes,

> "Throughout the University, there is in progress a review of vocational courses and their role in the curricula of the schools and colleges. In the light of this review, the favorable report herewith submitted by the Committee should not be taken to preclude appropriate examination of curricula and course offerings within the new college."

BERKELEY GAZETTE

October 27, 1958

UC Faculty Lectureship For Seaborg

Chancellor Glenn T. Seaborg, Nobel Laureate in chemistry, has been named faculty research lecturer for the Berkeley campus of the University of California for the academic year 1958-59.

Selection of Chancellor Seaborg was made by a faculty committee headed by Dr. M. B. Emeneau, professor of general linguistics and Sanskrit, and which included some of the campus' most distinguished scientists.

The faculty research lectureship is bestowed annually upon an individual whose researches have outstanding merit. The lecture will be given next Spring, during the ~~annual Charter Week observances.~~

Chancellor Seaborg's selection is a recognition of his stated intention to continue to spend part of his time doing scientific research. He assumed the chancellorship last August. The selection of a head of the campus to deliver the scholarly lecture is novel.

In giving reasons for Chancellor Seaborg's selection, the committee cited the discovery by the scientist and his co-workers of the transuranium elements beginning with element 94 (plutonium) and extending through elements 102; his discovery of scores of isotopes of stable elements; his leadership in pioneering the methodology and instrumentation of nuclear chemistry, and his influence in the training of most of the Nation's nuclear chemists.

Chancellor Seaborg received his AB at the Los Angeles campus of the University and PhD, in 1937, on the Berkeley campus. He has been on the Berkeley staff since his graduation, and he has been widely honored for his epochal researches, including the Nobel Prize in Chemistry in 1951.

I dictated a memo to Carl Nordly (as Chairman of the Strawberry Canyon Sub-Committee) and Bob Kerley, observing that the fee schedule suggested for Strawberry Canyon appears a bit high and suggesting that further staff work needs to be done before a final decision can be made. I asked the committee to submit to me as soon as possible: 1) a plan for operational organization, 2) budgets for 1958-59 and 1959-60, 3) "a recommendation with the rationale therefor of how much of the operating budget should be met from the University funds and how much from fees paid by the users of the facility" and 4) "a fee schedule designed to raise the latter amount which will facilitate the use of the facilities by those elements of the University whose use of it should be encouraged." I also suggested that we might try to plan some events for Strawberry Canyon on Big Game Day (November 22nd) to attract the attention of alumni who might be interested in supporting the project. (The facility will not be finished by that time and yet I think we ought to be able to organize something.)

I also wrote to Dan Luten regarding his position on the disposition of the San Pablo Reservoir Tract,

> "...Off the record, I am in entire agreement with your opposition to subdividing this area and I hope that, for the future good of East Bay communities, this view will prevail."

Jim Hart and I met with Lincoln Constance in my office at 11 a.m. Among other things, we decided to create a campus-wide Foreign Language Council, to consist initially of the chairmen of those departments giving instruction in modern and ancient foreign languages and linguistics, and perhaps a representative from the Department of Education (if Dean Brownell wishes). This council, whose functions are to be advisory, would consider and recommend to the Chancellor on matters of common interest to the departments involved, such as the language portion of the National Defense Education Act of 1958, a language laboratory, improvement of language teaching, and the foreign language requirement for foreign students. Dean Constance agreed to draw up a list of departmental chairmen and to draft a letter to be sent to them. I will ask Brownell about Education's participation.

The Chancellor's Cabinet met at noon as we do every Tuesday. Present were Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and I. For the most part, the meeting was devoted to discussion of ongoing projects-issues and the exchange of information between staff. Ed Strong reported that Berkeley High is interested in the plan to enroll outstanding students at the Berkeley campus (which is similar to a program working well at UCLA). Strong will be meeting with the Berkeley High administration about this. We all agreed that the plan should be open to other high schools in the area.

At 2 p.m. I met with Carl Borgmann (Director of Science and Engineering of the Ford Foundation). He is in charge of a special engineering fund of the Ford Foundation of several million dollars (in addition to $75-100 million to be spent on five or ten year special projects, of which $15 million should be available this fiscal year for three new projects). I recommended that for the general spending they should advance the idea of putting engineering on a more scientific basis--make it engineering education--in this country. (He had indicated that the emphasis on spending the few million yearly might be on the educational rather than the research aspect.) With respect to UCB's participation in one of the special projects, I told him confidentially, in

the most general terms, about our planned change in organization, and that we would get in touch with him with some specific proposals when this has been effected. Borgmann pointed out that with the ascendancy of engineering in the state colleges in California, we and UCLA have a golden opportunity to limit our effort to bigger things and drop some of the run-of-the-mill things. I had the impression that he would be interested in supporting this idea financially. By the way, he mentioned to me that in his opinion the 18 or so units of humanities and social sciences required of our engineering students is too small a proportion.

The Academic Senate met in 155 Dwinelle at 3:10 p.m. I opened the meeting (after such business as the approval of minutes, etc.) by reading a statement emphasizing the need for support of Proposition #3. Following my statement, the Senate voted unanimously to support the passage of the proposition. A large part of the meeting was then dedicated to the discussion of the proposal put forth by the Academic Freedom Committee, chaired by Frank Newman. This is a revised version of the proposal originally made by David Rynin (and referred to in the press as "the Rynin proposal") limiting faculty response to government security investigations about questions of religion, politics, etc. After at least an hour's informal debate, the resolution was adopted.

This evening I attended the regular Tuesday evening meeting of the Chemistry Research Conference at Lewis Hall.

Wednesday, October 29, 1958

I went directly to the Radiation Laboratory this morning to meet with Eldon Haines, a new graduate student, before the meeting of the Associate Directors. Eldon will be doing his Ph.D. research under me but will be working with Stan Thompson for his guidance.

When I arrived at my office on campus at about 11 a.m., I received a call from Frank Kidner. He learned from Brad Booth that Ray Allen has ruled that the Regents' policy prevents UCLA from playing northern schools after July 1, 1959 and that Allen is very concerned that I have ruled otherwise for UCB. I will have to discuss this matter with Kerr. Frank also expressed some concern over the Academic Freedom Resolution adopted yesterday by the Academic Senate. He feels that it may become a subject for acrimonious debate in the Senate and that if it is taken up by the Southern Section of the Academic Senate (and possibly voted down there), it would become a matter of concern for the Regents. He pledged his help to Clark Kerr and me if he should be needed.

The Chancellor's Advisory Administrative Council met at 12:15 p.m. in my conference room. Present were: R. G. Bressler, M. Chernin, L. Constance, C. F. Garland, C. C. Gilliam, J. D. Hart, R. F. Kerley, M. T. Morris, W. L. Prosser, K. A. Ryerson, A. C. Sherriffs, T. B. Steel, K. B. Stoddard, E. W. Strong, H. J. Vaux, O. W. Wilson, W. W. Wurster, and several guests, including J. W. Durham (Chairman, Paleontology), G. M. Foster, Jr. (Chairman, Anthropology), F. J. Whitfield (Chairman, Slavic Languages and Literature) and several visitors from universities in Indonesia. We followed the agenda, beginning with my (the Chancellor's) report. I reported on the procedures outlined for the special academic merit increase, the proposal for paid parking, procedures for distributing the minutes and agendas for our meetings, and remarks made by Norman Topping at his inauguration. Other items on our agenda included: interdepartmental faculty seminars, the National Defense

Education Act, reductions in the 1959-60 budget as a result of a smaller enrollment than that anticipated, our problem with negotiating overhead payments for government research contracts, progress in our work for Proposition #3 and the need for better communication with former graduate students. The meeting adjourned at 3 p.m.

I returned to my office to take care of some correspondence. I dictated a letter to Lawrence Livingston (trustee of the estate of Alfred Hertz) responding to his expression of concern about the possibility that Hertz Hall will be ruined by being used as a classroom and attempting to reassure him that we are giving every special consideration to maintaining the Hall for the purpose for which it was built, special concerts. I also sent off a brief summary of a proposed article on "The Chemical Elements" to the Saturday Evening Post for their "Adventures of the Mind" series.

I read an interesting letter from Glenn M. Anderson (who expects to be elected Lieutenant Governor in November) expressing his feelings about the responsibilities of the Regents (on which Board he would serve as Lieutenant Governor). He wrote,

> "Our society grows more complex and more regulated each year. So it is all the more important that our great universities remain places where really free thought is possible--for they will be one of the few such places, if not the only one. Perhaps the provision of such a safe haven is the finest function any university can fulfill. The tolerance of nonconformity is not too great a price to pay for having a refuge for individuality. The nonconformist and the eccentric may well be wrong more often that right-- but this is all the more reason why he must be protected in his honest search for knowledge."

He pledged his support for the University and his interest in a close working relationship with University administration.

At 4 p.m. Greg Engelhard called to tell me that he wants a basketball schedule with the Big Four and Stanford in which all five play each other and that if northern schools are fitted in, it would be on an individual basis. Apparently Stanford wants the northern schools included as a whole but they will go along with what Engelhard suggests, choosing to play the northern schools on an individual basis. Ray Allen wants to talk with me by phone about his interpretation of the Regents' ruling.

The Campus Planning Committee met in my conference room at 5 p.m. Bill Wurster and I were the only voting members present but Jim Hart, Ed Strong, C. W. Brown, Louis DeMonte and A. R. Wagner also attended. The committee recommended the appointments of specific architects for the LeConte Hall addition and for the high current cyclotron building. I also reported the letter I received from City Manager Phillips concerning the unkempt appearance of houses, now vacant, acquired by the University in the area south of campus, noting that I have assured Phillips that action will be taken immediately to remedy the conditions.

When I got home this evening, Helen told me that she went to a tea in Kay Kerr's honor at the Women's Faculty Club today.

Thursday, October 30, 1958

At 8:30 a.m. I attended the regular Thursday morning meeting of the Chemistry group at the Radiation Laboratory. Present were: Albridge, Alexander, Axe, Bosch, Buddemeier, Chesne, Chiao, Chu, Conway, Crespo, Cunningham, Flamm, Fried, Gordon, Gruber, Haag, Hall, Harvey, Hoff, Hyder, Latimer, Markowitz, Marshalek, McLaughlin, McWhan, Meyer, Michel, Morton, Navarro, Perlman, Petrakis, Rasmussen, Reddoch, Reeder, Reynolds, Richardson, Ruben, Ruiz, Shalimoff, Stone, Templeton, Tocher, Thomas, Unik, Viola, Wallman and Winsberg.

Ruiz reported on his measurements in the energies of the gamma rays in the U^{229} decay series, in which the U^{229} was produced at the 184-Inch Cyclotron by the Th^{232} (α,7n) reaction; Gruber, on the fluorescence and absorption spectra of Cm^{+3}, Bk^{+3} and Am^{+3} and the analogous ions in the 4f series, Gd^{+3}, Tb^{+3} and Eu^{+3}; and Viola, on the yield and excitiation function for the production of Pu isotopes (such as Pu^{234}, Pu^{235} and Pu^{236}) produced by α,xn reactions with light uranium target isotopes (such as U^{233}, U^{234}, U^{235} and U^{236}).

After the meeting I met briefly with Eldon Haines to further discuss his plans for graduate work and I also conferred with Al Ghiorso about plans for the December visit to Moscow, etc.

I ate lunch in the Rad Lab cafeteria with a group of people from the campus business office. Among other things, we talked about getting going on the bids for the high current cyclotron building and about such controversies as the paid parking plan for the Lab.

I went down to my office on campus at about 1:30 p.m. and dictated a letter to Clyde Hutchison, Jr. at Fermi Institute recommending Glen Gordon, Evan Appelman, and John Unik for postdoctoral positions. They are all truly excellent candidates for the Fermi opening for a nuclear chemist.

At 2 p.m. I met with Tedi Kompanetz, who is proposing that meetings be held with both undergraduate and graduate students on U.S. campuses (beginning here at Berkeley) to discuss the cultural area between the academic and private lives of students. The interviews would be taped (by KPFA) and transcribed and then exchanged with other countries which would do the same thing. He has started this project by talking with Indian, French, Polish and other foreign student groups who have agreed to carry the word back to their countries. Stiles Hall has adopted the project unanimously and enthusiastically. Kompanetz was interpreter for the Russian editors who visited the campus last year and they said that they would spread the word in the Soviet Union. He hopes to follow up with the Russian graduate students this fall and asked me to take a package to Russia when I go. I told him that this might be possible- although surely the State Department would have to approve me taking this tape to Russia. I asked him to send me a written description of what he has in mind and to work with Alex Sherriffs on any further exploration.

Bob Cockrell came in at 2:45 p.m. to talk with me about the Discrimination Committee. I instructed him to follow Kerr's directive of April 1957 as a blueprint. They should try to eliminate discrimination clauses from fraternity constitutions by persuasion and motivation. Before the committee sees the YWCA report on discrimination, they ought to seek the permission of the YWCA and then arrange through Beverly (Alex's secretary) to read it here in this office. I also informed him that a summary of the fraternities'

discrimination clauses will be given to the committee orally by Dean Shepard.

I left the office early today because Helen and I are hosting a reception at our home for the new department chairmen and their wives. The reception lasted from 4 p.m. until after 6 p.m. and was a very pleasant social occasion.

Very late this evening (around 11:30 p.m.) I telephoned Clark Kerr. In regard to the basketball scheduling, he told me that we are to play the teams with whom we have been talking (i.e. northern schools) in 1959 and 1960. After that, we will all get together on the list of possible opponents. He asked me to call Ray Allen with this information but to be careful to make it clear that Allen is free to discuss this directly with Kerr. I mentioned to Clark the information I learned from President Strand of OSC; he was very surprised that enrollment would increase so dramatically after a Rose Bowl appearance (Strand said as much as 10%). I told Clark about the contents of Bud Hastings' contract and he was shocked at the power and autonomy that the ASUC gives him.

We also conferred about Mike O'Brien's status in Engineering. He told me that what he has in mind for O'Brien is keeping him on the Engineering Coordinating Council (chaired by Harry Wellman) if he remains a Professor of Engineering. In any case, it will be made clear to O'Brien that he will not retain his deanship under any circumstances and if he decides to continue his professorship, the matter will go to the Regents at the November meeting. O'Brien has promised that he will decide about his retirement by November 10th; if he does decide to retire, then none of this is pertinent. As an aside, Clark mentioned that there is some possibility that O'Brien might move to La Jolla.

Friday, October 31, 1958

Today was a very relaxed day after the sort of schedule I have been keeping. Sharon Banigan of Dutton Co. sent me a telegram to let me know that today is the official publication date of Elements of the Universe, expressing their gratitude "for a beautiful job". I am rather pleased with the book myself. Herb York wrote that he would be happy to make a presentation to the Regents Educational Policy Committee on the subject of space research any time after the first of the year. He promises a decision about the Engineering deanship a few days before his arrival to speak at the Physics Department on November 11th.

Ray Allen called me at about 10:30 a.m. He said that our decision to play basketball with northern schools is viewed with considerable alarm at UCLA (by Wilbur Johns and Brad Booth, I gather). However, he also said that he realizes our position and appears ready to accept the decision to play the northern schools. In a later call I confirmed my understanding with Kerr that we will go ahead with the 1959 and 1960 basketball schedules which include northern schools. I emphasized to Allen that I expect that the list would be different from the football list and probably less restrictive.

This afternoon Dan Wilkes and I played golf at the Contra Costa Country Club. I especially enjoyed this, as I have had very little time for golf lately. We played only nine holes. I scored 48 and Dan, 35.

DEPARTMENT CHAIRMEN 1958-59
Berkeley

DEPARTMENT	CHAIRMAN	VICE-CHAIRMAN
Air Science	S. C. Gurney	
Anatomy and Physiology	C. W. Asling & S. F. Cook Acting Co-Chairmen	
Anthropology	G. M. Foster	J. H. Rowe
Architecture	W. W. Wurster	
Art	W. W. Horn	
Astronomy	O. Struve	
Bacteriology	E. A. Adelberg	
Biochemistry	E. E. Snell	
Botany	A. S. Foster	
Business Administration	E. T. Grether	J. W. Cowee
Chemical Engineering	C. R. Wilke	
Chemistry	R. E. Connick	R. J. Myers
City and Regional Planning	F. Violich	
Classics	A. E. Gordon	
Criminology	O. W. Wilson	A. H.MacCormick
Decorative Art	C. E. Rossbach, Acting	
Dramatic Art	F. O. Harris	
Economics	A. G. Papandreou	E. H. Huntington
Education	W. A. Brownell	F. T. Tyler
Engineering	M. P. O'Brien	
Civil (Department)	H. E. Davis	
Hydraulic & Sanitary Engineering (Division)		P. H. McGauhey
Structural Engineering & Structural Mechanics (Division)		E. Popov
Transportation Engineering (Division)		W. N. Kennedy
Electrical (Department)	J. R. Whinnery	R. M. Saunders
Industrial (Department)	E. P. DeGarmo	
Mechanical (Department)	C. F. Garland	
Aeronautical Sciences (Division)		S. A. Schaaf
Heat-Power Systems (Division)		R. A. Seban
Mechanics and Design (Division)		W. W. Soroka
Naval Architecture (Department)		
Mineral Technology (Department)	J. A. Pask	J. E. Dorn
Nuclear (Department)	L. M. Grossman, Acting	
English	H. N. Smith	I. P. Watt
French	R. N. Walpole	
Geography	J. B. Leighly	
Geology	F. J. Turner	
German	C. G. Loomis	
History	D. M. Brown	K. M. Stampp
Italian	A. Ferruolo	
Journalism	P. F. Griffin	
Law	W. L. Prosser	
Librarianship	J. P. Danton	L. C. Merritt
Linguistics	M. R. Haas (Miss)	
Mathematics	J. L. Kelly	H. Helson M. H. Protter (Fall Term) L. A. Henkin (Spring Term)

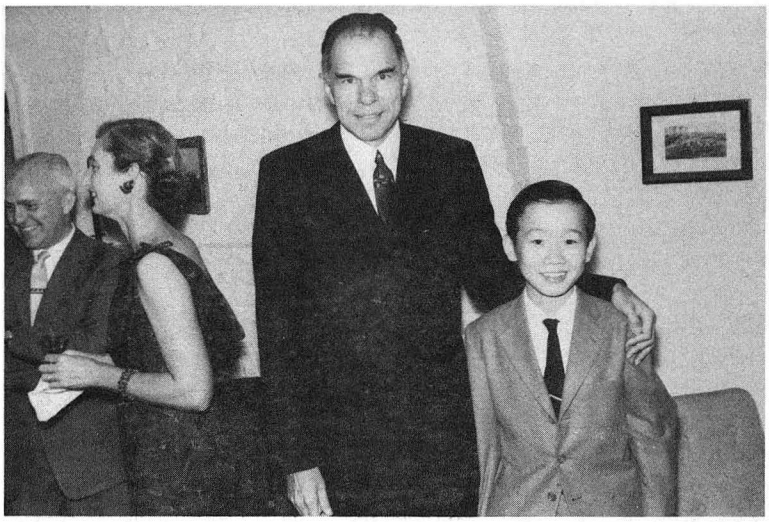
As of 10/27/58

Military Science and Tactics	J. T. Malloy	
Music	D. D. Boyden,	
	J. W. Kerman, Acting	
Naval Science	J. T. Wilbur	
Near Eastern Languages	M. S. Beeler, Acting	
Optometry	K. B. Stoddard	
Oriental Languages	D. Carr	
Paleontology	J. W. Durham	
Philosophy	W. R. Dennes	
Physical Education	C. L. Wordly	
Physics	A. C. Helmholz	H. E. White
Political Science	C. Aikin	N. Jacobson
Psychology	L. J. Postman	P. H. Mussen
Scandinavian	A. G. Janzen	
Slavic Languages and Literature	F. J. Whitfield	
Social Welfare	M. Chernin	
Sociology and Social Institutions	R. Bendix	K. Davis
Spanish and Portugukese	A. Torres-Rioseco	
Speech	J. ten Broek	
Statistics	D. Blackwell	
Virology	W. M. Stanley	
Zoology	M. Harris	C. H. Hand

Saturday, November 1, 1958

In the afternoon I played some touch football in our patio with Dave, Lynne, Tommy Alexander and Tom Peery.

At 5 p.m. Helen and I went to the home of the Donald Shivelys at 71 Bonnie Lane in Berkeley for a cocktail party in honor of Professor Odaka, who is here as a part of the Inter-University Visiting Scholar Program sponsored by the Ford Foundation. (Shively teaches in our Oriental Languages Department and is very active in the Center for Japanese Studies.)



At the Shivelys' home, November 1, 1958
L to R: unknown, Helen Seaborg, GTS, Vic Odaka

We went from there to the American Chemical Society dinner-dance at the Claremont Country Club.

I was disappointed to learn that Cal lost our football game with Oregon State College at Corvallis today. The score was 14-8. This was our first defeat this season in the Pacific Coast Conference schedule- and, I hope, our last.

Sunday, November 2, 1958

In the morning and early afternoon I played golf with Dan Wilkes, Stan Thompson and Jack Steinbeck at the Contra Costa Country Club. Stan and Jack played only the first nine holes but Dan and I went the full 18 (stopping for lunch at the Clubhouse between the ninth and tenth holes). Our scores were Stan- 52, Jack- 41, Dan- 77, and mine- 103.

Monday, November 3, 1958

I spent the first part of the morning at my office in Dwinelle Hall reading incoming correspondence and dictating several letters to Anna Carol. Richard

Thruelsen (Senior Editor at the Saturday Evening Post) wrote to express the opinion that the piece I outlined for their "Adventures of the Mind" series may be too technical for their readers. He suggests that I may want to consult with someone outside of the scientific profession "who would act as a non-technical control, so to speak" and help me to determine if my article would be comprehensible to the layman and of sufficient general interest.

Dan Wilkes wrote me a very interesting memo, remarking that a comment by Gobi Lal (science writer for the Hearst newspapers) to the effect that science does not influence and motivate artists has stimulated the idea of establishing an institute or conducting a symposium to bring various artists together to get an "infusion of scientific ideas, methodology, etc.". This strikes me as a very interesting idea; I asked Anna Carol to give a copy of Wilkes' memo to Bill Fretter for his comments.

Fretter also wrote me a note passing on comments on Harvey White's television program. On the whole, Bill feels that his lectures are exceedingly well organized, conventional in conception, accompanied by well-thought-out demonstration experiments. However, he also indicated that several people have remarked that White may not be the most inspiring teacher for this sort of series; his lectures tend to be very dry and lacking in humor. I am afraid that I would have to agree.

Stan McCaffrey wrote to me noting that I have been appointed as Chairman of the Special Regents' Committee to Consider the Establishment of a Suitable Memorial for Ernest Lawrence and offering his assistance, especially in the fundraising efforts. (Other members of this committee are President Clark Kerr, Radiation Laboratory Director Edwin McMillan, Regents Gerald Hagar, Edwin Pauley and Jesse Steinhart and the following three citizens from outside the University: Rowan Gaither, Alfred Loomis and Lewis Strauss [former Chairman of the Atomic Energy Commission].)

I read a petition signed by 37 doctors associated with Cowell Hospital supporting the selection of Charles B. Hudson, M. D. as Director of the Student Health Service.

There was also a very lengthy memorandum from Ed Strong reporting on the continuing battle between Wendell Stanley and Esmond Snell for space in the Biochemistry-Virus Laboratory Building. This problem has consumed an enormous amount of staff time. As Ed points out,

> "The length of this letter reflects the complexities of the hassle over the third floor space in the Virus Laboratory Building complicated by an agreement made in 1955, by subsequent developments, by postdoctoral fellows, by opposed points of view concerning academic policy as concerns a teaching department and a non-departmental laboratory, and by personal equations."

He volunteers to draft a letter announcing administrative decisions embodying various proposed compromises--which I approved with the suggestion that the letter might be signed by Clark Kerr.

I dictated a memo to Bill Prosser (Dean of the Law School) indicating that the idea of a roof area on the Law Building Addition was not in the plan presented to the Regents. I told him that it is not likely that additional funds for this project can be appropriated (since in the last few months we have been

asked by the Statewide Coordinating Committee to reduce our new buildings to a minimum consistent with maintaining high quality of instruction). I asked him to decide if he wishes to have the Office of Architects and Engineers estimate the costs of the roof area in the hope that it can be funded by the deletion of items in the new Addition.

I also wrote a "message" to engineering and science students on the Berkeley campus for publication in the magazine, The California Engineer, which advises the students of the four basic elements I believe are necessary for a successful scientific career: intelligence, motivation, training and WORK. I concluded the message,

> "The reason that most scientists are willing to devote long hours to their work, I believe, is that this particular work satisfies, to a very high degree, the deep psychological need to feel that what one is doing is of some importance. The scientist has the satisfaction of this need built into his life, and this gives zest and motivation to his efforts. This is possibly the best reason for choosing a career in science--that the work by which you earn your living will in itself be one of the most fascinating parts of your life."

Saul Winstein called me at about 10:40 a.m. to tell me that he plans to attend the Mendeleev Conference in Moscow in December. I promised to send him copies of all correspondence relating to the conference.

At 11 a.m. I went up to the Radiation Laboratory to attend the regular Monday meeting of the Chemistry staff. As the meeting did not begin until noon, I tried to make a number of phone calls. I did not succeed in reaching Lewis Strauss or Ed Pauley to discuss the proposed meeting of the Lawrence Memorial Committee; however, I did reach Ken Pitzer. I told him that I have invited Regent McLaughlin to attend the NAS meeting and reception and dinner in Berkeley. I also informed him of the committee appointed to select a fitting memorial for Ernest Lawrence and about my own idea of a science museum. Ken and I talked about the EOL award from the Atomic Energy Commission. He asked me for my views on what type of award should be established in Lawrence's honor and how we might distinguish it from the Fermi Award and others that are similar.

Just before noon I reached Spofford English at AEC in Washington and asked him for advice on the invitation which I received from Robert Johnson (Temple University) to serve on the Board of the Basic Science Foundation. I am concerned that there might possibly be a conflict of interest. English told me that he does not feel qualified to advise me on this question. I then talked to Paul McDaniel who suggested that I might want to talk with a commissioner (probably Jack Floberg) before accepting this. I understand that Abe Friedman says that my and Al Ghiorso's foreign travel requests (for Moscow in December) have gone to the General Manager's Office for approval.

I then went into Iz Perlman's office for the weekly luncheon meeting of the Nuclear Chemistry staff.

After the meeting I managed to reach Lewis Strauss in New York. He told me that he will be unable to attend the meeting of the Lawrence Memorial Committee on November 6th. He gave me his proxy and mentioned that he would like to contribute to the memorial project himself. He is quite enthusiastic about my idea of establishing a science museum and asked me to keep him informed of our progress.

Shortly after 2 p.m. I returned to my office in 3355 Dwinelle and met with C. W. Brown at 2:30 p.m. We discussed a number of matters related to the Building and Campus Development Committee. Among other things, we conferred about the faculty opposition to building animal quarters in the courtyard of the Life Sciences Building. We decided to poll LSB faculty on two choices: a) building inside the court versus outside of the building, and b) a low building in the court versus a taller building in the court.

Kappa Sigma fraternity has asked for a three to five year extension of their lease on their building on Piedmont Avenue. They were recently sent a new one-year lease and apparently Clark Kerr has asked for my reaction to allowing them a longer lease. I feel that we should not leave this open-ended, that we should make it clear that it will be very difficult for us to extend their lease. We will ask them to describe the procedures which they will use for their building fund drive, to set a time limit in which to complete that fund drive, and to set an approximate time for their removal to their new quarters.

We also talked about the problem of furnishing the Astronomy-Mathematics-Statistics Building. Faculty have volunteered to double-up in offices, which would require the purchase of smaller desks. We do not have funds allocated for equipping offices for more than one-person occupancy. I approved the ordering of the smaller desks anyway, reasoning that this is one way to economize on space usage and that smaller desks can be used in the future for TA's, etc.

At 3:15 p.m. I met with Seymour Harris of Harvard and Harry Wellman in Wellman's office in University Hall. Clark Kerr also joined us for a few minutes. We discussed the origins and composition of the various campuses of the University, our incidental fee structure, out-of-state fees and such other questions as whether we might want to consider raising our incidental fee to support more scholarships for the needy, etc.

Returning to my office at about 4:30 p.m., I dictated some more correspondence to Anna Carol and read several reports. I notice that the Daily Cal carried a report on my speech at the KQED Business Leaders Luncheon last week. It is a rather positive presentation of my ideas for promoting the use of television in education. This week's University Bulletin announced my appointment as Faculty Research Lecturer for the academic year 1958-59. It included a very long article describing my career and listing various honors and awards.

At 9 p.m. I reached Ed Pauley by telephone from my home in Lafayette to ask him if he will be able to attend a meeting of the EOL Memorial Committee. He promised to try to come and will let me know tomorrow whether Thursday or Friday afternoon (November 6th or 7th) would be better for him. He invited Helen and me to come to the Rams-49ers game in Los Angeles on Sunday. (He will be sending his private plane to pick up his daughter, Susan, in any case.)

Tuesday, November 4, 1958

Upon arrival in my Dwinelle Hall office, I dictated a letter to Herve Alphand, Ambassador of France to the United States, expressing my regret that I will be unable to attend a special roundtable discussion on "Man and Scientific Progress" sponsored by the French National Commission for UNESCO. The meeting in Paris is scheduled for November 18th- 21st; it seems to me that the

Glenn Seaborg, Faculty Research Lecturer

The Committee on the Faculty Research Lecture, Berkeley campus, unanimously recommends as Faculty Research Lecturer for the academic year 1958–1959 Glenn Theodore Seaborg, Professor of Chemistry and Chancellor at Berkeley.

Professor Seaborg was born in Ishpeming, Michigan, April 19, 1912. In 1922 his family moved to Southern California where he later enrolled at U.C.L.A. and received his A.B. degree in chemistry in 1934. Even as an undergraduate he was fascinated by the exciting new developments in nuclear physics and he read in this field and took such courses as were presented. In his graduate studies at the University of California at Berkeley he chose for his thesis research to work on the inelastic scattering of neutrons—at that time a strange enterprise for a chemist.

After receiving the Ph.D. degree in 1937, Seaborg was chosen by Gilbert N. Lewis to be his research associate. He spent two fruitful years working with Professor Lewis on the concepts of generalized acids and bases, and this period also saw the beginning of his studies on artificial nuclear transmutation. In 1939 Seaborg was appointed Instructor in the Department of Chemistry and, two years later, Assistant Professor. The war years were highly eventful for him, and at the war's end he returned to Berkeley as Professor of Chemistry and Director of the Chemistry Division of the Radiation Laboratory. In 1954 he was appointed Associate Director of the Radiation Laboratory. His service to the University went beyond the area of science and included his function as Faculty Athletic Representative. In 1958 he was appointed Chancellor of the Berkeley campus.

Work with Isotopes

During the pre-war years Seaborg, with Dr. J. J. Livingood, published almost 30 papers on new radioactive isotopes. Some of these isotopes, such as I^{131} and Fe^{55}, were to assume roles of major importance as chemical tracers and in medical diagnosis and therapy. In the fall of 1940 he began his epoch-making investigations of the transuranium elements. Following the work of Professors E. M. McMillan and P. H. Abelson on the discovery of element 93 (neptunium), Professor Seaborg and co-workers first identified an isotope of element 94 (plutonium), Pu^{238}. By that time the war had started and the potential military importance of this discovery and others which followed made it mandatory that they remain in classified reports until fighting had stopped.

Discovery of Plutonium

In 1941, Seaborg and his co-workers discovered the fissionable isotope of plutonium, Pu^{239}, and undertook an intensive study of the chemical properties of this element. Since it had been decided that the plutonium work of the (as yet unorganized) Manhattan Project would be centered at the University of Chicago, Seaborg, in April, 1942, obtained a leave of absence from the University and, with a small group of co-workers, went to Chicago to take charge of the chemical work for the separation of plutonium. Much of the basic research done in those eventful few years was published after the war in two large volumes, *The Transuranium Elements*, of which he was an editor and co-author.

The war years also saw the development of one of Seaborg's other great talents, that of the organization of large research programs. His prodigious capacity for retaining first-hand knowledge of the research efforts of individuals numbering in the hundreds has resulted in a unique form of direction for a large laboratory. His influence on the whole development of nuclear chemistry in this country has been profound and most of the leading nuclear chemists in this country and abroad trace their training directly to him and his immediate associates.

Seaborg is probably best known for his work on the discovery of transuranium elements. In addition to plutonium (element 94), he and his co-workers are responsible for the discovery of each succeeding new element through element 102. The total body of new findings constitutes one of the milestones in the progress of science. Seaborg is responsible for much of the work on the chemistry and electronic structure of the heavy elements as well as for that on the nuclear properties of their different isotopes. He brought forth the actinide theory of these elements which gives them their proper place in the periodic system as a transition series analogous to the rare-earth elements.

Founding of Modern Nuclear Chemistry

Under Seaborg's leadership whole new bodies of methodology and instrumentation have been pioneered. These practices are the cornerstone of modern nuclear chemistry and include radiochemical techniques, a multitude of specialized radiation-analyzing equipment, ultramicro-chemistry for chemical investigations on minute amounts of synthetic elements, and the methodology associated with transmutations with nuclear reactors and accelerators.

Professor Seaborg's award of the Nobel Prize in Chemistry in 1951 heads the long list of honors that he has received. Among the others are: Harrison Howe Memorial Lecturer at the University of Rochester (1946), William Conger Morgan Memorial Lecturer, U.C.L.A. (1946), Award in Pure Chemistry of the American Chemical Society (1947), Nieuwland Lecturer at the University of Notre Dame (1947), William H. Nichols Medal (1948), John Ericsson Gold Medal of the American Society of Swedish Engineers (1948), University of California Alumni Award (1948), election as a foreign member of the Royal Swedish Academy of Engineering Sciences (1949), Foster Lecturer, University of Buffalo (1951), Fellow of Royal Society of Arts (England, 1951), Phi Lambda Upsilon Lecturer, Ohio State University (1952), John Scott Award and Medal of the City of Philadelphia (1953), Dickson Achievement Award of U.C.L.A. (1953), William Pyle Phillips Lecturer at Haverford College (1953), Centenary Lecturer of The Chemical Society (England, 1956), Perkin Medal by the American Section of the Society of Chemical Industry (1957), E. C. Franklin Memorial Lecturer, University of Kansas (1957), Silliman Lecturer, Yale University (1957), Joseph W. Kennedy Lecturer, Washington University (1958). He was elected to membership in the National Academy of Sciences in 1948, and the American Philosophical Society in 1952.

A number of civic groups have also honored him for his outstanding achievements. In this category of recognition is his selection by the U. S. Junior Chamber of Commerce as one of the "Ten Outstanding Young Men of 1947."

Seaborg has held offices in professional societies and served on a number of important advisory boards. He was appointed by President Truman for the period 1946–1950 to the original General Advisory Committee to the Atomic Energy Commission. He has held a number of offices in the American Chemical Society and was a member of the editorial and advisory boards of several of the Society's journals. Other advisory boards on which he has served include the National Research Council, the national laboratories of the Atomic Energy Commission, and the Department of Defense.

Since his research career began in 1936, his writings have been both voluminous and distinguished. He is an author of about 155 papers in the general subject areas of nuclear chemistry and physics including some major definitive reviews. To date he has been author, co-author, or editor of seven books dealing with various aspects of his fields of specialization.

The Committee holds that Glenn Theodore Seaborg's scientific accomplishments and reputation make him a richly fitted person to deliver the Faculty Research Lecture, and takes great pleasure in moving his election as Faculty Research Lecturer for 1958–1959.

R. T. Birge
M. Calvin
G. C. Evans
W. F. Giauque
E. M. McMillan
Mrs. A. F. Morgan
S. C. Pepper
E. C. Tolman
M. B. Emeneau, Chairman

invitation is rather late, considering that they hope to attract leading scientists from around the world and most of us have very tight schedules.

I also dictated a request to Maynard Morris of the Office of Public Information asking him to publish an announcement in the University Bulletin that in the future requests for permission to use University facilities by outside groups will be approved by Vice Chancellor Hart rather than by the Committee on Drama, Lectures and Music, as in the past. Student requests, of course, will continue to be approved by the Dean of Students.

I read a very interesting status report on proposals for support under the NDEA Act from Errol Mauchlan. It looks like we are moving along on coordinating applications for use of this Act.

Around 10 a.m. I walked over to Alumni House and joined the Conference on Resource Education organized by Starker Leopold (Professor of Forestry). Paul Sears of Yale (and past president of the AAAS) was there and told me that he thinks our committee's (UCB's) plan for an Institute of Natural Resources was the most statesmanlike of all those presented at the conference.

I returned to my office at 10:30 a.m. to hold a Student Office Hour. Three students visited. One of them was a foreign student from Iraq, Ismail Zaki, who is very frustrated because his application to San Francisco Medical School has been turned down without explanation. Alex and I promised to look into the matter because he struck us as so sincere in his interest in learning more about this country and sharing that understanding when he returns home.

The other two students, Tom McNally and Pat Hallinan, came to talk with me about abolishing the distinction between major and minor sports. Hallinan is the President of the Circle C Society (minor sports) and they argued that there is too much emphasis on major sports to the detriment of the University's primary academic function. (Pat is one of several sons of the famous San Francisco liberal attorney, Vincent Hallinan, who have attended or are attending Berkeley; his activism is part of the Hallinan family tradition.)

At noon we held the regular Tuesday lunch meeting of the Chancellor's Cabinet. Present were Fretter, Hart, Malloy, Mauchlan, Sherriffs and Strong. As usual, the meeting served primarily as an opportunity for exchange of information among the staff; a number of announcements were made. We agreed to invite Dan Wilkes to future Cabinet meetings. Since we all recognize that our public relations needs strengthening, it seems useful to have Wilkes present in order to get the proper background for the problems handled by the Chancellor's Office.

I informed the group that I will probably be asked to make a decision on whether the distinction between Big C (major sports) and Circle C (minor sports) should be abolished. The Athletic Advisory Board has unanimously voted against abolishing the distinction. Bill Fretter pointed out that it might be possible for the ASUC to give out a Big C letter for all sports and that the Big C Alumni Association could pick out its own members. He also pointed out that if the goal of the University is to reduce the emphasis on sports, abolishing the distinction of Big C and Circle C would be a means to that end.

Another decision with which I expect to be confronted soon is regarding "No Smoking" in classrooms. I discussed this issue with the staff and they suggested that certain areas (i.e., Hertz Hall, Library) could be designated as "no smoking" areas and the rules rigidly enforced there. Instructors might determine whether or not smoking is to be allowed in other classrooms on an individual basis. I will be interested to learn how other schools handle this problem; the SAC is in the process of gathering material on this.

Sherriffs discussed the work of the Committee on Discrimination. Their plan is to consider the facts this semester and make recommendations to me next year. I asked the staff to make recommendations to me for an alumni representative to serve on that committee.

I also announced that the Rockefeller Foundation has offered $60,000 to develop a program in Hindi to be used as a model for the language program under Title VI of the National Defense Education Act. The Educational Policy Committee is examining the proposal now. We also discussed a great many other issues and projects; our meeting did not finish until 2 p.m., at which time I had to adjourn it because of another appointment.

Bill Fretter and I met with Ernie Engelbert of University Extension. We discussed in very general terms the relationship between this campus and Extension. I gave him my approval to contact our departments and asked him to establish committees or suggest faculty to work with Extension. (We will rely largely on the Wellman committee for further guidance on this in a broad way.) I mentioned the proposal of waiver of fees for faculty and non-faculty academic personnel wishing to take courses through Extension. He will look into this.

Tom Parsons, who works with Burris Cunningham in our Nuclear Chemistry group, came in to see me at 4:15 p.m. to discuss their microchemical research program and his future role in it. Parsons expressed some dissatisfaction about working at the Rad Lab and wanted me to explore the possibility of working on campus. I listened carefully to what he had to say but made no promises.

In the evening I watched the election returns on television. Thank goodness, Proposition #3 (for which I have been campaigning vigorously) appears to have passed. Pat Brown is the new Governor of California.

Wednesday, November 5, 1958

Before the day's program of meetings got started this morning, I seized the opportunity to dictate a number of short letters to Anna Carol. I wrote Ralph Burhoe of the American Academy of Arts and Sciences accepting membership as a Fellow of the Academy. I also wrote to G. N. Flerov and Vitalii Goldanskii expressing an interest in visiting their laboratories (Atomic Energy Institute and P. N. Lebedev Physical Institute, respectively) when I visit Moscow in December. I was interested to read the itinerary prepared by the State Department and the Atomic Energy Commission for the upcoming visit to the United States of Queen Frederika of Greece at the end of this month.

At 9:30 a.m. I met in my office with Bob Kerley, Acting Business Manager. Among other things, we talked at some length about the financial losses of the ASUC. Kerley told me that it will create serious trouble if these losses continue for two more years. (He brought this up as my representative on the

Finance Committee of the ASUC, a brand-new assignment for him.) I am quite concerned about what he has told me and referred the question to Alex Sherriffs for the discussion of his committee. I think it would also make sense to arrange a meeting to discuss this with Bud Hastings and Greg Engelhard, as Bob suggested.

John Lawrence and John Gofman came to see me at 10 a.m. to communicate what they have learned about feelings among Cowell Hospital staff about the selection of a new director for the Student Health Service. They feel that the director should have an understanding of the various areas of research on the Berkeley campus and of the potential relationships of Cowell to the rest of the University. They told me that there is a great deal of concern among medical staff that the new director selected will make radical changes in arrangements at Cowell and wished to emphasize what a fine staff of physicians we have at Cowell. I assured them that I am very aware of the good work done at Cowell, take a great deal of pride in our national standing among student health services, and wish to assure the staff that no drastic changes are contemplated.

We conferred about the possibility of a new building to replace Donner Laboratory. I pointed out the possibility being investigated of locating this and the Calvin lab and Virus and Biochemistry labs at the corner of Hearst and Oxford. They showed some interest in this, but seemed to prefer a location somewhere in Strawberry Canyon, stressing their relationships with the Rad Lab. I asked them to consider asking the National Science Foundation for a building grant. They brought up the possibility of following UCLA's example (where the University funded a building to be repaid over a 20-year period by the AEC on a sort of rental basis). However, I expressed the opinion that complete funding by some group like NSF would have a greater chance of increasing their priority and asked them to get in their request as soon as possible in order to establish a position in the regular University priority listing. Lawrence will presumably discuss this with Wally Reynolds (Business Manager at the Lab) and come up with some sort of recommendation.

I read a copy of a letter Walter Haas wrote to William Wurster regarding the donation of $50,000 for Stern Hall. Walter is rather distressed because the Berkeley Gazette reported that the donation was from him alone and did not mention that it was the idea of his wife, Elise, and is a joint contribution. He does not like the idea that he was given the credit and, as they are associated together in all contributions, he would like the source of the donation to Stern Hall clearly indicated at some time in the future. These matters are a little touchy; we will have to be more careful in the future.

At about 10:20 a.m. Ed Kirwan came in to take my official ASUC photograph. (This portrait will also be used in the student yearbook, The Blue and Gold.) At 10:30 a.m. Colonel Samuel C. Gurney, Jr., an Air Force instructor in ROTC Air Science, joined us to pose for a photograph with me.

At 11:30 a.m. Clark Kerr and I met in his office to discuss a list of 26 items. We talked about the system for assigning priority numbers for building projects. Clark is in favor of the suggestion that we accept funds and execute the construction of a building that is funded extramurally without assigning a campus priority number. He asked that I write a memorandum establishing three priority lists: 1) a regular list for 100% University-funded buildings, 2) a list for partially funded (i.e. 50%) buildings, and 3) a list for buildings completely funded from the outside.

Once again I brought up the question of the possibility of naming new buildings after living persons who are not donors. He told me that he is already reconsidering the matter. He expects it may come up at the November Regents but feels that we should not be too optimistic about our chances of having it approved. Wheeler, Sproul and Warren Halls are all exceptions to this rule and Sproul also broke the rule twice in naming residence halls after Leon Richardson and Lucy Sprague Mitchell.

We also compared notes about the various advantages of locations being considered for future campuses of the University of California (among them, San Jose, Monterey, Corona del Mar and downtown Los Angeles). Although it would certainly be much easier to attract faculty for a campus located in Monterey, on the whole we feel that San Jose might be a better choice.

On the subject of athletics, I told Clark about Norman Topping's interest in calling a meeting of the presidents of the AAWU institutions. I raised the question of the timing of our invitation to the Air Force to join the AAWU. Kerr agreed with me that we might go ahead and do this at the December meeting of the AAWU and that we need not consult Stanford about the move. We talked about the editorial by Dan Endsley in the Stanford alumni magazine which was so critical of me and of the AAWU; I told him that I have made up my mind to write to Wallace Sterling about this very negative attitude.

Kerr confided in me that he is very displeased by the Newman resolution recently adopted by the Academic Senate; he warned me that Frank Kidner and I ought to be prepared to discuss this at the Regents Meeting this month. We also exchanged information about the progress of a number of appointments, transfers of funds and ongoing projects. As usual when we get together, I feel that it was an extraordinarily productive half-hour.

After lunch I walked over to Stephens Union to the North Room (the second floor lounge) for an open meeting with the ASUC Representatives-at-Large. The meeting (from 1:15 p.m. until 2:45 p.m.) was announced as a "new program for improved communications between students, student government and administration". Bill Petrocelli acted as moderator and, among other things, we talked about the discrimination report and the charge to the Chancellor's Committee on Discrimination, recognition of student political parties, and the Graduate School of Education. I am disappointed that very few students came. I did enjoy the opportunity to talk with the 20 or so students that did come, but I feel that there was not sufficient interest demonstrated to justify holding such meetings once a month as we had planned. This will probably turn out to be the one and only meeting of the program.

Returning to my office, I once again plunged into the never-ending pile of papers needing my attention. I signed a memorandum to E. T. Grether (Dean of the School of Business Administration), drawing his attention to a Ford Foundation proposal to support selected faculty members in Business Administration in attending an Institute of Basic Mathematics for Application to Business (to update their knowledge of modern mathematics, statistics and computer techniques) to be held at MIT and Harvard. The Ford Foundation has requested up to five nominations to the Institute and they would also require the University of California to pay one-half of the normal salary for the academic year. I'll be interested to learn Grether's reaction to this proposal and also to understand the mechanism for paying that support.

Today's Daily Cal carried the announcement of our plan to register students by mail beginning next semester. This certainly makes a great deal of sense and should reduce quite substantially the amount of faculty time spent on pre-enrollment. I am sure that the students will be pleased to reduce their hours spent standing in lines.

At 2:45 p.m. the Academic Advisory Committee met in my conference room. Present were: R. G. Bressler, C. W. Brown, W. E. Farnham, J. D. Hart, C. W. Jones, F. L. Kidner, M. Moonitz, M. A. Stewart, and E. W. Strong. In addition, a number of representatives of the College of Engineering attended in order to participate in the discussion of the future enrollments and staff needs of the College. T. D. McCown (Associate Dean of Letters and Science) attended for the first time; he is assuming the duties of the Secretary to the AAC because Dorothy Powell has transferred to the President's Office.

C. W. Brown introduced the discussion by stating that the immediate problem of the Committee on Buildings and Campus Development is to plan Engineering Unit I. However, it is necessary to plan this unit in the context of the plans for the College of Engineering as a whole, since there must be a reasonably firm idea of the eventual size of the departments which will ultimately occupy this unit. Dean O'Brien then described some of the history of the development of the Engineering Academic Plan and accounted for the discrepancies between the College and departmental reports. We agreed that graduate enrollment will probably grow much faster than predicted and that undergraduate increases will not be as rapid as originally thought. After some discussion of student-faculty ratios and ideal class sizes, we determined that very careful attention should be given to limiting undergraduate enrollment here. There are 13 publicly-supported engineering schools in the state and we may be over-expanding our emphasis on undergraduate engineering education. A natural role for the University would be to enhance our Ph.D. programs in engineering rather than competing more with the state colleges in the B.S. programs.

After the representatives from the College of Engineering left the meeting at 4 p.m., we continued the discussion for another 40 minutes. Among the most interesting points made was Frank Kidner's concern that if the University does not establish more engineering programs on other campuses, engineering might overbalance the campuses where it is taught. There are a number of departments which are going up in enrollment much faster than the general campus; perhaps we ought to give some thought to restricting enrollment in areas which are going up too fast. (We decided to put this issue on our agenda for November 26th.) There was some discussion of the eventual size of the Berkeley campus and it was agreed that Berkeley should not take it for granted that the campus must grow to the 35,000 level. Rather, the difficulties and problems that such size would involve should be brought systematically to the attention of the Regents.

After the meeting Frank Kidner and I got together for a few minutes to talk about athletic matters. I informed him of the telegram which Ray Allen sent to Clark Kerr asking for reconsideration of Kerr's decision regarding basketball scheduling. It is apparent that UCLA people are still upset about his choice to allow each school to continue to schedule as planned through 1959-60. I also told him that Clark has agreed that we should ask the Air Force Academy to join the AAWU. Frank told me that he is quite certain that UCLA will agree to this; however, he believes that USC and Washington will probably want to wait until after July 1, 1959 for the joining date. Frank will talk to Jack Gose about this when he visits on his way to the USC game to

sound him out. (Gose is faculty athletic representative for Washington.) We would want to take this up at the meeting of the AAWU which will be held in Pasadena at the same time as the December PCC meeting.

We also talked about the Newman resolution and Clark's warning to me that he (Kidner) and I ought to be prepared to speak to the Regents on the issue at the November meeting. Kidner agrees with Kerr; he does not like the resolution. However, he and I both feel that we ought to defend the faculty's right to pass a resolution if the question comes up before the Regents. We mentioned the presence of news reporters at the meeting of the Academic Senate and decided that in the future the presence of reporters should be brought to the attention of the faculty at meetings. Frank will speak with Tom Cunningham to find out if it would be legal to exclude reporters from the meetings in case it became desirable under extreme circumstances.

At 7:30 p.m., following dinner with a number of the members, I attended a meeting of the Order of the Golden Bear in the Senior Hall next to the Men's Faculty Club. As usual, we talked about a number of issues facing the campus community, including the question of major and minor sports.

Thursday, November 6, 1958

I went directly to the Radiation Laboratory this morning to attend the regular Thursday morning meeting of the Chemistry group. Present were: Abed, Albridge, Alexander, Appelman, Axe, Buddemeier, Cerny, Chesne, Chiao, Chu, Conley, Conway, Crespo, Cunningham, Diamond, Fried, Gordon, Haines, Hall, Harvey, Hoff, Hyde, Jeung, Latimer, Mang, Markowitz, Marshall, McLaughlin, McWhan, Michel, Mollenauer, Morton, Navarro, Parsons, Perlman, Petrakis, Rasmussen, Reeder, Richardson, Shalimoff, Shirley, Sisson, Stephens, Stone, Sweeney (M.), Thomas, Tocher, Unik, Wallmann, Winsberg and Wu.

Appelman reported on a problem that he and McLaughlin have been working on for a year, namely, the determination of some lines in the emission spectrum of astatine. They have produced an estimated 0.4 micrograms of astatine (mass numbers 209, 210 and 211) by bombarding bismuth with helium ions in the 60-Inch Cyclotron, then separating it from the bismuth by a volatilization procedure. When these were placed in a discharge tube, they observed six lines that had been observed in an earlier experiment, which correspond roughly with two groups of ground state-excited transitions predicted with astatine.

Unik reported on his use of a rebuilt beta spectrometer to increase the transmission by a factor of ten, to measure electron-electron coincidences in the decay of Pa^{233}.

Axe reported on his measurements on the absorption spectrum of neptunyl ion in a $RbUO_2(NO_3)_3$ crystal lattice.

After the meeting, I placed a call to AEC Commissioner Jack Floberg to ask him if he knows of any possible objections to my serving on the Advisory Board of the Basic Science Foundation. He indicated that he will talk with John Williams or Paul McDaniel about it and let me know if there are any obstacles. I mentioned that the $2 million for the Chemistry Building addition is still being held up and that feeling here is running pretty high about the delay. We also talked about the upcoming visit of Queen Frederika

of Greece. He told me that he will be accompanying her to Berkeley and that we ought to plan to treat her as a scientist rather than as a visiting head of state.

I also met with Stan Thompson and Iz Perlman to discuss Stan's planned trip to Paris next July and dictated a couple of letters to Eileen Carson.

Just after noon I went down to the International House to meet Helen for the luncheon being given for the National Academy of Sciences members attending the Berkeley meeting. At the luncheon I talked with Bob Brode about the status of Melvin Calvin's proposal for a new laboratory. He doesn't know exactly where that stands now but observed that it will probably come up on the agenda for the December meeting of the National Science Board. I indicated that the cost of the project has probably gone up considerably from the figure I mentioned before but that I would like to think that approval will be based on the principle of the project rather than revolving on the cost. (We could conceivably cut that back if it is absolutely necessary.)

Helen went off to the Main Library to look at a rare books exhibit on the history of science there and I walked with Wendell Stanley to Lewis Hall for the National Academy of Sciences registration. We talked over the continuing space assignment problem between his Virus Laboratory and Snell's Biochemistry Laboratory. He views this as a case for a very simple administrative decision and thinks that it ought to be made by Clark Kerr (because Kerr was involved in the original 1955 agreement which has been the basis for all the trouble). Stanley told me that he would not object to Snell's Biochemistry Building being given higher priority than his (Stanley's) Virus Laboratory and that he would be satisfied with a location near Oxford and Hearst (and believes Snell would be, too).

After visiting with several friends at the registration in Lewis Hall and making certain that everything was going well with the National Academy of Sciences meeting, I walked over to Dwinelle Hall to the Chancellor's Office to take care of a few things there. I wrote to W. O. Milligan (Director of Research for the Welch Foundation) commenting on those projects in my field of expertise that were included in the "Proposals for Renewal of Grants" package he sent me. In addition to recommending the renewal of three grants, I mentioned my hope that we will be able to make progress at the next board meeting on the professorship program, re-emphasizing my interest in changing the program's focus to the recruitment of bright young men with considerable promise who have not yet made their reputations.

I wrote to Clark Kerr endorsing the recommendation of the Committee on Regents' Professorships that C. P. Snow be appointed a Regents' Professor of English for the term of his choice in 1960. Snow seems a very excellent choice to me especially because (as Raymond Sontag, Chairman of the Committee, points out) he is at the height of his career and will stimulate more interest among undergraduates than the usual Regents' Professors who come here only after their active career has ended. It is also true that these appointments have been made most often in the fields of Economics or Business Administration and it seems desirable for the sake of balance to represent the humanities.

I signed a memorandum to all chairmen of departments in science and mathematics and to the University Extension drawing their attention to the National Science Foundation's announcement that they are interested in

supporting programs for research participation for teacher training. Actual laboratory experience will form the basis for these programs, and may be augmented by appropriate seminars or courses on scientific subjects and research techniques, with the objective of improvement of science teaching. It sounds like something well worth pursuing and I asked Bill Fretter to do so.

At 3 p.m. I held a meeting of the Special Committee to Consider an Appropriate Memorial in Honor of Ernest O. Lawrence in my office. Present were: Alfred Loomis, Rowan Gaither, Jr., Gerald Hagar, Edwin Pauley, Donald McLaughlin, Edwin McMillan and Bill Fretter (acting as Secretary). Clark Kerr, Lewis Strauss and Jesse Steinhart complete the committee but were unable to attend this meeting. The first part of the meeting was devoted to the discussion of the nature of memorial we wish. I put forth my suggestion of a science museum modelled along the lines of the Deutsches Museum in Munich or the Chicago Museum of Science and Industry, stressing my desire that the focus would not be on the past but rather on recent developments and science education. We reached agreement that the memorial should be the Ernest O. Lawrence Hall of Nuclear Sciences and a part of the University of California Berkeley campus. (The University would be expected to commit land and maintenance expenses.)

We agreed that the cost of building the project is likely to be at least $2.5 million and that raising this amount of funds is going to be quite a challenge. The Committee authorized me to ask President Kerr to approach the Regents for $25,000 to prepare a prospectus, including preliminary sketches and a brochure for fundraising purposes. I appointed myself, Clark Kerr and Ed McMillan as a sub-committee to supervise the preparation of these preliminary plans. Another sub-committee composed of Rowan Gaither, Alfred Loomis and Ed Pauley (Chairman) was appointed the task of developing policies (and avenues) for fundraising. We talked about the possibilities of support from such groups as the Rockefeller Foundation, the Ford Foundation, the Atomic Energy Commission, the University community, and private corporations. Our meeting adjourned at 4:45 p.m.; I was left with the happy impression that this ball is really rolling now.

At 5 p.m. Helen and I and Ken Pitzer and his wife Jean hosted a reception at the Durant Hotel for National Academy of Sciences delegates and their wives.

After dinner I was heading back to Lewis Hall to attend a committee meeting of the NAS, accompanied by August Berger, when Bill Nierenberg fell into a concealed ditch near the Men's Faculty Club construction site. August and I helped Bill out of the ditch (which is extremely unsafe, poorly lit and inviting accident) and August went with Bill to Cowell Hospital while I continued on to Lewis for the meeting. In the morning I intend to look into the safety precautions at the construction site; improvements must be made immediately, such sloppiness is inexcusable. I am afraid that Bill may have broken his wrist in the accident.

Friday, November 7, 1958

At 9 a.m. I attended the business meeting of the National Academy of Sciences in Room 100, Lewis Hall. A great deal of information about the business activities of the NAS was covered in the meeting. Of special interest to me was a report by President Detlev Bronk on his recent visit to Moscow to discuss arrangements for exchange visits between American and Soviet scientists with President Nesmeyanov of the U.S.S.R. Academy of Sciences. (He

was accompanied by Wallace Brode who is a member of NAS, President of the American Association for the Advancement of Science and Scientific Advisor to the Secretary of State.) They received a most gracious and cordial reception and succeeded in reaching agreement on a draft proposal, with the understanding that it is subject to the approval of the governing bodies of both academies.

Last night the Council approved the draft proposals for the following four kinds of proposals over the next two years: 1) approximately 20 senior scientists to go in each direction for a period of a few weeks each, for the purpose of lecturing, attending seminars, and studying research work in progress; 2) two joint symposia, one to be held in the United States and one in the Soviet Union, on agreed subjects, involving approximately 30 participants each, for a period of four or five days; 3) short-term exchanges of individuals or small groups for periods of perhaps one to six months, to study research work in various fields in detail; and 4) longer-term exchanges of individuals or small groups for periods of several months to a year, to participate in research programs. The Soviet Academy has already specified the fields of its preference for Soviet scientists coming to the United States. President Bronk invited members to submit to the Foreign Secretary their suggestions for our list of fields of preference for Americans visiting the USSR.

After this report it was moved and adopted that the Academy strongly approves of the moves of its officers to strengthen the scientific exchanges between our Academy and the Academy of Sciences of the U.S.S.R. I am very pleased by the enthusiasm for this endeavor which I perceived at the meeting. The meeting ended at 10:30 a.m.- which was very good timing for me as I was due at the All-University meeting at 11 a.m.

I walked over to Dwinelle Plaza and joined Clark Kerr and chancellors and provosts from the other campuses on the stage. The All-University weekend which is being held on the Berkeley campus today and tomorrow is intended to demonstrate the unity of spirit of the University of California's eight campuses. Yesterday's Daily Cal predicted that 5,500 students from the other seven campuses might attend the activities. Describing the problems of the chancellorship (from personal experience), Clark Kerr summed them up cleverly as "sex for the students, athletics for the alumni and parking for the faculty". He then introduced me and I said,

> "I am delighted to welcome all of you to the Berkeley campus for this All-University weekend, and to extend a special greeting to the Bruins. As President Kerr has indicated, I am a two-campus product myself, being an alumnus of both UCLA and Berkeley. This gives a kind of divided loyalty for the game tomorrow (between UCB and UCLA). However, I might serve notice that the Bears have very definite ideas about the game, and no divided loyalty at all, and that they are planning to go to considerable effort to put their ideas into practice."

This drew quite a laugh from the crowd. President Kerr then introduced each of the provosts and chancellors and the student body presidents of each campus. He also introduced the head yell leaders as a group and they led the audience in the California Spell Yell. The meeting concluded just after noon with the singing of "Hail to California".

All-University Meeting, November 7, 1958
GTS and Clark Kerr

Clark Kerr and I walked together to the Senior Women's Hall for the luncheon for the California Club (the inter-campus organization which sponsors the All-U weekend). He told me that he definitely wants me to participate in the dedication of the Strawberry Canyon Recreation Area. He would like the dedication ceremonies to be held after the Big Game even though the project won't be completely finished by then. If that is not possible, it will have to wait until February when Kerr returns from India.

Clark also told me that there has been some trouble about getting the money for the renovation of University House (Jim Corley is not cooperating). Clark raised the question of the Seaborgs moving into University House. Before I had a chance to respond, we were interrupted so we will have to talk about this at our next meeting. I feel that my reasons for wanting my family of young children to remain at our home in Lafayette are sound and sincerely hope that this does not become an issue.

At 2 p.m. I attended the first E. O. Lawrence Memorial Lecture in Room 100, Lewis Hall. Bill Nierenberg (with his wrist in a cast from his fall last night) spoke on "Atomic Beam Research in Radioactive Atoms". Bill has been doing his research in collaboration with our Nuclear Chemistry group at the Radiation Laboratory.

After the lecture, I finally dropped by the Chancellor's Office to take care of some correspondence and pressing business there. I wrote a letter of recommendation for Judith Perlman (Iz's daughter and, of course, our neighbor) to the University of New Mexico where she hopes to study archeology.

I also dictated a memo to Bill Stricklin, acknowledging his letter to me of October 22nd, which urged that the University undertake to change the sections of State Law 1944 prohibiting the employment of foreign students, and

expressing my feeling that members of the University Administration are "acutely aware of the importance of this matter and shall continue our best efforts to achieve the results which all of us desire."

I wrote to Clark Kerr (as we agreed yesterday) asking that we change the system of assigning priority to campus building projects so that we may recognize the distinctions between all-University-funded projects, partially University-funded projects, and extramurally-funded projects. Under separate cover I wrote to him seeking approval for the Department of Music to establish a system of deposits and fines covering musical instruments loaned to students.

In a letter to V. I. Spitsyn (Director of the Institute of Physical Chemistry at Moscow University) I confirmed my plans to visit Russia in December and expressed my continuing interest in meeting with him and Rector Ivan Petrovski of Moscow University to discuss possible cooperative programs between our universities at that time.

I note that my article on Ernest Lawrence was published in the issue of Science of today's date and attach it.

At 6:30 p.m. Helen and I attended the cocktail reception hosted by President and Mrs. Detlev Bronk of the National Academy of Sciences at the Hotel Claremont. The reception was followed by a dinner at the Claremont at which I spoke for a few minutes on the role of the University of California (tracing its historical development, describing its relationship to junior colleges and state colleges and making a few predictions for the future development of other campuses and greater emphasis on professional programs, etc.). I also tried to emphasize my determination to continue my scientific work, citing Clark Kerr's example in combining administrative work with active scholarship. Clark announced that the University of California Radiation Laboratory is being renamed the E. O. Lawrence Radiation Laboratory in Ernest's honor.

Saturday, November 8, 1958

Between the All-University weekend and the meeting of the National Academy of Sciences on our campus, this weekend is going to be an extremely busy one. Helen and I began our day at 8:30 a.m. at the annual breakfast meeting of the California Club in the Sunlight Room of the cafeteria on campus. The program in honor of Clark Kerr also included the presentation of keys to new members of the Club and the introduction of the chancellors and provosts from each campus.

I then hurried up to the Radiation Laboratory to join the NAS symposium chaired by Ed McMillan in the Building 50 Auditorium. My speech on "Recent Work with the Transuranium Elements" was the last on the program for the morning, following Edward Lofgren on "The Bevatron", Luis Alvarez on "Experiments in High Energy Physics", Geoffrey Chew on "Forces between Nucleons and Antinucleons", and Iz Perlman on "Nuclear Spectroscopy". In addition to the more technical material I covered for the Academy members attending, I also reported on Al Ghiorso's and my plans to visit Moscow in December to pursue the proposal of increased collaboration with Russian scientists. I described the history of Element 102 and my conversation with Flerov at the Geneva conference about the interest of the Russians in participating in the naming of that element. As I said, "This caught my

Reprinted from SCIENCE, November 7, 1958, Vol. 128, No. 3332, pages 1123–1124.

E. O. Lawrence—Physicist, Engineer, Statesman of Science

Ernest Orlando Lawrence's scientific accomplishments and influence on science are almost unique in this generation and rank among the most outstanding in history. His cyclotron is to nuclear science what Galileo's telescope was to astronomy. A foremost symbol of the rise of indigenous American science in the 20th century, Lawrence, perhaps more than any other man, brought engineering to the laboratory, to the great benefit of scientific progress. He originated a new pattern of research, of the group type and on the grand scale, which has been emulated the world over. Rarely, if ever, has any person given so many others, in such a small span of years, the opportunity to make careers for themselves in science. Lawrence was a leader in bringing the daring of science to technology, in wedding science to the general welfare, and in integrating science into national policy.

Lawrence was born between two pioneering eras, on 8 August 1901, in the small town of Canton, South Dakota, on the Big Sioux River—the second-generation product of educated Norwegian immigrants. When Lawrence was born, the echoes of the taming of the Great Plains had hardly died away. From this pioneering heritage and through some biogenetic conjugation still beyond the grasp of science, Lawrence derived qualities that uniquely fitted him for grand explorations in the nascent science of the 20th century. Lawrence was a big, robust son of his Norwegian forebears, with virtually unlimited energy, which he expended without reserve in long hours in the laboratory, in consultation with colleagues, in planning new projects, and in the taxing airplane trips and conferences important to national policy. He was characterized by boldness, enterprise, innate modesty, and an open, friendly spirit. His *joie de vivre* and his buoyant optimism spread to everyone around him and accounted for the attainment of many an "impossible" objective.

Lawrence attended the public schools of Canton and Pierre, South Dakota. He began college work at St. Olaf's College, in Northfield, Minnesota, and went on to the University of South Dakota for his B.S. degree. Inspired by South Dakota's Dean, Lewis E. Akeley, he entered the University of Minnesota to study physics and obtained the M.A. For two years he studied at the University of Chicago, transferring to Yale, where he received the Ph.D. in 1925. After three more years at Yale, as a National Research Fellow and as an assistant professor of physics, Lawrence (already a promising young physicist) came to the University of California in 1928 as an associate professor. In 1930, at the age of 29, he became the youngest full professor on the Berkeley faculty.

Lawrence's reputation of the late 1920's was solidly based. His doctor's thesis was in photoelectricity. Later, he made the most precise determination, to that time, of the ionization potential of the mercury atom. With J. W. Beams he devised a method of obtaining time intervals as small as three billionths of a second, and he applied this technique to study the early stages of electric spark discharge. He originated a new and more precise method for measuring e/m which was perfected by F. G. Dunnington.

In 1929 young Lawrence, who for some time had been contemplating the problem of accelerating ions, chanced, while scanning the literature, upon a sketch in a German publication. He forthwith formulated, within minutes, the principles of the cyclotron and the linear accelerator and so set himself upon a course that was to influence, fundamentally, scientific research and human events.

Between the brilliant, simple concept and operating machines lay engineering barriers not previously encountered. Lawrence's willingness to tackle new engineering problems and his success in solving them, as he reached for successively new energy ranges, was a departure in scientific research that is an important part of his contribution. The hard road he chose was recognized when W. D. Coolidge, presenting the National Academy of Science's valued Comstock Prize in 1937, said in part, "Dr. Lawrence envisioned a radically different course . . . [which] called for boldness and faith and persistence to a degree rarely matched." By 1936 the scale of research and supporting engineering development was so large that the Radiation Laboratory was created at the University of California to satisfy the administrative requirements. The prototype of the big laboratory had been born.

The range of contributions that have flowed from Lawrence's invention and his leadership are evident from some important examples: world leadership, for more than a quarter of a century, in the development and use of high-energy accelerators; the discovery of hundreds of radioactive isotopes, such as carbon-14,

iodine-131, tritium, and uranium-233; the discovery of 12 (two with the collaboration of other laboratories) out of 14 of the synthetic elements, including plutonium, the atomic energy fuel; the first laboratory production and study of mesons; the discovery of antiparticles; pioneering tracer experiments with radioactive isotopes; the initiation of treatment of human disease with radioactive isotopes and with heavy particles from cyclotrons.

A fundamental factor in such achievements was Lawrence's character and energy. He had the vision to glimpse the limitless nature of the horizon and the generosity to make room for others. His personal credo was, "There is enough research for all of us to do." He interceded, with his rare persuasiveness, to create new facilities for worthy projects. He rejoiced as jubilantly in the success of others as in his own. As a result, the careers of many scientists, my own included, are founded on his large contributions and his generous nature. Indeed, so great was the opportunity he created that he was influential in the training of a significant portion of the present corps of nuclear scientists.

From the beginning, the Radiation Laboratory attracted scientists from all over the world, and it has been an international center of nuclear and biological research. When radioisotopes were first being produced in quantities large enough for tracer studies, Lawrence characteristically shipped part of the supply of radiophosphorus to Belgium for the use of G. Hevesy, who had initiated tracer studies with lead in the 1920's. Thereafter, radioisotopes were shipped to many individuals and laboratories abroad.

Lawrence's catholic interests made him a dedicated disciple of the new concept of interdisciplinary collaboration, and nowhere did such research flourish more than in his laboratory. In the early 1930's he personally initiated and carried through the construction, at the University of California Medical Center in San Francisco, of one of the earliest million-volt x-ray machines—the tube suggested by David Sloan. He strongly encouraged physicists to work with biologists. He set up his own radioisotope distribution system, supplying isotopes to hundreds of doctors and numerous institutions in the prewar period.

Ernest Orlando Lawrence

Lawrence helped bring big science to government. His contributions were crucial to the success of the Manhattan Project. He was instrumental in organizing the Los Alamos Scientific Laboratory. In the postwar period Lawrence continued to influence national policy decisions, advocating accelerated development of thermonuclear weapons and insisting that America maintain her nuclear strength in the absence of adequate safeguards. The Livermore Laboratory is one consequence of this view.

Lawrence's uncompromising conviction that free institutions must be protected, through strength, against tyrannies was accompanied by an optimistic hope that peace could be made permanent. His trip to Geneva last July to take part in developing an agreement on means for detecting nuclear weapon tests was one of many expressions of this optimism and of his deep devotion to duty. The pressures of the deliberations apparently precipitated Lawrence's final illness, forced him to leave Geneva in the midst of negotiations, and brought his career to a premature end in Palo Alto, California, on 27 August 1958. Literally, Ernest Lawrence gave his life for peace.

Lawrence was honored in full measure. The awards to him included the Nobel Prize for 1939, the Hughes Medal of the Royal Society, the Medal for Merit, the Faraday Medal, the American Cancer Society Medal, the Enrico Fermi Award, and the first Sylvanus Thayer Award. He was a member of such learned societies as the National Academy of Sciences and the American Philosophical Society and recipient of many honorary degrees and memberships in foreign societies.

To his large and handsome family, Lawrence gave devotion and a full measure of his cheerful spirit—to Mary Blumer, his wife, and to his children John Eric, Margaret Bradley, Mary Kimberly, Robert Don, Barbara Hundale, and Susan. With his brother, John Hundale, who came to Berkeley in 1935 to pioneer in the use of the products of the cyclotrons, Ernest maintained an affectionate camaraderie.

In speaking of Lawrence's own work, the research that radiated from it, and his influence upon his time, one is not merely tempted but, rather, compelled to use the superlative. One effort to assess the work of the man who, throughout his life, remained very much an uncomplicated son of the Great Plains was made in the citation of the Research Corporation's Scientific Award of 1937, which read in part: "Ernest Orlando Lawrence has made accessible a new world within the nucleus . . . is a vigorous and inspired pioneer in its exploration . . . [has opened] vast new areas of knowledge. . . . His achievements stand with the great work of the ages."

GLENN T. SEABORG
University of California, Berkeley

fancy very much not only as a means of bettering international relations but to speed up our work." I told them that one of the reasons why U.S.-USSR cooperation appeals to me so much is that future progress in transuranium elements depends on the use of the high neutron flux reactor and we have no such machine but the Russians are building one. To underline my point I stated that "If we don't get busy, all the new elements will begin to have Russian names." From various remarks after I finished speaking, I gather that there was considerable interest in my proposal.

The symposium adjourned at about 12:30 p.m. and we all went to the UCRL Cafeteria for a buffet lunch. I took advantage of the opportunity to speak with several people at lunch about our real need for a high flux reactor.

At 2 p.m. I met Helen at Memorial Stadium to watch our football team play UCLA's. During the half-time ceremonies all of the chancellors and provosts met President Kerr at the south tunnel and we walked as a group to the center of the field. Clark introduced each of us in turn and then presented awards to the All-University athletes. Don Bowden (the only American to break the four-minute mile) was named "UC Athlete of the Year". UCLA's Student Body President Rafer Johnson, the world decathalon champion, joined Clark and me in presenting the award. The game was an exciting one, ending in our favor with a score of 20-17.

After the game Clark Kerr, Ray Allen, Brad Booth and Frank Kidner and I got together briefly to try to iron out the misunderstandings about basketball scheduling between UCB and UCLA. The Intercollegiate Athletic Advisory Council met in Tom Cunningham's office yesterday to work out a draft for a directive on this subject to be issued by the President's Office. The draft said:

> "In the course of making out the basketball schedule for 1959-60, the University of California will have a unified policy, both Berkeley and UCLA to play said [referring to Oregon, Oregon State and Washington State] institutions or both to play none of these."

However, in the meantime, UCLA has changed its mind and would rather have the schedules for 1959-60 determined by local autonomy. Clark agreed to this and Brad Booth committed to re-writing the directive and sending it up to Berkeley for Kerr's approval. The directive will also state that we are interpreting the Regents' resolution of December 13, 1957 to apply to basketball and football only.

We stopped by an Open House at Bowles Hall for a few minutes and then went on to a cocktail party at the home of Bud Hastings at 2948 Ashby Avenue in Berkeley.

Arriving home in Lafayette just after 7:30 p.m., we were able to listen to most of the broadcast of the radio program I taped on October 21st with Charles Shaw for KNBC's "Scientists and Technologists".

Sunday, November 9, 1958

Today's San Francisco Examiner carried a report on my speech at the NAS symposium yesterday by William Boquist which included the news of my plans to visit Moscow. Quite early in the morning I called Dan Wilkes and read the

Boquist article to him so that he might inform the Daily Cal immediately. (Up until this point, we have "kept the lid on" these plans waiting for further developments; however, now it seems to be in our best interest to give the news to the Daily Cal.)

I also read some correspondence. Milt Chernin submitted a handwritten progress report on the proposal to give back to the City of Berkeley a part of Telegraph Avenue immediately north of Bancroft Way in order to improve that corner as a substitute for Sather Gate (and its "Hyde Park traditions"). According to Chernin, this solution to our problem does not appear to be very feasible. He states that "real design problems exist at the corner of Bancroft and Telegraph". However, he will continue to investigate the idea and noted that he has an appointment tomorrow morning with Vernon DeMars (architect) to look at a model for the Student Center and discuss the possibilities for altering the corner design.

Charles Aikin, Chairman of the Department of Political Science, sent me a copy of a letter he received from W. E. Weld, Jr. (cultural attaché at the United States Information Service in Paris) exploring the possibility of the University of California affiliating itself with a proposed Institute of American Studies in Paris. The institute would be an establishment teaching courses in English language, literature, history, geography and government not treated elsewhere in the French educational system. He believes that an affiliation with the institute would imply advice on curriculum, supplying a certain number of professors per year and possibly an exchange of research scholars. Aikin believes that this may be of considerable importance to the University and notes that he has discussed it with a number of French scholars "whose cooperation we would need if the Institute proved to be a success and not some sort of propaganda device." I plan to discuss this further with him when he and I meet with Dean Lincoln Constance on the 18th of this month.

I also read a letter from Jack Cain (an alumnus) in defense of Herm Weiner. He writes,

> "The fact that Herm should be censured because of the charges of an emotionally disturbed coach, a vicious, conniving, unscrupulous sports writer, and a Junior College athlete (who had been illegally transported to the Berkeley campus by the UCLA Athletic Department) is an injustice of the greatest moment... The injustice by itself concerns me deeply, but of even more concern is the effect that such a censure would have on the other loyal Californians who are supporting the cause of the University or those who might be encouraged to do so in the future. I am sure that their spirit and ardor would be dampened considerably, if not completely quenched. It is only with the cooperation of men such as Herman Weiner that American universities will solve the problems facing their athletic programs today."

This is an eloquent argument; however, of greater interest to me was Mr. Cain's statement that he spoke with Weiner the day after the problem conversation with Dean Moore and that Weiner's story has not changed one iota since then. Cain expresses his unqualified confidence in Weiner's veracity and "high moral character". I do hope that we clear this matter up soon.

With considerable amusement, I read an item from "Personals by Petersen" in the ACS California Section publication, Vortex. Petersen tells the story of stopping at a gas station in Ishpeming and asking if by any chance any of my

family were still living there. The attendant answered his inquiry, "Oh, yes, he came from here and is real famous. They had a testimonial dinner for him here in town a few years ago. He was awarded a noble prize."

At 7 p.m. Helen and I went to dinner at Ed and Elsie McMillans' home at 150 Purdue Avenue in Berkeley.

Monday, November 10, 1958

When I arrived at my office in Dwinelle Hall this morning, I was distressed to learn that Hans Wolff, Professor of German, committed suicide last night. I understand that he was suffering from cancer of the colon and wrote a note that he could not stand the pain any longer. The staff of the Chancellor's Office were particularly saddened by this tragedy as they all liked Professor Wolff and remarked that only last Friday they watched him being greeted by his faithful dog on the Dwinelle steps and commented on how the dog always followed him around. Campus flags have been ordered lowered to half mast.

Before leaving for my appointments in San Francisco, I dictated a couple of letters to Anna Carol. I wrote to Thomas McConnell (Chairman of the Center for the Study of Higher Education) thanking him for the progress report on the Center and asking for information on the extent to which members of the faculty have become active participants in its projects. Although when it was established it was anticipated that faculty from various departments on campus would become involved in the Center's research, it appears from his report that this has not materialized.

I also wrote to John Phillips (Berkeley City Manager) informing him of the steps that have been taken to assure that University-owned properties on the south campus are maintained until their scheduled demolition in 1959. (We have arranged a monthly schedule of clean-ups.)

In a memo to Clark Kerr I recommended the naming of the Men's Gymnasium in honor of Albion K. P. Harmon and the Student Center Cafeteria in honor of Walter M. Christie. (This will probably be considered by the Regents at their December meeting.)

At about 9:20 a.m. a University car picked me up to take me to the Sheraton Palace Hotel in San Francisco to record an interview with Hale Sparks on "Harnessing Brainpower" for the "University Explorer" at the KCBS studio. We talked about the pressing need to improve math and science education in order to adequately train young people to solve difficult technical problems and allow us to maintain our high standard of living and leadership in world technological innovations. I also had a chance to put in a plug for using new media like television creatively in education.

After the taping I met Ted Sherburne and Edgar Willis (Program Associate for the Educational Radio and Television Center in Ann Arbor, Michigan) in the lobby of the Sheraton Palace for a brief conference. I gave Willis some background on the plans for the Century 21 Exposition in Seattle and we discussed the possibility of the Center becoming involved in some way. Regarding suggestions for my replacement as their scientific consultant at the Educational Radio and Television Center, I mentioned Robley Williams as my first choice and Art Campbell of Harvey Mudd College as my second. I asked Ted Sherburne to send me short summaries of three or four TV projects that our

faculty have shown some interest in undertaking that I might use in a short presentation to the Chancellor's Advisory Administrative Committee (CAAC).

At noon I attended a luncheon in honor of my friend Edgar Carlson (President of Gustavus Adolphus College) at the Commercial Club at 465 California Street. A number of people active in the Swedish-American community here turned out for the occasion, including Swedish Consul Hedstrom, Icelandic Consul Thorlaksson and Carl Swenson (President of the Swedish Patriotic Club). Hugo Carlson (Vice President for Development at Gustavus Adolphus) accompanied Edgar. Eric Bellquist helped me to represent the University of California and we rode back together in the University car.

When I arrived back at my office, I had a chance to study the recent directive of President Kerr regarding the policy for the appointment and review of deans and department chairmen. It essentially follows the outline of the policy agreed upon by the Council of Chief Campus Officers. As early as the fifth year of service of a dean and no later than the seventh year of service, the chief campus officer will request a review of the accomplishments of the dean by an advisory committee of the Academic Senate (after consultation with the Committee on Committees). The report of the advisory committee will be forwarded to the President with the recommendation of the chief campus officer and final action will be taken by the Regents on recommendation of the President. Chairmen of departments will be appointed for three to five years by the chief campus officer and will be reappointed only after consultation by the appointing officer with the appropriate Academic Senate Committee on Budget and Interdepartmental Relations. The directive offers no surprises but certainly serves to clarify the policy and procedures for appointments and re-appointments.

At around 3 p.m. Charles Odegaard (President of the University of Washington) called to invite me to the UCB-Washington football game in Seattle on Saturday. I declined regretfully, leaving open the possibility that I may change my mind. He wanted to be sure that the invitation will be extended to Clark Kerr, too. He also inquired whether or not I have heard anything from Stanford recently about their intentions regarding the AAWU. I told him that I have not, that I believe that we have made enough overtures to them, and that I intend to wait for Stanford to take the initiative now. He indicated to me that representatives of the University of Washington feel that we have made more than enough overtures to Stanford.

The University Affairs Committee met in the Chancellor's Conference Room at 4 p.m. Present were four student representatives (Bill Stricklin was home sick) and Bob Kerley, Bill Shepard and Katharine Towle. The subject of today's meeting was the participation of graduate students in the ASUC. It has been proposed that we might wish to open up more graduate representative positions on the ASUC Executive Committee. However, on the whole, the group agreed that most graduate students are not interested in participating in ASUC activities and that there may be a need to develop a separate organization for graduate students. The question was raised if graduate students are getting less return for their student activity fee. Those present agreed that graduate students are probably getting less benefit for their $6 than more activity-wise undergraduates but the feeling was that they still get good value in use of ASUC facilities, access to special presentations/ speakers, etc. We came up with the following proposal for the allocation of next fall's fees: $6 for the Student Union, $4.50 as an activities fee and $1 for the Daily Californian--for a total of $11.50.

After the meeting I called T. C. Holy of the Joint Staff of the Liaison Committee to let him know that I will accept appointment to the Technical Advisory Committee by Clark Kerr. This committee is composed of three representatives of the University (appointed by the President) and four representatives of institutions under the State Board of Education, divided evenly between the state colleges and junior colleges. I told Holy that I will not be able to attend their December meeting (They only meet once or twice a year so this is unfortunate) but that I will ask Jim Hart to represent me.

At 6 p.m. Helen and I went to dinner at the Kerrs in honor of C. Northcote Parkinson. Confidentially, Clark told me that he has received a call from Mike O'Brien (as promised by this date to let us know his decision about retirement) and that O'Brien made some demands for expanded power for the Engineering Coordinating Council. Clark repeated the conditions which he has laid out for O'Brien at their meeting on October 22nd and refused to make any changes. Apparently O'Brien later called his secretary and asked her to replay the message that "It's all off." to the President's Office. I can only guess that this message was intended to communicate that O'Brien has elected to retire rather than continue as a professor. Clark wishes to make certain what O'Brien's intentions are before acting on retirement; however, he will go ahead with the termination of O'Brien's deanship at the November Regents Meeting.

After dinner we all returned to the campus to attend Parkinson's lecture at Wheeler Auditorium at 8:15 p.m. Parkinson is Raffles Professor of History at the University of Malaya and author of the well-known "Parkinson's Law". His lecture, part of the popular McEnerney Lecture Series, was very amusing. He described the dynamics and effects of "Parkinson's Law" which states that "work expands to fill the time available for its completion" and gave numerous examples of how terribly true that is.

Tuesday, November 11, 1958

This morning was a rare free morning without appointments in the Chancellor's Office which afforded me the opportunity to catch up on correspondence, etc. I wrote a letter to Wally Sterling regarding the Endsley editorial in the Stanford Review, remarking tersely,

> "Although I have heard more criticism from our alumni than I have liked to hear concerning Stanford's position, I feel confident that no similar editorials will appear in the California Monthly."

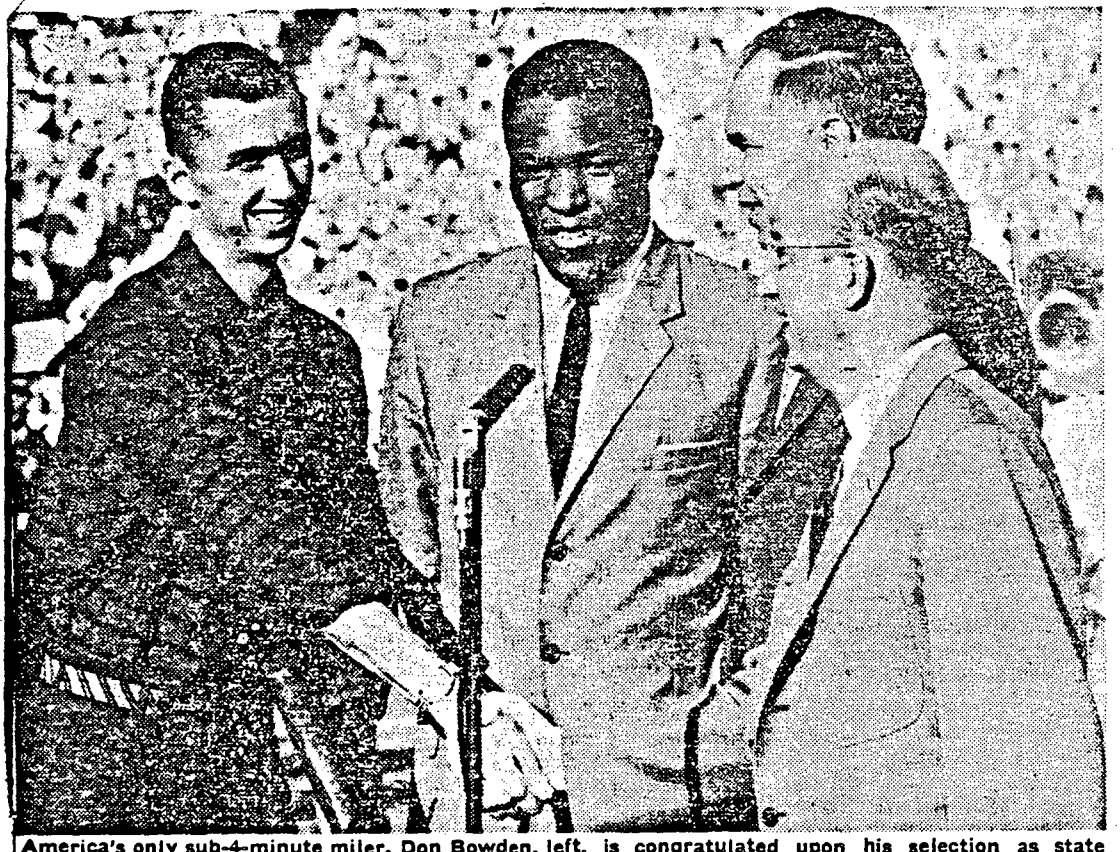
I must admit, it gave me some satisfaction to register my complaint.

I signed three significant memoranda to Clark Kerr. The first forwarded a copy of the instrument of reorganization agreed upon at the College of Engineering. The administrative structure now proposed includes seven departments created from units presently designated as divisions, and of these, the departments of Mechanical and Civil Engineering will each include three divisions. I noted also that we are transmitting the relevant Change of Status and Transfer of Funds forms necessary to implement the reorganization, commenting that although I know that the Budget Office would have preferred an effective date of July 1, 1959, "I believe the administrative and academic

BERKELEY GAZETTE

November 10, 1958

UC Has the Greatest, All Right



America's only sub-4-minute miler, Don Bowden, left, is congratulated upon his selection as state universities' athlete of the past school year by the new UC president, Clark Kerr, right. The '58 Bear track captain, who goes into the service this Winter and naturally is pointing for the 1960 Olympics, was presented the award at halftime of the Bear-Bruin football clash by UCLA's Rafer Johnson, middle, the world decathlon champion who earned the trophy the previous year. Also elated at popular Don's honoring is the noted scientist, Dr. Glenn Seaborg, behind President Kerr, who recently stepped out of Cal's faculty athletic representative position.—Paul Matheson photo

considerations underlying the proposal to be so compelling as to make necessary the earlier effective date of July 1, 1958."

The second memo to Kerr concerned the potential need of the Berkeley campus for the 68 acres of land east of the Berkeley Schools for the Blind and Deaf. I understand that the State Department of Finance recently enquired concerning the University's interest in this land and that if the Regents took some positive action in this regard, it might be possible to petition the State to transfer the property to the Regents without cost. Given the shortage of funds for land acquisition, it seems in our best interest to move on this suggestion as soon as possible. I, therefore, wrote to inform the President that I am asking the Buildings and Campus Development Committee to develop information on the need for the land by the Berkeley campus and to forward a recommendation to me for consideration by the Campus Planning Committee.

The third memo of the morning to Kerr was about my special "pet project", the Ernest O. Lawrence Memorial. I sent him copies of the minutes of the meeting of the committee and requested that he ask the Board of Regents at their next meeting:

> "to advance $25,000 to finance the preparation of the proposal for the project, including...consultants...architects...preliminary sketches...brochure..., such money to be returned to The Regents as funds for the project become available."

I read an interesting letter from Charles Kittel of Physics, expressing his opinion of the proposal that we raise the enrollment ceiling on the Berkeley campus from 25,000 to 35,000, with an emphasis on graduate enrollment. Kittel says that the Physics Department interprets this to mean that they would have a faculty of about 110 FTE's and 700-800 graduate students. He gives several sound reasons why he feels that this would have "severely adverse effects on the quality, character, morale, and structure of the department." Among those reasons are decreased attention to the individual graduate student, demands on time of senior faculty ("It would not take much more administrative load on the academic staff to turn the non-Radiation Laboratory part of the Physics Department into a second-rate research institution.") and the "inevitable divisional structure [which] would break up the remarkable unity of several active fields of modern physics in a single department with a single high quality basic educational program". He suggests that we should concentrate on building the Physics Department at UCLA to first-class status in order to relieve the pressure at Berkeley.

An interesting memo from T. C. Holy addressed to me, Chancellors Allen and Freeborn, points out that estimates of enrollment in California institutions of higher education for 1970 are double the present enrollment figure. Such a rapid increase in enrollment will, of course, require that we double teaching staff accordingly and, according to Holy, the present rate of awards of doctoral degrees will not support this increase in a timely fashion. He emphasizes that pressures are building up to have the existing agreement between the Regents and the State Board of Education, which reserves to the University of California the exclusive right to award doctoral degrees among publicly supported institutions, abrogated. We must step up our output of doctorates to meet the estimated needs of higher education if we are to retain that exclusive right. Certainly, there is a lot of concern among faculty that state colleges may be granted that right.

At noon the Chancellor's Cabinet met for our regular Tuesday conference. Present were Milt Chernin, Bill Fretter, Kitty Malloy, Errol Mauchlan, Alex Sherriffs and Ed Strong. We discussed Mike O'Brien's retirement as Dean of the College of Engineering (which will be processed at the November Regents Meeting) and the procedure for selecting his replacement. Strong and Fretter will draft a letter to the Committee on Committees requesting a panel of names from which I may select a committee to recommend a new dean. I will also meet with Ray Bressler to discuss this.

Errol Mauchlan reported that there will be very little money for larger universities under Title IV (Graduate Fellowships) of the NDEA. Ted Sherburne is revising his recommendations on Title VII (television) since he has learned from Washington that research is being more heavily emphasized than indicated in any of our proposals. We talked about the importance of having our Berkeley campus representative in Washington; Mauchlan will telephone Jack Oswald in the President's Office to discuss this and suggest Bob Brode as a possibility.

Regarding the proposal to give back University property to the City of Berkeley for the "Sather Gate tradition", Milt Chernin committed to obtaining diagrams of the area affected for presentation at the next Cabinet meeting. We realize that the Regents would need to act on any proposal for the City of Berkeley to take back property from the University.

Hurford Stone is retiring on June 30, 1959 and we decided that we need to establish a committee to organize an appropriate celebration. We also discussed a number of other projects; I am convinced that these regular meetings are extremely valuable to staff for the exchange of information and always feel that we get a great deal accomplished in the short amount of time allotted.

After the meeting I mentioned in passing to Bill Fretter that I would like to see the University commission a biography of Ernest Lawrence and also that I think we ought to think about adding Charles Thomas of Monsanto Corporation to the EOL Memorial Committee. I also asked Bill to remind Ed McMillan that he and I promised to prepare a list of possible donors to the project from industry. I am very anxious to get going on Ernest's memorial. If the Regents approve the development money ($25,000), I would like us to be very well-organized for our fundraising efforts as soon as the plans and brochure are ready.

General Counsel Tom Cunningham telephoned at 2:20 p.m. He told me that he now believes that Pauley's idea of the Regents approving hiring of coaches may be all right. This will come up when Clark Kerr gives the Rules and Regulations of the Intercollegiate Athletic Advisory Board to the Regents Educational Policy Committee at the November meeting. I told Tom about the conversation after the game last Saturday (with Kerr, Allen, Booth and Kidner). He is sending over a draft memo to which he could like my immediate reaction.

C. W. Brown came in to confer with me before our meeting with Nello Pace at about 2:45 p.m. We quickly went over a number of items pending in the business of the Buildings and Campus Development Committee. Among them were the poll being taken among Life Sciences Building faculty on the location of the Animal Quarters Building and the changes necessary in priority numbers for Major Capital Improvements Projects in order to get a new building high enough on the list to qualify for funding for preliminary planning by 1959-60. (I

authorized him to submit the necessary documents directly to Vice President Harry Wellman or the statewide planners.) We also decided on the reorganization of the television committees into one committee. (Kerr had inadvertently duplicated the assignment of the Chancellor's Advisory Committee when he appointed another committee on television as a subcommittee of the BCD in August of this year.)

At 3 p.m. Nello Pace joined us to talk about the status of the White Mountain Research Laboratory. He told us that no advisory committee has been appointed, so technically there is no administration now. They really need an officially designated administrative channel. The question of whether they are to become a Berkeley campus operation or remain under statewide administration has not been resolved yet. We also discussed the Environmental Physiology Facility which has been planned as an adjunct to the Department of Physiology. A preliminary approach was made to the National Science Foundation for funding in the amount of $2.85 million. However, despite the fact that the report from the Educational Policy Committee of the Northern Section of the Academic Senate was apparently favorable, it appears that this proposal has never made it through the administrative channels of the Academic Senate. We talked about the possibility of building a much cheaper, temporary building in Strawberry Canyon if the NSF support does not materialize to the full $2.85 million level. It's possible that NSF might provide $50,000 at a time for a facility somewhere near the space sciences institute.

Wednesday, November 12, 1958

I attended a meeting of the Associate Directors at UCRL. Among other things, we talked about the meeting of the representatives from national laboratories to discuss the very high neutron flux reactor planned by the Division of Research of the Atomic Energy Commission to be held in Washington November 24th and 25th. I also mentioned briefly our plans to go to the Regents for funding for the preliminary plans for the E. O. Lawrence Memorial Hall of Nuclear Science and the need to start organizing ourselves for the major fundraising effort ahead.

After the meeting I placed a call to Abe Friedman at the AEC. (John Williams and Spofford English are both out of town.) I told him that I will be unable to attend the meeting on November 24th and asked if it might be possible to postpone this meeting until December 1st (as I am very anxious to participate in this discussion of a matter of vital interest to me). He said that he would check it out and let me know by next Friday. If the meeting cannot be changed, Iz Perlman and Al Kirschbaum will represent the Radiation Laboratory. Abe mentioned that the General Manager has okayed my plans to travel to Russia next month and that he expects approval of Ghiorso's trip within the next couple of days.

I then dictated a letter to John Williams (Director of the Division of Research and initiator of the meeting) relaying essentially the same information and another to Bill Libby (Commissioner, AEC) informing him of the results of some of our recruitment efforts among young scientists for the Chemistry Division at UCRL.

At a few minutes before noon I left the Hill and went directly to the Shattuck Hotel for a luncheon meeting of the Berkeley Rotary Club. After lunch, I delivered a speech, "Scientific Olympic Games", about the Second International

Conference on Peaceful Uses of Atomic Energy in Geneva last September. The information I shared with the Rotary Club was more or less the same as I have delivered in other speeches on the same subject (which continues to be of general interest and to receive an enthusiastic response).

Arriving at the Chancellor's Office at about 1:30 p.m., I had a chance to read some correspondence and dictate some letters before the Student Office Hour began at 2 p.m. I wrote to General Counsel Tom Cunningham, seeking his advice on the possibility of a conflict-of-interest (as a result of my stipend at UCRL supported by the Atomic Energy Commission) were I to accept the offer of a position on the Advisory Board of the Basic Science Foundation. I also wrote to Robert L. Johnson (through whom the offer came) expressing my interest in serving and letting him know that I have not yet responded because I am investigating "'conflict of interest' objection...due to my somewhat manifold connections with the Atomic Energy Commission."

A memo from Errol Mauchlan enclosed a copy of a proposal prepared by the School of Education for participation under Title VII of the NDEA, indicated that he and Ted Sherburne both feel that it is an excellent proposal and raised the question of how we are to present equipment requests (suggesting that equipment requests should be part of a single campus request, "specifyng some measure of centralized programming and administration, rather than a series of departmental requests based on short-run programs.") I approved Errol's draft of a memo to Assistant Vice President James Miller expressing my support of the proposal and requesting the establishment of a policy regarding equipment requests.

Five students visited my office during the Student Office Hour Alex Sherriffs and I held from 2 p.m. until 3 p.m. Two of them, Barbara Boyce and Diana Carr, came to speak with me about the YWCA report on discrimination in fraternities on campus.

A 3:15 p.m. the meeting of the Academic Advisory Committee began in the Chancellor's Conference Room. Present were: R. G. Bressler, C. W. Brown, W. E. Farnham, J. D. Hart, C. W. Jones, F. L. Kidner, M. Moonitz, A. C. Sherriffs, M. A. Stewart, E. W. Strong, and T. D. McCown (representing Lincoln Constance). I opened the meeting with a statement about the National Defense Education Act and my feeling that the Act's potential importance to the campus is not generally appreciated by the faculty. I emphasized the following reasons: the amount of money involved (in 1958-59 alone $72 million in federal aid will be available nationwide), the fact that the Act will almost certainly be a forerunner of more substantial federal aid, and the opportunity to provide means for desirable developments such as the language laboratory, research in educational uses of television, etc. I asked that every effort be made to stimulate faculty enthusiasm. Ray Bressler stressed the need for long-range policy in respect to the Act to enable the Budget Committee to pronounce on the long-term budgetary commitments which inevitably are involved in the proposals. Discussion revealed unanimous support for campus participation under the Act. It was also felt that University policy and procedures should be urgently clarified, and that such clarifications would be facilitated by the appointment of a full-time statewide coordinator of academic status, and by some comparable arrangement at campus level.

Bill Farnham (Chairman of the Committee on Courses) opened the discussion of vocational courses referring to the Academic Plan for the Berkeley Campus (June 1957) which mentions several fields of study which will eventually be

transferred to other campuses of the University, as well as a number of fields in which junior colleges and state colleges should be encouraged to assume much of our present enrollment burden. After considerable discussion, the AAC agreed that the Committee on Courses ought to begin its review of course content in the following three departments: Public Health, Business Administration and Physical Education. The meeting adjourned at 4:40 p.m.

At 4:45 p.m. Errol Mauchlan and I met in my office with John Kelley (Chairman), Charles Morrey and Murray Protter of the Department of Mathematics to discuss their desire to hire Bott and Samuelson of the University of Michigan at above-scale salaries. In justification of this proposal, Kelley cited existing deficiencies in certain areas (notably geometry), certain over-large sections (i.e. analysis and applied mathematics) and, in general, the high student-faculty ratio at both graduate and lower division levels. We talked about the use of teaching assistants and associate professors in the department, the department's service functions to other departments, and the need for forward planning in respect to the pattern of faculty within the department. I agreed to consider their request but asked Kelley to provide me with more information about the areas in which staff are most severely pressed. After our meeting, I told Errol that I am convinced by their arguments and asked him to draft a memo to Clark Kerr for me, indicating my recommendation that both professors from Michigan be hired at the above-scale rates.

Thursday, November 13, 1958

I arrived at the Rad Lab this morning at 8:45 a.m. in order to attend the regular Thursday morning meeting of the Chemistry Group. Present were: Alexander (visiting), Blann, Buddemeier, Cerny, Chesne, Chu, Crespo, Faler, Flamm, Fried, Gordon, Hardgrove, Hoff, Huffman, Hyde, Hyder, Johnson (Q.), Markowitz, McWhan, Meyer, Michel, Michel, Mollenauer, Navarro, Olovsson, Perlman, Petrakis, Rasmussen, Reeder, Richardson, Ruben, Ruiz, Schooley, Stone, Strieter, Sweeney (M.), Templeton, Thomas, Tocher, Wallmann and Wu.

Hardgrove reported on the determination of the crystal structure of cis 1,2 dibromobenzcyclobutene by the complete least square matrix method; Faler, on the discovery of 18.5$\pm$ 0.5 hour Tb^{152} produced in the $Eu^{151}(\alpha,3n)Tb^{152}$ reaction; McWhan, on high pressure work on actinide metals in collaboration with Professor George Jura (They observe a transition in neptunium metal at about 106,000 to 80,000 atmospheres); and Schooley, on plans to do nuclear alignment work using rubidium uranyl nitrate single crystals (to study the orientation or anistropy of the U^{235} 185 KeV gamma ray decay).

I was feeling quite wretched with a miserable cold so I decided to go home and rest for the afternoon. After calling the Chancellor's Office and asking them to make my excuses at the Library Council luncheon I was supposed to attend at Alumni House, I drove back to Lafayette and put myself to bed for a few hours.

About 3:30 p.m. I dragged myself out of bed and drove back to the Radiation Laboratory to make my now-familiar speech about the "Second Geneva Atoms for Peace Conference" at a Physics Research Progress Meeting. My presentation benefitted greatly from the use of Earl Hyde's slides of the Geneva conference. I also made some remarks on the subject of the predicted properties of trans-102 elements.

BERKELEY GAZETTE

November 13, 1958

Science Study Vital to All, Says Seaborg

Scientific literacy must become a part of our liberal arts education, according to Glenn T. Seaborg, chancellor of the University of California and one of the country's outstanding nuclear scientists.

"We have all got to learn more about science," Chancellor Seaborg told the Berkeley Rotary Club in a luncheon address.

"Those out of school should read books on science and those in school must apply themselves so as to be able to meet the great challenges today." Mathematics is, of course, basic to such studies.

"In the future scientific knowledge will be demanded for many jobs and a knowledge of science will be needed just to vote intelligently," Seaborg said.

"We learned in the recent 'Atoms for Peace' conference in Geneva that the United States is ahead at present in the development of nuclear fission power. However, we may not be there for long as the Russian government is now building a heavy flux nuclear reactor, which builds up heavy transuranium elements, while we have been unable to get our Government to provide the huge sums needed for such a tool.

"This means that we may very well have to take advantage of the Russians offer to work together in this field and use their reactor.

"As a matter of fact the Russian scientific programs and ours are more alike than those of any two other countries. We seem to be inevitably developing along similar lines," Seaborg observed.

UNIVERSITY BULLETIN
November 13, 1958

Glenn Seaborg, Faculty Research Lecturer

The Committee on the Faculty Research Lecture, Berkeley campus, unanimously recommends as Faculty Research Lecturer for the academic year 1958–1959 Glenn Theodore Seaborg, Professor of Chemistry and Chancellor at Berkeley.

Professor Seaborg was born in Ishpeming, Michigan, April 19, 1912. In 1922 his family moved to Southern California where he later enrolled at U.C.L.A. and received his A.B. degree in chemistry in 1934. Even as an undergraduate he was fascinated by the exciting new developments in nuclear physics and he read in this field and took such courses as were presented. In his graduate studies at the University of California at Berkeley he chose for his thesis research to work on the inelastic scattering of neutrons—at that time a strange enterprise for a chemist.

After receiving the Ph.D. degree in 1937, Seaborg was chosen by Gilbert N. Lewis to be his research associate. He spent two fruitful years working with Professor Lewis on the concepts of generalized acids and bases, and this period also saw the beginning of his studies on artificial nuclear transmutation. In 1939 Seaborg was appointed Instructor in the Department of Chemistry and, two years later, Assistant Professor. The war years were highly eventful for him, and at the war's end he returned to Berkeley as Professor of Chemistry and Director of the Chemistry Division of the Radiation Laboratory. In 1954 he was appointed Associate Director of the Radiation Laboratory. His service to the University went beyond the area of science and included his function as Faculty Athletic Representative. In 1958 he was appointed Chancellor of the Berkeley campus.

Work with Isotopes

During the pre-war years Seaborg, with Dr. J. J. Livingood, published almost 30 papers on new radioactive isotopes. Some of these isotopes, such as I^{121} and Fe^{55}, were to assume roles of major importance as chemical tracers and in medical diagnosis and therapy. In the fall of 1940 he began his epoch-making investigations of the transuranium elements. Following the work of Professors E. M. McMillan and P. H. Abelson on the discovery of element 93 (neptunium), Professor Seaborg and co-workers first identified an isotope of element 94 (plutonium), Pu^{238}. By that time the war had started and the potential military importance of this discovery and others which followed made it mandatory that they remain in classified reports until fighting had stopped.

Discovery of Plutonium

In 1941, Seaborg and his co-workers discovered the fissionable isotope of plutonium, Pu^{239}, and undertook an intensive study of the chemical properties of this element. Since it had been decided that the plutonium work of the (as yet unorganized) Manhattan Project would be centered at the University of Chicago, Seaborg, in April, 1942, obtained a leave of absence from the University and, with a small group of co-workers, went to Chicago to take charge of the chemical work for the separation of plutonium. Much of the basic research done in those eventful few years was published after the war in two large volumes, *The Transuranium Elements*, of which he was an editor and co-author.

CHANCELLOR'S ADMINISTRATIVE COMMITTEES

ART AND ANTHROPOLOGY BUILDING, COMMITTEE ON OPENING EXHIBITION FOR THE (10/21/57)

J. D. Hart, Chm
W. R. Bascom
Dorothy A. Bennett
Donald Coney
G. M. Foster, Jr.
W. W. Horn
Erle Loran
Herwin Schaefer
W. S. Wellington

ART COLLECTION OF THE BERKELEY CAMPUS, COMMITTEE ON GIFTS TO THE (10/21/57)

Herwin Schaefer, Chm
H. B. Chipp

AUDIO-VISUAL INSTRUCTION, NORTHERN SECTION, COMMITTEE ON ( ) Printed

C. E. Smith, Chm
S. B. Brown
J. E. Lateana
F. T. Malm
H. E. White

BUILDINGS AND CAMPUS DEVELOPMENT COMMITTEE, BERKELEY SECTION (9/6/49) Printed

C. W. Brown, Chm
H. S. Baeler
E. H. Barness, ex off
S. F. Cook
L. A. DeMonte, Tech Advsr
E. R. Dempster
C. C. Gilliam, ex off
W. D. Gwinn
J. W. Hutchison, ex off
R. W. Jennings
R. F. Kerley
Leonard Machlis
S. J. Maisel
R. W. Marston, Secy
J. L. Meriam
M. A. Milczewski
C. L. Nordly
D. A. Revzan
C. R. Routsong, Tech Advsr
R. L. Thornton
G. E. Troxell
H. L. Vaughan
Students: Bonnie Bain
Tom Schneider

Subcommittees: see supplementary list

ad hoc

BULLETIN BOARDS, SPECIAL COMMITTEE ON (10/6/58)

A. C. Sherriffs, Chm
Donald Coney
P. T. Hastings
R. F. Kerley
Kathlyn C. Malloy
H. E. Stone
A. T. Williams

BUREAU OF BUSINESS AND ECONOMIC RESEARCH, NORTHERN SECTION (11/1/45)

(2-year appointments)

D. A. Alhadeff, Chm
P. W. Bell
F. E. Balderston
G. F. Break
R. H. Holton
E. T. Grether, ex off
A. G. Papandreou, ex off

BUREAU OF OCCUPATIONS, ADVISORY AND POLICY-RECOMMENDING COMMITTEE ON THE (6/23/58)

Milton Chernin, Chm
R. C. Calhert, Jr. (w/o vote)
R. E. Erickson
E. T. Grether
Emily H. Huntington
R. F. Kerley
M. P. O'Brien
J. W. Oswald, Act. Chm
A. C. Sherriffs

BUSINESS ADMINISTRATION, ADVISORY COUNCIL FOR THE SCHOOL OF ( )

(Appointed by President and Chancellor jointly)

S. D. Bechtel
James B. Black
Paul L. Davies
Walter A. Haas
E. C. Lipman
James K. Lochead
N. Loyall McLaren
T. S. Peterson
E. G. Solomon
Mark R. Sullivan
Judge Roger T. Traynor
F. B. Whitman
Brayton Wilbur
Howard Willoughby
Jean C. Witter

CENTER FOR THE STUDY OF HIGHER EDUCATION, ADVISORY COMMITTEE FOR THE (1/7/58)

T. R. McConnell, Chm
R. W. Jastram
W. A. Kornhauser
Albert Lepawsky
R. N. Sanford
E. W. Strong
F. T. Tyler
H. E. White

COMPUTING FACILITIES, ADVISORY COMMITTEE ON (8/30/56)

Edward Teller, Chm
Ralph Emerson
E. T. Grether
A. C. Holmholz
L. G. Henyey
H. D. Huskey
D. L. Judd
D. W. MacKinnon
P. L. Morton
Jerzy Neyman
R. W. Shephard
Otto Struve
D. H. Templeton

ad hoc CONFERENCE OF UNIVERSITY AND HIGH SCHOOL TEACHERS OF COMPOSITION, COMMITTEE ON (5/21/58)

Gordon McKenzie, Chm
P. S. Grant
W. D. Loban
Jacobus ten Broek

COUNSELING CENTER ADMINISTRATIVE BOARD (1951)

H. E. Stone, Chm
R. A. Cockrell
C. P. Froehlich
J. D. Hart, ex off w/o vote
Barbara A. Kirk, ex off w/o vote
A. S. Levens
Jean W. Macfarlane, V-Chm
H. A. Spindt
Margaret G. Zeff

COUNSELING CENTER ADVISORY COMMITTEE (1951)

H. E. Stone, Chm
L. D. Barnard
Grace V. Bird
J. P. Carter
R. A. Cockrell
Lincoln Constance
R. E. Erickson
C. P. Proehlich
C. C. Gilliam
J. D. Hart, ex off w/o vote
P. T. Hastings
Barbara A. Kirk, ex off w/o vote
A. S. Levens
Jean W. Macfarlane, V-Chm
T. D. McCown
D. S. Noyce
K. A. Ryerson
L. E. Shaffer
H. A. Spindt
Katherine A. Towle
Dow Votaw
Margaret G. Zeff

Five students: William A. Stricklin, Pres. ASUC
Sally Ann Hart, Women's Rep.
Patrick Quigley, Senior
Alice R. Thiel, Junior
Carolyn Hand, Sophomore

ad hoc COUNSELING CENTER, AD HOC COMMITTEE ON (6/13/58)

Varden Fuller, Chm
R. F. Kerley
M. R. Rosenzweig

CRIMINOLOGY, SCHOOL OF, ADVISORY COUNCIL FOR THE (5/21/57)

(Appointed by President and Chancellor jointly)

Mr. Richard A. McGee, Chm
Mr. Ronald Beattie
Mr. Edmund G. Brown
Mr. Lorenzo H. Buckley
Mr. Lloyd H. Burke
Judge Richard H. Chamberlain
Mr. J. Frank Coakley
Sheriff H. P. Gleason
Judge Oliver J. Hamlin, Jr.
Mr. Ervis W. Lester
Mr. Thomas C. Lynch
Mr. Walter Rapaport
Mr. Herman Stark
Dr. Henry W. Turkel
Chief of Police W. W. Vernon

ad hoc CRIMINOLOGY, SCHOOL OF, AD HOC STUDY COMMITTEE ON PROGRAM AND DIRECTION OF (9/25/58)

J. M. Cline, Chm
Charles Aikin
T. D. McCown
Alexander Simon

DISASTER OPERATIONS (4/11/56) Printed

R. F. Kerley, Act. Chm
E. H. Burness
C. F. Dalziel
B. A. Godwin
H. M. Lovett
J. E. Tronoff

DISASTER PREPAREDNESS (6/6/55) Printed

C. F. Dalziel, Chm
R. S. Baronian
R. C. Becker
E. H. Burness
G. H. Curtis
F. A. Gohr
Neil Goodhue
L. C. Grannis, ex off
P. T. Hastings
D. O. Horning
J. W. Hutchison
R. F. Kerley
H. M. Lovett
T. M. Martin
J. R. Moore
M. T. Morris
D.M. Wilkes, Altern.
C. R. Routsong
W. F. Shepard
T.B. Dutton, Altern.
L. R. Sale
W. W. Stiles
Katherine A. Towle
J. E. Tronoff
J. T. Wilbur
F. E. Woodward

DISCRIMINATION, CHANCELLOR'S ADVISORY COMMITTEE ON (3/14/58)

Faculty members: R. A. Cockrell, Chm
David Blackwell
D. W. Louisell

Ex officio members: H. E. Stone (Dean of Students)
Elizabeth Davis (Pres. Pan-Hellenic)
Ann Gibson (Pres. University YWCA)
William C. Gordon (Mbr. Exec. Committee)
Frank B. W. Hawkinshire (Chm. Student Judicial Com.)
Thomas C. McNally (Pres. University YMCA)
Mike Harsten (Repr. of the Pres. of Interfraternity Counc
Barton Moir (Pres. Interfraternity Council)
Donald A. Sandstrom (Repr. of the Pres. of ASUC)
William A. Stricklin (Pres. of ASUC)
James T. Yenkel (Editor of The Daily Cal)

DRAMA, LECTURES AND MUSIC COMMITTEE Printed

Donald Coney, Chm
T. M. Bogard
Betty J. Connors, Secy
F. O. Harris
Charles Jelavich
K. A. Kasten
J. W. Kerman
Leslie Lipson
Herwin Schaefer
Charles Susskind
Frantisek Wolf
Three students:
Daniel E. Eisenstein (Sr)
Daniel Lubbock (Jr.)
Diane Romero (Soph.)

ad hoc ENVIRONMENTAL PHYSIOLOGY LABORATORY, SPECIAL FACULTY COMMITTEE ON (4/14/58)

Gordon MacKinney, Chm
Roderick Craig
S. F. Cook
R. M. Eakin
Ralph Emerson
Hardin Jones

FORD FOUNDATION ROTATING PROFESSORSHIP OF GOVERNMENTAL AFFAIRS, COMMITTEE ON THE (1957)

Charles Aikin, Chm
Norman Jacobson
P. H. Odegard
A. G. Papandreou
H. N. Smith

FOREIGN LANGUAGE COUNCIL (11/3/58)

H. S. Beeler
D. R. Carr
A. B. Ferruolo
A. E. Gordon
M. R. Haas
A. G. Janzén
C. G. Loomis
A. Torres-Rioseco
R. N. Walpole
F. J. Whitfield

FOREIGN STUDENTS, BERKELEY SECTION, COMMITTEE ON (1943-44) Printed

L. W. Taylor, Chm
A. C. Blaisdell
Mrs. W. C. Fleming
J. P. Gittinger, consultant
Gordon Hearn
H. G. Johnstone, consultant
J. W. Kelly
S. A. Mosk
J. W. Oswald
J. O. Sawyer, Jr.
J. C. Stone
two students:
Charles Cutter
Michael Gucovsky

FRATERNITY AFFAIRS ADVISORY BOARD (1956)

R. D. Miller, Chm
T. B. Dutton
A. A. Kragen
Nello Pace
W. F. Shepard
H. E. Stone

Alumni:
Edward G. Chandler
Eugene Elkus, Jr.
Fred Seulberger

Students:
Barton M. Moir (IFC Pres.)
Michael J. Kennedy (IFC Adm. V-Pres.)
Richard J. Ruud (an IFC Rep.)

FRATERNITY PROBLEMS, SPECIAL COMMITTEE ON (4/22/58)

A. A. Kragen, Chm
T. B. Dutton
R. F. Kerley
Dow Votaw

Alumni:
Robert J. Drewes
K. O. Rowlands, Secy

FULBRIGHT AWARDS, COMMITTEE TO NOMINATE CANDIDATES FOR (11/28/49) Printed

J. M. Cline, Chm
Kingsley Davis
J. W. Lockwood
W. K. Pritchett
D. H. Templeton

d hoc GENERAL CATALOGUE, COMMITTEE TO MAKE A STUDY OF (3/26/58)

J. D. Hart, Chm
E. G. Berenson, ex off
C. D. Chretien
C. C. Gilliam
F. L. Kidner
J. L. Merian
S. A. Mosk
W. L. Prosser

d hoc GROUP MAJOR ON COMMUNITY AND FAMILY LIVING, COMMITTEE TO CONSIDER A (1/6/58)

Catherine Landreth, Chm
Adrienne Koch
Ruth Okey
Josephine Miles
K. A. Ryerson
P. S. Taylor
Katherine A. Towle

HELLER COMMITTEE FOR RESEARCH IN SOCIAL ECONOMICS (1932-33)

Emily H. Huntington, Chm
Jessie V. Coles
George Kuznets
Harvey Leibenstein
David McEntire
Ruth Okey

ad hoc HIGH SCHOOL STUDENTS, COMMITTEE TO SCREEN APPLICATIONS FOR SUMMER EMPLOYMENT OF (6/7/57)

Leo Brewer, Chm
W. E. Berg
R. A. Cockrell

HUMAN DEVELOPMENT, INSTITUTE OF, ADVISORY COMMITTEE OF THE (1/11/52)

D. H. Russell, Chm
Reinhard Bendix
Vera S. Fry
R. E. Harris
H. S. Maas
P. H. Mussen
Nello Pace
E. S. Rogers, ex off
G. H. Schade

Subcommittee: HUMAN BIOLOGY FOR THE INSTITUTE OF HUMAN DEVELOPMENT, ADVISORY COMMITTEE ON (9/29/58)

E. S. Rogers, Chm
F. A. Beach
Kingsley Davis
Mrs. Margaret S. Gordon
Daniel Mazia
Alexander Simon

INTERDEPARTMENTAL FACULTY SEMINARS, COMMITTEE ON (10/30/58)

E. W. Strong, Chm
Lincoln Constance
A. G. Papandreou
Kenneth Pitzer
W. W. Wurster

ad hoc INTERNATIONAL HOUSE FINANCIAL NEEDS AND ADJUSTMENT VIS-A-VIS THE UNIVERSITY, COMMITTEE ON (10/1/58)

Representatives of the University: J. W. Oswald
W. F. Shepard
A. C. Sherriffs

INTERNATIONAL STUDIES, COMMITTEE ON (6/24/55) Printed

P. S. Taylor, Chm
Charles Aikin
P. W. Bell, V-Chm Fall
Reinhard Bendix
T. C. Blaisdell, Exec Secy
D. M. Brown
D. R. Carr
L. M. Lipson
A. G. Papandreou
S. A. Riesenfeld, Act. Chm Fall

Subcommittees: CHINESE STUDIES, FACULTY COMMITTEE OF THE CENTER FOR (1/10/58)

Walter Galenson, Chm
Shih-Hsiang Chen
Wolfram Eberhard
Choh-Ming Li
R. A. Scalapino

INTERNATIONAL STUDIES, COMMITTEE ON - concluded

Subcommittees: CURRICULUM, SUBCOMMITTEE ON (8/22/56)

Luis Monguió, Chm
P. W. Bell
T. C. Blaisdell
Charles Jelavich
R. A. Scalapino

JAPANESE STUDIES, FACULTY COMMITTEE OF THE CENTER FOR (10/23/58)

Donald Shively, Chm
D. M. Brown
R. A. Scalapino

LATIN AMERICAN STUDIES, FACULTY COMMITTEE OF THE CENTER FOR (8/28/56)

J. F. King, Chm
Albert Lepawsky
Luis Monguio (Act. Chm. Fall)
S. A. Mosk
J. H. Rowe
A. Torres-Rioseco

SLAVIC STUDIES, FACULTY COMMITTEE OF THE CENTER FOR (10/18/57)

Charles Jelavich, Chm
Reinhard Bendix
Gregory Grossman (Spring)
G. M. Kuznets
Gleb Struve

SOUTH ASIA STUDIES, FACULTY COMMITTEE OF THE CENTER FOR (10/18/57)

R. L. Park, Chm
Wolfram Eberhard
Murray Emeneau
Margaret M. Fisher
J. G. Gumperz
V. D. Kennedy
D. G. Mandelbaum

ad hoc INTER-UNIVERSITY COMMITTEE ON TRAVEL GRANTS, SPECIAL COMMITTEE TO CONSIDER PROBLEMS AND TO ADVISE THE, (2/28/58)

Charles Jelavich, Chm
A. C. Blaisdell
J. D. Hart
M. A. Stewart

JEFFERSON LECTURES, NOMINATING COMMITTEE FOR (5/8/58)

J. D. Hart, Chm
E. L. Burdick
Adrienne Koch
Frank Newman
H. N. Smith

ad hoc LANGUAGE LABORATORY, COMMITTEE ON THE (1/23/58)

Mary R. Haas, Chm
Y. R. Chao
G. A. Chapman
A. B. Ferruolo
Basil Guy
C. Grant Loomis
J. H. Sledd
F. J. Whitfield

ad hoc: LATE APPLICATIONS FOR READMISSION, AD HOC COMMITTEE ON (9/6/58)

Lincoln Constance, Chm
C. C. Gilliam
A. C. Shorriffs
H. E. Stone

LATE REGISTRATION, SPECIAL COMMITTEE ON (3/26/58) Printed

Varden Fuller, Chm
C. C. Gilliam
J. J. Parsons

LENDING LIBRARY OF ORIGINAL PRINTS, COMMITTEE ON (5/27/58)

Donald Coney, Chm
H. B. Chipp
Horwin Schaefer

LIVING ACCOMMODATIONS, BERKELEY SECTION, COMMITTEE ON (7/1/50) Printed

Mrs. Helen M. Worden, Chm
Mrs. R. W. Donnelly, ex off
R. E. Erickson
Edith M. Linsay
W. F. Shepard
A. H. Sherry
Scott Wilson
Students: Myrna Bouchey (Pres. Women's Dorm.Ass
Barton Moir (Pres. IFC)
John H. Miller (Pres. Bowles Hall)

MANPOWER MOBILIZATION, BERKELEY SECTION, COMMITTEE ON (9/18/50)

A. M. Ross, Chm
Adraenne Batts
Donald Cooksey
J. G. Siler, Secy
W. L. Wylie

MARINE BIOLOGICAL STATION, COMMITTEE ON THE (3/7/57)

G. F. Papenfuss, Chm
R. I. Smith
R. L. Usinger

ad hoc Subcommittee: MARINE BIOLOGICAL STATION, SUBCOMMITTEE ON THE (4/28/58)

R. I. Smith, Chm
Frederica Bernhard
Hugh Bradner
Lance Flanagan
F. R. Ingram
Nello Pace
J. C. Reidenbach

ad hoc MARINE BIOLOGICAL STATION, ADVISORY PANEL FOR THE COMMITTEE ON (3/7/57)

J. W. Durham
R. M. Fakin
Ralph Emerson
C. H. Hand
Morgan Harris
A. S. Leopold
Daniel Mazia
P. R. Needham
F. A. Pitelka
Johannes Proskauer
R. Y. Stanier

hoc METROPOLITAN AND URBAN STUDIES, PLANNING COMMITTEE ON (8/21/57)

D. L. Foley, Chm
O. M. Belknap
Kingsley Davis
Harvey Leibenstein
Davis McEntire
Leo Schnore

Directors or Directors' Representatives:
C. Y. Glock (Survey Research Center)
Margaret S. Gordon (Inst. of Ind. Relations)
W. H. Kennedy (Transportation Eng.)
S. J. Maisel (Real Estate Research Program)
I. Stanley Scott (Bureau of Pub. Adm.)
P. S. Taylor (Inst. of International Studies)

hoc NATURAL RESOURCES CENTER, AD HOC COMMITTEE TO EXPLORE INSTITUTIONALIZATION OF A (1/9/57)

A. S. Leopold, Chm
H. H. Biswell
F. B. Glendenon
Kingsley Davis
Albert Lepawsky
C. O. Sauer
S. V. Wantrup

NAVAL BIOLOGICAL LABORATORY, ADVISORY COMMITTEE FOR THE (3/21/57)

M. A. Stewart, Chm
Lincoln Constance
S. S. Elberg
A. P. Krueger
C. E. Smith

ORIENTATION PROGRAM FOR NEW FACULTY MEMBERS, SPECIAL COMMITTEE ON (5/7/53)

E. W. Strong, Chm
Milton Chernin
A. C. Helmholz

PARENTS DAY ON THE BERKELEY CAMPUS, COMMITTEE ON (3/27/58)

Arleigh Williams, Chm
R. E. Erickson
A. S. Levens
W. F. Shepard

Students: (appointed for Spring of 57-58 and Fall of 58-59)
JoAn Fowler
Jerry McFarland
Richard Schoen

PARKING APPEALS COMMITTEE (1/8/58)

A. H. MacCormick, Chm
Sarah M. Hallam
E. R. Parker
L. R. Sale, Secy w/o vote
W. W. Stiles, Medical Advsr

PERSONALITY ASSESSMENT AND RESEARCH, INSTITUTE OF, ADVISORY BOARD FOR THE (7/29/49)

Curt Stern, Chm
R. S. Crutchfield, ex off
D. W. MacKinnon, ex off
T. R. McConnell
S. A. Mosk
L. J. Postman
A. M. Ross

Doe

POLITICAL SCIENCE, COMMITTEE ON DISTRIBUTION OF THE ROCKEFELLER GRANT TO (11/29/56)

E. W. Strong, Chm
Charles Aikin
M. R. Benedict
J. P. Harris
S. A. Riesenfeld

PUBLIC CEREMONIES, BERKELEY SECTION, COMMITTEE ON ( ) Printed

G. B. Wilson, Chm
J. E. Bordahl
E. H. Burrows
R. E. Erickson
W. H. Giedt, Vice-Chm
M. A. Goodman
S. C. Gurney
H. M. Lovett
M. T. Morris
Nello Pace
J. D. Rogers
Two students:
Judith Barbara Johns
Lee Smith

Subcommittee: STUDENT SPEAKERS, COMMITTEE FOR THE SELECTION OF (6/16/53)

W. F. Shepard, Chm
R. E. Powell
Katherine A. Towle
G. B. Wilson

PUBLIC RELATIONS FOR THE BERKELEY CAMPUS, COMMITTEE ON (11/26/57)

M. J. Vaux, Chm
R. F. Kerley
P. F. Keim
M. T. Morris
J. W. Oswald
A. T. Williams
Alumni:
R. E. Erickson
Arthur Harris
V. A. Stadtman

RADIO ASTRONOMY, ADVISORY COMMITTEE TO THE LABORATORY OF (6/11/57)

Otto Struve, Chm
L. W. Alvarez
C. D. Shane
H. F. Weaver
J. R. Whinnery

REGENTS' PROFESSORSHIPS AND LECTURESHIPS, CHANCELLOR'S COMMITTEE ON (2/17/54)

R. J. Sontag, Chm
H. E. Davis
Kingsley Davis
L. C. Gilbert
S. S. Hecs
W. M. Stanley
C. R. Wilke

REGISTRAR, ADVISORY COMMITTEE TO THE (3/9/55)

W. B. Fretter, Chm
Karl Aschenbrenner
J. M. Cline
S. P. Dilliberto
J. A. Jenkins
Two students:
Edwin (Ned) H. Dryer
Suzanne Webber

RHODES SCHOLARSHIPS, BERKELEY SECTION, COMMITTEE ON Printed

R. W. Jennings, Chm
T. M. Pagard
G. A. Cullen
L. M. Lipson
J. H. Reynolds
R. L. Usinger

RULE 17, ADMINISTRATIVE COMMITTEE ON (5/20/57)

H. E. Stone, Chm
E. L. Barrett, Jr.

Student:
Suzanne Trees (2nd Vice-Pres. ASUC)

SOCIAL SCIENCE COUNCIL (11/18/54)

A. G. Papandreou, Chm (Economics)
Charles Aikin (Political Science)
Reinhard Bendix (Sociology & Social Institutions)
D. M. Brown (History)
Milton Chernin (Social Welfare)
G. M. Foster (Anthropology)
E. T. Grether (Business Administration)
P. F. Griffin (Journalism)
R. B. Heneman (Education)
G. H. Kimmets (Agricultural Economics)
J. J. Parsons (Geography)
L. J. Postman (Psychology)
W. L. Prosser (Law)
Francis Violich (City & Regional Planning)
O. W. Wilson (Criminology)

SOCIAL SCIENCES, INSTITUTE OF, ADVISORY COMMITTEE FOR THE (6/26/55)

E. T. Grether, Chm
D. M. Brown
G. M. Foster
F. L. Kidner
L. J. Postman
Leslie Lipson, ex off
M. A. Stewart, ex off

STUDENT AFFAIRS COMMITTEE (9/3/57)

A. C. Sherriffs, Chm
Milton Chernin
Lincoln Constance
Vaughn Fuller
J. D. Hart
Van D. Kennedy
J. L. Meriam
E. W. Strong
H. J. Vaux

ad hoc STUDENT CENTER CAMPAIGN, CAMPUS COMMITTEE ON THE (12/31/57)

James D. Hart
and Bill Stricklin, Co-Chairmen
E. T. Grether
A. C. Helmholz
A. T. Williams
W. W. Wurster

Students:
Kenneth Kragen
Scott Sherman

STUDENT CONDUCT, BERKELEY SECTION, COMMITTEE ON (3/24/47) Printed

H. E. Stone, Chm
J. M. Cline
C. P. Froehlich
A. H. MacCormick
A. C. Sherriffs
Margaret G. Zeff

STUDENT COOPERATIVE ASSOCIATION BOARD OF DIRECTORS

(University Representatives)

Anna S. Espenschade
Verden Fuller
T. J. Kent, Jr.

STUDENTS GRADES, CHANGES IN, CONFIDENTIAL COMMITTEE ON — Printed

(confidential list)

STUDENT HEALTH SERVICE, ADVISORY COMMITTEE FOR (5/5/53)

C. L. Nordly, Chm
Margaret I. Beattie
June Brasted
J. M. Cline
R. E. Connick
J. A. Putnam
Catharine D. Quire
W. F. Shepard
Margaret G. Zeff

Students:
Bonny Lynn Redhead (Sr.)
Anne Bowden (Jr.)
Jerry T. Crawford (Soph)

ad hoc — STUDENT HEALTH SERVICE, SPECIAL COMMITTEE.....SUCCESSOR TO DR. DONALD (1/24/58)

C. E. Smith, Chm
H. D. Brainerd
E. G. Clausen
Mrs. Edward Collins
J. W. Oswald
T. Eric Reynolds
W. F. Shepard
A. C. Sherriffs

STUDENT HOUSING, CHANCELLOR'S ADVISORY COMMITTEE ON (6/9/58)

A. A. Kragen, Chm
E. L. Eurdick
Emily H. Huntington
Charles Kittel
I. P. Watt

Advisors: Mrs. Ruth Donnelly
W. F. Shepard
Katherine A. Towle
Scott Wilson

Students: Myrna Bouchey (Pres. Women's Dormitory Assoc.)
Elliott McCarty (Pres. Men's Residence Assoc.)
Pete F. Merle (Representative of ASUC)

STUDENT ORIENTATION AND COUNSELING PROGRAM, SPECIAL COMMITTEE ON (8/29/52)

Administrative:
W. F. Shepard, Chm
C. C. Gilliam
Maryanne Reid
D. B. Stewart

ASUC:
A. T. Williams

Academic:
Margaret I. Beattie
W. D. Fretter
C. F. Garland
P. L. Kirk
H. L. Lagorio
Catherine Landreth
D. S. Noyce
Dow Votaw

Students:
Suzanne Trees, ex off (2nd Vice-Pres. ASUC)
Neil Rose, ex off (Chm Orientations Council)
John Mahoney
Carolyn I. Pearson

SURVEY RESEARCH CENTER, ADVISORY COMMITTEE FOR THE (7/25/58)

Kingsley Davis, Chm (Sociology)
David Blackwell (Statistics)
Milton Chernin (Social Welfare)
S. S. Kase (Econ, Bus Ad & Ag Econ)
L. J. Postman (Psychology)
R. W. Shepherd (Engineering)
K. M. Stampp (Humanities, Social Sciences)
C. D. Waldo (Political Science)

TEACHER EDUCATION, ADVISORY COMMITTEE FOR (12/26/56)

J. D. Hart, Chm
David Blackwell
W. A. Brownell, ex off
Lincoln Constance
Bernard Friedman
G. H. Guttridge
R. F. Jarrett
C. W. Jones
C. L. Mordy
K. S. Pitzer
A. Torres-Rioseco
J. C. Stone, ex off

TELEVISION COMMITTEE (7/1/53)

C. M. Kulten, Chm
Donald Coney
M. T. Morris
J. C. Swanson
A. G. Volz
H. R. Walt
G. A. Wessels
H. E. White
R. C. Williams

UNIVERSITY AFFAIRS COMMITTEE (12/7/51)

Faculty:
V. D. Kennedy
M. R. Rosenzweig
W. F. Shepard
A. C. Sherriffs

Administration:
Lincoln Constance
H. E. Stone
Katherine A. Towle
Business Manager

Alumni:
R. E. Erickson

ASUC:
A. T. Williams

Students:
W. A. Stricklin, Chm., ex off (Pres. ASUC)
Richard G. D. King, ex off (1st Vice-Pres. ASUC)
Suzanne Trees, ex off (2nd Vice-Pres. ASUC)
James T. Tenckel, ex off (Editor The Daily Cal Fall term)
Brian R. Van Camp, ex off (Pres. Freshman Class)
George H. Link (Pres. Sophomore Class)
Rodolfo Montejano (Pres. Junior Class)
Paul M. Diller (Pres. Senior Class)
Susan Dunlap
JoAnne Fowler
Leta Howard
Daniel Lubbock
Samuel Peden
Thomas Ready

ASUC COMMITTEES

ASUC ACTIVITIES ADVISORY COMMITTEE (12/2/57)

A. T. Williams, Chm

Faculty:
W. W. Middlekauff
Armin Rappaport

Administrative:
Helen E. Clarke
A. C. Sherriffs

EXECUTIVE COMMITTEE and FINANCE COMMITTEE

Faculty Representative: Armin Rappaport
R. E. Powell, alternate

University Representative: H. E. Stone
W. F. Shepard, alternate

Alumni Representative: Henry Schacht

INTERCOLLEGIATE ATHLETIC ADVISORY BOARD (11/17/47)

Faculty:
W. N. Keeler, Chm
F. L. Kidner, ex off w/o vote
C. L. Nordly
H. E. Stone

Students:
William A. Stricklin
Robert C. Chiappone
Roger L. Gregg
Richard G. King

Alumni:
Stanley Barnes
O. Cort Majors
H. F. Selvin

Alumni Alternates:
Benjamin Lom
J. Eugene McAteer
Merritt E. Van Sant

INTERFRATERNITY COUNCIL JUDICIAL COMMITTEE

Five students (IFC appointees)
Dean of Students Representative: T. B. Dutton
Alumnus Representative: Mechial Voyne
Edwin S. Thomas, Jr., alternate

STUDENT POLIS COUNCIL (6/2/58)

Faculty Advisors (non voting):
G. M. Belknap
David Drach
Lyman Porter

UNION ADVISORY BOARD (3/26/56)

Faculty & Administrative:
Business Manager
W. F. Shepard
A. C. Sherriffs

Alumni:
Walter A. Haas
N. Loyall McLaren
John L. Simpson

Students:
Richard G. King, Chm ex o
Jerry McFarland
Holley Zacker

Friday, November 14, 1958

I began my day by giving the welcoming address at the "Conference on Conservation at the Local Level" at the Claremont Hotel which is being conducted under the joint auspices of the University of California, the California Department of Natural Resources and the California Conservation Council. (As Albert Lepawsky, a professor in our Political Science Department and organizer of this conference wrote me, "This is the first occasion in which the collaboration between the citizen, official and academic institutions has been formalized to this extent.") There were about 150 people present to hear my speech, "Some Implications on the Resource Problems".

The speech was written by Dorothy Powell and was rather hard-hitting about the possible dangers of continuing our course of population growth and over-consumption without replacing our natural resources or seeking alternative sources of supply. (Dorothy has now moved to the President's Office and we are desperately seeking a replacement for her as speech-writer for the Chancellor's Office; she was very good at speeches and will be difficult to replace.) After describing the problem in some detail (given the fact that the whole speech was only about ten minutes long), I went on to emphasize the importance of applying our intelligence to the problems and supporting institutions (such as the University of California) which are actively seeking solutions.

By way of example, I told the assembled group of some of the efforts on the Berkeley campus, including the Water Resources Study's research on water supply in this region, the Department of Chemical Engineering's work on conversion of salt water and fresh water, the Department of Food Technology's efforts to make algae palatable for human consumption, work on controlled thermonuclear reactions at the Berkeley and Livermore Radiation Laboratories- and the exciting news of Melvin Calvin's development of an organic solar battery making use of the process which plants are believed to use for capturing and storing solar energy, which was only released last week. I concluded the speech by remarking on the work of our departments in the humanities, arts and social sciences, "For in the last analysis, whether we solve the problems that are posed by our physical resources will depend on our intelligent development and use of our human resources."

I arrived at the Chancellor's Office at about 10:15 a.m. and buckled down to the correspondence so quickly accumulated during my one day absence home sick yesterday. Tom Cunningham responded to my request for advice regarding the Basic Science Foundation Advisory Board; he sees no problem with conflict-of-interest but thinks I ought to run it by Clark Kerr, too.

Kenneth Jackman (who served as guide to the Brussels World Fair for Stan Thompson and me) wrote me to say that he has obtained samples of practically all the literature supplied by the Russians in the International Hall of Science, the Russian Pavilion and the American Pavilion at the Fair. He also has some pictures of exhibits at the Geneva Atoms for Peace Conference. I will ask Jackman to send this material to Ewen Dingwall of the Century 21 Exposition (and, of course, ask Dingwall to reimburse him since I asked for these materials).

I dictated a letter to Jack Cain (the alumnus who wrote me in support of Herm Weiner), attempting to describe the history of our investigation into the

charges against Weiner and hastening "to assure you that we are not being swayed into any precipitous, unreasonable action", having referred the matter to the Intercollegiate Athletic Advisory Council.

I also okayed the Berkeley campus acting as one of the official host institutions for a group of 11 top-level Russian educators who will be touring educational institutions in the United States as part of a cultural exchange agreement between our two countries.

At 11:30 a.m. Milt Chernin and I met with Jack Kent (Professor of City and Regional Planning and Berkeley City Councilman) to talk about ways that the University might aid the City with some of the development plans. Berkeley has been growing very quickly and Kent is concerned that if stricter zoning laws and long-term planning are not implemented, Berkeley may become one great densely populated slum like that which has grown up around the University of Chicago. The Berkeley Master Plan commits Berkeley to a future as a residential, college community of about 180,000; however, Kent is convinced that current leadership in City Hall and the business community may not have the vision or the courage to prevent Berkeley's growth into a forest of high-rise buildings with a population of 800,000 to 900,000. He also remarked that if efforts are not made soon to improve the Berkeley school system, we will have increasing difficulty in attracting and retaining faculty. We talked about other problems of Berkeley such as the need to develop regional rapid transit and to develop the waterfront to our advantage. I also alluded to the fact that I have heard reports from faculty indicating an interest in his again serving as Chairman of the Department of City and Regional Planning.

From 3 p.m. until 4 p.m. I met with Clark Kerr in his office to discuss a list of nine items (a very light list compared with those of our last few meetings). Frank Kidner joined us for the first few minutes to talk about the petition to reconsider the Newman Resolution in the Representative Assembly. The petition requires only seven signatures which he is certain we will easily get. We talked about the possibility of a meeting on December 2nd, which Clark would preside over. I volunteered to make a statement proposing a simpler resolution than that already passed by the Assembly, one which would make clear that we deplore such actions by investigators but that we do not forbid faculty to answer their questions. We hope that this would satisfy both the interests of academic freedom and those faculty who have expressed their concern over a possible division of loyalties to their students and their government.

After Kidner left Clark and I discussed a number of other matters, including, as usual, appointments to various committees, etc. I told Clark about some of our efforts to promote the maximum use of the National Defense Education Act and of our conviction that we will need a full-time representative in Washington to look after our interests. He said that Ray Allen has made the same suggestion and that we will be discussing the matter at the next meeting of the Council of Chief Campus Officers. We decided that we might hold the dedication ceremonies for the Strawberry Canyon Recreation Area on the same day as the Charter Day exercises, perhaps one in the morning and the other in the afternoon. It is now clear that it will be impossible to do anything on Big Game Day; the facility is not nearly finished at this time.

Saturday, November 15, 1958

I am still feeling a little under the weather with the miserable cold I have been fighting all week so I spent the morning taking it easy.

Eric will be four years old on Monday. We celebrated with a birthday party this afternoon. Attending the party were Juliette Bloxham, Michael Cummock, John Fredericks, James Keyston, John Riksheim, Jan Sawyer, Gus Wagner and Teddy Warburton. Tommy Alexander and Eric's sister and three older brothers joined in the fun, of course. Our house was full of children and their excitement. They played traditional birthday party games and enjoyed ice cream and cake. Eric wore the cowboy shirt he got for his birthday from my mother and received guns, cowboy hat, rope and spurs as gifts at his party, so he feels a real cowboy now.

I was sorry to miss the Cal-University of Washington game in Seattle today to which President Odegaard had invited Clark Kerr and me. However, I was pleased to learn that the Bears beat the Huskies, 12-7. This has been an extremely good season for our football team. Our conference record, thusfar, is five wins and one loss. If we beat Stanford in the Big Game next Saturday, the Bears will go to the Rose Bowl this year. Needless to say, this will add a great deal of suspense to the usual excitement of the Big Game.

At 7 p.m. Helen and I went to dinner at the home of Dr. and Mrs. Miles Hudson. Hudson, a dentist, contributes his time to the University coaching our extraordinary rugby team which has something of an international reputation. At the dinner party I spoke with Carl Nordly, Chairman of the Department of Physical Education. We talked about various athletic matters, such as the basketball scheduling problem which arose out of the difference in interpretation of Regents policy between our school and UCLA. He mentioned to me that he and Greg Engelhard are contemplating hiring Chet Murphy (50% in the Physical Education Department and 50% ASUC) as tennis coach. Murphy is getting his Ph.D. at the University of Minnesota and has held tennis titles at the national level. They would like to hire him at $6800 (the third level of Assistant Supervisor) which would require the upgrading of a position in P.E. It seems like a good idea to me, off-hand.

Sunday, November 16, 1958

I am feeling a lot heartier today and enjoyed playing nine holes of golf with Dan Wilkes at the Contra Costa Country Club. Dan's score was 40 and mine, 43.

At 8:30 p.m. Helen and I enjoyed a concert by the University of California Symphony at Hertz Hall. After the concert the UC Orchestral and Chamber Society hosted a reception in our honor. (The reception was originally planned to honor the Kerrs, as well; however, they were unable to attend.)

Monday, November 17, 1958

Today is Blue Monday on the Berkeley campus. Tradition dictates that Cal students wear the school colors, blue and gold, on the Monday before the Big Game with Stanford. It is a very serious matter to be caught absentmindedly wearing Stanford's color, red, and there is a lot of high-spirited fun devising appropriate penalties for offenders. The long-standing rivalry between our two schools has contributed a lot of silly, spirit-raising customs

to school tradition. In the past there have also been unfortunate incidents of students getting too carried away, with resulting vandalism, etc. I do hope that everyone manages to have a good time this year without getting into or causing any trouble.

When I arrived at the Chancellor's Office this morning I spent some time going through correspondence with Anna Carol. I answered a letter from B. W. Morgan, a patient at Agnew State Hospital in need of a job as a condition for his release who wrote to me appealing for assistance on the basis that we were classmates at UCLA in 1937. I pointed out to Mr. Morgan that I was working for my doctorate at Berkeley at that time. I asked him for more information about his background and for a letter from his physician in order that I might more easily evaluate whether there might be a position for him here at the University. (This is a little tricky but I do like to respond to personal requests for help.)

E. T. Grether (Dean of the Graduate School of Business Administration) wrote me in response to my memorandum of November 5th regarding the Institute of Basic Mathematics for Application to Business to be conducted by the Ford Foundation at Harvard and MIT. He raised the question of a possible problem regarding University policy. Under the terms of the proposal, faculty members attending the Institute would receive one-half of their regular salaries through the Ford Foundation; the other half would have to be supplied by the University. Grether would like to know whether we are prepared to provide that half to attendees. Otherwise, as he points out, only faculty members who have sabbatical leave rights would be interested in participating. This raises another question: would it be acceptable for faculty members to receive the regular two-thirds sabbatical leave salary plus one-half from the Institute of Basic Mathematics? I plan to discuss the whole program and these complications with Grether at tonight's joint meeting of the Advisory Council and the Executive Committee of Faculty of the School of Business Administration in San Francisco. It seems well worthwhile trying to work these problems out; the Institute's proposed program appears potentially invaluable in helping Business Administration faculty to improve their knowledge of modern business techniques. The "Age of the Computer" is, without doubt, upon us.

Ray Bressler and I met in my office at 10 a.m. He told me that he hopes to submit all requests for special merit increases to me before I leave for Moscow on December 5th. We discussed the procedures for notifying non-tenure faculty members of their termination. Bressler suggested that notifications of termination should be initiated by a dean rather than a department chairman (when this authority has been delegated to the dean by the Chancellor). In all cases (instructors and assistant professors), if a letter of resignation has not been received by Christmas, the administration should issue the notification of termination for the following academic year at the beginning of the calendar year.

Beginning at 10:30 a.m. Mike Hone, a student, interviewed me about the Newman resolution regarding academic freedom. He is writing a paper about student-faculty relations with a special emphasis on this issue for an honors course with Jacobus ten Broek in the Speech Department. The paper is not for publication and he promised not to quote anyone; therefore, our conversation was fairly informal and relaxed. He asked me about my own views on the resolution, my experiences with investigators, and my perception of feelings

among faculty. I told him that I believe that I have probably been interviewed by more of these people (prospective employers, FBI agents, etc.) than any other faculty member. In general, I have not experienced many improper questions about student attitudes, etc. In those cases when I feel that the questions are irrelevant, I have told the investigator so. In one case, I reported the man to his boss and he was fired for it.

As I told Hone, I believe that this is the way to handle such situations-although I do realize that in some areas like Political Science, the distinctions might be more difficult to make. I think I succeeded in communicating the idea that we faculty members could operate better if left to our own good judgement than within the framework of such a resolution. I told him that I don't see this as a simple matter of liberalism vs. conservatism. I believe that some faculty members voted in favor of the resolution in deference to the wishes of faculty members who felt the need of the support of a ruling. He asked me if I am in favor of changing the resolution at a special meeting. I expressed the hope that it might be changed to recognize the usefulness of relying on faculty's good judgement alone; however, I don't have really strong feelings either way.

At 11:30 a.m. I went up to the Radiation Laboratory to attend the regular Monday, "brown bag lunch", meeting of the Chemistry staff in Perlman's office.

After the meeting (at about 1 p.m.) I received a telephone call from W. O. Milligan at Rice University in Texas in response to my letter to him about the Welch Foundation professorships. He thanked me for my comments and informed me that the professorship program is being dropped for the time being because of lack of interest from schools. I think this is a great pity; I was hopeful that my suggestion of using the professorships to aid schools in recruiting bright young men would be considered. I also tried to convey tactfully to Milligan some of the objections I have heard about his methods of handling applications, etc. I tried to point out that he needs to be more diplomatic about his dealings with men who consider themselves at his level.

I then dictated a couple of letters to Eileen Carson. I wrote to the editors of Collier's Encyclopedia (suggesting some changes in the article on "Transuranium Elements") and of the Encyclopaedia Britannica (agreeing to write an article for them on "Mendelevium").

I took advantage of an afternoon fairly free of appointments in the Chancellor's Office to confer separately with Iz Perlman, Earl Hyde, and Dan Wilkes about various matters at the Rad Lab. Before returning to the campus, I went to visit the HILAC to catch up on experimental work there.

Just after 4 p.m. I called Greg Engelhard. We talked for quite a while about athletic matters. He told me that he spoke with Rix Snyder of Stanford at a Rotary Club luncheon in Palo Alto today and that Rix implied that Stanford is not going to join the AAWU. According to Snyder, Wally Sterling told the Stanford Athletic Council that they won't come in because he believes that Oregon has a higher academic standard than Washington. He gathers that Stanford wants more backing and thinks that they would get it from Oregon. Greg and I wonder if perhaps Stanford has made a commitment to Oregon that they will not join the AAWU unless Oregon can join. Snyder asked Greg if Berkeley and UCLA will vote as one and he replied that he believes that we will on the most fundamental issues. Greg has also decided that he will not sign the ten-year contract with Stanford. He believes that he will be made to

appear the culprit in this situation but assured me that that does not worry him. Greg observed that Snyder apparently still feels that we let Stanford down by not insisting that the Sterling preamble be made a part of the AAWU Articles of Association. We agreed that we had better try to bring the Air Force into the AAWU soon. Regarding Stanford, his attitude seems to be that we might as well forget about Stanford and its entry into the AAWU. He also mentioned to me that Stanford is causing a lot of trouble with the basketball scheduling and that they also went to suspend the PCC rules next spring. He understands that they would like to allow coaches to talk to athletes in their homes and that they may propose setting up $750-$1,000 scholarships (above tuition) at the December PCC meeting.

Another matter of concern to Greg is his understanding from Wilbur Johns that Johns plans to quit next June. (Although he says that Johns has not mentioned this the last two or three times they met.) He is afraid that Johns may hire a high-powered, corner-cutting coach before he leaves. The acting UCLA coach, Barnes, is, in his opinion, good and dependable but he feels that it is unlikely that they will keep him. I suggested that he speak with Clark Kerr about this concern. He also asked me to speak with Kerr and Tom Cunningham about the proposed contract for our football coach, Pete Elliott. They want a $1,000 increase for Elliott and maybe a $500 increase for each of the six assistants.

At 4:30 p.m. I interviewed Terry Taylor who is looking for a job as an administrative assistant. Taylor has a good background and is acquainted with people here and at Livermore. I was interested in talking with him because of his experience with speech writing. However, I learned that he is not interested in a writing job; he wants an administrative position and we have no such openings right now.

At 7 p.m., following about 30 minutes for cocktails and getting acquainted, the joint dinner meeting of the Advisory Council and the Executive Committee of the Faculty of the Schools of Business Administration at the University of California began at the Pacific Union Club in San Francisco. Members of the Advisory Council (of business leaders) present were: E. C. Lipman (our host for the evening, Chairman of the Board of Emporium-Capwell Corporation), James K. Lochead, T. S. Petersen, Emmett G. Solomon, Mark R. Sullivan, Roger J. Traynor, F. B. Whitman and Brayton Wilbur. Executive Committee members present were: Professors John W. Cowee, E. Paul DeGarmo, Delbert J. Duncan, Robert A. Gordon, E. T. Grether, Frank L. Kidner, Maurice Moonitz and Royal A. Roberts. Also joining us for the evening was Russell A. Clayton, Vice President and Treasurer of Kaiser Aluminum Company and President of the California Business Administration Alumni Association. (This organization, although only four years old, is reported to be both very active and very effective.)

I presided over the meeting, beginning by introducing new members, etc. I then turned the floor over to Grether, who had a number of announcements to make about both the graduate and undergraduate business administration programs at Berkeley. Among other things, he described the plans for Barrows Hall (the new 114,000 square foot building which will house Business Administration, Economics, Political Science and Sociology) and informed the group that the target budget for the University which was presented to the California legislature is substantially reduced during this period of financial stringency.

Of real interest to me was the news that many faculty members have been using the 650 computer at the Rad Lab on Saturdays to "play business games" on an experimental basis. In these "games" strategies and decisions of business firms over a period of years are worked out in a few hours under various assumed conditions. Grether suggested that this sort of use of computers may well become a standard part of the program of business administration within a few years.

The majority of the meeting was devoted to the presentation and discussion of a preview of the study through the Ford Foundation that Aaron Gordon has been conducting on business education in this country. Gordon's remarks were extremely interesting (and confidential because he has not yet presented his findings to the Ford Foundation) and greatly impressed those at the meeting, particularly, it seems, business members of the Advisory Council.

Tuesday, November 18, 1958

I was very disappointed to receive a telegram from Nesmeyanov of the USSR Academy of Sciences informing me that the Mendeleev Congress planned for next month in Moscow has been postponed until March 1959. I have been looking forward to strengthening the contacts I made in Geneva in September and working together toward the goal of increased collaboration between Soviet and U.S. scientists. (It is also true that a lot of effort has gone into obtaining necessary permission from the AEC and the State Department and to publicizing my trip.) I immediately telephoned Eileen Carson at the Rad Lab and asked her to pass the information on to Al Ghiorso, Iz Perlman, Ed McMillan and others interested in this conference. I also asked her to prepare letters to G. N. Flerov, Victor Spitsyn, Vitalii Goldanskii and Ben Mottelson to let them know of the change of plans and to emphasize that I hope that I will have another opportunity to visit them soon.

I read with great interest the report which Otto Struve submitted on the progress of the ad hoc committee on space sciences which I appointed to investigate the University's potential involvement in space sciences. He informs me that the committee has met on several occasions as a group to exchange ideas and information and that they have also spoken individually with a number of faculty on this campus and other campuses nationwide. (He makes special note of conversations with Herb York and Ed Teller.) According to Struve, there is an enormous amount of interest on this campus in space sciences and an almost unanimous feeling that the University should actively enter this field of study. He reports that a number of our scientists are already involved in research in connection with rockets, artificial satellites and other space vehicles (some on an individual basis and others, such as at Donner Lab, on a departmental basis). Some other universities (such as the University of Maryland, University of Iowa and University of Cincinnati) are already in the process of organizing space institutes and Struve urges us to move quickly to organize our efforts here.

His report describes the tasks of the Space Science Board of the National Academy of Sciences and the National Research Council (L. V. Berkner, Chairman), one of which is to encourage participation of universities. Financial support will presumably come to universities directly from NASA or NSF. He also describes examples of the kinds of studies which other universities have proposed in the area of space science; these indicate a considerable amount of thinking in the field and some fairly sophisticated

design of instrumentation. Formally, Struve requests that we appoint a formal committee to carry out detailed studies with respect to the possible merits of an interdepartmental space institute or laboratory, including the scope of its objectives, space requirements, location and budget, and that we include $10,000 in the 1959-60 budget to initiate the work of the committee. His memo certainly conveys enthusiasm for this proposal, with which I agree.

At 11 a.m. I met with Charles Aikin (Chairman of the Political Science Department) and Lincoln Constance in my office. We talked about some of the staffing needs of the Poli Sci Department. Aikin feels that we need to strengthen their expertise in the following regions of the world: Soviet-dominated Europe, South-of-the-Sahara Africa, China and Latin America. We agreed that such specialties should be sought when making regularly budgeted junior appointments in the department. He told us of the proposed French Institute which would involve the cooperation of three universities and might benefit from the participation of Berkeley faculty. We also talked about the administrative problems associated with allocating funds from the Anonymous Donor Fund and agreed that Aikin, Constance and Mauchlan will get together to work out a more feasible arrangement which would involve both the dean and the chancellor.

After Aikin left, Lincoln Constance showed me Andreas Papandreou's "poll" of his department on a chairman to succeed Papandreou as Chairman of the Department of Economics in 1959-60. I agreed that I would accept Lincoln's recommendation of Aaron Gordon as next year's chairman. I told Lincoln that Aaron gave an excellent report at last night's meeting on business education.

I was interrupted once by a telephone call from Al Ghiorso, who just learned about the change in date of the Mendeleev Congress. He wanted to know if he might still consider going to Hungary in December. I suggested that he might not want to do so if it might spoil his chance of going to Moscow in March. We decided to talk about this more when I go up to the Rad Lab tomorrow.

At noon we held the regular Tuesday Chancellor's Cabinet meeting. Dan Wilkes joined us for the first time. Also present were: Chernin, Fretter, Hart, Malloy, Mauchlan and Sherriffs. As usual, the meeting was very useful for the exchange of information among staff. (I am generally aware of all of the areas covered by virtue of my central position.) A real disappointment for all of us was the news from Morrie Stewart that he has learned that NDEA graduate fellowships are applicable only to building up new graduate programs and will not be available to support well-established programs like those at Berkeley.

I passed on Clark Kerr's request for recommendations for Charter Day speakers. It appears likely that I will be inaugurated as Chancellor as part of the Charter Day celebration. The suggestion was made that in that case it would be appropriate to have the Charter Day speaker be a top scientist, perhaps someone like Jim Killian or Lee DuBridge.

From 2 p.m. to 3 p.m. Alex Sherriffs and I held a Student Office Hour to which four students came. Two of them came to discuss my upcoming trip to Russia. (I did not tell them that the trip has been postponed, preferring to wait until Dan Wilkes releases the official announcement.) Another came to talk about a reading difficulty she has been experiencing; she wanted us to refer her to a psychiatrist but we recommended that she get that referral from the Student Health Service.

At 3 p.m. Vice Chancellor Phillip Baxter of the University of New South Wales in Australia paid me a visit. He is also head of the Australian Atomic Energy Commission. We compared notes on our two universities (New South Wales is also growing very rapidly) and on our scientific work. Baxter spent two years at Oak Ridge National Laboratory during the war and only moved to Australia from England in 1950. He invited me to visit him in Australia some time.

Helen met me at 4 p.m. and we walked to the International House, where a group of faculty wives was hosting a reception for foreign students. At the reception I had an opportunity to speak with many of the students. (It was estimated that about 1,300 students attended the coffee hour.) Our students are from all over the world and the foreign students contribute a great deal to the quality of the University experience for our American students.

I was disappointed to hear from one foreign student, who just transferred here from UCLA, that she found the treatment in our Letters and Science office very cold, impersonal and impolite. She expressed the opinion that staff at the UCLA campus are much more friendly and concerned. However, she did admit that she finds the academic work at Berkeley more challenging.

I told Charles Jelavich of the Center for Slavic Studies about the postponement of the Moscow trip. He has not talked with Stefan Riesenfeld about the exchange proposal yet but will soon. We agreed that the postponement does allow us more time to work on this.

As we left, I bumped into Albert Pickerell of the Journalism Department in the I-House parking lot. He said that the former premier of Thailand, living in Berkeley now, would like to make a courtesy call to the Chancellor's Office and suggested that we host a luncheon for him. There is some concern that this might offend the Thai consulate so I will want to consult others for an opinion on that before proceeding with any plans.

Wednesday, November 19, 1958

From 9 a.m. to 10 a.m. I attended a meeting of the Associate Directors at the Radiation Laboratory. After the meeting Iz Perlman and I got together with Ken Street, Al Kirschbaum and Robert Donaldson of Livermore to talk about the high flux reactor in preparation for the meeting in Washington next week which I will not be able to attend. We went over the flux-trap design and the Internuclear Company proposal. Kirschbaum mentioned Ed Teller's interest in the reactor and his feeling that there may be better ways to do this than the Internuclear design. We agreed that four main points should be emphasized at the Washington meeting. 1) A single purpose isotope producer should be given to one of the laboratories as its responsibility. It should have a flux of at least 2×10^{15} and construction should be started immediately. 2) The production of transuranium isotopes is sufficient reason in and of itself for building the reactor. 3) Livermore is prepared to take on the design of the reactor. 4) A multi-purpose reactor should be built in parallel to the high flux reactor but not in place of it.

At 11:15 a.m. Bill Wurster called me to talk over a number of things that will be considered at the Regents Meeting here in Berkeley this week. He told me that Louis DeMonte, after talking with Bob West, thinks that McCue or Kitchen and Hunt would be all right for the 88-Inch Cyclotron building architects. He

THE DAILY CALIFORNIAN
November 18, 1958

THE DAILY CALIFORNIAN

Seaborg Speaks 'Survival Unsure'

By MARGARET WILSON

Solving the problems that are posed by physical resources will depend to a high degree on intelligent development of human resources, according to Chancellor Glenn T. Seaborg, in a speech before the Conservation council conference Friday.

"Education and research will determine whether man can survive in the face of growing population pressure on a dwindling resource supply," explained Seaborg.

Science and technology have become increasingly important forces in society thereby allowing universities to grow in importance too, Seaborg said.

To illustrate his point, he reviewed the contributions of universities stressing the present and projected research activities at the University, being most familiar with the Berkeley campus in his present role as chancellor.

Of importance to the resources problems is the world population which is doubling every 40 years. The Institute of Human Development at the University is in the process of studying the forces influencing population growth, he noted.

Seaborg in his discourse on the increasing world population reminded his audience of Edward Teller's year old prediction in which Teller surmised that "exponentially-increasing population may make colonization of another planet necessary within the next two or three centuries."

More population also means more mouths to feed and resource problems with water and food result. However, "'calorie' has become almost an impolite word in the United States today, and more people seem to be bothered by overeating than by under nourishment," Seaborg said.

"Water is now our most carelessly wasted resource, and is fast becoming our most precious one.

"We are no longer living on our water 'income', annual rainfall, but are drawing heavily on our water 'capital,' the underground reservoirs built up by natural processes over thousands of years," Seaborg said.

Study on water resources is presently being conducted by the department of chemical engineering at the University with emphasis on conversion of salt water to fresh water, added Seaborg.

While the food problem becomes more acute, the department of food technology in the College of Agriculture at the University is experimenting with a process for making algae palatable, stated Seaborg.

Though resource problems are numerous, collective intelligence may by-pass the limitations of food, water, energy and materials, and our nation may avoid certain irreversible mistakes. "The most obvious and final of our possible mistakes would, of course, be a thermonuclear war," stated Seaborg.

Seaborg further explained that one of these wasteful mistakes is the use of the world's resources. The United States with its lead in the consumption of goods and services in the world, consumes a disproportionate amount of the world's resources of energy and raw materials.

In establishing a perpetually-expanding production as the central goal of our economy, this makes necessary a continually expanding consumption to keep pace with it, added Seaborg.

Another irreversible mistake would be failure to support adequately the activities of institutions concerned with education and research, stated Seaborg. The University's many contributions are an aid toward solving resources problems and by implication our survival problem as well.

mentioned that there may be a problem with the renovation of University House and I told him about my conversation with Clark Kerr last Friday at the Claremont Hotel and my suggestion to him that the Regents face this issue now, make a decision one way or the other and then stop questioning it. I asked Bill to clear his attendance at the Regents Meeting through Kitty Malloy (who will probably have to call Harry Wellman about it).

I ate lunch at the UCRL cafeteria with some friends and then returned to Iz Perlman's office to sign the letters, drafted by Eileen Carson, to people I intended to visit during the cancelled Moscow trip. I also called Abe Friedman at the AEC and let him know about the cablegram. He asked for a copy of the telegram, which Doral sent. He also told me that if more than one reactor proposal is put forth at Monday's meeting in Washington, John Williams may possibly support more than one (assuming, of course, that they are substantially different).

I arrived at Dwinelle Hall at about 2 p.m. and went over some correspondence. Wally Sterling responded to my note about the Endsley editorial in the Stanford Review,

> "I am surprised that you are surprised at Endsley's piece. You may or may not know that our Alumni Association prides itself on its 'independence' from the University. Said 'independence' makes no sense to me, but the Association officers put great stock in it. The consequence is that they follow their own editorial line. I do not know whether Endsley's piece reflects Stanford alumni thinking. My guess is that it comes pretty close. You and Clark already know how I feel and what I think, so there is no need for restatement here."

It is clear that Wally wants to pout and play hard to get regarding the Stanford-AAWU relationship.

Leonard Loeb of the Department of Physics wrote me an interesting (and rather convincing) note on his feeling that lecture notes like the Fybate series serve a useful purpose. (This question came up as a result of the fact that the ASUC Executive Committee is considering attempting to abolish such extra-campus lecture aids.) As Loeb remarks,

> "With the vast numbers of students and their varied backgrounds in native ability and education, the current absence of suitable living conditions, where discussion and communication and mutual assistance are possible, as in cases where there are adequate dormitory facilities, the need for all sorts of aids to instruction is exceedingly acute."

He goes on to cite other factors like the lack of textbooks in a rapidly changing field such as physics and the large size of classes and discussion sections. He urges cooperation with the publishers of these study notes in order to assure that they are accurate and complete. He feels that in those cases when the notes are abused by being used in lieu of attendance at lectures, it is the fault of the lecturer for not making his lectures more compelling.

Ken Pitzer (Dean of Chemistry), John Kelley (Chairman of Mathematics) and Carl Helmholz (Chairman of Physics) all wrote me at Bill Fretter's request to describe the recruiting problems that result from our inability to compete with more attractive salary offers from other institutions. I will use the

information about salaries to support my contention that we must increase our faculty salaries if we are to continue to attract and maintain top-flight people.

Milt Chernin wrote me in his role as Chairman of the Strawberry Canyon Committee to let me know that the Strawberry Canyon Recreation Center will probably be ready for use after the New Year holiday and that they are planning dedication ceremonies for Charter Day. He also notified me that the committee has revised the fee schedule originally submitted by Bob Kerley on August 29th. The revised fee schedule is considerably lower; rather than a $20 annual family fee, they have now decided on a more reasonable $10 annual fee.

I signed two memoranda to Clark Kerr. One forwarded a proposal for an interdepartmental space institute with the remark that "My personal opinion is that we should go ahead full scale." The second memo gave my personal endorsement to the recommendation of the Berkeley Subcommittee on Building Names that the Anthropology wing of the Social Science and Art Unit #1 be named after Alfred L. Kroeber and that the Anthropology Museum be named in honor of Robert H. Lowie. I also wrote to Robert L. Johnson, President of Temple University, accepting the invitation to serve on the Board of the Basic Science Foundation.

I met with David Munford of the Inter-University Committee on Travel Grants at 2:30 p.m. to discuss the future prospects, plans and proposals for faculty and student exchanges with the USSR. Eight students from the Soviet Union will arrive at our campus through this program next week. They will be the first Russian students to study at an American campus through the exchange agreement. In addition to talking about our hopes for this group, we also discussed the desirability of bilateral agreements between individual American and Soviet universities. (I expressed the opinion that individual agreements are more feasible than larger programs.) Munford informed me that they are planning a general policy meeting in December to formulate a long range program for the entire exchange operation.

Dr. Frederick Hebert kept an appointment to discuss the Cowell Hospital directorship with me at 3 p.m. I mentioned to him the petition I have received from Cowell Hospital medical staff about the selection of a new director for the Student Health Service. Hebert told me that there are two points that seem to be worrying people about the possible selection of Henry Bruyn: 1) the concern that the hospital might be dominated by the Medical School (because of Bruyn's association), and 2) the fact that it was reported that at his appearance at Cowell, Bruyn said that he would let department heads go, which he later denied saying. I will have to meet with Bruyn to discuss these two issues.

Dr. Hebert also told me that he has been asked to consider serving on the Berkeley City Council as an interim appointment until April and then to stand for election. He wanted to know if his connections with the University (teaching at the Medical School one day a week, Cowell Hospital, and performing routine examinations at the Rad Lab) would preclude service on the City Council. I told him that there is considerable precedent for this (Charles Pettit and Jack Kent) so I am confident that there would not be any problem. However, I suggested that he might wish to write me a formal letter reporting this intention that I would forward to President Kerr for his information.

At 3:30 p.m. I met with Bill Monahan to discuss the leases of several fraternities and sororities whose houses are owned by the University and included in plans for housing research institutes in the immediate future. C. W. Brown joined us for the last part of this conference. Monahan also mentioned to me that Al Masters (Stanford Athletic Director) has asked to meet with him to discuss Stanford's role (if any) in the AAWU. I briefed him on our current position which is that we will not ask Stanford to join us but rather wait for them to make the next overtures.

Jim Ring called at about 5:20 p.m. to talk about arrangements for the return of the axe (the traditional symbol of victory which is so much a part of the competition between Cal and Stanford) if we win the Big Game on Saturday. He is concerned about the problems that would be caused if we were to bring an estimated 11,000 students to Stanford to reclaim the axe after a victory. We decided that if Cal wins, we will make an announcement immediately after the game that Wally Sterling and I are prepared for the axe ceremony here at our campus.

I left my office at about 5:30 p.m. to go down to Berkeley Motors to look at a car that might possibly serve as my official Chancellor's car. It is quite a job sorting out the advantages of all the many electric gismos with which 1959 models are equipped but the main problem is finding a car in which I do not bump my head on the ceiling and can readily see out the front window when I sit up straight.

At 7 p.m. I hosted the meeting of the Council of Chief Campus Officers in the Chancellor's Conference Room. The dinner meeting was, of course, presided over by President Clark Kerr. Our discussion centered around the National Defense Education Act and the needs of our various campuses for student loans, etc. We also talked about less critical issues like the policy regarding lowering the U.S. flag on campuses "in memoriam"; it was decided that this will be done only in honor of Regents, former Regents, statewide officers of the University, and local faculty (including emeriti). The half-masting of the flag for other individuals will be at the discretion of the CCO.

Thursday, November 20, 1958

I spent this morning in my Chancellor's Office reading and talking with staff there. Shortly after noon I went up to the Radiation Laboratory.

At noon the special committee on a memorial for E. O. Lawrence met in the Rad Lab cafeteria. Present were: Regent Edwin Pauley, Regent Edward Carter, Ed McMillan, Don Mutchmore (Director of the California Museum of Science and Industry in Los Angeles), C. E. Owens (Pauley's assistant) and Bill Fretter, acting as Secretary. We discussed the approach to the planning of the project, the contents of the brochure, and procedures to be undertaken in the development of the financing plan. Mutchmore shared his ideas for the development of the museum project and his experience with the capital costs of such a project as well as staffing needs. We decided that we ought to request a full-time person to undertake the direction of the project from the very beginning. (This person should be scientifically trained.) We also decided that we ought to add the following four people to our committee to facilitate the development of the financing plan: Charles Thomas (Monsanto Corporation), John Francis Neylan (former Regent), Regent Edward Heller and Stanford President Wallace Sterling.

After the meeting I mentioned to Regents Pauley and Carter that the Lawrence manuscript has serious shortcomings as an autobiography and that I would like to see a real biography of Ernest's life commissioned by the University. I suggested that Dan Wilkes might undertake the project in lieu of the hack writing for magazines with which he currently supplements his University income. We threw out the idea of a figure of $5,000-$10,000, probably to be paid back by royalties. Both Regents committed themselves to trying to make the Regents' authorization for funds for the Lawrence Memorial broad enough to include support for a biography. Ed Carter suggested that the book should come out at the same time as the Hall of Science opens.

After lunch I stopped by the Chancellor's Office briefly. I was surprised to learn that there was no correspondence of any really pressing importance. Today's Daily Cal editorial continues to fan the flames of student discontent with the functions of the Registrar's Office which were pointed out by the resignation as a major advisor of Harley Flanders of the Mathematics Department in protest of the Registrar's procedures. I approved the release of a statement, noting the cause of Flanders' argument with policy and the fact that on the day following his resignation, I referred his letter to the Chancellor's Advisory Committee to the Registrar, a long-standing body composed of both students and faculty. I recognized the number of complaints I have heard about the Registrar's Office in these days of protest and concluded,

> "I invite students to come and see me in my regular office hour to discuss these and other problems, or simply to chat. I am available to faculty members by appointment at our mutual convenience and will welcome their suggestions at any time."

I hope that these sorts of statements will serve to emphasize my "open door" policy.

Beginning at 4 p.m., I attended the Regents' Committee on Educational Policy meeting in Sproul Hall. Member Regents present were: Carter, Chandler, Boyd, Hansen, Naffziger, Steinhart, Vaughn and Pauley. Also present were: President Kerr, Regents Haggerty and Olson, Secretary and Treasurer Underhill, Vice President Corley, General Counsel Cunningham, Controller Kettler, Vice President Wellman, Chancellors Allen, Freeborn and Spieth, Provost Saunders, Vice President McCaffrey, Vice President Stull, Directors Revelle and Sheats, Vice Chancellor Noble, Assistant Secretary Woolman and Jack Oswald (as Kerr's assistant).

Among other things, they agreed to recommend the appointment of a special committee to study the potential educational uses of television, to consist of two Regents, two faculty members and two members of the administration.

We also heard a very interesting presentation of an analysis of the data of a recent National Research Council publication entitled "Doctorate Production in the United States 1936-1956" by Clark Kerr. Out of 180 institutions granting doctorates in this country, both Berkeley and UCLA are among the top 30, which granted 73% of all doctorates produced during this period. Berkeley was fifth and UCLA 28th in these numbers. In the physical sciences Berkeley was third (first in Physics, alone), in the biological sciences fourth, in the social sciences fourth, but in the arts and humanities 19th in doctorate production during the last seven years. Kerr's analysis shows that the Berkeley and Los

Angeles campuses have the same strengths and weaknesses, rather than complementing each other. He remarked that this seems to indicate that we ought to pay particular attention to the arts and humanities in planning new campuses.

Following dinner in Room 138 of the Home Economics Building, I went down the hall to Room 114 to hear John Gardner of the Carnegie Corporation talk about the role of higher education. However, I am afraid that I did not really hear as much of his remarks as I would have liked; the migraine headache (probably a consequence of my cold) which has been threatening me all day was really pounding by that point in the evening. I was very grateful after the lecture to get home to Lafayette and straight into bed.

Friday, November 21, 1958

My day began at the Regents' Committee on Finance meeting in Sproul Hall. As usual, their agenda was very long and contained many items regarding the financial operations of the University, the use of endowment funds, etc. Of very special interest to me was their consideration of our proposals regarding the Ernest O. Lawrence Hall of Science. I made a presentation of the ideas of our committee on the establishment of Lawrence Hall of Science and the commissioning of a biography of Lawrence to be published at the time the Hall is opened to the public. The Committee on Finance voted to recommend to the Full Board that $25,000 be advanced for the purpose of the preliminary sketches and a fundraising brochure and that an additional $10,000 be advanced for the biography.

At 6:45 p.m. Helen and I met Clark and Kay Kerr and Dick and Jan Erickson at the Claremont Country Club for drinks. (Dick is Executive Manager of the UCB Alumni Association.) We then began the somewhat arduous but pleasant ritual of making the rounds of alumni groups gathered for tomorrow's Big Game with Stanford. In the course of the evening, with the help of a University student driver, we dropped in on the festivities of nine different alumni groups!! I found this particularly exhausting as I have still not managed to shake off the stinker of a cold that I have been fighting for the past week or more.

Nonetheless, in the midst of all the pre-game celebrations, Clark and I managed to discuss a number of matters of concern to both of us. We talked about the Lawrence Memorial and I shared the information that Regent Steinhart feels that Wally Sterling should not be on the Memorial Committee. Clark agrees; he feels that a Stanford scientist would be more appropriate. I also mentioned the idea of having Dan Wilkes write the biography. Clark has some concern about Wilkes receiving compensation from two University sources. However, I told him that this project would take the place of Dan's off-hours writing (which he already does for magazines) and that the idea seems to be okay to both Carter and Pauley.

Clark also told me that, on further thought, he has decided that it probably is not a good idea for either of us to speak at the Representative Assembly meeting when they are reconsidering the Newman Resolution (on academic freedom). He is afraid that that might give the impression that we are trying to exert undue influence on the faculty.

Regarding athletics, Clark told me that he had a conversation with Pete Elliott and learned that Elliott is concerned about future entrance

requirements. Clark assured him that although entrance requirements will not be relaxed, they probably will not go up substantially. Elliott is also worried about the schedule for next year which includes Iowa and Notre Dame because we don't have boys that can stand up to that kind of pressure. Clark indicated that we should be more careful and keep a close eye on future scheduling. We also talked about Stanford's suggestion that some PCC recruiting rules be lifted next year. Clark thinks the code should remain substantially the same until the dissolution of the conference on July 1, 1959. I promised to pass the word to Frank Kidner for the meeting in December, at which time it will be discussed.

Clark also suggested that I begin making plans for my inauguration as Chancellor on Charter Day in March. I should decide on such questions as whether we should invite representatives from all U.S. colleges or just from California schools, if I want a luncheon before the ceremonies, who the main speaker should be, etc.

Saturday, November 22, 1958

My cold is getting progressively worse. I now have such a miserable sore throat that I can barely talk above a whisper. However, it is absolutely unthinkable that I would miss the Big Game. I will just have to do my cheering for our football team at a low volume. I am also plagued by the possibility that the rooting section will be unruly and I will have to appear before them, grab a microphone, and appeal for reasonable behavior, a very unpalatable prospect.

Helen and I attended a pre-game luncheon at the Women's Faculty Club hosted by the Kerrs. At the luncheon I sat next to our new governor, Pat Brown. We discussed the educational picture in California and the need for general improvement in education, with more emphasis on subject matter and less on methods of teaching, etc. Brown said that he will be making some speeches on education and implied that he will get in touch with me later to learn more about my ideas for improvement.

We then walked over to Memorial Stadium. The traffic was quite unbelievable, crowds of people streaming into the stadium. Our old rivalry with Stanford makes the Big Game the highlight of the football season. Today's game, however, will decide whether or not the Cal Bears go to the Rose Bowl and so the air is quite charged with excitement. The extravagant decorations along "Fraternity Row" are an indication of the student enthusiasm; a winning football team does wonders for school spirit. It is certainly a lovely, sunny day.

The game was very exciting. A few minutes before the end of the game, the score was 16-9, Berkeley leading, and then Stanford scored a touchdown, making the score 16-15. Stanford then had a choice between a placekick (which would have earned them one point and tied the score) and attempting a run or pass crossing the goal line again for two points. They attempted the two-point conversion and failed. Skip Face of Stanford, running with the ball, was stopped in his tracks by Jack Hart of the Bears. It is intriguing to realize that if the conversion rules were the same as they were last year, Stanford (whose coach Jack Curtice helped draft the change in rules) would have won the game. We won this year and are on our way to the Rose Bowl. The crowd went crazy at the end of the game. There will be a lot of celebrating in Berkeley tonight.

SAN FRANCISCO CHRONICLE
November 21, 1958

A Bookman's Notebook

Glenn Seaborg Explains The Chemical Elements

William Hogan

ONE OF the season's most intriguing books for teen-agers turns out to be one that most adults could read with profit. It is "Elements of the Universe," by Glenn T. Seaborg and Evans G. Valens. If youngsters in the high school age group—to say nothing of their scientifically naive parents—seek to learn something about modern chemistry, this is the place to start. For why begin with anything less than the best authority?

Glenn Seaborg

Dr. Seaborg, Chancellor of the University of California, is co-winner of the 1951 Nobel Prize for Chemistry. He is co-discoverer of nine of the 102 chemical elements, the only man in recent times to have made a major change in the Periodic Table of Elements. Beyond that, Dr. Seaborg and his collaborator feel that science should be a part of the repertoire of a cultured man today, and plunge right into the pleasant task of making science challenging and exciting to any curious person who picks up this book.

The book is based on the series of ten half-hour programs made by KQED in San Francisco, and filmed in the so-called "cave room" of the UC Radiation Laboratory deep in the Berkeley hills. It is the story of chemistry from an "untraditional" point of view—what an element is; when and how the natural elements were discovered; how they are distributed in the universe and put to use.

Elements of the Universe. By Glenn T. Seaborg and Evans G. Valens. Dutton; 245 pp.; illus.; $3.95.

This is all simply explained for those not already versed in chemistry, as the authors put it, and written specifically to intrigue high school students. Yet it seems a safe bet to acknowledge that most intelligent high school students today know more about basic chemistry than their parents do.

This is why I think the Seaborg-Valens book is much more than a "juvenile" in the accepted sense. It is a simple explanation of a vast, challenging and increasingly sophisticated subject which the layman of any age, equipped with a sense of curiosity, might welcome eagerly.

Notes on the Margin

. . . Poets Gary Snyder and Philip Levine will read for the Poetry Center on Sunday, 8:30 p. m., Telegraph Hill Neighborhood Association, 555 Chestnut street.

. . . K. C. Ingram of Carmel Valley, whose book "Winning Your Way With People" was a success in 1949, is the author of "Talk That Gets Results," which McGraw-Hill has just issued. It deals with the symbols—spoken, written and kinetic—that people use in their efforts to persuade others or to get across ideas or information. Mr. Ingram is a member of the National Society for the Study of Communication and of the International Society for General Semantics.

. . . C. Y. Lee's book, "The Sawbwa and His Secretary: My Burmese Reminiscences," will be published in the spring by Farrar, Straus and Cudahy. In this the Sausalito writer recounts his experiences in Mangshih, one of the Shan states on the China-Burma border where he spent three years (1940-43) serving as a secretary to the state's ruler, the Sawbwa.

It had been arranged that Wally Sterling and I would participate in the exchange of the axe ceremony (if Cal won, of course) after the game. However, as Sterling was nowhere to be seen, Joe Kapp (the hero of today's game and captain of the team), Pete Elliott and Bill Stricklin represented California in accepting this symbol of our victory.

After the Big Game, I met with Clark Kerr to go over some things that have been bothering me. I told Clark that I am frustrated by the lack of clear lines of authority. Situations like the Corley-Miller-Groff one bother me very much. Jim Corley (Vice President- Business Affairs), Jim Miller (Assistant Vice President- Business Affairs) and Ellis Groff (Statewide Budget Officer) intrude into the affairs of the Berkeley campus more than they do into those of other campuses and give us conflicting orders.

I also told him that I want a more autonomous budget. I pointed out that our budget is smaller than UCLA's and essentially no larger than his own last year. I emphasized that contrary to the popular opinion that I now have three vice chancellors, I only have 1.28 FTE vice chancellors. Rather than considering cutting our positions, I want to be able to undertake projects like a study of the educational system in California and ways that UC might be effective in reforming it, and be able to assign staff to aid in establishing the Lawrence Hall of Science and the Space Research Institute. I tried to make it clear that the budgetary limitations under which we are now operating make it impossible to do more than "stay afloat" and that I hope that my administration might actually contribute to the progress of the University and to acting constructively on our visions of the needs of the future. I also strongly feel that we need to do something about faculty recruitment- which means more dollars in order to compete with institutions able to make more attractive salary offers. Kerr listened carefully to what I was saying and I got the impression that he would not disagree with any of the points of my program. We also talked about Wally Sterling's attitude and his failure to show up for the post-game ceremonies. Clark is really concerned about this. It seems to both of us that in some ways Sterling is acting just like a petulant child.

By this point in the day, I had cheered and talked myself out. It is clear to me that I now have a bona fide case of laryngitis. Helen and I went home so that I could put myself directly to bed. Unfortunately, we had to make our apologies and cancel our plans to visit the Harts' home for cocktails and to dine at Regent McLaughlin's home. The latter is unfortunate because my relations with McLaughlin are not of the best. I find his membership on the Building and Campus Development Committee, a carry-over from the Kerr regime, obtrusive and not consistent with his role as Regent. Also I have known from the beginning of the search for candidates for the Berkeley chancellorship that he was a strong proponent for another candidate and very disappointed by my appointment to this post.

Sunday, November 23, 1958

I spent the day resting quietly (and voicelessly) at home, trying to recover my voice and energy. Helen telephoned the Engelhards and explained that we are unable to come to dinner at their house tonight as planned.

At 9:15 a.m. I listened to the broadcast on KCBS of the "University Explorer"

interview I taped with Hale Sparks on November 10th (transcript attached). I thought the interview went very well and that I managed to make clear most of my points.

I enjoyed reading the newspaper accounts of our victory over Stanford yesterday. According to the San Francisco Chronicle, 81,500 people witnessed our triumph. And, as the Chronicle notes, "The Rose Bowl choice is only a formality" now.

I also read a few letters which I had brought home with me from the Chancellor's Office. A very long memo from the committee appointed to make recommendations on the selection of a new director for the Student Health Service listed the duties of the director as they see them and recounted the history of their search and the qualifications of each applicant given serious consideration. Their conclusion is that Charles Hudson and Henry Bruyn are equally well-qualified for the position and would serve our campus loyally and effectively. They conclude,

> "The Committee is very regretful that it has taken this length of time to make its final recommendation. While the quality of the Student Health Service has not deteriorated, the staff has become increasingly insecure and edgy. We, the Committee, hope that you will be able to make an appropriate selection soon."

Clark Kerr forwarded a copy of a letter to him from Jim Corley regarding the continuing parking fee battle. Corley quoted my letter to Kerr of October 21st in which I pointed out that any revenue from parking fees paid by UCRL employees would not go to the University but to the Atomic Energy Commission. Corley argues that although it does not make much sense to make a charge to employees which would only benefit the AEC, he feels that exemption from parking fees would be "another special privilege or fringe benefit for staff of the Laboratory." According to Corley,

> "There are already variations in salary scales, certain working conditions and regulations, and this would be further differentiation between the Radiation Laboratory and the campus proper."

He contends that such distinctions are not good for harmony between UCRL staff and campus staff and would only encourage the protest of the campus faculty. (This is another example of Corley's intrusion into our affairs.) Kerr's response to Corley (also copied to me) recognizes the problem but, at the same time, advises him to drop the parking fee on the Hill. The plan to charge faculty parking fees is creating quite a furor on the campus. Faculty have assumed parking privileges as their right for a long time now and are enraged by the new plan. I would never have thought that this thing would become such a very "hot" issue.

Monday, November 24, 1958

I am feeling much better today but I cannot say that my spirits were greatly improved by spending the first part of the morning in the dentist's chair. I visited my dentist, Dr. Kent Kohler in Berkeley. (Dr. Kohler has been my dentist since 1937 and I even went to him during visits to Berkeley when Helen and I lived in Chicago 1942-1946.)

UNIVERSITY OF CALIFORNIA: RADIO-TELEVISION ADMINISTRATION

HARNESSING BRAINPOWER
Broadcast # 3803 - U.E. 1649
Sunday, November 23, 1958
Columbia Broadcasting System
KNX, Los Angeles, 9:15 A.M.
KCBS, San Francisco, 9:15 A.M.

EXPLORER: Water, forests, and mineral deposits are important natural resources. But in our modern world, trained brainpower is the most highly prized natural resource of all.

ANNOUNCER: The University of California welcomes you to its one thousand, six hundred 49th broadcast featuring the University Explorer. He talks with a distinguished scientist and educator about America's critical need for men of learning in every field of endeavor. With an interview entitled "Harnessing Brainpower", here is Hale Sparks, the University Explorer.

EXPLORER: Hardly a day goes by without some reminder, through the press, radio, or television, that the era of space travel is at hand. Rockets to the moon are now technically within our reach, and the building of space platforms with men aboard to circle the earth as scientific laboratories or as jumping off points for trips to outer space appear to be projects with reasonable chances of success in the years to come.

The fact that this new era was inaugurated by the launching of Sputnik -- a Russian achievement -- does not remove the feeling of excitement at the prospect of exploring outer space. Sputnik I and successive Russian ventures have jolted the American people out of an illusion of superiority in military and intellectual attainments. During the past year we have been forced into a much needed reassessment of our national efforts, not only in military planning, but in our whole attitude toward education and the place of the intellectually-trained individual in our society.

I have with me in the studio today a man who is uniquely qualified to discuss the importance of trained brainpower in the Age of Space. He is Dr. Glenn T. Seaborg, the new Chancellor of the Berkeley campus of the University of California. Dr. Seaborg is also professor of chemistry at the University and shared the Nobel Prize in 1951 for his work on the transuranium elements. He is also known as an inspiring teacher of young scientists, and as an authority on the peacetime applications of atomic energy.

Dr. Seaborg, in view of the need for re-examining our attitudes toward education and the place of the intellectually-trained individual, how would you, as an educator and practicing scientist begin such an appraisal?

SEABORG: Well, Mr. Sparks, I would begin by taking a look at the brighter side of the picture. We, the people of the United States, are at present the most fortunate large group of people on the face of this planet in terms of our physical well-being, personal liberty, material comfort, and the opportunities open to us for social and intellectual development. We can be thankful to our tradition of religious tolerance and the separation of church and state which allows one man to pursue activities which could have been prohibited by the religious convictions of another. In speaking of the democratic tradition, I would also give credit to our particular system of capitalistic business enterprise, the development of our public school system and the growth of our private and state institutions of higher learning. But to these and other fundamental reasons for our

present prosperity must be added another factor which is not so widely recognized This factor is the firm establishment of scientific research and development as a important base element of our industrial system. We are all aware of what the scientist has accomplished in wartime, but his contribution in times of peace is even more important.

EXPLORER: Yes, I think this is sometimes overlooked. There's the revolution in farming methods, for example, which has been brought about by scientific research

SEABORG: The same is true in medicine. During the past two decades or so we have seen the development of the sulfa drugs, the antibiotics, the introduction of new operative techniques, new drugs for the treatment of mental disease, and poli vaccine, to name just a few results of scientific research in that field. And when it comes to important industrial products and accomplishments resulting from the work of scientists the list is nearly endless: from plywood and plastics to electronic computers and atomic powered submarines.

EXPLORER: Isn't it true that the people who actually conceive and develop the idea upon which these amazing accomplishments are based make up a comparatively tiny fraction of the total population?

SEABORG: Yes, it is. And in our situation, when so many of us owe so much to the few, we would suppose that one of our chief national concerns would be for the conservation of our most important natural resource -- trained brainpower. However, there are many signs that this is not the case.

EXPLORER: How do you mean?

SEABORG: First of all, merely to maintain our present economy we shall have to carry out scientific research and industrial development on an accelerated pace. Basic science will have to be given strong support and the intellectual geniuses among us must be discovered, trained, encouraged, and rewarded. Only about 5% of our present expenditures for research and development in our governmental, industrial and university laboratories is devoted to basic research. In my opinion we should work toward an expansion by something like a factor of two as soon as possible in the funds expended for basic research.

EXPLORER: You speak of taking these measures in order to maintain our present economy. But what about the problem presented by an expanding population?

SEABORG: That's a second factor which makes the conservation of trained brainpower absolutely essential to our future well-being. The present population of the United States is about 175,000,000. We can expect an increase of almost 100% by the year 2000 — only 42 years hence. Our power consumption will go up at a much greater rate. The Federal Power Commission estimates that by 1980 we shall need three times as much power as we are using right now.

EXPLORER: I take it this means we will have to develop our nuclear power generating capacity.

SEABORG: Yes. In a few decades atomic power will be for us an absolute necessity. There is also hope that solar power or the use of controlled thermonuclear reactions will add eventually to our supply of energy from other sources.

EXPLORER: Economists tell us, Dr. Seaborg, that because of a rapid population growt our present farm surpluses will disappear. What does this mean in terms of our need for trained brainpower?

SEABORG: We shall certainly require all the skill of our agricultural experts to raise productivity to the required levels. These difficulties are aggravated by the withdrawal of a very sizeable proportion of our best farm lands for other uses such as urban development, freeways, military installations and factories. New methods of food processing to secure greater utilization of our plant and animal crops and to reduce waste and spoilage will have to be devised. We shall be faced with increasing difficulties in obtaining sufficient forest and mineral products. The adoption of adequate conservation policies and the development of substitute materials will assume great importance. Congestion in our cities will intensify our present problems and create new ones in transportation, utilities, water supply, waste disposal, public health and recreation, mental health and social behavior.

EXPLORER: You've presented a formidable list of problems to be faced by the coming generation in the United States. How can we best meet these problems?

SEABORG: If my analysis means anything at all, we need to insure that a high percentage of our most gifted young people be trained to a very high degree in intellectual and professional fields. The graduates of the near future must exceed the past generation not only in numbers but in quality. We have an almost explosive increase in the numbers of students at the same time that the social and economic position of the teacher relative to the rest of society has fallen so precipitously that only a small fraction of the needed qualified teachers can be found. The tidal wave of new students has reached the primary schools and is reaching the high schools, resulting in the overcrowding and split sessions so common in most communities.

EXPLORER: And what is the situation in our colleges?

SEABORG: Our colleges are just now feeling the upswing after the downturn following the expiration of the GI Bill. Not only is the college-age population growing but the percentage of that population seeking a college education is also increasing.

EXPLORER: How are these primary, secondary and college-level students going to be accommodated?

SEABORG: At present the physical space simply does not exist to take care of these students. We need something like 700,000 new classrooms for the next few years, not to mention laboratories, libraries, recreational and other facilities. Finding the teachers to staff these classrooms is an even more difficult problem. We shall need 600,000 new teachers by the end of this decade. At the college level we shall need 25,000 new faculty members per year.

EXPLORER: I understand that only a very small percentage of those who receive college degrees -- particularly in the sciences — accept jobs as teachers.

SEABORG: That is our problem. Teaching, far from being a well-paying profession, is one of the most poorly rewarded occupations. The starting salaries are substantially less than those available in industry for college graduates and after many years of service will not increase substantially, whereas a college graduate in industry will typically double his salary in five years. Furthermore, every year thousands of capable teachers leave the profession because they simply cannot support their families in any decent standard of living on the pay which they receive. It is pure fantasy to believe we can effect any real change in our school systems without a drastic change for the better in the economic incentives for teachers.

EXPLORER: Isn't it true, as many concerned individuals have said, that we have some serious shortcomings in the quality of our secondary school education?

SEABORG: Yes. In too many schools the inspiration of a gifted, inspiring science teacher is lacking. Students of unusual intellectual endowments are not encourag or are actually repelled, and if later they do develop an interest in science the find that their high school preparation is inadequate to permit them to elect a science or professional major field of study in college.

EXPLORER: Well, it seems to me that these are problems of such proportions that they can't possibly be solved for many years. What is our approach to questions like the ones you have presented here?

SEABORG: Though the problems are certainly great, I believe that determined steps can be taken to improve immediately the quality of the education of our youth w hile we build for the future. Certain groups, both private and public, have already initiated steps to alleviate the difficulties, and I should like to add a few personal comments on possible solutions. First, a great many more of us a going to have to realize how important it is to our continued national well-bein and progress to maintain and expand our public school system. Surely a nation which can afford five billions annually for tobacco, 10 billions for hard liquo and 2 billions for TV sets will not be brought to its knees by some billions of additional expenditures for education.

EXPLORER: And this would mean, wouldn't it, the immediate outlay of sizeable funds for classroom construction and for thumping increases in the pay scales of our teachers.

SEABORG: Certainly. And we need to establish the principle that it is in the national interest that every student above a certain level of ability, regardless of his origin and the status of his family's finances be privileged to carry his education as far as his personal motivation and his scholastic ability will take him. This principle requires that a system of scholarships paying a major fraction of tuition, book and living expenses be established. These scholarships should give the student great freedom in his choice of school and choice of fiel of study. Congress has already taken some action on scholarships.

EXPLORER: What about new teaching techniques, such as the use of television?

SEABORG: We are not quite sure of the most effective role of television, audio-visual aids, and other methods in and outside of our modern classrooms, but certainly their role is important and should be explored thoroughly at once so that our limited numbers of teachers can be used more effectively. Also, we need to relieve our present teachers of the clerical and menial tasks which take up 1/3 to 2/3 of their time. For the gifted student we should explore techniques of self-teaching and individual study with much less detailed guidance from the tea er. We must re-examine our licensing procedures which now contain much nonsense And we need to do a much better job of counseling the young and instilling a bet attitude or motivation toward intellectual pursuits in general. In summing up, should say that our performance in solving or in not solving the educational cri in our country will be a measure of our success in remaining a major world power.

EXPLORER: Thank you, Dr. Seaborg, for being with us today and helping us to reasse our national efforts in education at this moment of history -- the beginning of the Age of Space.

# # #

When I arrived at my Chancellor's Office, I read a copy of a memorandum of a telephone conversation between Alex Sherriffs and Dr. Margaret Zeff (Acting Director of the Student Health Service), which informed me that over 100 of our students were treated (and 46 hospitalized) for food poisoning after the Big Game last Saturday. All but one of the students had eaten gremlins (a frozen orange product) and we can only assume that the gremlins were the source of contamination. None of the Stanford rooters came down with the symptoms; it is apparent that the problem was restricted to products sold in the California rooting section. Dr. Zeff wants faculty to be aware of the fact that these students will not have an extended Thanksgiving holiday.

We received, as expected, the telegram officially notifying us that a telegraphic poll of PCC members has unanimously selected Berkeley as this year's Rose Bowl representative. Our opponent will be the University of Iowa, tough competition.

At 10:30 a.m. Jim Hart and I met with Carl Wennerberg (Berkeley Superintendent of Schools) to talk about ways of coordinating the efforts of industry, school and University officials in improving our educational system. Wennerberg wants to establish some kind of industry council that would seek ways of promoting industry's participation in and support of school programs. I heartily support his idea and would like to see the University participate in the formation of such a council. I suggested that we might host a meeting of representatives from industry, the school district and the University to talk about such a program.

Our conference was interrupted once by a telephone call from Greg Engelhard. He and Frank Kidner met with Pete Elliott (our football coach) to discuss the terms of his new contract and learned that Elliott does not want to sign a new contract until after the Rose Bowl game. This causes Greg some concern and he wants us (Greg, Frank and me) to meet in the next few days about this. Greg said that he is sending me a copy of the Rose Bowl activities schedule. I asked him to deal with Clark Kerr regarding the distribution of complimentary Rose Bowl tickets (to legislators, etc.) rather than with Jim Corley as in the past. Apparently Corley was given 850 tickets to give out for the last Rose Bowl game in 1951. Greg promised me 100 tickets to use at my own discretion.

At 11:35 a.m. I called John Saunders (Provost at the Medical School) for a recommendation for Henry Bruyn as director of our Student Health Service. He said that he would recommend Bruyn for the position, that he is a very lively person and a good medical doctor. In his opinion, Bruyn has done fairly sound research (although not perhaps as much as he might have done). He agreed to the arrangement of a 0.2 FTE appointment for Bruyn at the S. F. Medical School.

I then went up to the Radiation Laboratory for the regular Monday noon brown bag lunch meeting of the Chemistry staff. After the meeting I spoke briefly with Bill Nierenberg who had read the press release on the computer translation of scientific material from Russian to English. Bill objected to the story's statement that this is the first time that this use of computers has been realized; he informed me that it was done several years ago at Columbia. I will have to remember to mention this to Dan Wilkes.

Returning to the Chancellor's Office, I dictated several letters. I wrote to Ellis Steinberg at Argonne in response to his request for feedback on the article on nuclear chemistry he wrote for the McGraw Hill Encyclopedia on Science and Technology. Ellis has attempted to make a rather clear definition

of the distinction between nuclear chemistry and radiochemistry "for perhaps the first time in print" and wrote to me because he is "anxious to determine the degree of acceptance among experts in the field." I wrote him that his definition essentially agrees with mine.

I read an interesting memo from Ted Sherburne on the subject of television projects currently under discussion for the Berkeley campus. Possible uses of closed circuit television include the use of TV by student teachers for classroom observation; the use of television for observation by the Institute of Human Development (of such subjects as children at play); the distribution of teaching films by TV (i.e. instead of having projectors and films in each classroom, educational films could be broadcast from one central location); use as an aid in teaching for such things as close-up views of demonstrations, experiments, etc. Broadcast television would be a matter of actually preparing class lectures, etc. and teaching them through the television media (much like what University Extension has already done). Another intriguing suggestion is the possibiliity of inter-campus closed circuit television which would allow the exchange of lectures with colleagues at other campuses. It seems to me that the possibilities are practically limitless and that we have only just begun to explore the medium.

At 3:30 p.m. Harley Flanders came in at my request to discuss his complaints about the Registrar's Office with me. (Flanders started all the hoopla about the Registrar's procedures when he resigned in protest to a request for a detailed explanation to back up his request that a student's late filing fee be waived.) His major complaint seems to be that the Registrar's Office makes too much work for faculty by all their requests for information, formal memos, etc. He questioned whether the Registrar should be allowed to give assignments to faculty. He also complained about the new rule regarding grade changes that allows changes only on the basis of clerical error and does not accept the argument of a mistake in judgement. According to him, this is quite a laughing matter among faculty.

I told him that regarding his particular complaint in the recent incident, it will probably be decided that a simple note from a faculty member stating "I was responsible for the missed deadline" will suffice. I asked him to talk with Registrar Gilliam about his other objections to Registrar's procedures; he agreed to do this, asserting that he has no special campaign against Gilliam. He mentioned that he abandoned his intention to circularize the faculty on this issue because an addressograph list is not available to faculty for this purpose. I do not intend to provide one; I can well imagine the amount of extra paper that would begin flying around the campus airing everyone's particular pet peeve.

Just before 5 p.m. Clement French (President of Washington State) telephoned to congratulate us on the Rose Bowl and to inform me that he has sent a telegram to Frank Kidner, requesting waiver of Section 9.02 of the PCC Code. (Washington State wants to play in the Sugar Bowl, which is prohibited by the PCC Code.) I would not support this request if this were not the last year of the Pacific Coast Conference. However, I indicated tentative agreement and said that I would talk with Kidner about it.

At 5 p.m. C. W. Brown, Louis DeMonte, Sandy Elberg, Jim Hart, Ed Strong and I met to discuss the development plan for the campus. DeMonte is concerned because the development plan (approved by the Regents in August 1956 and amended in May 1958) was based on the needs of a campus enrollment of 25,000

and it now appears that we should be planning for 30,000 to 35,000. We decided that we ought to be less conservative in developing plans for facilities and allow for the possibility of a larger future enrollment. DeMonte will modify the current plans to prepare for the contingency of added expansion.

We also talked about the possibility of using the tide lands on the Berkeley waterfront. Some suggestions for use of the waterfront are athletic fields (i.e. football, baseball, track, basketball), parking (with shuttle buses to the campus), residential colleges, research institutes, married student and faculty housing, and storage facilities. We determined that a study of these possibilities ought to be initiated by the Campus Planning Committee. It is clear that we have a critical need for additional space and moving such activities as the athletic stadiums and research institutes to the waterfront might free more campus land for other academic purposes.

At 6 p.m. I walked over to the Durant Hotel for the dinner meeting of the Intercollegiate Athletic Advisory Board. Present at the IAAB meeting were: Chairman Bill Keeler, Student members Bob Chiappone and Roger Gregg, Faculty members Carl Nordly and Hurford Stone, Alumni members Stan Barnes and Bennie Lom and several guests (including Greg Engelhard, Frank Kidner, Bud Hastings and Bill Stricklin). At the dinner preceding the official business of the Advisory Board, I asked Greg Engelhard for his reaction to the Washington State request. He thinks it is a very poor idea to approve this and said that he received a telephone call from Lay Leishman of the Tournament of the Roses Association late this afternoon expressing his strong opposition. Greg also declared his conviction that the proposition will also be opposed by NBC (who covers the Rose Bowl), UCLA and USC.

The business of the evening began with our congratulating ourselves on the Rose Bowl and considerable discussion of the excellent performance of the football coaching staff during the current season. It was unanimously agreed that it be recommended to the Executive Committee of the ASUC that as of March 1, 1959 Coach Elliott be offered a three-year contract at a salary increase of $1,000 and that his staff be offered one-year contracts with a $500 increase each.

I left the meeting early and returned home to Lafayette. At about 9 p.m. I called Clark Kerr to relate my conversations with Clement French and Engelhard. He said that he is basically in favor of allowing Washington State this freedom but would leave the matter up to me.

I also told him about the meeting on campus development this afternoon. He advised me that the Chancellor's Administrative Advisory Committee (CAAC) opposed the establishment of a close (satellite) campus when he proposed it several years ago. In addition, a study by the City of Berkeley pointed out considerable difficulties with extensive building at the waterfront and Clark is convinced that there would be intense opposition from alumni groups to moving athletic facilities like Edwards Stadium away from the campus. So much for this afternoon's enthusiasm for this solution to our pressing space problems...

Tuesday, November 25, 1958

I arrived at my Chancellor's Office early this morning and dictated a couple of letters. I wrote to Clark Kerr regarding my wishes for my inauguration ceremony on Charter Day, suggesting that only representatives from California schools be invited, that there be no formal luncheon and that Lee DuBridge (President of Cal Tech) be the main speaker.

I also wrote to Dwight E. Gray (Editor of the American Institute of Physics Handbook) remarking that it seems generally to be a very useful collection of reference formulae and data and passing on several comments on ways that it might be improved. My primary criticism is that the section on nuclear gamma rays is in real need of expansion; I elaborated on ways that this section could be improved and suggested several people who might be able to aid that effort.

Frank Kidner called me at 8:30 a.m. and we agreed to vote in favor of the Washington State College Bowl proposal. I also informed him that Kerr and I have decided that I should not speak about the Newman Resolution at the December meeting of the Representative Assembly to reconsider it. He understood the reasons for changing our minds in this regard. Faculty have always placed great value in the principle of self-government on this campus and we want to be very careful not to interfere with their policy decisions--particularly about an emotional issue like academic freedom.

At about 9 a.m. I went up to the Radiation Laboratory to join Ed McMillan in greeting Queen Frederika of Greece as she arrived at Building 50.

Greeting Queen Frederika of Greece at the Radiation Laboratory
November 25, 1958
L to R: unknown, Queen Frederika, Edwin M. McMillan, GTS

The United States Atomic Energy Commission has given a small reactor to Greece which will "go critical" next week and the Queen is travelling here to learn more about nuclear research. She has been studying atomic physics with a Greek scientist for the past two years and quite surprised us by her very

intelligent, well-informed questions about our research here. She is also a very charming lady and it was a real pleasure to meet her.

I returned to the Chancellor's Office at around 10:30 a.m. As I entered my office, a telephone call came through from Rix Snyder of Stanford. He wanted to discuss the vote on the Washington State proposal. I told him that Kidner has already voted in its favor. He expressed concern about the possible adverse reaction from the Tournament people and from Tom Gallery of NBC and is thinking about calling Clement French or Emmett Moore to suggest a second vote. Negotiations with Stanford on athletic matters are always difficult.

Lincoln Constance and I had our weekly meeting beginning at 11 a.m. David Boyden (Chairman of the Music Department) joined us for the beginning of our meeting in order to acquaint me with the proposal for hosting the National Association of Music Executives of State Universities in January 1960. It is estimated that approximately 45 people would attend the meeting and that the cost to the University would be $500-$1,000. I promised an early answer to Boyden.

Then Lincoln and I continued our meeting. At my request, he is in the process of appraising the strengths and weaknesses of various departments in the College of Letters and Science and shared with me the results of his meetings last week with the chairmen of the French and Geology departments.

We were interrupted twice by telephone calls about the Washington State request to the PCC. There is considerable furor over the vote on this matter. Greg Engelhard called me from Pasadena (where he is visiting to make arrangements for our participation in the Rose Bowl) to let me know that Hugh Willett (USC) is opposed on constitutional grounds to voting on this issue and wants our support. I can understand the argument that this is not a matter to be put to a vote and that the regulations of the PCC Code should stay in place for the duration of the Conference. I told Greg to tell Willett that, upon reflection, I am inclined to accept his reasoning.

Five minutes later Rix Snyder telephoned to report that he has talked with Emmett Moore of Washington State University to let him know that Stanford will vote against the WSU request and that he understands that I have had some second thoughts about the validity of voting on this. He is going to phone Hugh Willett to express Stanford's support of his (Willett's) objection.

Around noon I went back up to the Rad Lab to attend a luncheon in honor of Queen Frederika in the cafeteria. Helen, Kay Kerr and Elsie McMillan acted as hostesses for the luncheon. The group was rather small, consisting of twelve or so of the top nuclear scientists at the Laboratory and members of the Queen's party. After the luncheon I had planned to escort the Queen on a tour of Building 70 (Chemistry Research Building) but due to the demands of the Chancellor's Office, I asked Iz Perlman and Stan Thompson to stand in for me. I am sure that they did an excellent job of explaining our work to the curious Queen who asks such impressively searching questions.

Ed Strong (who was also a guest at the luncheon) and I excused ourselves and returned to the campus to join the meeting of the Chancellor's Cabinet which had begun, as usual, over a brown bag lunch. Present were: Milt Chernin, Bill Fretter, Jim Hart, Kitty Malloy and Alex Sherriffs. The first item of discussion after our arrival was the National Association of Music Executives of State Universities meeting proposed by David Boyden yesterday. We decided in favor of holding the meeting here at the Berkeley campus.

I then made a report on the meeting of the Council of Chief Campus Officers and on the Regents Meeting, emphasizing my special pleasure in their decisions to raise the educational television budget to $250,000 and to support the preliminary work on the EOL Memorial.

At 1:20 p.m. Roy Hall telephoned to ask if I would serve on the U.S. Office of Education's new Educational Media Advisory Committee. This is the group that will make decisions on proposals under Title VII of the National Defense Education Act for television projects. In response to my question about the amount of time such participation would demand, he said that it would very much depend on whether the committee evaluates projects itself (which might take six days each quarter) or assigns evaluations to sub-committees or consultants. I accepted the appointment. He commented that he has heard through the grapevine good reports about our efforts to explore educational uses of television here on the Berkeley campus.

I then wrote to Harvey White about my conversation with Queen Frederika this afternoon in which she expressed interest in learning more about his television course in physics, asking him to send information on the course to her at the Royal Palace in Athens. The Queen certainly impressed me by her active interest in science and science education; she differs from too many heads of state in this regard and sets a marvelous example to her people in their efforts to enter the modern age.

I also signed a memo to Budget Officer Groff outlining my priorities for the Berkeley campus. My highest priorities are the interdepartmental electron microscope, the Radio-Astronomy Laboratory, and improvement in student-teacher ratios. I recommended strongly that no further cuts be made in Berkeley teaching staff and that consideration be given to possible financing from endowment funds for the Radio-Astronomy Laboratory and for the staff position for the electron microscope.

I note that Patent No. 2,861,866, Wet Fluoride Separation Method (to separate U^{233} from Th), was issued as of this date to me, J. W. Gofman and R. W. Stoughton.

At about 2:30 p.m. I met Helen and drove to the Kerrs' home in El Cerrito for the reception for Queen Frederika there. It was a very pleasant, informal occasion which we all enjoyed. I believe Ed McMillan was quite sincere in his remarks to the press this morning that if Queen Frederika ever gives up her royal robes and looks for a job, there will be a position as a research associate open for her at the Laboratory. She is so sharp that she asked many sophisticated questions that Lab staff were unable to answer, about areas we have yet to explore.

Wednesday, November 26, 1958

I spent the early part of the morning working on correspondence, etc. in the Chancellor's Office. I read a letter from Louis DeMonte about Unit I of the Chemistry Building. He remarks that the working plans for this new building do not provide for cooling facilities to take care of the amount of heat which it is anticipated will be generated by experimental equipment in the building. As DeMonte points out, certain heat-producing equipment is already in use by the Chemistry Department which represents new developments in the field of chemistry and we will need to provide for cooling these in the

initial operating phase of the building. However, it is also true that it is expected that there will be more and more research of this type in the future and we should provide for these future installations in the building design. Unfortunately, these considerations were not taken into account in the plan which was approved by the Regents. DeMonte is hopeful that we will be able to accommodate the alternative design bids within the framework of the approved funds. He is seeking bids both for a general cooling system for the research spaces and for a second alternate which would add water-cooling equipment, together with distribution piping throughout the building, to serve cooling loads in certain of the research spaces having especially high heat gains. It is interesting to note how very difficult it is to anticipate the needs of the campus buildings when science and the needs of scientific research equipment are so rapidly changing.

I wrote to D. Gordon Tyndall (Executive Director of the Academic Retirement Office) expressing my approval of his draft of changes in "Regulations Regarding Reappointment of Emeriti". In the past the regulations regarding re-employment of retired professors limited the amount of compensation which could be offered to the difference between retirement payments and salary at the time of attaining age 67. This, combined with the fact that returning or continuing professors did not receive any credit for years of service after retirement age, has discouraged the possibility of our professors considering reappointment here. For these reasons, also, we have not been able to compete with other institutions which are often anxious to secure the services of our retired faculty. The new rules should be advantageous to our wish to retain certain faculty as well as to the finances of the retirement system.

An editorial in today's Daily Californian complained about a lack of communication between the ASUC Executive Committee and the Athletic Department. It remarked on the fact that neither Pete Elliott's new salary (as part of the contract we are trying to negotiate before the Rose Bowl for the football coach) nor the University's participation in the Athletic Association of Western Universities (AAWU) have been considered by the Executive Committee:

> "Ex Com, it appears, manages the athletic plant but really takes no part in the development of athletic philosophies and really doesn't know what is going on."

This actually seems like a fair criticism but I cannot help but believe that student involvement in sensitive negotiations like the formation of the new athletic conference would create a fear of confidentiality leaks and endanger negotiations.

At 11:30 a.m. I met with Henry Bruyn in my office to discuss the possibility of his appointment as Director of the Student Health Service at Cowell Hospital. I was anxious to determine what his attitudes are in regard to changes in the Cowell Hospital staff, worries that the hospital would be dominated by the San Francisco Medical School, and his continuing research work. I confided in him that a great deal of concern has been expressed about reports that he would replace department heads at Cowell if he were appointed.

He told me that he does not intend any full scale replacements but does intend a gradual replacement of several department heads who are held in low repute in the medical community as incompetents. He assured me that Cowell Hospital would not be dominated by the Medical School while mentioning that he hopes to initiate much-needed coordination between the Medical School and the Student

Health Service (i.e. rotation of some medical school personnel for service in Cowell). He intends to continue his research work (although on a reduced time basis) if appointed and hastened to reassure me that he would not use our students as guinea pigs for his experiments. We concluded our conversation by agreeing on the proposed 0.2 FTE appointment at UCSF (if he is our choice) and by my promising that I would make the decision very soon. On the whole, I was quite favorably impressed by him.

At 12:15 p.m. the Chancellor's Advisory Administrative Council met in the conference room. Present were R. G. Bressler, W. A. Brownell, M. Chernin, D. Coney, L. Constance, J. P. Danton, C. C. Gilliam, E. T. Grether, J. D. Hart, R. Kerley, F. L. Kidner, M. T. Morris, C. F. Garland, K. S. Pitzer, W. L. Prosser, K. A. Ryerson, A. C. Sherriffs, C. E. Smith, T. B. Steel, M. A. Stewart, K. B. Stoddard, H. E. Stone, E. W. Strong, H. J. Vaux, O. W. Wilson and a guest, Gerald Marsh (Director of Summer Sessions).

I opened the meeting by announcing that the first seven Russian graduate students to visit our campus under the exchange agreement with the Soviet Union are expected to arrive tonight. (Four of our students have been studying in Russia since September under the agreement.)

I then introduced Anna Carol Dudley, who will serve as secretary to the CAAC because Dorothy Powell is being reassigned to the President's Office.

I then reported on the actions of the Regents at their meeting in Berkeley last week.

A discussion of the effect of our experiment in liberalizing University Regulation #17 (which prohibited the appearance on campus of candidates for state office who might later review the University's budget) showed members of the Council to be in favor of changing the regulation to allow this liberalized policy to continue.

We also talked about the upcoming visit from the Western College Association accreditation committee and how to coordinate it, about the National Defense Education Act and the implications of the limitations on grants-in-aid to new graduate programs, about the need to develop more proposals for the use of educational television and about procedures for notice of termination to non-tenure academic personnel.

We began a discussion of the need to change summer session offerings to comply with the requirement that the courses be equivalent in subject matter and in unit credit to courses offered in fall and spring sessions. However, we ran out of time and will have to take this up again at our next meeting.

After the meeting I talked with E. T. Grether and Bill Prosser about the conference they attended earlier this month on "Issues Facing the State University" at the University of Texas. They said that they found the conference quite interesting but not at all exciting; apparently it did not turn out to be "one of the most significant educational conferences of our generation" as advertised.

At 3 p.m. Ted Sherburne called me to tell me about the hearings that are going on in Sacramento to consider granting an additional $125,000 for proposals for the use of educational television. I asked Ted to emphasize our interest in experimenting with the use of closed circuit television and the current proposals by the School of Education and the Institute of Human Development.

At 3:20 p.m. in the Chancellor's Conference Room the Academic Advisory Committee met. Members present were: R. G. Bressler, C. W. Brown, L. Constance, W. E. Farnham, J. D. Hart, C. W. Jones, F. L. Kidner, D. W. MacKinnon, M. Moonitz, A. C. Sherriffs, M. A. Stewart and E. W. Strong. Also attending were Leslie Lipson (Acting Director of the Institute of Social Sciences) and Bob Kerley (Acting Business Manager).

Ed Strong initiated a discussion of the law school's recruiting problems, characterizing their difficulties as an emergency. As in many other professional fields, desirable people are often not interested in teaching here because salaries for the appropriate academic rank cannot compete with offers from other sources. Two alternatives were discussed and rejected: 1) to establish a separate salary scale in fields of this type and maintain comparability of academic rank throughout all departments of the University, and 2) to keep the salaries comparable, rank for rank, throughout the University and to appoint to higher ranks in fields where recruiting competition from other sources is greater. Neither alternative appealed to committee members and there did not seem to be any agreement even as to which of the two proposals is less undesirable. The group leaned, perhaps, toward the notion of maintaining the meaning of academic rank and paying higher salaries in certain fields on an ad hoc basis, if necessary.

We then moved on to the discussion of the optimal balance of undergraduates and graduates for a campus enrollment of 30,000. The decision was to work toward a distribution as follows:

Lower Division	9,000
Upper Division	11,000
Graduate Division	10,000

Dean Stewart warned that this estimate of graduate enrollment is probably ultra-conservative, if the University wishes to stick by its policy of admitting all qualified graduate students.

The meeting concluded at 4:50 p.m. after Leslie Lipson made his presentation on the plans and needs for facilitating research in the social sciences. There was considerable discussion about the ways of financing these research activities through the support of foundations; unfortunately, foundation grants almost always require matching funds from the University.

Thursday, November 27, 1958- Thanksgiving Day

I began this holiday by reading some of the material I brought home with me from the Chancellor's Office. A memo from Bill Fretter regarding the latest proposal from the Committee on the Marine Biological Laboratory informs me that the Educational Policy Committee approved a prior proposal in 1956 which specifically limits the Laboratory to a teaching function. The new, expanded proposal outlines both teaching and research activities and seems very substantial and attractive. I okayed writing C. W. Jones (as Chairman of the Educational Policy Committee) to seek his advice on the new proposal, which apparently has a good chance of being funded by NSF to the tune of $1-3 million.

SAN FRANCISCO EXAMINER, November 26, 1958

Frederika Knows Her Atoms

Berkeley Physicists Find

'We Never Had a More Stimulating Visitor'

Greek Queen 'Good Enough To Get Job as Researcher'

By JOHN F. ALLEN

If Queen Frederika ever doffs her royal robes and has to look for a job, there's one awaiting her as a research associate in the University of California nuclear physics department.

This was the carefully considered empioyment offer yesterday of Edwin McMillan, Nobel laureate and director of the University's Radiation Laboratory.

He meant it too, because Ed McMillan is not a man given to meaningless statements, just to be polite.

INFORMED QUESTIONER.

After a morning spent with the Greek Queen inspecting the awe inspiring atom splitting machines, McMillan had this to say:

"We have never had a more stimulating visitor. I mean that. And that includes not just the celebrities, but the scientists who visit here.

"I'd be delighted to take her on as a researcher any time. She knew what she was talking about. Her questions were searching and informed.

"She reached the tag end of things. You go down and down and down, smaller and smaller into the heart of the atom and the heart of its nucleus.

"And the Queen wants to know what are nuclear particles made of? Here we have to confess our ignorance."

TUTORED IN PHYSICS.

In preparation for her trip and for an understanding of Greece's first atomic reactor, which will "go critical" next week, the pert and disarmingly pretty Queen has been tutored twice a week for the past two years in atomic physics from a Greek scientist.

The reactor, a small, swimming pool research type, is a gift to Greece from the United States Atomic Energy Commission, and is expected to spark a concentrated research program in Athens.

The Queen was up early yesterday morning in her 16th floor suite at the Mark Hopkins, and breakfasted, according to wide eyed hotel staffers, on a man sized order of ham and eggs.

Leaving Princess Sophia still asleep, the Queen was in the lobby by 9 a. m., an early hour considering Monday's strenuous day of official rounds.

She was dressed in a smart suit of coffee and cream colored wool, a brown and blue feathered turban and matching alligator bag and low heeled shoes.

HOUR-LONG BRIEFING.

Accompanied by a bevy of AEC officials and two plainclothes cops, the Queen was whisked across the Bay Bridge at a 70 mile an hour clip.

She was greeted at the radiation laboratory administration building by McMillan, Edward Lofgren, Glenn Seaborg, Luis Alvarez and a dozen more of the men who are as at home in the submicroscopic world of the atomic nucleus as the Queen is at a royal reception.

Her hosts gave her a preliminary briefing, which lasted just under an hour.

From the administration building the little Queen, looking tinier still among the long, lean physicists, strolled to the huge circular building in which nests the incredible bevatron, America's most powerful atom smasher.

From a balcony within the building she looked down over the immense, cement enclosed machine — which whirls atomic bullets around at an incredible energy of over 6,000,000,000 electron volts — while Lofgren explained its workings.

ABANDONS THE PRESS.

Later she stopped enraptured before the big console control board from which the bevatron is run, enthralled by the flashing lights, the dials, the levers and all the rest of what makes the room look like a child's dream of a space ship cockpit.

Her next stop was at one of the Rube Goldberg-looking bevatron take off stations, where the ruptured nuclei are detoured out of the speeding circle, and into cloud chambers and other devices designed to help identify the exploded particles.

For the rest of her stay on the Berkeley campus, the Queen abandoned the press; politely but firmly she demanded that they leave her. This was a job to be done, a curiosity to be quenched.

For what happened during the rest of her scientific tour reporters had to rely on the memory of McMillan.

"This was really unique," he said. "We've had plenty of famous scientists up here on the hill who asked less penetrating questions than this impressive woman. It's a pretty good sign when a visitor asks the sort of questions — both physical and philosophical — that none of us can answer."

Her Majesty's impressive knowledge encompassed even the terribly esoteric field of anti-matter, which theoretical physicists suspect composes a sort of unseen, through the loking glass infinity or opposites.

Was it possible, the Queen asked, that other inhabited planets in the cosmos (postulated recently by the university's Melvin Calvin to exist in the millions) are unseen by us because they are anti-matter?

"That," said McMillan, "is quite a question, and one I think that had occurred to none of us."

Also, of course there was no answer, but the Queen of an ancient land which germinated modern philosophy allowed herself a philosophical observation:

"I suppose it's possible that the anti-matter world seeks the world of matter, as we seek for an understanding of anti-matter. The observer and the observed are both parts of a great unity."

One episode typified the graciousness that has so charmed her own people and Americans.

McMillan said that he noticed the Queen's eyebrows rise in sudden memory as she was introduced to Thomas Ypsilantis, one of the university's more brilliant young physicists.

"I assumed," McMillan said, "that it was just because she'd recognized a Greek name. But not at all. She talked with Tom for a long time in Greek and it was only afterward that we learned the story.

"While the Queen was in Salt Lake City, Tom's mother, who lives there, was part of a Greek delegation that met Her Majesty. Mrs. Ypsilantis boasted to the Queen about her brilliant son and asked her to carry a mother's message of love.

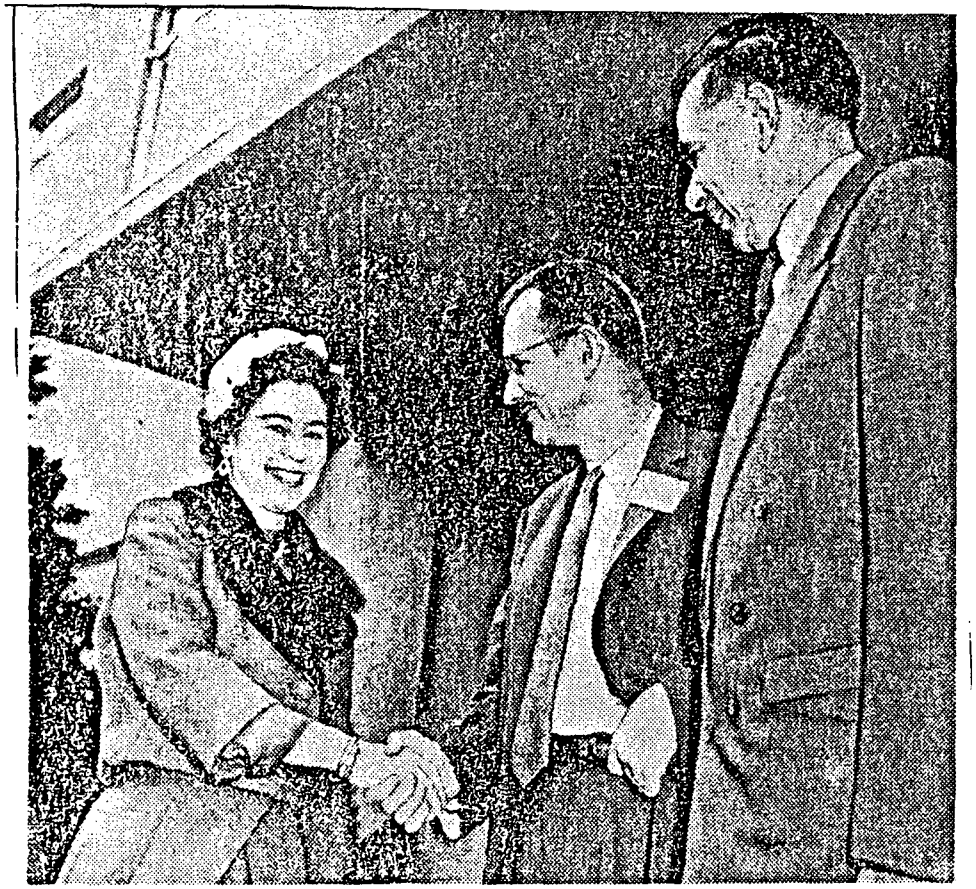
"And that's what the Queen was doing."

From the science tour, the Queen was driven to the El Cerrito home of UC President Clark Kerr.

It was a pleasant, informal reception. And the Queen, punch cup in hand, wandered among the guests.

That party done, she was back to San Francisco for the time budgeted Queen—there to change and appear for a special dinner at the Press and Union League Club.

Today, there'll be more of the same for Frederika, an all day visit to the University of California Atomic Energy Commission nuclear laboratory at Livermore.



IN ATOM LAND — Queen Frederika, on a tour of the University of California's atomic facilities, is greeted by Chancellor Glenn Seaberg (right) and Edwin McMillan, director of the Radiation Laboratory.

Our reservations for Thanksgiving dinner at the Cliff House in San Francisco were for 1 p.m. so we left Lafayette shortly after noon. The kids loved this first experience with eating Thanksgiving dinner out and the view of the ocean as we ate.

Friday, November 28, 1958- Lafayette- Cambridge, Massachussetts

A University car picked me up at my home in Lafayette at 7:15 a.m. this morning in order to drive me to the San Francisco Airport to catch United Airlines Flight #726. Our flight stopped in both Chicago and Hartford so I did not arrive in Boston until 9:45 p.m. I was picked up at the Boston airport and driven to the Endicott House in Cambridge where I am staying for the next two nights in order to attend the "Conference on Science and Technology" organized by MIT. I am sharing a room with T. Keith Glennan, who is Administrator for the National Aeronautics and Space Administration (NASA).

Saturday, November 29, 1958- Cambridge, Massachussetts

An impressive group of people is attending this conference (list attached). We are taking all our meals at Endicott House and there are sessions in the mornings, afternoons and evenings. Each session consists of an opening paper, followed by reaction to the paper by the official discussants. After that, the group is divided into two panels, each with a chairman, to pursue the discussion on a more intimate basis. Much of the discussion today revolved around the role of scientists in advising the President and Congress on U.S. science policy and on areas, such as the military, impacted by science.

Sunday, November 30, 1958- Cambridge/ Lafayette

I attended the concluding session at Endicott House of the Conference on Science and Technology.

My flight home to San Francisco departed Boston at 12:40 p.m. (American Airlines Flight #761), stopped once in Chicago and arrived in San Francisco at 8:30 p.m. I was met by a University car and driven home to Lafayette.

Conference on SCIENCE AND POLICY

M.I.T. Endicott House
Dedham, Massachusetts
November 28-30, 1958

Invited Participants

Lloyd V. Berkner
*Lincoln P. Bloomfield
*Wallace R. Brode
*Detlev Bronk
*McGeorge Bundy
*John E. Burchard
Vannevar Bush
*James H. Doolittle
*Lee A. DuBridge
*James B. Fisk
*Carl F. Floe
William C. Foster
*Rowan Gaither
*John W. Gardner
*James Gavin
*T. Keith Glennan
*Lincoln Gordon
William R. Hawthorne
Pendleton Herring
*Henry T. Heald
Albert G. Hill
*John Honey
*James R. Killian
*Joseph Koepfli
*Edwin H. Land
*Harold D. Lasswell
*Daniel Lerner
*Robert E. Marshak
*James McCormack
*Max F. Millikan
Robert J. Oppenheimer
*Norman J. Padelford
*Ithiel deSola Pool
*Emanuel Piore
*Don K. Price
*I. I. Rabi
*Simon Ramo
*H. P. Robertson
Dean Rusk
*Herbert P. Scoville
*Glenn T. Seaborg
*J. H. Sides
*C. R. Soderberg
*H. Guyford Stever
*Julius A. Stratton
*Alan Waterman
*James E. Webb
*Victor F. Weisskopf
Jerome B. Wiesner
*Robert C. Wood
*Jerrold R. Zacharias

*Definitely accepted

Monday, December 1, 1958

I arrived at my office in Dwinelle Hall this morning a little bit later than usual since I only returned from Boston late last night. There was surprisingly little correspondence piled up after the Thanksgiving holiday.

A letter from Victor Spitsyn assured me that he and Rector Ivan Petrovski of Moscow University are looking forward to seeing me at the Mendeleev Conference which is now scheduled for March 1959. He wrote, "I am rather disappointed with the delay of your coming here, but I do hope that I shall meet you then." I am very encouraged by the signs of increased cooperation between Soviets and Americans. We will certainly benefit greatly from the exchange of scientific information and I strongly believe that we will also learn a great deal from personal interactions. I hope to talk with Petrovski about future exchanges between the University of California and Moscow University.

The eight Russian students who arrived last week to study in Berkeley had the opportunity to enjoy perhaps the most American of holidays on their first day here, sharing Thanksgiving dinners with Berkeley families. All but one of the students here through the Inter-University Committee on Travel Grants intend to study applied sciences. I was interested to learn that the one exception, Vil Bykov, has chosen to study Jack London. Bykov says that the Russians have a special affinity for London. London's socialist leanings are certainly a part of their interest in his life and work; I think there is probably also a great deal of appeal in the virile action of London's stories and in the icy locales of his Alaskan stories which remind them of their own country.

I dictated a response to the letter from Ward Quaal (now General Manager of WGN radio and television in Chicago). Ward wrote of a recent visit to our hometown, Ishpeming, and mentioned that he spoke with John Voelker and Irving Moss (among others) about my "many great achievements and the credit you reflect upon our home community of Ishpeming". I wrote back to say that I hope to see him soon on a trip to Chicago and commented on how much I enjoyed John Voelker's recent book, Anatomy of a Murder, in which the Ishpeming-Marquette locales are very recognizable.

The issue of Sports Illustrated which came out today carries an article by Vannevar Bush (of MIT) on scientists and sports which "proves that the ivory tower has a view- including a view of sports." This interested me because the illustrations include a photograph of me playing basketball in our backyard with Pete, Lynne, Dave and Steve. (A copy of the page with photo is attached.)

Today's Daily Cal also carried a couple of articles of particular interest. They reported for the first time that the Academic Senate will review the decision to adopt the bill regarding academic freedom variously called the Rynin or Newman Resolution. As the Academic Senate rules only require the support of seven members to request such a review, it was rather easily accomplished. There are some members of the faculty who feel quite strongly that prohibiting any faculty member from making a full report on a student to government agencies is a violation of the professor's basic freedom.

There was also coverage of the decision made by Alex Sherriffs last week (during my absence in Boston) to veto the ruling of the Student Judicial Committee which required ASUC President Bill Stricklin to put the SLATE amendment of student union fees on the ballot despite the fact that the petition was presented after the legal deadline. Stricklin was quite

solved by having a czar. He just states who is amateur and who is professional. It is easy enough for the individual player to change his status in one direction—for example by getting a man in the business to pick up a dinner check—but it is impossible to move the other way. This keeps outstanding performers from hiding their light under a bushel, where the great mass audiences will not have a proper opportunity to witness their skill. It is a sheer loss to business, of course, when a hot tennis player is limited in the extent to which he can attract cash customers to oscillate their necks to follow the ball.

But it is important to get down to the matter of advice.

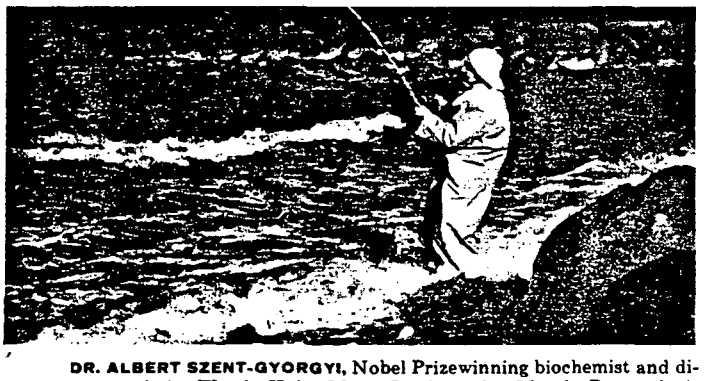
It seems to me that the managers of the business of sport have lost sight of the real objective, which is to satisfy the mass audience and keep them coming and paying. An essential ingredient is that the customers shall be convinced that the contest is intense and real; for example, that it is being played by the contestants and not by the officials. There are all sorts of crudities in this regard in present practice in the sports industry.

Imagine, let us say, that Pugwash College is manfully carrying the football down the field. By fine teamwork

continued

DR. GLENN SEABORG, who directs chemical research at the University of California's Radiation Laboratory, swims, plays occasional golf and coaches his children in backyard basketball.

SCIENTISTS ON SKIS are Professor Richard Ogg of Stanford (*left*); Dr. Joel H. Hildebrand, a top research chemist at the U. of C.; and the late Dr. Irving Langmuir, Nobel Prizewinner in 1932 for his research in chemistry.



DR. ALBERT SZENT-GYORGYI, Nobel Prizewinning biochemist and director of the Woods Hole, Mass. Institute for Muscle Research, is shown here engaged in his favorite sport, surf casting for striped bass.

DR. WERNHER VON BRAUN, the Army's top missile man, is an expert skin-diver and explorer of submarine scenery.

DR. C. GUY SUITS, director of research for the General Electric Company, is a versatile sportsman who hunts Alaskan brown bear (*below*), skis in the winter and skin-dives and sails in the summer.

distressed by a directive to proceed contrary to the ASUC Constitution and decided to appeal to the Chancellor's Office for guidance. I completely support Alex's determination of the legal issue involved here; I believe that the by-laws of a constitution must be honored. The reaction of Al Madian (Chairman of SLATE), which was reported by the Daily Cal struck me as unfortunate because of its personal tone. He is quoted,

> "Sherriffs has made a political decision which he has cloaked in legal terminology...Stricklin has appealed the decision not to the voters but to the administration. Neither Stricklin nor Sherriffs seem concerned with disenfranchising the student body."

At about 11 a.m. Saul Winstein telephoned from Los Angeles to ask if I knew anything about the reasons for the postponement of the Mendeleev Conference. I told him that I do not know more than the fact that it is now planned for March 1959; I promised to share any new information I may learn with him.

I then called John Francis Neylan and asked him to serve on the E. O. Lawrence Memorial Committee. He agreed to serve on the committee with considerable enthusiasm; however, he also said that he did not feel able to take a lead on the committee, admitting that he has "slowed down a lot". We also talked about the Lawrence biography. I told him that I reject the Everson manuscript because it is both inaccurate and incomplete and proposed the idea of Dan Wilkes writing the biography for $10,000. Neylan has no objections to this idea. I promised to send him a formal invitation to the committee and thanked him for his interest.

I then went up to the Rad Lab to attend the regular Monday "brown bag lunch" meeting of the Chemistry staff. After the meeting, Stan Thompson and I "played hookey" and took off for the Contra Costa Country Club to play nine holes of golf. His score was 46 and mine, 45. I really enjoyed the break; it seems like I seldom get a chance to play any more.

In the evening I returned to the campus to the Men's Gym to watch the Bears open their basketball season against the Alumni. The Bears won, 58-55.

Tuesday, December 2, 1958

When I arrived at the Chancellor's Office this morning, I read a copy of a telegram message phoned down from "the Hill" yesterday afternoon. Ray Brumback (Acting Secretary of the Seattle Cougars Club) thanked Greg Engelhard and me for our support of the Washington State College bid for a post-season bowl game, despite the fact that the veto votes of UCLA and USC made our support worth very little.

I also read the minutes of a meeting of the BCD Subcommittee To Plan the Development of Recreation Facilities in Strawberry Canyon (chaired by Carl Nordly) which was held on November 14th. The Committee approved the fee schedule for the Strawberry Canyon facility which is largely free to students and student groups except for after hours events and includes a 10¢ per capita charge for use by non-student groups. The clubhouse should be open for use by January 5, 1959. They recommend that formal dedication ceremonies be held at around the time of Charter Day (which will also be the time of my inauguration as Chancellor).

Hurford Stone wrote to report that in the course of the Big Game Week

festivities only one student was arrested for drunkenness and no complaints were received from any citizens of the community. He wrote,

> "I feel that we may now hopefully assume that a new pattern of behavior during Big Game Week has been or is being established, quite in contrast to that of the minor riots, street fires, destruction of property, and arrests which all too frequently characterized the 'good old days'."

He credits this to the work of the Campus-City Coordinating Council for Student Affairs:

> "This group, composed of University officers, city officials, and some twelve key student leaders, is a continuing resource of which we are very proud and I feel confident that it will continue to work effectively in the future."

Good news, indeed.

John Phillips (Berkeley City Manager) forwarded a copy of his report No. 514 to the City Council regarding traffic improvements in the University vicinity. Among the recommendations of the report which will be discussed by the University-City Liaison Committee are proposals to turn Bancroft and Durant, Dwight and Haste, and Fulton and Ellsworth into one way street pairs, as was recommended by DeLeuw, Cather and Company (who made traffic studies jointly for the City and the University).

An article in today's Daily Cal reported that SLATE passed a resolution:

> "that the students demand that the University return to them the power that the University has usurped, namely the control of athletics. Particularly, that the University return the control of athletics to the owners of the athletic teams; namely the students."

One example given of the lack of student control over athletics was the decision to abandon the Pacific Coast Conference, which the SLATE members say was only "rubber-stamped" by the ASUC Executive Committee. The balance between administration and student control over athletics is indeed a delicate one. As an aside, the article also mentions in closing that a resolution to recommend that the ASUC deny its privileges to any organization having discriminatory clauses in its constitution or ritual was defeated at the ASUC General Assembly meeting.

At around 10 a.m. Al Madian (head of SLATE) visited me in my office to talk about Alex Sherriffs' decision last week regarding the SLATE petition. I told him that the decision upholding the opinion that the petition was not presented in time and ruling against placing the petition on the ballot was Sherriffs' and mine jointly. He wanted to know upon what basis this decision was made; I answered that it was simply a matter of staying within legal procedure. Madian was very unhappy with this response and wanted me to tell him what was wrong with the basic procedure of a simple majority of the students deciding on lowering the fees (as the petition set forth the voting procedure). I told him that I would look into the question of procedures and see him again at 2 p.m. to share a better understanding of the history of the decisions regarding fees.

Tom Cunningham telephoned me at about 10:20 a.m. to inform me that there is a problem developing with the new coaching contract at UCLA and that Clark Kerr wants a proposal regarding the approval procedure for coaching contracts

before the December Regents Meeting. Tom himself feels that contracts for the hiring of head coaches should go to the Regents for approval. I agreed to this principle but expressed the opinion that it is unlikely that UCLA would agree to it. We agreed that a meeting of the Intercollegiate Athletic Advisory Council (which Cunningham chairs) is needed prior to the Regents Meeting. He will try to schedule one for the week of December 15th and get back to me.

A difficulty has developed with the eight Russian students who arrived here last week as part of the Inter-University Committee on Travel Grants exchange program. As we are already well into the semester's work and the students arrived without transcripts (on which to base their course work), they are not eligible for registration until the spring semester. I wrote to Morris Stewart (Dean of the Graduate Division) requesting that he take appropriate action to furnish the graduate students with authorization to audit classes and to participate in laboratory work. I noted that I am aware that there is some potential liability to be borne by the University for those students who work in laboratories and who could therefore be involved in a laboratory accident, "but I nevertheless believe that such authorization as I propose is desirable." The General Library is issuing "Extended Borrower's Cards" to them and I also wrote to Carl Nordly (Chairman of Physical Education) to ask for gymnasium facilities privileges and to Margaret Zeff (Acting Director of Cowell Hospital) for medical care arrangements. We do want these first exchange visitors from the Soviet Union to have full benefit of University facilities despite the fact that they are not eligible to register as students.

At 11 a.m. Lincoln Constance and I got together for our regular meeting regarding the College of Letters and Sciences business. For the first part of our meeting, Charles Aikin and Victor Jones of the Political Science Department joined us and gave us a brief resume of the department's project in Bologna--its aims, past history and future projects. Jones is leaving for a one and a half year stay in Italy in mid-January to work on this project. After they left, Lincoln and I talked over a number of appointments in L&S and continued our ongoing discussion of the quality of its various departments.

At noon the Chancellor's Office staff assembled in the Conference Room to hear a brief presentation I made on the Geneva Atoms for Peace Conference. Although I have talked to many different groups on this subject, I had never summarized this information for the staff. Several people had expressed an interest in learning about my experiences in Geneva and particularly about my conviction of the need for increased cooperation between Soviet and American scientists, so I agreed to an informal speech to the group. They appeared very interested in what I had to say.

After my presentation, at about 1 p.m., the regular Cabinet meeting was held. Other administrative and secretarial staff left the room. Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes remained for the "business portion". We talked about plans for a University Meeting in January to honor our Rose Bowl team and about plans for my inauguration in March. Also discussed were our possible participation in the Ford Foundation's Institute of Basic Mathematics and further information on the National Defense Education Act. Milt Chernin reported that the City-University Liaison Committee is working on the "Sather Gate Problem". (We are still trying to work out a way to give some land at the corner of Bancroft Way and Telegraph Avenue back to the City as a "free speech island".)

Just before 2 p.m. I called Dick King (ASUC Executive Vice President) in response to his request for comments on the proposal to merge major and minor sports which will be considered this afternoon by the Executive Committee. Coaches, members of the Intercollegiate Athletic Advisory Board and other interested parties have been invited to the special meeting in order that all viewpoints may be heard. I told him that I did not want to make a comment for his use before the Executive Committee for fear of appearing to be exerting pressure. Besides, I confided, I don't have any strong feeling one way or the other on this issue.

At 2 p.m. Al Madian returned to my office as we had arranged this morning. Bob Kerley had in the interim provided me with a very quick memo about the history of the student fee. I shared that information with Madian, explaining that students can change fees assessed by the ASUC Executive Committee by putting the matter to a vote. A petition by 5% of ASUC members is all that is required. However, the SLATE petition was not presented in time for inclusion on the ballot and I am sticking by Alex's decision to uphold the legal procedure. We had a longer discussion about student government, the degree of student control here as compared to other universities, and the fact that many of the present issues have been gone through over and over again in the course of history. I pointed out that our incidental fee is among the lowest in major universities and the consequent effect of this on student activities. The proposed fee, to be effective in September 1959, will be $11.50 per semester. Six dollars is earmarked for Student Union debt service and operations, $1.00 to the Daily Californian, and $4.50 to Student Activities. I am convinced that the ASUC offers extremely good value in activities, services and facilities for this small sum.

Herbert E. Hawkes and Paul A. Witherspoon (both professors in the Department of Mineral Technology) kept a 2:30 p.m. appointment with me in my office to discuss proposed exchanges with the USSR on applied geochemistry in the mineral industries. According to Hawkes and Witherspoon, Soviet geochemical literature indicates that they may have developed new methods of exploration for both metals and petroleum which far surpass anything known in the United States. They had two proposals to put forth: organizing a symposium on applied geochemistry on the Berkeley campus to which leading experts from the Soviet Union, Western Europe and the Americas would be invited, and their personal desire to visit Soviet laboratories and field operations. As always, I am very supportive of any effort to further scientific exchange. I suggested that they might want to approach the National Science Foundation about supporting the symposium. I mentioned that they will probably want to speak with Regent Don McLaughlin about their plans since he is also a member of the National Science Board. I also noted that two of the eight graduate students visiting here from Russia are studying in their department--which would indicate that the Russians are interested in exchanges in this field.

Regarding their desire to visit the Soviet Union, I suggested that they proceed first through Academician Dimitri S. Korzhinski, a geologist who recently visited Berkeley. If that does not succeed in producing an invitation, I will write to President Nesmeyanov of the USSR Academy for them. However, I would rather not do that so soon after asking the same favor for Al Ghiorso. I mentioned that the CIA would probably support their travel expenses. However, of course, this aspect of their visit should not be made generally known; they should go primarily as scientists interested in the work of their Russian colleagues.

Jim Cason came in at 3:30 p.m. and we talked about some of the problems in the Chemistry Department, including how to recruit new talent and make our salaries more competitive.

At 3:30 p.m. Frank Kidner and I met to discuss athletic matters and to share information about the Newman Resolution which will be re-considered by the Representative Assembly next week. Greg Engelhard joined us after about half an hour. He reported that in this afternoon's meeting of the ASUC Executive Committee the motion to equalize major and minor sports was defeated. Apparently Greg spoke at some length at the meeting, arguing that things should remain as they are and efforts be made to expand minor sports programs. We went on to talk about plans for the Rose Bowl in Pasadena and for the University Meeting in January to honor the Rose Bowl team.

Ken Pitzer called me at 4 p.m to tell me that they are interested in Thomas K. Sherwood of MIT as a possibility for the new Chairman of the Chemical Engineering Department. He noted that they have a position which would have to be upgraded to attract Sherwood and that he would not be available until next fall at the earliest. I told him that they should go ahead with this plan if they are sure that he is the man they want.

Before leaving the office, I went through a bit more correspondence. Dorothy Culbertson (producer of Harvey White's "Continental Classroom" series) wrote to invite me to tape a lesson for the series on the "Transuranic Elements" (sic). I will certainly make time to participate in this experiment with teaching by television, changing the title to "Transuranium Elements", of course.

I also signed a memo to Charles Jones (Chairman of the Academic Senate's Educational Policy Committee) forwarding the new proposal for a Marine Biological Laboratory. This new proposal is considerably expanded over that approved by the Educational Policy Committee in May 1956. The first proposal limited the facility to a teaching laboratory and this new one would establish both a teaching and research facility. I asked for Jones' Committee's comments on this expanded proposal.

Wednesday, December 3, 1958

I went directly to the Radiation Laboratory this morning to attend a meeting of the Associate Directors. Of particular interest was the report of Iz Perlman and Al Kirschbaum on the meeting held in Washington last Monday to discuss the very high flux reactor. After the meeting Iz and I got together with Ken Street for awhile to discuss this in more detail and for me to catch up generally on what has been happening at both the Berkeley and Livermore laboratories.

I then borrowed Iz's office and placed a call to John Williams at the AEC Washington headquarters. I thanked him for his help in getting approval (finally!) for our Chemistry Building addition (Building 70A). I expressed delight with the positive results of the meeting on the high flux reactor. John told me that he was also very pleased with the results of the meeting and quite surprised by the easy agreement reached by the representatives of the various national laboratories present. He doubts that there is any possibility of getting funding for the high flux reactor before the 1961 budget but said that he would give the effort a good try. I emphasized the

urgency of getting the heavy isotope production program going and the need to get the okay from Alfred Starbird. He said that this is in Spof English's hands now. I offered to help by telephoning anyone he designates; he will let me know if the occasion arises. Before getting off the line, I offered John tickets to the Rose Bowl game. He does not think he will be able to come out to the West Coast at that time but will let me know.

At about 11:30 a.m. Al Ghiorso and I met with Karl Malmfors and Torbjorn Sikkeland to discuss the Swedish 102 work. Malmfors is visiting here from the Nobel Institute for Physics in Stockholm and promised to relay the information with which we provided him to his colleagues there immediately upon his return. He will especially try to dissuade them from publishing any new articles in The Physical Review and will try to have them withdraw their claims to the discovery of Element 102. We asked for suggestions as to what our next move should be. I told him that G. N. Flerov has a name in mind for Element 102 and wants us to jointly re-name "nobelium" (the name the Swedes gave 102) soon. If we do not act quickly, it is possible that the Russians will go ahead with the re-naming without us (the Americans).

After lunch at the Rad Lab cafeteria, Iz and I met with Hayden Gordon (Chief Engineer at UCRL) to talk about space travel work here at Berkeley and at Livermore. A group consisting of Gordon, Cornelius Tobias (Medical Physics), Howard Mel (Biophysics) and Mark Rosenzweig (Psychology) have been meeting to talk about animal experimentation in space. He mentioned that Ted Merkle and others at Livermore are interested in ion propulsion and that Melvin Calvin has expressed an interest in this general area of work. We may want to add some of these people to our committee on the Space Sciences Laboratory.

Almost immediately upon my arrival at my Dwinelle Hall office, I received a telephone call from my friend, George Manov. His wife, Grace, is interested in returning to school and finishing her degree here at Berkeley. I referred him to Herman Spindt (Director of Admissions).

I then had a few minutes to look over some correspondence before my schedule of afternoon appointments in the Chancellor's Office. I signed a memorandum to all department chairmen in physical, biological, mathematics and engineering sciences describing the new NSF program for support of undergraduate participation in research programs. Although the deadline for proposals to the National Science Foundation is December 15th, it is clear to me that the University is unlikely to prepare a formal proposal by that time. I, therefore, asked for informal statements of departmental interest in the program so that I might inform the NSF people of the probable extent to which the University will participate. I asked for more complete proposals by December 22nd, thus assuming an extra week of grace.

I also wrote to Clark Kerr to let him know that I saw Lee DuBridge at MIT last weekend and learned from him that due to a schedule conflict, he will be unable to serve as the speaker at my inauguration on Charter Day. Lacking other suggestions, I left it that I would let him know after I have given the matter further thought.

I dictated a telegram to the DuPont Company recommending Walter Gibson for a position with them. I noted his unusual ability and the unusual speed with which he completed his Ph.D. program (in two rather than three-plus years). My recommendation was unqualified: excellent.

A long memo from Lincoln Constance reported on recruiting difficulties in the various departments in Letters and Sciences. His survey (conducted to aid the President's Office in preparing a report to the National Education Association on teacher supply and demand on the Berkeley campus) indicates recruiting needs in the following areas: Mathematics (pure mathematics, applied mathematics, statistics and numerical analysis- computing), History (United States, European and Asian), Political Science (international law and public administration), Psychology (developmental, experimental and clinical with a future shortage anticipated in industrial and physiological), Music (theory, composition and musicology) and Foreign Languages (especially "esoteric" languages like Slavic, Thai, Mandarin, Tibetan, Turkish, Persian).

One of the questions asked in his questionnaire to department heads and in subsequent conversations concerned the willingness to consider qualified women for open positions. The response to this question varied greatly between departments. The Political Science Department reported that "Women will be considered for regular staff appointments in any field in which they are qualified." The Zoology Department indicated that women would be considered for teaching assistant positions but would not be considered for regular staff appointments. The Biochemistry Department bluntly stated, "Qualified women candidates will not be considered for appointment." Other departments, such as Physics and Mathematics, commented on the lack of qualified women in their field. Mathematics remarked that there are so few women who enter their field that "one might infer that women have a prejudice against mathematics." Considering the critical shortage of higher education teachers anticipated in the next ten years (which has been so much talked about recently), it seems a real pity that women are not given more serious consideration.

At 3 p.m. Choh Hao Li met with me in my office to talk further about his proposed move to UC, San Francisco. He told me that he spoke with both Esmond Snell (Biochemistry Department Chairman) and Lincoln Constance about this and that they both told him that there is no room at Berkeley for a large operation like his Hormone Research Laboratory. For this reason he has decided that the best thing for him to do is to move to San Francisco. However, he noted that they will not have any room for him for about four years. He has a number of requests which he would like to present to John Saunders (Provost at San Francisco) in preparation for his relocation. These were framed as demands and I advised him to leave his list of requirements with me and allow me to explore them with Saunders informally. Had they been sent to Saunders "cold" in their present form, I am sure it would have made a very bad beginning for Li in San Francisco.

As soon as Li left my office, I telephoned Saunders and went over Li's list point by point. Saunders generally agreed to Li's requests, although some of them, like budget, will have to be worked out over time. I then telephoned Li and told him that Saunders is amenable to his requests. I asked him to re-write his letter, changing "demands" to "suggestions" and reducing by 1,500 square feet his space requirements. The only commitment I personally made to him is that he will be allowed to retain his title of Professor of Biochemistry at Berkeley.

Knowles Ryerson (Dean of Agriculture) met with me at 3:30 p.m. to acquaint me with a proposal that Carl Huffaker (who has a joint appointment here and at Riverside in the Department of Biological Control) visit the Soviet Union to study weed control. As always, I am in favor of these exchanges. The difficulty is in trying to find funds to support the travel. I suggested that

they explore the possibility of using counterpart funds (i.e. Scandinavian Airlines using exchange funds from an agreement with Poland) for travel to Finland and Rockefeller funds for travel inside Russia.

I then met with Jordan Brotman (Journalism) who wrote a headline-making letter to the Daily Cal editor, strongly criticizing the attitude in the Registrar's Office during the Flanders resignation-as-advisor affair several weeks ago. He told me that he and other faculty have come to regard the Registrar as operating in a high-handed manner on many occasions and that many students complain about the discourteous way in which clerks in the Registrar's Office meet the students. I assured him that we are looking into all aspects of the situation. He seemed to be very pleased at having the chance to talk with me and mentioned that Flanders had come away "inspired" from his conference with me last week. I told him that I expect that the Chancellor's Office will make some recommendations to Registrar Gilliam but that I doubt that we will make these public.

I went to the Men's Gym to watch the basketball game between the Bears and San Jose State, which the Bears won, 60-36.

Thursday, December 4, 1958

I went directly to the Radiation Laboratory this morning to attend the regular Thursday morning meeting of the Chemistry group. Also present were Alaga, Alexander, Asaro, Chiao, Chu, Crespo, Diamond, Gordon, Hall, Harvey, Hyde, Lovejoy, Markowitz, Michel, Michel, Perlman, Rasmussen, Shirley, Stephens, Stone, Strominger, Subrahmanyam, Templeton, Thomas, Unik and Wu.

Crespo reported on his work on measuring cross sections at 440-700 Mev for the $Cu^{65}(p,p\pi^+)Ni^{65}$ reaction, at 320-700 Mev for the $Cu^{65}(\alpha,\alpha\pi^+)Ni^{65}$ reaction and 550-700 Mev for the $Al^{27}(p,p\pi^+)Mg^{27}$ reaction; Stone on his work on apparatus for measuring rapid gamma-gamma coincidences, and Wu on anomalous internal conversion coefficients in Np^{237}.

After the meeting I stayed and talked with Iz Perlman and others about Lab business. I ate lunch in the cafeteria and went down to the campus to my Dwinelle Hall office at about 1 p.m.

Among the incoming correspondence was a letter from Thomas McConnell (Chairman of the Center for the Study of Higher Education) responding to my request for information concerning the extent to which faculty have participated in the activities of the Center. After summarizing some of the projects in which faculty have been involved, McConnell points out that lack of administrative assistance has limited the extension of Center services to more interested faculty. He suggests that a modest appropriation from the University to support housekeeping, secretarial assistance and a half-time vice chairman would allow for more outreach to faculty who wish to conduct research on problems of higher education.

William L. Prosser (Dean of the the School of Law) wrote regarding problems of faculty recruitment and promotions at the School. He predicts that the Law School will need to double its faculty to accommodate the level of student enrollment expected in the next 15 years. Prosser presents data resulting from his study of our competitive position with other schools of comparable rank in appointment and promotion of law teachers. He summarizes, "It is apparent...our competitive situation is an unhappy one. In fact, we are

simply not competing." Once new teachers are hired (necessarily near the top of the Associate Professor range), there is little room for advancement in our system. Our system does not easily allow rapid promotion to a full professorship, especially without a substantial publication record which would be difficult for a new law teacher to develop so quickly.

According to Prosser, there are two alternative solutions to this problem. He cites the examples of Yale and Harvard and how they have dealt with this serious recruiting problem in the field. At Yale they have elected to maintain a relatively long period of service in the ranks of assistant and associate professor, but have developed a more competitive salary scale within those ranks. Harvard has established a short probationary period (about three years) in the lower ranks, after which an instructor is appointed to a full professorship or released. The difficulty here (as in other fields with special recruiting problems) is a certain inflexibility of our system, particularly regarding the rules which govern promotion to tenured rank. It is quite impossible to establish rules for one school or department which do not apply campus-wide. I am quite convinced that Prosser's argument, that it is unreasonable to expect young law teachers to publish much while preparing their lectures, would not be accepted by the Budget Committee.

Charles Aikin (Chairman of Political Science) also wrote regarding recruiting practices. In reaction to an invitation to nominate exceptionally able scholars for Harvard's "Junior Fellow" program, Aikin raises the question of why we should "serve as a recruiting agency for another university":

> "We are struggling to attract to us an ever increasing number of the greatest young minds of the world. It is quite beyond my understanding why Berkeley should identify such students for the special benefit of its major competitor. Too, are we so unimaginative that we are unable...to provide the sort of opportunity for our elite that Harvard provides?"

I also signed a number of memoranda. I wrote to George F. Papenfuss (Botany Department and the Committee on the Marine Biological Laboratory) and to Daniel Mazia (Zoology) to encourage them about the proposal which I sent to the Educational Policy Committee the day before yesterday. I asked Papenfuss to encourage the committees to continue planning the facility and to work on the details of lands needs, facilities and support desired.

To Bill Fretter, in his role as Chairman of the Advisory Committee to the Registrar, I wrote seeking reaction to the proposal that information on the campus disaster plan be distributed to all students at the time of spring registration. (This results from the work of the Committee on Disaster Preparedness which Charles Dalziel has chaired with so much enthusiasm.)

I also sent a memo, addressed to Clark Kerr and to the attention of Jack Oswald, suggesting that a chief item on the agenda of the Council of Chief Campus Officers December meeting be funding of the University's share of the costs under those Titles of the National Defense Education Act which require institutional contributions. I noted,

> "...it is already apparent that the University's share of full-scale participation would be too large for funding within the regular budgetary framework. It has become urgent that guidance be given statewide in regard to means and levels of financing."

When Alex Sheriffs came in a few minutes early for the Student Office Hour, he informed me of a problem developing with SLATE and political rallies at Sather

Gate. Yesterday a campaign rally was held without the permission of the Dean of Students and a platform erected for the speakers (together with a crowd of listeners) blocked the exit from the campus at noon. Dean Stone was quite reasonably upset about this. However, when two students from SLATE, Dave Armor and Richard Bowen, visited his office this morning to ask permission to hold another rally at Sather Gate this noon, Stone promised to investigate the possibility of holding a rally in Dwinelle Plaza on another date and to seek the necessary permits for them. He denied permission to hold a rally today since time did not allow those arrangements on a moment's notice. Another rally was held today in direct defiance of his instructions. Stone instructed the campus police to allow the rally to continue and not interfere. When Al Madian (Chairman of SLATE) visited his office this afternoon, Dean Stone told him that because of the disobedience of specific instructions, he is unwilling to issue permits for any other rallies on the campus in connection with the current campaign. This is bound to create a furor.

As we might have expected the first students to avail themselves of the Student Office Hour were Al Madian and Brad Cleveland from SLATE, accompanied by David Rynin (the activist professor from the Speech Department who initiated the Academic Freedom Resolution, now called the Newman Resolution) and Janie Semple, a reporter from the Daily Cal. They were very angry about Hurford Stone's decision. Alex and I tried to explain that there is nothing that we can do to reverse the decision since student gatherings on campus are in the Dean of Students' jurisdiction. We tried to point out that Stone had tried to cooperate and that they had caused the crisis by holding a rally in direct disobedience of his instructions. Once again, there was impatience with the notion of adhering to rules and regulations long established and the conversation revolved around the issue of freedom of speech. Alex and I could only suggest that they hold their campaign rallies off the campus. In addition to the issue of Sather Gate and the "right" or "privilege" to hold rallies, we briefly touched on the Newman Resolution, the control of athletics by the ASUC and the Student Union Fee amendment which will not be a part of this election's ballot. I am pleased to see students take such an active interest in campus affairs. They certainly compare favorably to the apathetic students of a few years ago. However, I am sorry to see the student political parties and the administration take up positions as adversaries. I try to encourage continuing dialogues like today's in the hope that improved communication will minimize our differences.

Among the students who came in individually were Bill Wattenburg (Chairman of the Men's Judicial Committee, to talk of their concerns), Mike Hone (to learn the latest on the Newman Resolution), Howard Green (to ask about access to University facilities during the summer) and Dick King (to ask for a character reference for law school).

Harry Wellman met with me in my office at 4:30 p.m. to talk about some of the changes which the decentralization plan dictates. Both the Office of Architects and Engineers and the Controller's Office are going to be split up into two offices, one for statewide and one for our campus. The Berkeley campus Controller's Office will probably be headed by Norman Mundell and located on the fourth floor of Sproul Hall. I promised to tell Wellman by Tuesday afternoon whether this is agreeable with us. He could not see any objection to the Chancellor's Office staying in Dwinelle Hall, suggesting only that I talk with Madison Beeler (Chairman of the Space Committee for Dwinelle).

Wellman also told me that Dan Aldrich is going to be appointed University Dean of Agriculture. There will no longer be a Vice President for Agriculture, the title formerly held by Wellman. This seems appropriate because it is illogical to have a unique University-wide vice presidency relating to a particular academic area like agriculture; this has historical antecedents that we have outgrown. Wellman told me that he thinks that this is okay with "our people", meaning the Berkeley campus.

At 5 p.m. Helen met me and we went together to the Berkeley Women's City Club on Durant Avenue for the Buildings and Campus Development Committee cocktail party hosted by C. W. Brown.

Friday, December 5, 1958

At 8:30 a.m. Errol Mauchlan, Lincoln Constance, Frederick Tyler and I left the campus in a University car for the conference on the National Defense Education Act being held today at the University Extension Center at 55 Laguna Street in San Francisco. The conference, organized by the federal government to explain the provisions of the Act which authorizes $1 billion in federal aid to education, was attended by over 200 administrators from California colleges and universities.

I opened the meeting with a few prepared remarks on the need for the National Defense Education Act, the provisions of the various titles of the Act (in a very general way) and my disappointment in some of the provisions (i.e. Title IV's restriction to newly established graduate programs). I spoke about my faith in the potential of television in higher education and my hope for great strides in this application through the support of Title VII. I concluded,

> "I would like to say that I am very glad to participate in the formulation of this pioneering program of federal aid to education, which points the way which I believe we shall have to travel in the future. I would hope that methods may be found in future programs to allow more flexibility in the deployment of federal funds, relying more on the discretion and experience of individual institutions. But I believe that we should work diligently together, under the provisions of the present Act, to realize its advantages to the greatest extent possible, and to help establish a precedent for future revisions and expansions of the Act favorable to the optimum development of our system of higher education."

At the luncheon for the NDEA Conference I spoke with J. Peter Elder who is on leave from Harvard, where he is Dean of the Graduate School, until April to head Title IV (graduate fellowships) of the Act. Essentially, he advised me that we might apply under Title IV with the argument of expanded graduate programs. He told me that Harvard will not apply under Title IV because of his position in administering it.

After lunch, around 2 p.m., I returned to the campus in the University car. Walking across the campus, I bumped into Milt Chernin who told me that Louis DeMonte is opposed to the proposal that we give back part of the land at the corner of Bancroft Way and Telegraph Avenue to the City to provide a "free speech island". I told Milt that I feel that we may have to do this. Student feeling is pretty strong about what they see as the loss of the "Sather Gate tradition".

Upon arrival at my office, I learned from Anna Carol that Hurford Stone telephoned me just after I left yesterday afternoon. Stone wanted me to know that he feels that "we" are going to have good student support for the position that he took regarding future student rallies regarding this ASUC election. He reported that Dick Bowen has expressed his "abject regret" about it and told Anna Carol that stories differ about just how his (Stone's) instructions were conveyed to the SLATE people. It appears that some members of SLATE did simply refuse to accept the instructions.

Today's Daily Cal carried an article by Janie Semple (the student who visited during yesterday's Office Hour with Al Madian, et. al.) about this matter. A statement which Stone gave to the Daily Cal said,

> "This is the first time in my experience in this office that we have had a student group which insisted upon holding meetings on campus without proper authorization even after specific instructions had been given to an officer of the organization."

Semple also reported the conversation in which Alex and I stated that there was nothing we could do about Stone's decision. It went into quite a long discussion about how and when Stone's instructions were delivered to the assembled SLATE candidates. The article concluded by allowing Al Madian "the last word". It quoted him as saying,

> "To forbid us from holding the meeting seemed an unjustifiable invasion of our freedom of speech...An institution of this significance should not be destroyed by administrative action. We feel that the administration cannot legitimately deny us the rights of freedom of speech and assembly. These are basic to the electoral process."

There is every indication that some students are revving up to a real battle over this perceived issue.

I read a letter from Roy M. Hall (Assistant Commissioner for Research at the Office of Education), confirming my acceptance of appointment to the Advisory Committee on Educational Media (which will review proposals under Title VII of the NDEA), announcing plans for meetings and spelling out the terms of my consultantship.

William E. Davis (Executive Secretary of the Stiles Hall YMCA) wrote to ask me if I would accept membership on the Stiles Hall Advisory Board. I phoned Davis to accept the position, noting that I may not be able to attend many meetings. He assured me that many members of the Board do not attend the Board meetings regularly but serve the Board by providing counsel. Both President Kerr and President Emeritus Sproul are members.

I also signed a number of memoranda. I officially wrote to Clark Kerr recommending the appointment of Henry Bruyn as the new Director of the Student Health Service.

I also wrote to Charles Hulten (Chairman of the Chancellor's Advisory Committee on Television) suggesting the addition of Sandy Elberg to the membership of his committee. Elberg is Vice Chairman of the Buildings and Campus Development Committee which I believe is in real need of guidance in the form of general policy regarding the proposed use of TV facilities on campus, especially those facilities which would involve space in new

buildings. I expressed the hope that his committee has already made headway on the formulation of general policy on the use of television in the classroom and laboratory because the BCD Committee is presently confronted with the development of plans for buildings in which TV facilities may be required.

Just before 3 p.m. I received a telephone call from Francis (Fran) Watson, President of the Northern California Golf Association. He told me that they are interested in putting on a real intercollegiate golf tournament, involving the Pacific Coast colleges. He wanted to know whether this would be feasible and whether they might need to wait until after the Pacific Coast Conference breakup next July. He has already discussed this generally with Greg Engelhard; I asked him to talk with Frank Kidner about it, too.

At 3 p.m. I left for a meeting with Clark Kerr. I had with me an agenda of 11 items I wished to discuss with him and a list of another seven items which his assistant, Kitty Stephenson, had provided to Kitty Malloy. As usual, we whizzed right through the list, item by item, in my view models of expeditious executive decision-making. We talked about the proposal for the Space Sciences laboratory. I told him that Herb York and Bob Brode have accepted membership on the committee for development of this project and that I anticipate that this is going to be a big institute, maybe as big as the Radiation Laboratory. He approved the idea and told me to go ahead on feeling out NSF and NASA for funding, through the proper channels, of course.

Regarding the possibility of instituting an African Studies program at Berkeley, Kerr told me that if the UCLA proposal for African Studies is approved, we should not have one at Berkeley. UCLA would serve as the coordinator of a certain percentage of activities in African Studies to take place on other campuses as well.

We also spoke about the need for a coordinator for the National Defense Education Act. Clark told me that he has appointed George Pettitt as University coordinator of the Act. He advised me to get a faculty member on reduced teaching load to coordinate for the Berkeley campus and suggested Douglas Chrétien (Linguistics and Speech) as a possibility.

Regarding a speaker for my inauguration on Charter Day, Clark suggested that we get Jim Killian. If Killian has not already received an honorary degree from the University of California, we might bring him out for that. Clark also threw out the idea of Norm Topping filling that role. I asked if he might not be the speaker himself. He did not think that would be the best solution but said that he would do it if we don't get someone else.

Once again, Clark raised the question of the Seaborgs moving into University House. This time I point-blank refused. I am sure that Clark understands my reasons. I just don't believe that the formal setting of the President's House on the campus is a good place to raise our five young children.

We also discussed a number of appointments, including Henry Bruyn's, which Clark approved at the salary I had suggested in the letter I hand-carried to the meeting.

I went back to the Chancellor's Office to pick up some papers to read at home this weekend and went home. Among the papers I was interested to see is a letter from Al Madian, addressed to Dean Stone, Alex Sherriffs and me. In the letter, Madian makes it clear that Dave Armor did deliver Stone's instructions

regarding the noon rally yesterday. His excuses for telling us otherwise yesterday were rather weak. He wrote that Armor was not on the speakers platform as he expected him to be (and, therefore, he didn't pay attention to him?), that it was very noisy near the speakers platform where their conversation was held, and that he had less than 12 hours of sleep in the preceding four days. It is clear that he wishes to clear Armor's name by admitting that Stone's instructions were conveyed; however, at the same time Madian does not take responsibility for holding the rally despite these instructions. Armor also told Howard Taylor who, unlike Madian, chose to announce Stone's decision to the crowd shortly after.

Helen told me that she enjoyed the tea for women faculty members and faculty wives at the Women's Faculty Club this afternoon. She and Kay Kerr were the hostesses for this second in the series of four teas, aided, of course, by other faculty wives.

Saturday, December 6, 1958

The Boy Scouts are holding their annual paper drive today so I spent the early part of the morning helping in the tieing of newspapers into bundles.

I drove to the campus at about 10 a.m. to meet the group of Russian educators who are visiting our campus today. There are nine Russians in the group, led by Aleksei Markushevich, a leading mathematician. They were accompanied by two Americans from the U.S. Department of Education, three interpreters from the Department of State and two cameramen for the U.S. Information Agency. I greeted the Russians in the Chancellor's Conference Room in Dwinelle Hall, welcoming them to the Berkeley campus and expressing hope of increasing exchanges between our two countries, with the aid of an interpreter.

I then walked with the group to Haviland Hall where they met with faculty from our School of Education. Enroute I spoke to Markushevich about the eight Russian graduate students who are here on an exchange program. (All conversation was carried on with the help of the interpreter, of course.) I remarked that the Russian students are not very good at handling the English language. That surprises me because I find that Russians are much better at English on the whole than we are at their language. I commented on how their lack of language facility limits the benefit they can receive from their visit here, both in their academic work and in their social exchanges with other students. Markushevich told me that the students were chosen competitively in their field and that he does not doubt that they will try "to beat their American counterparts" despite the language problem. I also mentioned the desirability of future exchange students from the USSR bringing (or sending) transcripts of their work at home. He agreed that they could do this and that he would pass on my comments.

It is interesting to note that permission to the Russians to visit San Francisco is a special exception to State Department policy. Ordinarily, San Francisco is off limits to Soviet visitors as part of a State Department protest against Russian travel restrictions. However, this group is staying at a hotel in San Francisco and part of their program includes a visit to San Francisco State College. Apparently, the State Department has been promised that an American cultural group will be allowed to visit a closed Russian city in exchange for this courtesy.

Back at home, I looked over the report from the Combined Educational Policy Committee on the Environmental Physiology Laboratory and Bill Fretter's comments on it. As Fretter notes, this is really two reports, one for the Laboratory and one against. Members of the Southern Section are opposed. Some of the opposition to the proposal appears to be based on doubts about Nello Pace. Pace, a Berkeley Alpha Chi Sigma friend dating from our student days, is an extremely able and energetic scientist who has built up the White Mountain Laboratory with the help of his many contacts in Washington. Now that much of the Department of Physiology is being transferred to the San Francisco Medical School, Pace is the dominant man in a small department. As Bill points out, this may have caused some resentment among his colleagues; some may see the Environmental Physiology Laboratory as "empire-building". It is unfortunate that such concerns govern decisions about the type of research supported at the University; however, of course, they often do. Fretter suggests, and I concur, that it would be a better idea to build the Environmental Physiology Laboratory slowly.

Pace himself has suggested that instead of building a giant, multi-story permanent building (such as that proposed at $2.85 million), we build smaller "Butler-type" buildings which could be modified much more easily as research needs change. I approved this plan and will suggest that the matter of the siting of the buildings now be considered by the Buildings and Campus Development Committee. Needless to say, the buildings will not be located on the campus. Possible consideration of the location of the Space Sciences Laboratory might be taken into account in this decision. As a matter of fact, I understand that Pace is also interested in space science research, particularly the effect of environment and stress on man in space. I do think that the more gradual plan for the Environmental Physiology Laboratory would mitigate the reservations of the Education Policy Committee.

I went back to the campus to watch the Bears go against the Dons of USF at Men's Gym. Cal won, 50-43, gaining their first victory over USF since 1953.

Sunday, December 7, 1958

I caught up on my reading of The Physical Review and other journals.

I read with pleasure the San Francisco Examiner's column, "New Seaborg Book Out Today", which reports the publication of The Transuranium Elements by Yale University Press. It recounts the story I tell in the book about faking a "sample" of plutonium for curious visitors to the Met Lab during the Second World War. The display, which I carefully identified by saying "This represents a sample of plutonium hydroxide.", was a little lump of aluminum hydroxide in a solution of green ink. Plutonium was in such short supply at that time that we could not afford a sample for the curious. However, more often than not, visitors convinced themselves that they had heard that it was indeed a sample of plutonium. I am sure that this anecdote will create interest in my book. This book, based on the Silliman lectures I gave at Yale University last year, contains much hitherto unpublished historical material, in addition to its scientific content, and this will undoubtedly enhance its value.

Monday, December 8, 1958

When I arrived at the office this morning, I learned that Hurford Stone has

Saturday, Dec. 6, 1958
THE SAN FRANCISCO CHRONICLE

A Nation 'Foolishly Indifferent'

Seaborg: U. S. Must Boost School Funds

Federal aid to education should go far beyond the program Congress approved last year, University of California chancellor Glenn T. Seaborg said here yesterday.

That bill authorized over $1 billion in Federal aid, though only $40 million has been appropriated so far.

Seaborg, a Nobel prize winning professor of chemistry, addressed more than 200 college and university administrators gathered to hear Federal officials explain the provisions of the new law. The day-long meeting was held in UC Extension headquarters here.

Seaborg welcomed the program as "an initial step in a new way for American education." But, he said, it "falls far short of the needs of our advancing technological society."

One of the basic reasons it falls short, he said, is inadequacy of financial support and, he added:

"I do not see how we can avoid the conclusion that a large part of the money to finance adequate educational development must come from the Federal government."

Seaborg criticized the 1958 law's provision for loans to students as not going "nearly far enough."

The nation has been "culpably and foolishly indifferent" to the development of its human assets, the most important assets it has, he said.

Scholarships, he said, would be far more effective than loan funds.

Likewise Seaborg criticized the program to aid newly-established graduate study programs as inadequate, since, he said, well-established programs also need help.

He approved the assistance offered to the teaching of modern foreign languages, science and mathematics, and the provisions for developing guiding, counseling and testing programs.

Commenting on the support for research and experiment in the use of television and other audio-visual aids, Seaborg said he believes television has much to contribute to education.

UC's professor Harvey White on the NBC program Continental Classroom (KRON, Monday through Friday, 6:30 a.m.), is now "reaching more students than in all his years of regular instruction at the University," Seaborg concluded.

"It is an understatement to say that he is conducting the largest class in the history of education, and this in the vital area of physics teaching where an emergency exists which could not be met so promptly and effectively in any other way."

SAN FRANCISCO EXAMINER

December 7, 1958

New Seaborg Book Out Today

A gelatin-like lump of aluminum colored with green ink played a pacifying role in America's war effort in the early 1940s.

An anecdote describing an unusual and harmless hoax involving its use is described in "The Transuranium Elements," published today by the Yale University Press and written by the University of California's Glenn T. Seaborg.

Seaborg and his colleagues at the UC radiation laboratory discovered plutonium in 1940 and 1941. The element, which could be used as an explosive, was destined to become the fuel for the atomic bomb.

But early laboratory attempts to purify it for large scale industrial production were painstakingly slow.

Nevertheless many scientifically curious visitors wanted to see the plutonium, the first element made by man.

The material was in precious short supply and had to be used in lab experiments. So Seaborg prepared a display, complete with test tube, and a little lump of aluminum hydroride in a solution of green ink.

To each visitor eager to see the first man maade element he would carefully say, "This represents a sample of plutonium hydroxide."

More often than not the visitor would deceive himself into thinking he had heard that it was indeed a sample of plutonium.

DAILY CALIFORNIAN - December 7, 1958

Seaborg Book

Comprehensive Explanation

"Elements of the Universe" by Glenn T. Seaborg and Evans G. Valens; E. P. Dutton and Co., New York; 253 pages; $3.95.

Few people in America today, as much as they might want to, can avoid realizing that we are in the midst of a scientific revolution of massive proportions. This is especially true on this campus, where even the most iron-bound English major is besieged with news of the discoveries made by members of our own faculty.

It is doubtful, however, whether very many of these non-scientifically educated laymen, this writer among them, really grasp the significance and the nature of what is happening to the worlds of physics and chemistry right under our own noses.

It is for this reason that we welcome with enthusiasm the publication of this book, co-authored by Chancellor Seaborg, whose work in the discovery of the synthetic elements has won him a Nobel prize.

Although described on the dust jacket as being designed for "keen young readers" it well withstands the scrutiny of elder and not so "keen" readers.

"Elements of the Universe" was taken from the highly successful television series presented on station KQED, featuring Seaborg and other University scientists. As such it depends to a large extent on visual materials, photographs and diagrams, to present the basic facts about chemical elements and the recent research which has been done on them at the University and elsewhere.

In addition to Seaborg's work, the book also contains chapters by other noted scientists in the field. These include Melvin Calvin, famed for his work in the study of photosynthesis, Edwin M. McMillan, director of the Radiation Laboratory and others.

This is one of the most enjoyable features of the book—the opportunity to read explanations of their own work by some of the nation's leading scientists.

Another unusual aspect of the book is the appendix which gives among other information a concise and complete explanation of the periodic table and the naming of the elements. This is a subject which is often confusing to the layman and, as a matter of fact, for the uninitiated a reading of the appendices previous to beginning the book itself might well be helpful.

It is unfortunate that the volume does not also include a similar explanation of chemical symbols and the manner of representing chemical reactions. Although the text gives a fairly comprehensive explanation of the formulae and charts in the book, at first glance they present a formidable looking array of figures to the reader.

All this book takes is courage. At first glance, from the size of the print and the frequency of pictures, it may look deceptively simple. At second glance the figures made it look unrealistically difficult. It is neither. A careful reading of it should prove to be not only informative but even enjoyable. Even those who avoid science like the plague will find this book of value.

-Dan Silver

Oakland Tribune, Sunday, Dec. 7, 1958

Orphan Atom Rings U.C. Fire Alarm

By RENNIE TAYLOR

BERKELEY, Dec. 6—(AP)—University of California nuclear researchers rigged a hookup that caused a single, strange new kind of atom, hidden among a billion other atoms, to ring a fire bell.

They needed the loud warning so they wouldn't have to watch an instrument panel for hours at a time in the hope of seeing a single tiny flash of light that would herald the existence of the new atom.

Once the atom signaled its existence, they had to rush quickly into the billion atom collection and try to sort out the newcomer for chemical tests which would prove it to be a new man-made element.

The hookup worked fine until the fire department learned about it and vetoed all further operations with the bell, says Dr. Glenn T. Seaborg, leading figure in the discovery of new elements heavier than uranium, the weightiest one of the regular chemicals.

RELATED IN BOOK

Dr. Seaborg, Nobel Prize winner and now Chancellor of the Berkeley campus, told about the makeshift scientific gadget in a book just published by the Yale University Press.

In the book, "The Transuranium Elements," Dr. Seaborg discloses for the first time what he calls seemingly foolish procedures which he and other researchers used because they appeared to be the best ways of tackling certain problems directly.

The fire bell was in the hall of the chemistry building and was not supposed to sound a general alarm. The researchers were keeping its operation all to themselves, but somehow the word got around.

Anyway, the hookup helped the scientists toward the discovery of Element 101, which they named Mendelevium. It is the ninth of the 10 transuranium elements so far found. The last one to be discovered, Nobelium or Element 102, came too late to be included in the book.

PROCESS EXPLAINED

The heavy man-made elements have come from bombarding natural uranium, which is Element 92, with atomic particles from cyclotrons. The heaviest ones have been made by bombarding certain of the lighter man-made atoms. This was the case with Mendelevium, which was produced by shooting cyclotron projectiles into Einsteinium, Element 99.

The researchers used a billion atoms of Einsteinium—all they could find in this country's atom supply—for the experiments.

Even this huge number was too small to be weighed and when spread on a tiny bit of gold foil cyclotron target was invisible. Yet the researchers were able to detect even one of the atoms when it had been changed into Mendelevium.

Oakland Tribune, Sunday, Dec. 7, 1958

Tribune photo

EXCHANGE VIEWS—Nine Soviet educators on a three-day visit to the Bay Area met with Glenn T. Seaborg, chancellor of the University of California. Here (from left) are Sergei Grigorevich Shapovalenko, Dmitri Nikolsevich Taptykov, Shiiab Sagindykovich, Chancellor Seaborg, shaking hands with Aleksei Ivanovich Markushevich, delegation leader; Khasan Rashidovich Rashidov, Arsenii Sergeevich Makhov, Sergei Konstantantinovich Karstev, Nikolai Vladimirovich Mostovets, and Anatoli Alesandrovich Smirnov.

U.C. Chancellor Shares One Opinion With Visiting Soviets

BERKELEY, Dec. 6—There's one opinion, at least, that U.C. Chancellor Glenn T. Seaborg, Nobel laureate, shares with visiting Russian educators.

That is that American schools have been derelict in teaching mathematics and the exact sciences.

Nine Soviet educators, interested not only in higher education but in American methods through all educational levels, expressed their views during a busy day on the Berkeley campus. They were flanked by interpreters, representatives of the U.S. Office of Education and motion picture cameras.

The visitors were here as observers, expressing appreciation for university hospitality, as part of a three-day stay in the Bay Area on their nationwide tour.

Aleksei Ivanovich Markushevich, first assistant minister of education and Moscow University scientist, as spokesman for the party, talked of Russian and American educational methods and theories.

Answering a question on science teaching in American schools, he said:

"It is my impression that in recent years a lot is being done in American schools to raise the level of education in mathematics and the exact sciences.

"But, as a professor of mathematics at Moscow University, I, personally, think that there is a great deal to be done in your country in this field."

"Tell him that I agree!"

Markushevich praised the reciprocity plan under which an American educational delegation visited the Soviet Union and the present tour of his group was arranged with official auspices.

As to the Soviet philosophy of education, he explained:

"We have based our program on the theory that each person in the Soviet Union should receive a full-value education well-rounded for the development of personality.

"We feel that each person must be well prepared to take his part in production or constructive work of the whole participating society.

reversed his decision prohibiting student rallies for the duration of the ASUC campaigns. Stone told the Daily Cal that he changed his mind because SLATE members apologized for disregarding University regulations and his instructions. I know that Dave Armor, Dick Bowen, Tom McNally and others expressed regret about the incident to Stone. However, Stone referred specifically to the note written by Al Madian which admitted that Armor had conveyed Stone's decision to him. According to the Daily Cal article written by Janie Semple, Madian has denied that he apologized for allowing the rally to continue and says that he wrote simply "a statement of facts". I am afraid that my impression of the note would support that. Madian was quoted,

> "At no time did I state that I was sorry that the meeting continued. I felt, in view of the facts, that we had a definite right to speak."

It is unfortunate that Madian would not allow Stone's reference to an apology to pass- but even more unfortunate that he advocates students making these choices in opposition to administrative policy and procedure.

I also learned that Pat Hallinan, another SLATE member, was very active over the weekend in organizing a protest to the ruling. Hallinan had organized a group of students to protest "the freedom of speech issue" by holding another illegal rally today "to talk about the rights of students to speak and assemble". Dean Stone's decision to continue to authorize rallies means that this protest will not take place.

However, I am interested to learn of some of Hallinan's other activities over the weekend. Apparently Hallinan called Governor Goodwin Knight's Office, asking for action from the Board of Regents, and also tried unsuccessfully to contact U.S. Chief Justice Earl Warren, Lieutenant Governor Harold Powers and U.C. Regent Ed Pauley. He also called a press conference at the International House on Sunday with the stated intention of explaining to the Russian exchange students the University's policies regarding freedom of speech. Several members of SLATE objected to this idea and called Alex Sherriffs to alert him to the conference. Luckily, with the help of Mrs. Jelavich and Dan Wilkes, the Russian students were dissuaded from attending what Hallinan presented as a "student discussion hour". On Sunday only one reporter (from the Chronicle) and one Russian exchange student attended the meeting. The Russian said that his intention was to announce to the SLATE group that the exchange group did not intend to participate in political discussions during their stay in the United States. However, when he saw that there was a reporter present, he left without making any comments. Such incidents have the potential to do some damage to our efforts to increase exchange between our country and the Soviet Union. In this case, any harm was averted; however, I am very sorry to see our students use the Russian students as pawns in this sort of situation. It is clear that the so-called "freedom of speech" issue is gathering increasing attention. I look forward to working out an arrangement at Bancroft and Telegraph for a "free speech island".

I read the Computer Center's proposal to the National Science Foundation which will be considered by the Regents at their meeting next week. In addition to an item to finance the acquisition of a 32,000 word memory and the original request for $104,000 in installation costs, the proposal asks for some operational costs. In 1956 NSF did provide the Computer Center with some operation funds for its first year of existence. However, after this we must make a point to make the Center self-sufficient which will require working out a new policy about recharges. The Advisory Committee on Computer Facilities, chaired by Ed Teller, will have to do further work on this.

I also dictated two memoranda to Clark Kerr. The first memo urged starting serious work on the proposal for a Space Sciences Laboratory immediately and making it a Berkeley campus enterprise. I wrote,

> "With men like York, Brode, Teller, Calvin, Struve, John Lawrence, Alvarez, Perlman, and a number of others, extremely interested and straining at the leash to get started, I think we have the competence and enthusiasm to overcome our serious lag in this field which promises to be of such great importance for an indefinitely long time in the future."

We have tremendous talent here in Berkeley for work in the space sciences field and I feel strongly that this institute should be on the Berkeley campus, possibly on "fog bluff" above the Rad Lab. I concluded the memo by mentioning another topic- that in my opinion the Marine Biological Laboratory now under consideration would make a much more logical focal point for a new campus.

I also wrote in support of granting leave of absence with half-pay to four members of the faculty of the School of Business Administration in order to attend the Ford Foundation's Institute on Basic Mathematics for Application to Business to be held at MIT and Harvard. This suggestion represents a new solution to the administrative complications inherent in the original proposal to use sabbatical leave for participation in the Institute. It was suggested by Errol Mauchlan (in consultation with Bill Fretter) and makes a great deal of sense to me. However, it is a departure from normal procedure and will require the approval of the Regents.

At 11:15 a.m. I called Harvey White in New York to let him know that I will be happy to record a lesson for his "Continental Classroom" program. I asked him to provide me with an extended version of the Periodic Table and to change the title from "transuranic" to "transuranium" elements.

Just as I was preparing to leave for the Radiation Laboratory for the regular Monday noon meeting of the Chemistry Group, Frank Kidner called to report on the meeting in Pasadena of the faculty athletic representatives of the Pacific Coast Conference regarding the Rose Bowl contract. He reported that there is a hassle concerning the 1960 Rose Bowl contract; Oregon and Washington State College do not want to sign if it prohibits other bowl games. The amendment to prohibit other games carried 7-2, with those two schools opposed. Kidner said that he suggested that the seven schools sign the original contract without Washington and Oregon. Then Washington State decided to sign and Orlando Hollis said that he would consider signing after talking with Leo Harris. Frank said that he took the lead in working this out and that he hopes that it helped our relations with UCLA (which have not been so good since the WSC vote episode). He also mentioned that Clark Kerr told him that he will not attend the special meeting of the Representative Assembly to reconsider the Newman Resolution on Thursday. Frank is arranging to have a chairman pro-tem elected in case he can't make it.

I then rushed up on the Hill and attended the Chemistry Group meeting. At the lunch meeting I talked with Iz Perlman about the space sciences proposal. He reinforced my opinion that those people I mentioned in my letter to Kerr would lose interest in the institute if it were under statewide administration. He agrees that it should definitely be located on the Berkeley campus (or, rather, near it in the hills).

After the meeting I used Iz's office to place a telephone call to Spofford

English at AEC in Washington. I told him how pleased we are about the results of the meeting on the high flux reactor. He told me that we should receive an official summary of the meeting very soon. I also asked him about the heavy isotope production program. He thinks it is in pretty good shape now. Fabrication for the plutonium capsules to be irradiated with neutrons continues to be the bottleneck but he feels that they have recently made progress with Hanford and Rocky Flats. He promised to let me know if there is anything I can do to speed things up.

I read a couple of letters that had been delivered to the Rad Lab. Professor J. L. Verhaeghe of the University of Ghent in Belgium wrote to ask my advice on whether his University should acquire a 80 Mev electron linear accelerator, requested by the physicists, or a research reactor, wanted by the chemists, since only one purchase can be afforded. The chemists want the reactor for use in neutron activation analysis experiments and the physicists say the linear accelerator is suitable for this, which the chemists doubt. I'm afraid that correct advice on this dilemma will require the wisdom of Solomon- I will ask Iz Perlman for his views.

I also received a letter from Vitalii Goldanskii inviting me to visit his laboratory when I am in Moscow for the Mendeleev Conference next spring. He includes some intriguing ideas on the bombardment of heavy nuclei with heavy ions that might relate to the identification of new elements.

Before leaving the Lab, I called Ed McMillan who told me that he intends to nominate Owen Chamberlain and Emilio Segrè for the Nobel Prize in Physics for 1959 (nominations are due before the end of January).

Returning to the campus at about 2:10 p.m., I learned from Anna Carol that Stan McCaffrey called about the Lawrence Museum. He repeated his offer of help in the fundraising efforts and told Anna Carol that he would like the fundraising to be coordinated through his office (Public Information) so that they can keep track of individuals, groups and foundations approached on the behalf of the University. He also asked her to suggest to me that Dan Wilkes might have some ideas about the Lawrence biography we wish to commission. (McCaffrey does not know that I have suggested that Wilkes write the book himself.) He told her that he is inclined to favor a big name author and observed the importance of choosing both author and publisher carefully if we want the book to sell well.

At 2:45 p.m. Bill Fretter and I met to talk about the Space Sciences Laboratory. He agreed to call all the members of the ad hoc committee on this proposal to determine how they feel about the possibility of the institute being statewide, as President Kerr seems to prefer, rather than a part of the Berkeley campus. He is also going to check out whether or not they are interested in making weather research a part of the institute's work. We discussed the progress of the plans for the Lawrence Memorial Museum and I promised to call Ed McMillan to find out what he feels should be our next step and to ask him what his impressions are of Don Mutchmore of the Los Angeles science museum (with whom the Committee met on November 20th).

Robley Williams called me just after 3 p.m. and briefed me on the resolution he intends to introduce at Thursday's meeting of the Academic Senate to replace the Newman Resolution on academic freedom. I told him that I am not certain that I will be able to attend that meeting and that I will not take a position on this issue, in any case. I also let him know that Clark Kerr will not be at that meeting because of a schedule conflict.

At about 4:15 p.m. I called Ed McMillan (as I had promised Fretter) and asked for his ideas about the next steps on fundraising for the Lawrence Museum. He suggested that we might want to add Herbert Hoover or James Black to the EOL Memorial Committee and, other than that, had no other ideas about how to proceed. I told him that I would call Ed Pauley within the next few days to learn his ideas. I also asked Ed to consider what we would do if one of the eight Russian graduate students visiting here were to decide to do work at the Radiation Laboratory in view of the obvious security clearance problem.

Sandy Elberg (Vice Chairman of the Buildings and Campus Development Committee) came in a few minutes early for our meeting with Louis DeMonte. The purpose of our meeting was to discuss the space problems associated with the new decentralization plan. We talked in general about the need to rearrange the assignment of space to accommodate Berkeley campus offices (for such groups as the Controller's Office and the Office of Architects and Engineers) apart from the statewide offices. DeMonte joined us at about 4:30 p.m. to talk specifically about the A&E needs. Both he and Elberg are pleased by the establishment of a separate Berkeley campus office. However, DeMonte told us that they are very crowded in their current office and urgently need more space. (Doesn't everyone on this campus?!!) In response to my question regarding his number one priority, he answered that he would like to stay in Sproul Annex and would like to have the space in the Annex which will be vacated by the Relations with Schools staff. Eventually he would like to see the A&E offices located in the Administration Annex on Bancroft (the Services Building). In the meantime, I promised to do what I could to arrange borrowed space in the statewide offices or to investigate the possibility of using the Relations with Schools space in Sproul Annex.

I understand that Milt Chernin is meeting this afternoon with Vernon DeMars to see the plans for the "new Sather Gate" area at Telegraph and Bancroft- and I am anxious to learn his reaction to the plans DeMars has drawn.

Tuesday, December 9, 1958

When I arrived at the Chancellor's Office this morning, I immediately dug into the pile of correspondence. My schedule of meetings today will not allow me much time for work at my desk. A memo from Hurford Stone to all University Officers announced that he has granted permission to SLATE to hold a rally today at noon at the Christmas Tree on Sather Road. Stone specified that the speakers platform should be placed to the west side of the Christmas tree and should not be moved. A rally at Sather Gate is forbidden. It will be interesting to see if the SLATE members follow his instructions and stick by the agreement that are conditions of the permit.

I wrote three recommendations for Guggenheim Fellowships, for Bernard Abraham, Clifford Garner and Manfred Lindner.

I signed memoranda to Melvin Calvin, Hayden Gordon, Isadore Perlman, Cornelius Tobias and Albert E. Whitford (Director of the Lick Observatory), appointing them to a Committee on Space Sciences. The committee, which will be chaired by Otto Struve, is charged with making recommendations for policies on research in space sciences and replaces the ad hoc committee, of course. I also approved Bill Fretter's recommendation that we call this project "Space Sciences Laboratory", instead of switching back and forth between the "Space Institute", "Space Sciences Project", etc.

I wrote Clark Kerr supporting the recommendations of the Buildings Names Subcommittee of the BCD that residence halls in Group I of the new residence complexes be named after Mary C. Freeborn, May L. Cheney, Monroe E. Deutsch and Thomas N. Putnam, and those in Group II after Ruby L. Cunningham, Mary B. Davidson, Farnham P. Griffiths and Sidney M. Ehrman. Three of the halls in the Smyth Association group are already named after Freeborn, Cheney and Cunningham; however, they are occupied by men students so it seems appropriate to transfer the names to the new units which will be occupied by women students.

At 9:45 a.m. Jim Corley called to get my reaction to the suggestion that the new statewide building be named "California Hall". I told him that I have no objection to that. If it is approved, the present California Hall will have to be renamed.

I read a memo from Charles E. Smith (Dean of School of Public Health) and John Lawrence (Director of Donner Laboratory) urging me to appoint a committee to study and recommend on the appropriate steps to be taken by our campus in meeting the need for instruction in radiation protection. They point out that the need for trained personnel in "health physics" is extremely acute and that they "are being importuned by representatives of the State Health Department, the U.S. Public Health Service and the Atomic Energy Commission to develop these needed programs". It seems an excellent idea to coordinate some of the courses already being taught by Medical Physics, Public Health and Engineering. I will ask Bill Fretter to look into their suggestion further.

At 10:30 a.m. Kenneth Holland (President of the Institute of International Education) met with me in my office to introduce himself and better acquaint me with their programs. (I mentioned that I am familiar with some of their work because Allen Blaisdell attended a conference in Puerto Rico sponsored by them.) We talked in general about our relations with Latin American universities. Holland deplored the fact that so few American students chose to study in Latin American countries. He gave as an example the fact that only ten American students studied in Brazil last year and nine of them were at an "American school". Brazil is bound to be important to the future of our relations with Latin America; they now have a population of 63 million people and it is increasing at the amazing rate of 2.5% per year. Holland showed a genuine interest in our program in Latin American Affairs and expressed appreciation for past help from the University of California.

Lincoln Constance and I held our regular meeting from 11 a.m. until noon. As usual, we talked about quite a number of appointments. One of them concerned the appointment of a Chairman for the Dramatic Arts Department. This discussion led to a consideration of the quality of the department as a whole and the question of whether we ought to have the department at all.

Constance mentioned that Adriance Foster (Chairman of the Botany Department) is concerned about the expense associated with travel to Davis for those members of his department who are serving on the Davis Qualifying Examination Committees. Six members of the Botany Department are currently involved and Foster does not believe that the department budget can stand the strain of paying for their trips to Davis. I indicated that these expenses should be paid from the departmental S&E (Supplies and Expenses) as long as possible; after that, we might seek assistance from statewide administration.

We then went into a discussion of the proposal to deprive University Extension of the power to assign grade points, while at the same time making acceptance of Extension credits mandatory for all parts of the University. Constance has many reasons for objecting to the latter point of this proposal, many of them quite convincing. He feels that the quality of Extension courses (and of faculty teaching them) is not of the same caliber as those of regular University programs. He believes that this proposal would undermine the New College Plan of Letters and Sciences and the new faculty advising system which he has instituted. In fact, he said that he feels strongly that it would jeopardize all his efforts of the past four years to improve the scholarly standards of the College. He feels so strongly about this issue that he said that if it is approved, he would not care to continue as Dean. He has written quite a long letter to Harry Wellman about this matter and he provided me with a copy of it. I think that this is something that we should discuss at some length at a meeting of the Academic Advisory Council. It is interesting to note that by response to my circulation of the proposal and invitation for comments, most faculty members have responded either positively or indifferently.

The Chancellor's Cabinet meeting began at noon in the Conference Room. Present were: Chernin, Fretter, Malloy, Mauchlan, Sherriffs, Strong and Wilkes. The meeting began with a briefing by Alex Sherriffs on SLATE's activities last weekend. We agreed that a formal statement for the Academic Advisory Council, the Chancellor's Advisory Administrative Council and possibly the Educational Policy Committee should wait until after the ASUC elections. We also agreed that faculty should be informed that it would not be wise to make a statement at the next Representative Assembly meeting on Thursday. Alex and Dan Wilkes are going to work together on a statement for publication in the Daily Cal on December 16th. I also asked Alex to keep a written running account of SLATE activities.

We then talked about the decision to decentralize to the Berkeley campus the Controller's Office, the Office of Architects and Engineers and the Budget Office. This means that over 100 people now scheduled for the new statewide building will remain on the Berkeley campus. We discussed the resulting space problems; however, nonetheless, the staff agreed that I should inform Harry Wellman that we accept this arrangement. It was determined that the first priority should be to find space for the humanities (which had been allotted the space in Dwinelle which we now occupy and in which we would like to remain).

Milt Chernin reported that Vernon DeMars believes that the idea of giving back 30 feet of Bancroft and Telegraph for the free speech island is feasible. Milt will draft a letter to President Kerr about this and also prepare a presentation for the University-City Liaison Committee.

I summarized Lincoln Constance's objections to the University Extension credit proposal and we discussed its ramifications. As usual, there was also a great deal of information exchanged about the activities of various staff members. A suggestion for Charter Day speaker (and my inauguration) now being considered is Winston Churchill. Our meeting ended at just after 2 p.m.

At 2:15 p.m. I greeted a group of Russian rectors who will be visiting our campus for the next two days. All six of the rectors are scientists: three chemists, two physicists, and one plant geneticist. I noted the large number

of scientists who are rectors in their country (more than 50%, I'm told). Remarking that I am new at the Chancellor job, I emphasized that I am determined to keep active in my scientific work as well. I told them about my plans to visit Russia for the Mendeleev Conference in March 1959 and the paper I am scheduled to present there. We discussed the possibility of cooperation on the naming of Element 102. Chancellor's Office staff had learned by the grapevine that the Russians (who are visiting this country for three weeks) are reportedly a little tired of being entertained so much and would like to do more serious "business". Therefore, we have arranged for them to meet with Berkeley faculty in their fields and the only social occasion planned is the luncheon I will host for them tomorrow. I gave Rector Gagik S. Davtyan, the plant geneticist who is heading the delegation, a copy of my book, Elements of the Universe, after which they were soon on their way to meetings at various departments on campus.

At 4:30 p.m. the Committee on Campus Planning met in the Chancellor's Conference Room. I presided over the meeting because Chairman Donald McLaughlin was absent. We discussed the plans for Chemistry Units 2 and 3 and the possibility of increasing the square footage of Unit 2 from 60,000 square feet to 80,000 square feet in order to accommodate the anticipated future enrollment. Bill Wurster pointed out that we must build to maximum acceptable density if we are to preserve the great open spaces of the campus. The Committee recommended further study on the basis of 80,000 square feet.

We then discussed possible locations for the museum honoring Ernest Lawrence. No decision was made, pending further information from the Regents.

C. W. Brown summarized the long history of proposals for the animal facilities for the Life Sciences Building. He reported that a poll taken of building occupants showed that the overwhelming majority of them would prefer that the animal quarters be located outside the building. However, the idea of locating the quarters outside of the LSB complex creates problems of deciding where else might be suitable without causing too much separation of departments or inconvenience to animal users.

I distributed copies of a report from the Committee on Buildings and Campus Development on possible uses that might be considered in a University development on presently submerged Berkeley waterfront lands. These uses include intercollegiate athletics, parking for campus use, residential colleges, research institutes, married and faculty housing and storage.

We discussed a number of other items, including possible acquisition by the University of the State Schools for the Deaf and Blind property, and adjourned about 6:30 p.m.

The Bears won their fourth victory of the season against St. Mary's, 57-55.

Wednesday, December 10, 1958

I attended the meeting of the Associate Directors at the Radiation Laboratory this morning.

In my Chancellor's Office I wrote to Emilio Segrè in Italy informing him that I intend to nominate him for the Nobel Prize in Physics again this year. I also remarked that I have not heard anything more from Adrian Kragen about the legal complications of our business venture with Larry Blake (which is probably a good sign). I wrote, "I am enjoying the Chancellorship moderately

well, although there are a number of duties, as I expected, that are not inspiring." Emilio is an old friend, with whom I can be very candid.

I signed a letter to Grace Morley, offering her the directorship of the art exhibition with which we plan to celebrate the opening next fall of the new building of the Departments of Art and Anthropology. Her responsibility will be for selection, procurement and arrangement of the exhibits which were planned by a committee under the chairmanship of Stephen Pepper (Art Department) last year. Donald Coney will act as her liaison with other campus agencies over such matters as budget, etc. We hope that this opening exhibit will show Berkeley's best efforts; recommendations for Dr. Morley have been very strong.

I also wrote to Clark Kerr, forwarding drawings and sketches of a proposed free speech area at Bancroft and Telegraph, and notifying him that I am asking the University-City of Berkeley Liaison Committee to start "immediate discussions...about ceding back to the city at the appropriate time sufficient land to make this use of the area possible." I am placing a lot of faith in the potential of this solution to our free speech problems.

Beginning at noon I hosted a luncheon for the group of Russian rectors visiting our campus in a private dining room at the Women's Faculty Club. In addition to the six rectors, their interpreters and State Department escort, 12 members of the faculty attended the luncheon: Kenneth Pitzer (Dean, College of Chemistry), Edwin McMillan (Director, Radiation Laboratory), Donald Coney (Librarian), Thomas Blaisdell (Director, Bureau of International Relations), Oleg Maslenikov (Slavic Languages and Literature), Leonid Tichvinsky (Mechanical Engineering), Otto Struve (Astronomy), Charles Jelavich (Director, Center for Slavic Studies), Milton Chernin (Dean, School of Social Welfare) and Vice Chancellors Hart, Strong and Sherriffs. I think the Russians enjoyed this one and only social occasion on their program here.

The Academic Advisory Committee (which I chair) met in the Chancellor's Conference Room at 3:15 p.m. Members present were: R. G. Bressler, C. W. Brown, L. Constance, J. D. Hart, C. W. Jones, D. W. MacKinnon and E. W. Strong. Leslie Lipson (Acting Director of the Institute of Social Sciences) also attended to participate in our discussion of the Institute. The discussion of proposed research professorships in the social sciences revolved around two issues: a) adjudicating the merits of the proposal in regard to educational policy, and b) finance. Charles Jones explained that the Educational Policy Committee has difficulty in pronouncing on the proposal without a central framework of policy in regard to Organized Research to which to refer. C. W. Brown agreed to supply an inventory of campus organized research to the Educational Policy Committee to use as a reference for their consideration of the proposal. In regard to finance, Lipson stated that the Institute's resources comprise about $47,000 per year for the next three years and, if the proposal were approved, this might increase to $500,000 per year. For this reason, he feels that foundations should be approached as soon as possible for the additional funding. I suggested that it would not be a good idea to go to the Regents for "authority to solicit" yet because of the probable inter-campus and inter-subject-field controversies which might result. We decided that, subject to presidential approval, Lipson might explore the question informally with foundations when he goes back east early next month.

We then went on to a more general discussion, that of the difficulties associated with planning for future increased enrollments. There was considerable difference of opinion about the possibility of establishing internal departmental quotas as a means to the end of securing space allocations. Ray Bressler argued that if the total enrollment were to be restricted, this could only be achieved by the development of a detailed plan, department by department, including the enforcement of departmental enrollment ceilings. Charles Jones and Ed Strong expressed the opinion that the main aim could be achieved by simply controlling admissions and still permitting individual subject choices. Lincoln Constance is convinced that artificial restraints on individual choices should not be imposed lower than the college level. We decided to continue this conversation at a later meeting, after all the committee members have had a chance to give further study to the Academic Plan with a view to its merits as a planning instrument. I adjourned the meeting at 5 p.m. promptly.

I drove home and picked up Helen to go to the dinner at the home of Dr. and Mrs. Abram E. Bennett (3915 Happy Valley Road, Lafayette) honoring Walter Alvarez, Luis Alvarez' dad. Also attending the dinner were Dr. and Mrs. Herbert Evans and others.

Thursday, December 11, 1958

Although I had intended to go up to the Rad Lab for the regular Thursday morning meeting of the Chemistry Group, I decided to spend the time set aside for that in the Chancellor's Office, catching up on the mail, etc.

I dictated a letter to Clement French, thanking him for his letter of November 28th about our support on the Bowl proposal by Washington State College. I commented that I am sorry that he and I did not have a chance to talk more during the critical period "because I suspect that we probably each retained a different version of the crucial events that led to the end. I did feel that you have been too harsh in your judgement of the two Los Angeles schools...". I went on to express my opinion that it was concern about the vociferous objections of The Tournament of the Roses Association and NBC and interest in protecting their interests in these contracts that dictated the UCLA and USC position, remarking that "My position was a more idealistic one and I suspect that there can be no way of determining who was right." I do hope to have a chance to discuss this in more detail with French the next time we meet.

I also signed a letter to the National Science Foundation, informing them that we are very interested in participating in their undergraduate research fellowship program and expect to be submitting proposals to them within the next two weeks. I hope that they will accept this notice of intent and allow us the extra grace period past their December 15th deadline.

I wrote to Ed Heller, Jack Neylan, Ed Carter, John McCone and Charlie Thomas, enclosing information about the preliminary planning for the Lawrence Memorial project. (Heller, Neylan, McCone and Thomas are all new appointees to the Memorial Committee.)

I also sent a formal notice of my approval of the free speech area proposal for the corner of Bancroft and Telegraph to Richard Jennings (Chairman of the University-City of Berkeley Liaison Committee), asking his committee to proceed with discussions with the City on this matter. Aware that there are

many details yet to be worked out (i.e. precise boundaries of the area, construction details, timing of transfer), I wrote,

> "I trust, however, that agreement in principle on this matter can be achieved as soon as possible so that further steps necessary to complete the plan may be taken within the University."

I was very pleased to receive a note from Bill Prosser (Dean of the School of Law) informing me that our June graduating class achieved a passing average of 89.87 in the September State of California Bar Examinations. This compares with an overall average of those taking the examination of 56.3 and with our cumulative average of 89.0, which is the highest in the state. Very impressive, indeed.

The campus police called my office this morning to notify us that they have received a message that a bomb will go off in Wheeler Auditorium this afternoon between 1 p.m. and 5 p.m. I instructed them to take the usual precautions (searching the building, watching for "suspicious characters", etc.) but not to evacuate the building. These are difficult decisions to make; however, I felt that the odds are in my favor since crank calls of this sort are fairly common.

At 11 a.m. I met with Otto Struve and Donald Shane in my office. They asked me if I would approve hosting the meeting of the International Astronomical Union on the Berkeley campus in 1961. This is a very big (approximately 1,200 delegates) and important affair in which there is generally a lot of participation from the State Department because of the importance to international relations. The University would be asked to entertain the delegates, provide the use of dormitory and eating facilities (for this reason it would be held between summer session and fall semester), and arrange transportation to the Lick Observatory for the delegates. The estimated cost to our campus would be $10,000-15,000. They mentioned that the last meeting was held in Moscow and that the only meeting ever held in the United States was in Cambridge in 1932. I told them to go ahead (request permission from the President's Office) and we would take care of it somehow. I asked them to follow-up with Bill Fretter on this.

I then telephoned Ed Pauley to give him a progress report on the Lawrence Memorial Committee. I told him that the committee has been expanded to include the five members we discussed but that we do not yet have a representative from Stanford. I mentioned that Herbert Hoover has been suggested; Ed feels that Hoover is too old. We talked about the possibility of Jim Black's participation but decided to abandon the idea because of Black's involvement in the Student Union fundraising. I raised the possibility of David Packard; Pauley doesn't know him. We also briefly mentioned the idea of adding Stan McCaffrey to the committee because of his interest in the project and his role in the President's Office regarding University fundraising efforts. We agreed that we will try to meet in Los Angeles at the time of the Regents Meeting next week. I will also make an effort to squeeze in a visit to the Los Angeles Museum of Science and Industry and we may invite Don Mutchmore to attend our meeting.

Ted Vermuelen telephoned me at about 11:30 a.m. to inform me that he will be chairing the special meeting of the Academic Senate Representative Assembly to reconsider the Newman Resolution this afternoon. If there are any press present at the meeting, Vermeulen will announce their presence and rule

out-of-order any motion to dismiss them. I told him that I will not make any comments on either the Newman Resolution or any substitute resolutions proposed.

After lunch, around 2 p.m., Alex Sherriffs and I met with Captain Clarence Severin of District Attorney Coakley's office. He explained to us that the photographers taking pictures at the student rally last week were trying to get pictures of someone that they are investigating as a suspect on a felony charge. He asserted that they did not clear their actions through my office because of the "time element" and apologized for the uproar that it has caused. I am satisfied that this is the truth and not a cover for an investigation of student activism, as some have inferred. I will release a statement to the Daily Cal that I have received a satisfactory explanation.

At 3 p.m. the Chancellor's Office staff gathered in the Conference Room for a brief interlude of holiday cheer. As usual in these affairs, staff members brought refreshments (cookies, punch, etc.) for the party. Opportunities for casual socializing are few and far between in the busy Chancellor's Office and I enjoyed the chance to chat for a few minutes with some of the secretarial staff with whom I have very little contact on a day-to-day basis.

Frank Newman and I got together at 3:30 p.m. to talk about the Representative Assembly meeting this afternoon. I told Frank that I will attend the meeting but I will not take a stand on the academic freedom issue. I am concerned that whatever way today's meeting turns out, the other side will take the decision with good grace. I expressed hope that there will not be a faculty split on this issue and he said that he hoped the same. I also offered to share with him copies of my correspondence with District Attorney Coakley regarding the photographers incident; however, he did not wish to see it, accepting my word that Captain Severin's explanation of the incident was satisfactory.

We then walked over to the meeting in Wheeler Auditorium which began at 4:10 p.m. There was considerable heated debate about the relative merits of the Newman Resolution (now called the "Academic Freedom Resolution") and the substitute resolution (called the Williams-Rolph Resolution because it was proposed by Robley Williams of Biophysics and Earl Rolph of Economics). The Williams-Rolph Resolution is an affirmation of the University's belief in the principle of academic freedom; however, it does not forbid disclosures about student attitudes towards religion, politics and public affairs but relies on the judgement of individual faculty. Williams argued that their more permissive rather than mandatory resolution ("lacking deliberate phraseology", as Rolph put it) would allow a professor to define his responsibility in disclosures only in context, with his own judgment prevailing. Frank Newman responded that his committee believes that "students are entitled to a rule and not a pious affirmation" and insisted that faculty should not be required to individually resolve this difficult problem of academic ethics, pointing out that they might be hazarding their own security clearance in the process. The Williams-Rolph substitute resolution was put to a vote and defeated 30 to 22.

At a little after 5 p.m. I returned to my office to meet with the Russian exchange students visiting here. I welcomed them to our campus and gave a copy of my book, Elements of the Universe, to Valentin Revin (who will be studying chemistry here). The Russian students do not have any complaints about their treatment here and seemed to understand that the events of last

weekend (Hallinan's press conference) were the work of a minority of Berkeley students. I told them, that I would like to see them again later in their visit to learn more of their experiences here.

No bomb went off in Wheeler Auditorium.

Friday, December 12, 1958

The Chancellor's Office calendar continues to be a bit lighter than usual. Since I expected to be in Moscow December 7th- 20th for the Mendeleev Conference, I turned down many requests for attendance at meetings, speaking engagements, etc. It turns out to be a real blessing, giving me the first breathing space since I accepted the appointment as Chancellor.

I finally got a chance to concentrate on the stack of proposals sent to me for review in my role as a member of the Advisory Committee on New Educational Media. Some of the proposals, which tend to be for the study of the use of television in education, look quite interesting. I look forward to reading some of the critiques of these proposals which result from the December 17th and 18th meeting in Washington. (Unfortunately, since these are the exact dates of the Regents Meeting in L.A., I will not be able to attend.)

I wrote to Roy Hall, commenting on the immense amount of work which review of these proposals would entail if the committee elects to rate them themselves. I suggested that we adopt the alternative, which he mentioned to me in a telephone conversation, of naming sub-groups with consultants to do most of the preliminary work. I also observed that many of the proposals include requests for money for equipment and facilities (such as television cameras and microwave links) and that I had understood that the policy was that no money would be spent for this sort of thing. I declared my support of the expenditure of funds for equipment (if it is within the purview of the NDEA act, of course) to allow organizations without TV facilities to make a start. I feel that exposure to ideas for educational uses of television across the country through my work on this committee is going to be quite fascinating.

At Errol Mauchlan's request, I reviewed a letter from Edward L. Feder (Administrative Assistant to Lincoln Constance) recommending that we hire a commercial electronics engineering firm to do a preliminary survey of our anticipated needs and estimated expenses in establishing a language laboratory. He expects that a technical survey of this cost (with specifications of such things as types of equipment and circuits, installation and maintenance costs, etc.) might cost us as much as $1,000. However, his argument that this would be sensible in view of our need to submit an operating budget as a part of our proposal to NDEA under Tittle VI and of the rough estimate that we will spend $200,000 on the language laboratory (not counting building remodelling costs) is very persuasive. I gave my approval to going ahead to identify someone qualified to do this work.

I wrote to Clark Kerr proposing the idea (originated by Ken Pitzer) that we establish several prestige undergraduate scholarships as a means of attracting exceptionally able undergraduate students. As a result of a conversation at a CAAC meeting last spring, during which how to compete with private institutions in attracting the top one or two percent of high school graduates was discussed, Ken has proposed scholarships of modest financial amounts (for example, $150 per year) named after either donors or distinguished chemists

and available only to new freshman or upperclass transfer students. The total cost of such a program would not amount to a very great expense, given the potential benefit of recruiting students who might be drawn by the special distinction of these scholarships; however, as I observed in my letter to Kerr, I am not sure where the funds would come from. I wrote to him primarily because I am aware that instituting and financing such scholarships would have obvious University-wide implications.

I also wrote to Kerr seeking his permission for Leslie Lipson to begin informally exploring the possibility of support for research in the social sciences with foundations (particularly with the Ford Foundation). As I told Kerr, Lipson is especially interested in getting foundation support for the establishment of faculty research professorships; however, his initial explorations with foundations would be limited to the general idea of research grants to the Institute of Social Sciences. (Lipson pointed out that it appears to be the policy of bigger foundations to make wholesale grants which are then distributed retail on the campus.)

I then wrote officially to C. W. Jones (Chairman of the Educational Policy Committee) requesting consideration by his committee of the question of releasing faculty members from regular duties for research (over and above sabbatical leave provisions). I summarized the history of this practice on our campus (which so far has been limited to the Miller Institute for Research in Basic Sciences and to the Department of Political Science through the Rockefeller Foundation program) and specifically put forth the proposal by the Institute of Social Sciences. I concluded by noting that "extension of such provision to the social sciences would appear logically to entail, in further step, comparable released time and research professorship provisions for the humanities."

After lunch I went up to the Radiation Laboratory to work with Eileen Carson on some correspondence there. I read a translation of a telegram received there from V. V. Kozlov (Head Scientific Secretary of the USSR Academy of Sciences) informing me that the opening of the VIII Mendeleev Conference in Moscow is now scheduled for March 16, 1959, and inviting me to attend the conference as their guest March 15th- 28th. He also notified me that the text of my paper has already been translated into Russian and will be printed for the conference. These dates are completely impossible for me. My inauguration as Chancellor is planned as a part of the Charter Day ceremonies on March 20, 1959. I am very disappointed that I will not be able to participate in this important conference and visit the laboratories of my Russian colleagues as I had planned. Al Ghiorso will have to represent the Radiation Laboratory, and perhaps Stan Thompson will be able to go, too.

I signed two letters making nominations for the 1959 Nobel Prizes. For the prize in Physics, I nominated Emilio Segrè again for his work in the discovery of and investigation of the properties of the antiproton. I noted,

> "You may want to consider O. Chamberlain as a co-recipient of the prize, in view of his key role in the discovery of the antiproton, the piece of work on which this nomination is chiefly based."

I also nominated Melvin Calvin for the prize in Chemistry again for his work in the field of plant metabolism, particularly for his identification several years ago of the acceptor molecule and of the cycle of reactions wherein the acceptor molecule is consumed and regenerated.

Eileen and I also talked about the two books I am currently working on: Nuclear Properties of the Heavy Elements with Iz Perlman and Earl Hyde, and a shorter version of The Chemistry of the Actinide Elements (published last year) with Joe Katz. I mentioned that Joe will probably visit Berkeley next spring to work on this.

At 4 p.m. I went back down to the campus to drop by the reception at the Alumni House hosted by the Center for Slavic Studies in honor of our eight Russian exchange visitors.

Our basketball team lost tonight for the first time this season, to Kansas State, 68-65.

Saturday, December 13, 1958

I caught up on a lot of reading of scientific journals, etc., and worked on some upcoming speeches.

Helen and I attended the Christmas party of the Chemistry Department at the Veteran's Memorial Building at 1931 Center Street in Berkeley.

Sunday, December 14, 1958

Another quiet day at home, reading and playing with the kids.

Monday, December 15, 1958

My day at the Chancellor's Office began with the Student Office Hour held between 9:30 a.m. and 10:30 a.m. Alex Sherriffs and I visited with nine students during that hour. The last two students, Jim Martin and Lois Hankster, came in to talk about the critical need for more permanent married student housing. Martin is Chairman of the University Village Association which represents married students presently living in the University housing in Albany. Married students are particularly concerned about the shortage of University housing for them because, despite a waiting list of over 1100 couples, 126 units in the Albany Village are scheduled for demolition in July 1959 to clear the land for agricultural experiments with tobacco. As they pointed out, the number of married students on our campus is growing rapidly, from 20.7% of the total student population in 1952 to 25.5% in 1957. Of this number, more than 50% have children and 30% have two or more children. These students have an especially difficult time finding housing in Berkeley's tight market and have a very genuine need for support which the University provides in Albany's affordable housing. Martin admitted that he is aware that the University is studying the problem. However, as he said quite reasonably, he knows that the University first began planning the residence halls which will open next year in 1947- and he is afraid of the same sort of "administrative inertia" in dealing with married students' housing problems. He specifically asked that a married student be appointed to the Chancellor's Advisory Committee on Student Housing and argued that the married representative should come from the University Village Association, as the only married student organization at Berkeley. I thanked Martin and Hankster for coming to see me, accepted a letter from Martin summarizing their arguments, and promised to look into the situation. I am very sympathetic to the problems of young married couples (particularly those with young children). I am grateful that

I was well launched on my career before Helen and I married and began our family.

After the student hour, I spoke by phone with Roger Revelle (Director of the Scripps Institute of Oceanography at La Jolla) about the visit this week of the Russian oceanographic ship, the Vityaz, to San Francisco. The Vityaz is the largest ship of its kind in the world. It is supported by the USSR Academy of Sciences and carries 69 people, of which 30+ are scientists. Revelle would like us to entertain the 30 Russian scientists and about 20 people who are coming up from Scripps to see the Vityaz on December 18th. He suggested a reception at the Claremont Hotel and told me that Jeff Frautschy (Assistant Director at La Jolla) is planning to see Stan McCaffrey and me this afternoon with a list of people who might be invited. I asked Jim Hart to handle this. We have certainly been entertaining a lot of Russians lately.

I then settled down to read a rather involved memo from Errol Mauchlan on the subject of the 1959-60 budget. Revised enrollment estimates for both 1959-60 and 1960-61 recently received from the Office of the Registrar indicate that our previously proposed reductions to the budget are too extreme. Revised enrollment projections for 1959-60 show a 6.3% increase rather than 0.5% and for 1960-61, 8.3%. Therefore, we cannot make the reductions in staff to which I reluctantly agreed in October, if we are going to maintain the agreed upon student-staff ratio of 28.4. Other reductions, such as those to the Student Health Service and the Dean of Students Office, which are directly related to enrollment per capita figures, should be restored to the original budget requests. Given the increase in enrollment for 1960-61, it seems to me that these reductions might reasonably be eliminated on the grounds of prudence in view of future needs. I will want to talk more with Errol about this problem before writing to President Kerr to change my position about the budget reductions. However, we will have to act quickly on this in order that the State Department of Finance might be apprised in a timely manner of the changed situation in regard to the Berkeley campus budget. The difficulty in projecting future enrollments is a result of our commitment to admit all qualified Californians with a B average or higher to our unique public institution despite the common argument that we ought to raise admission standards and control enrollment.

At noon I went up the Hill to the Rad Lab for the regular Monday brown bag lunch meeting of the Chemistry staff. I read a letter there from Rod O'Connor (Assistant Professor of Chemistry at the University of Omaha) inviting me to speak on the transuranium elements by telephone to a chapter of the Student Affiliates of the American Chemical Society. I asked Eileen Carson to write and accept their invitation, suggesting that April would be a convenient time for me.

I am very sad to learn that David C. Grahame died of a heart attack last week in London. This comes as a great shock to me. Helen and I saw Dave and his wife, Virginia, at the American Chemical Society meeting in San Francisco and visited and had dinner with them at the Dakin home (Virginia's parents) in Burlingame last spring. Dave seemed so vital and youthful looking at that time. We were research partners during our graduate students days and spent many all-night sessions in the old East Hall making our measurements on the inelastic scattering of neutrons using Professor Lewis' 200 m.c. Ra-Be neutron source. I was very fond of Dave and his death has had a severe emotional impact on me.

At 3 p.m. Raymond W. Kettler (University Controller) came to my office to discuss the reorganization of Controller's Office activities as a part of the

general move to decentralize administrative functions to the Berkeley campus. He provided me with a chart showing the proposed organization which would make Norman M. Mundell (Chief Accounting Officer for the Berkeley campus) report directly to me as Chancellor. Under Mundell there would be three assistant chief accounting officers: Supervisors of Payroll, Disbursements and General Accounting. The scheme looks reasonable and workable to me. I promised to talk with my staff about it at the Cabinet meeting tomorrow and let him know of their reactions.

A phone call from Det Bronk interrupted our meeting for a few minutes. He called to let me know that George de Hevesy has been selected for the Second Atoms for Peace Award ($75,000). The award will be presented on Thursday, January 29, 1959, and Det asked me to speak on de Hevesy's scientific accomplishments at the ceremonies. He mentioned that they are trying to get Dag Hammarskjold to speak on the international relations aspect of the prize. Under pressure, I accepted. They expect an audience of 300-400 people at the award ceremonies. All of our expenses will be paid. I asked Anna Carol to call Eileen Carson at the Rad Lab and ask her to look up biographical information on de Hevesy for my use in preparing a 20 minute speech for the occasion.

At 3:30 p.m. I met by appointment with Leonard Tichvinsky (Mechanical Engineering) in my office. He offered his services as an interpreter for my trip in Russia. I told him that I will not be able to attend the Mendeleev Conference after all and thanked him for his offer. I was interested to learn that he has known Ivan Pavlovich Bardin (Vice President of the USSR Academy of Sciences) for over 20 years. I asked him to get in touch with Jim Hart about plans for entertaining the Russian oceanographers from the Vityaz.

This evening was the night of the annual Boy Scouts Christmas Party to which parents are invited. Helen, Lynne and I joined Pete and his fellow scouts for a program and refreshments on the second story of the Lafayette Town Hall.

Tuesday, December 16, 1958

When I arrived at the Chancellor's Office this morning, I learned that Maynard Morris had called to report a murder on campus very early this morning. A physics student, Wolfgang L. Marx, was murdered by John William Hampton, who claimed that Marx was having an affair with his wife. Hampton apparently went hunting for Marx, found him working in his laboratory at Le Conte Hall, shot and killed him instantly. Campus police apprehended Hampton when he returned to the scene of the crime in search of the gun which he had dropped. This is the first murder in the history of the Berkeley campus. Morris reported that he is doing his best to wrap up the story. Murder always commands the attention of the press- but Morris hopes that since there is no mystery in this case, it will receive complete coverage without further follow-ups.

My calendar this afternoon is very full. I took advantage of the early morning hours to go through mail and sign some letters. A letter from Bill Stricklin (ASUC President) passed on an Executive Committee motion urging that high priority be placed on the building, at the earliest possible date, of permanent low-cost housing for married students. He acknowledges that troubles which the University administration has in trying to satisfy everyone in prioritizing building programs, and writes,

"I hope you will realize that this letter is not intended as an expression of lack of confidence in the competence of the University administration to establish an equitable building priority. It is intended, however, to again focus attention on the great problems faced by many of the married students on the Berkeley campus in finding adequate housing at a cost which they can afford as students."

Bill goes on to confide that he has heard rumors that we are considering designating Smyth-Fernwald housing for married students in cases where both husband and wife are students and suggests that it would be a "grand idea" to publicize this if it is true. He added a personal postscript with the news that he and Sue Trees (ASUC Vice President) have already found an apartment. They are getting married this coming weekend. I wonder if this is the beginning of a new Berkeley tradition- last year's ASUC President and Vice President, Roger Samuelsen and Colette Morgan, also married.

A letter from Louis DeMonte reports that the estimated cost of the development of a roof area on the Law School addition is $21,000. It remains to be determined if this roof addition is desirable. If we decide that it is, we will have to choose between eliminating other amenities provided for in the contract already approved by the Regents and going to the Regents with a request for more funds. I will want to talk with both Bill Prosser and C. W. Brown about this.

I also read an interesting letter from Charles E. Smith (Dean of the School of Public Health) on the subject of the ongoing review of the School's curriculum to determine if the courses are "vocational" or "professional". He advises me that representatives from the Committee on Courses met with him and Jessie Bierman (who chairs the Public Health Curriculum Committee) last week to consider this issue as a result of the Regents' directive to terminate vocational courses and make them the responsibility of state colleges. Smith lists five areas of specialization provided under the Public Health B.S. major: Biostatistics, Pre-administration (hospital administration), Public Health Education, Public Health Laboratory and Sanitary Science. Noting that the last three programs are available at state colleges (but he does not know if they are taught at "vocational" or "professional" levels there), he states,

"...it is the sincere belief of the faculty of the School of Public Health that all five curricula are taught at our School in Berkeley at a level which is an appropriate admixture of 'liberal arts' blended with 'professional'."

Smith urges that I appoint an ad hoc committee to review their undergraduate program. These are very tricky determinations to make; I think Smith's suggestion that we include consultants that are "recognized leaders in public health in our area" on the committee makes perfect sense. Ed Strong has volunteered to follow up on this.

A memo from Bill Fretter summarizes his conversation with Ted Sherburne about the NDEA television grants. Ted just returned from back East, where he spent some time in the Office of Education in Washington learning more about the NDEA policies. He reported that the Office is recommending strongly against purchase of equipment funding; however, the Committee on New Educational Media (of which I am a member) is empowered to change the policy on this. Sherburne told Fretter that our television proposals under the Act will be ready for

consideration by the Regents at their January meeting: a study of motivation in mathematics education and a Journalism- Education proposal on Careers in Science. They believe that the School of Education's proposal for television supervision of secondary school practice teaching is "dead" because it specified $60,000 for equipment.

Just before 11 a.m. I called Roy Hall (who was "just about" to call me in response to my letter of December 12th). He told me that the Advisory Committee on New Educational Media will consider the issue of funding equipment and thanked me for my comments on their review process. We also talked about possible dates for meetings in January and February. (I told him February will be very difficult for me.)

At 11 a.m. Lincoln Constance came in for our regular Tuesday morning conference. As usual, we had a large number of things to talk about. Lincoln told me that the Journalism Department poll for a chairman to succeed Phillip F. Griffin disclosed a strong preference for Charles M. Hulten. I indicated that I will appoint Hulten Chairman of the Journalism Department, effective July 1, 1959.

I inquired about the possibility of Douglas Chrétien acting as campus coordinator for NDEA proposals. Constance indicated his support of this idea. (Chrétien now holds a joint appointment in Speech [.67FTE] and Linguistics [.33FTE]; he would change to .50FTE on the NDEA assignment, dropping his commitment to the Speech Department. Constance will work this out with the department chairmen.)

I expressed my interest in finding someone in the University who could devote half- to full-time for six months to a year to organizing the Lawrence Science Museum project and asked for suggestions. Lincoln had no ideas off the bat but promised to think about likely candidates.

He left me a copy of a proposal from Madison Beeler that we establish the study of Egyptology on the Berkeley campus (in the Near Eastern Languages Department) and mentioned that the first (organizational) meeting of the Foreign Language Council will be held in Constance's home tomorrow.

At noon all members of the Chancellor's Cabinet held our regular Tuesday lunch meeting in the Conference Room. We began the meeting discussing possibilities for the job as coordinator of the Lawrence Memorial project. Hugh Bradner was suggested and I agreed to check with Ed McMillan and Luis Alvarez about his availability. I then reported that Clark Kerr has agreed that the Space Sciences Laboratory should be located at Berkeley. I also informed the staff that George Pettit has been appointed statewide coordinator for the National Defense Education Act and that I plan to meet with Douglas Chrétien to discuss the idea of his acting as coordinator for this campus. I shared information about the new organization of the Controller's Office activities for the Berkeley campus which I discussed with Ray Kettler yesterday; the staff agreed to accept both Kettler's organizational chart and the personnel he indicated for the various supervisory positions. We decided that Alex Sherriffs will give a brief presentation to the CAAC on the exchange students from Russia and the activities in which SLATE tried to involve them over the "free speech" issue. However, a statement to the Daily Cal on this subject was judged ill-advised after further dicussion. The meeting ended with an open discussion of some of the problems in the Registrar's Office in preparation for my meeting with Clinton Gilliam later this afternoon.

After the meeting, I called Ed McMillan to sound him out on the idea of Hugh Bradner acting as coordinator for the Lawrence Science Museum project. He said that it seems okay to him but agreed that I should talk with Luis Alvarez before bringing it up with Bradner. I then called Luis, who said he is reluctant to let Bradner go. However, he agreed to the proposition if Bradner wants the job. He will talk to Hugh this afternoon and then ask him to call me for an appointment later in the afternoon.

Dan Wilkes came in at 2 p.m. to sit in on my interview with Stuart Kaplan for the Golden Bear Review scheduled for 2:10 p.m. Most of our discussion centered around the need for science and engineering students to have exposure to the liberal arts and my idea that liberal arts students should also be required to take a survey course in the sciences, a "science for non-majors" course.

Around 2:30 p.m. Mayor Claude Hutchison of Berkeley telephoned to tell me that an advisory committee on Berkeley campus capital improvements will be coming up at the next election. I concurred in his choice of Dick Jennings as a candidate for this. He asked me for the names of two or three other University people (residents of Berkeley, naturally) that might be good prospects for this role. I'll ask Milt Chernin to suggest some people.

Clinton Gilliam and I met at 3 p.m. to talk about the problems in the Registrar's Office. Gilliam is obviously very frustrated by what he sees as the unfair burden placed on the Registrar's Office in administrative matters not directly concerned with their primary role of maintaining academic records. The Registrar's Office presently acts as the agency to handle such matters as the status lapse procedure, refusal of service to former students for delinquent accounts, etc. Gilliam believes that these services (which might more appropriately be handled by the Dean of Students Office or the Cashier's Office) earn them considerable ill will. He suggests that particularly in the case of failure to respond to notices the Dean of Students Office should dispatch all certified letters and in the event that it is necessary, advise the Registrar's Office to drop the student from the rolls. I promised him that I would look into this suggestion and discuss its feasibility and desirability with Hurford Stone.

A more critical issue, however, and one which contributes greatly to the Registrar's Office's reputation for poor service is the role that they end up playing in advising students of the University rules and regulations. This function should be performed by faculty advisers. In Gilliam's experience, the system works quite well in schools and colleges, such as Business Administration and Engineering, where they audit the program and sign the study list in the Dean's Office. However, in the case of the College of Letters and Science, which has no centralized organization for handling the thousands of students involved, the Registrar's Office is placed in the position of acting as auditors for the College and picking up the mistakes that are otherwise corrected in the other deans' offices. Misadvice from faculty advisers (who often do not understand the rules and regulations or their own responsibilities in advising) gives students the impression that they are "getting the runaround" from the Registrar. Staff frustration in Gilliam's office has mounted to the point of short tempers. Gilliam told me that he has talked with individuals on his staff about the need to be patient and service-oriented and that he plans to remind his entire staff of the importance of communicating the rules clearly to students at a meeting next

week. He proposes that the Chancellor's Office develop a rules and regulations publication which could be issued to all faculty members in a loose leaf form so that it might easily be updated as rules change. He feels strongly that this book should include specific examples of each type of form used as well as detailed instructions for changes of grades, room permits, final course reports, handling of probation and dismissals, etc. I attempted to reassure him that I understand his problems, thanked him for his suggestions and promised to have my staff look into the idea of publishing a manual for faculty. (This is something that I think Chernin and Fretter might coordinate.)

Joseph L. McCarthy consulted with me about candidates for Dean of the Graduate School at the University of Washington at 3:30 p.m. I rated Arthur Cope of MIT, Norman Ramsey of Harvard, and Ken Pitzer and Bill Fretter of UCB as the top candidates. My next line of choices would be John Wheeler of Princeton and Paul Bartlett of Harvard, followed by Hans Neurath and Paul Cross of Washington, Harrison Brown of Cal Tech, and Phillip Abelson of the Carnegie Institution.

At 4:15 p.m. I met very briefly with Bud Coyle about the business of the Nuclear Science and Engineering Corporation. (I am a member of the corporation's Board of Directors.)

At 4:30 p.m. Hugh Bradner came to my office to talk about the Lawrence Memorial job and my interest in his undertaking the coordination of our fundraising and planning efforts. He is interested in this idea but asked if he might think about it and give me an answer on Monday. I agreed to this, certainly, asking him to discuss this further with Bill Fretter and to read over the minutes of our planning meetings to date. I agreed that he might do the job on a part-time basis although, admittedly, I prefer the idea of full-time dedication to this project.

Before leaving the office for the evening's activities, I signed a couple of letters. An important letter to Vice President Harry Wellman brought to his attention the urgent problem of laboratory equipment for the Berkeley Departments of Anatomy and Physiology. An investigation by the Statewide Supervisor of Inventories has assessed the amount of laboratory equipment transferred to San Francisco by the San Francisco Department of Physiology in their recent move at about $46,000. The problem is so serious that classes in the Berkeley departments have been cancelled this semester as a result of the shortages of laboratory equipment and a number of courses planned for next semester will have to be dropped unless something is done immediately to replace the missing equipment. I noted that it is my understanding that before initiating necessary transfers, the Statewide Budget Office requires an adjudication as to the extent of the San Francisco campus' responsibility in this matter and a determination as to whether restitution should be financial or by way of return of the equipment. I asked him to advise Ellis Groff of his decision as soon as possible. I also wrote a very short memo to Ray Kettler, conveying our acceptance of his organizational plan for the Berkeley campus Accounting Office.

At about 6 p.m. I walked over to the Faculty Club to join in on the cocktail "half hour" before the annual Faculty Club Christmas dinner which began at 6:30 p.m.

The final University Meeting of the Fall Semester, our annual Christmas

program, began at 8:15 p.m.. in the Men's Gym. As is tradition, I presided over the meeting. I introduced John D. Hicks (Professor of American History, Emeritus) who delivered the annual Christmas message. In addition to briefly describing Hicks' illustrious academic and teaching career and listing some of his well-known books on American history, I recounted an amusing anecdote from the beginning of his teaching career in a one-room school near Powder River, Wyoming,

> "He was so young at the time, that on the first day of school one of his pupils asked him, 'Say, mister, is you a man or a kid?--- and he really didn't know?"

I then rejoined the festivities at the Faculty Club for awhile before heading home.

Wednesday, December 17, 1958- Berkeley/ Los Angeles

I spent the morning in the Chancellor's Office going over some correspondence and getting ready for the Regents Meeting in Los Angeles. Leslie Lipson wrote me a note to thank me for the opportunity to present his proposal for the Institute of Social Sciences to the Academic Advisory Committee last week,

> "It was encouraging to have your endorsement of these ideas to principle and to have your backing in the exploration of necessary finances. I do appreciate your friendly understanding of the needs and problems of research in the Social Sciences.

I also signed a response drafted by Milt Chernin to a freshman student, John Griffiths, who wrote eloquently to me about his objections to the tradition of "Blue Monday". ("Blue Monday" is the Monday before the Big Game with Stanford and is so called because all Berkeley students dress in our school color, blue, or risk harrassment by their fellow students.) Griffiths argued at considerable length that such traditions infringe on personal freedoms and expressed the opinion that I, as Chancellor, ought to do something about protecting "the right of some people to be uninterested in the Big Game, and therefore to wear whatever color of clothing they may desire." Chernin's draft hit exactly the right note to express my reaction to his argument,

> "I thoroughly agree with your basic viewpoint that a University is an institution in which basic rights and freedoms are respected and fostered... But I cannot agree with you that the rather harmless student activities, long sanctioned by custom, which characterize "Blue Monday"... constitute any threat whatsoever to basic values. They represent, rather, in my opinion, a type of light-hearted activity recognized as desirable and healthy in any group as a momentary respite from the serious work which characterizes the overwhelming majority of the students' time on campus. Please rest assured that the moment activity on this campus were to assume a character which threatened any basic rights it would promptly receive my most serious attention."

I am pleased to note an article in the Daily Cal which reports that the ASUC Executive Committee voted yesterday to send me a letter "commending his action concerning the photographers at the SLATE rally last week." It is not often that the Chancellor gets a "pat on the back" from the students; unfortunately, usually only complaints are voiced. According to the Daily Cal, the motion

also expressed disapproval of the photographers' action in their failure to contact the administration about what they are doing.

At 12:15 p.m. the Chancellor's Advisory Administrative Council met in the Conference Room. Present were W. A. Brownell, M. Chernin, D. Coney, L. Constance, J. P. Anton, C. C. Gilliam, E. T. Grether, J. D. Hart, R. Kerley, E. M. McMillan, M. T. Morris, C. F. Garland, K. S. Pitzer, K. A. Ryerson, A. C. Sherriffs, T. B. Steel, M. A. Stewart, K. B. Stoddard, O. W. Wilson and W. W. Wurster. The meeting began with my report, which included a number of announcements on such subjects as the Western College Accrediting Association committee for Berkeley, the University Meeting on January 6th to honor the Rose Bowl team, progress in separating some Berkeley campus functions from those of the statewide offices, space problems which result from the decentralization and the agenda of the CCCO meeting this evening.

I also summarized the results of my correspondence with District Attorney J. Frank Coakley and my conversation with Captain Severin of his office regarding the incident of photographers from the D.A.'s office taking pictures of students at the political rally. I told the CAAC that I am quite certain that the civil liberties implications of this action have been well impressed upon the District Attorney.

Alex Sherriffs then told the story of the Hallinan press conference and the Russian students. The members of the Council felt that this incident had very serious implications and agreed that it would be helpful to have regular reports on the student political picture. I offered to make some of the SLATE campaign literature available to anyone who would like to read it.

Errol Mauchlan then reported on the National Defense Education Act Conference which we attended on December 5th in San Francisco and I announced the selection of C. Douglas Chrétien as Berkeley campus coordinator for the Act and of George Pettitt as statewide coordinator.

A large part of the meeting was devoted to a discussion of the business of summer sessions. Gerald Marsh (Director of Summer Sessions) attended our meeting in order to participate in this continuing discussion. One potentially useful suggestion that came out of the meeting was the idea of establishing an academic Dean of Summer Sessions. The meeting adjourned at 3 p.m.

When I returned to the office, Anna Carol told me that John McCone's secretary called to let us know that McCone has agreed to serve on the EOL Memorial Committee. His letter of acceptance has somehow gone astray. I then called Ed Pauley in Los Angeles to talk about our plans to meet at some time during the Regents Meeting tomorrow and Friday. We agreed to have the small group meeting and to invite Bill Fretter to join us. Ed raised the question of whether Radiation Laboratory overhead money could be used for the memorial project. He suggested that we represent the museum primarily a "teaching center" and implied that we might approach the State more easily on that basis.

At 4 p.m. a University car picked me up and drove me to the San Francisco airport. I flew to Los Angeles via United Airlines Flight #666, departing San Francisco at 5 p.m. and arriving at Los Angeles International at 6:40 p.m. A UCLA driver met me at the airport and drove me directly to the Chancellor's House on the UCLA campus (10570 Sunset Boulevard) for the dinner meeting of the Council of Chief Campus Officers.

As usual, the meeting of the Council of Chief Campus Officers covered a lot of territory. Of primary concern was the results of the budget hearing in Sacramento, on which we CCO's questioned Kerr and Wellman closely, particularly regarding the research vs. teaching budget. It was implied that the research budget is not going to increase in the same ratio as the teaching budget, which will create some genuine problems.

Also of concern were the implications of the reorganization, in which there are to be five functioning Vice Presidents of the University: Vice President of the University (Wellman), Executive Assistant-Public Relations (McCaffrey), Government Relations and Projects (Corley), Business (construction, personnel, university policy and performance), and Finance (Budget Officer, Controller, analyses). As a result of the decentralization the administration expects us to save five positions on each campus. Each campus will have responsibility for a certain amount of salary savings each year (i.e. Groff used to save $1.6 million statewide).

The appointment of a Vice Chancellor for Business for each campus was discussed. He would be in charge of Architects and Engineers, Business Manager, Controller, Accounting, Personnel, etc. Some of the members of the CCCO were not in favor of using the title of Vice Chancellor for this job. I would like to discuss this with both the CAAC and AAC.

I spent the night at the Beverly Hilton Hotel, as I will tomorrow night as well.

Thursday, December 18, 1958- Los Angeles

The day of the Regents Meeting began at 9:30 a.m. with a meeting of the Committee on Educational Policy in the Administration Building at UCLA. Among the items on the agenda was a presentation by Clark Kerr on the number of bachelor's and master's degrees offered by the University of California and the state colleges. The statistical report indicated that the state colleges are in the field of education and raised the question of the possibility of the state colleges seeking authority to offer Ph.D. degrees. Clark Kerr replied that he expects that the state colleges will bring up this question during the forthcoming session of the state legislature. He remarked, however, that the Liaison Committee has not approved the idea of state colleges offering Ph.D. programs. (The Liaison Committee is advisory to both the State Board of Education and the Board of Regents but has no power to enforce its recommendations.) A discussion of the serious impact that this might have on the University ensued. There appeared to be general agreement that one effect of state college Ph.D.'s might be a general lowering of the reputation of the degree.

After the meeting I received a telephone call (referred from the Berkeley Chancellor's Office) from Kenneth Norberg of the Advisory Committee on New Educational Media. Scheduling the meetings of this committee is becoming a very tricky task; we talked about several dates for next year. He mentioned that he may visit me in Berkeley next week.

At 1:30 p.m. the Committee on Grounds and Buildings met in the Administration Building. Of interest to the Berkeley campus is the Committee's recommendation of professional appointments for the renovation of University House. They recommend Gardner Dailey as interior design consultant and Beth Armstrong as interior decorator.

At 3:15 p.m. Clark Kerr and I got together to consult on a number of matters regarding the Berkeley campus. (Clark is leaving on Monday for an extensive trip throughout Asia, sponsored by the Ford Foundation, and will not be in Berkeley until the first of February.) We discussed Ed Pauley's suggestion that we might be able to use UCRL overhead funds (if we can recover them from the State) to raise money for the EOL Memorial on a matching basis. He thinks we might use $1.25 million this way and encouraged us in submitting a proposal for this to Harry Wellman very soon. Clark also approved beginning to make informal approaches in Washington for funding the Space Sciences Laboratory through such people as Herb York and Bob Brode. He also mentioned to me that Louis DeMonte is not pleased by his transfer to the authority of the Berkeley Chancellor, despite what he says, and he has heard that Engineer Roscoe Weaver is very much opposed to this change, resulting from the decentralization plan.

At 6:30 p.m. we met for dinner in the Dining Room of the Home Economics Building on the UCLA campus. The dinner was followed by an open meeting of the Educational Policy Committee in Room 1118 of the building at which Herb York spoke on "Scientific Development in National Defense and Its Possibility for Scientific Development of the University of California." I also spoke briefly about the Berkeley plan for a Space Sciences Laboratory and indicated that the main problem will be funding. After the meeting I told Bob Brode about Kerr's go-ahead on informal explorations in Washington of possibilities for financing the Space Sciences Laboratory and Ray Allen mentioned to me that Samuel Herrick of UCLA would be a good man to involve in the Space Sciences planning.

Bill Fretter and I also met briefly with Ed Pauley and Jerd Sullivan about the EOL Memorial Committee. We decided that a meeting of the Committee should be held between Christmas and New Year which would include AEC Chairman John McCone. Ed thinks that we might begin spending the money allocated by the Regents for a coordinator and for commissioning the official biography of Lawrence. We talked a bit more about Ed's idea of using AEC money to form a foundation for funding the Hall of Science by emphasizing the educational function of the Hall. Sullivan told me that a member of the Crocker family indicated to him a desire to contribute to the EOL Memorial. It certainly looks like the Hall of Science idea has inspired many people.

Around 10 p.m. Herb York and I got together. I told him that I believe that the possibility of his being appointed Dean of Engineering looks good--we should know for sure by January 15th. He commented that it may be difficult for him to leave his commitments in the East by next summer. If he does come with us then, he may need to spend a few days a month in the East. I don't see any objections to that plan. We also talked about Kerr's approval of beginning to explore funding for the Space Sciences Laboratory in Washington. He informed me that he has already spoken with Keith Glennan and Hugh Dryden of NASA and has begun to explore the possibility of support from ARPA (Advanced Research Projects Agency- which he now heads.)

Friday, December 19, 1958- Los Angeles

The first of the Regents' committee meetings this morning was the Committee of Finance meeting at 9 a.m. in the Administration Building. I attended the meeting; however, like all of the chief campus officers (who often have little to do at these meetings), I confess that I popped in and out a bit. Around 9:20 a.m. I placed a call to Greg Engelhard in Berkeley. He told me that he

talked with Al Masters (Athletic Director at Stanford) yesterday and learned that Masters and President Sterling view Stanford joining the AAWU much more favorably now. Greg suggested to Masters that they move fast on this if that is their aim. I passed this interesting information on to Frank Kidner as soon as I got off the phone.

I then went to a brief meeting with Vern Knudsen and Bill Young of UCLA about the proposed Institute for Atmospheric Research. This institute will be national affair with ten or twelve universities participating. There is apparently a contest between the University of Wisconsin and the University of California about where it will be located. (There is also competition within the UC system between UCLA and La Jolla.) A statewide UC committee is being appointed which will include Otto Struve and John Verhoogen and possibly (although not likely) Ed Teller. We agreed that this will not conflict with the Berkeley Space Sciences Laboratory. We talked about the idea of inviting Samuel Herrick of UCLA (who is interested in navigation of rockets and thought well of by Struve) to join the Space Sciences Committee, thus giving the operation a little statewide aspect, even though the Laboratory will be located in Berkeley.

I then rejoined the Committee on Finance meeting. Their agenda was extremely long. A few of the items discussed were of particular interest to us at Berkeley. Vice President Corley reported that there are several proposals under consideration in Sacramento to impose special fees on students of the University. Ed Pauley suggested, with the concurrence of the other Regents, that Corley take the position in regard to these proposals that the Regents have the sole and exclusive right to assess student fees.

Jim Corley also pointed out that the law which prohibits the sale of liquor within one and a half miles of a campus where 500 or more students are in residence will go into effect in September 1959. He indicated that there is a great deal of concern about this on the part of industry and local communities and he anticipates that legislation will be introduced to reduce the liquor limit to one half mile or even one quarter mile. He asked for advice from the Committee. Ed Pauley thought that some provision could be made for exempting certain types of hotels or clubs from the restrictions of the law. (Examples he gave were the Claremont Hotel in Berkeley and the Bel Air Hotel in Los Angeles.) Clark Kerr pointed out that if exemptions were given to hotels, that would include the Durant Hotel in Berkeley, which is immediately adjacent to one of the large residence halls. A discussion of various ways of re-writing the law's determination of distance (i.e. measuring from the center of campuses instead of the boundaries) followed. However, no formula which would suit all of the campuses was discovered, so it was agreed that the present law should not be changed. Jim Corley was asked to report back to the Committee any amendatory legislation which might be introduced.

Clark Kerr advised the Committee that under the National Defense Education Act Title II funds are provided for student loans to the extent of $9 for every $1 provided by the University. He pointed out that while the provision of $1 will work no hardships on campuses with large endowment funds, it might pose a problem for new campuses. He recommended, and the Committee approved, the recommendation to the Regents that $47,400 be transferred from the Loan Fund Pool Reserve to establish a Federal Student Loan Fund to provide matching monies for NDEA students loans.

Just before lunch Harry Wellman and I spoke about the funding of the Lawrence

Memorial project. He said that he would get us the $1.25 million from some existing University funds and will bring this to an early Regents Meeting. He also said that he will talk with Ed Pauley about the idea of using AEC overhead funds as a source. One other positive note was his information that within a few years the income from the AEC overhead funds invested in dormitories will be about $600,000 per year and that this might possibly be a source of continuing support for the EOL Hall of Science.

At lunch Ken Pitzer told me that the appointment committee for the Dean of the College of Engineering has met and that he was instructed by them to ask me about my plans for reappointment at the end of the five to seven year period. I answered that he ought to quote the relevant rule and say simply that proper procedure will be followed and that the candidate will be informed of the rule.

I also talked with Ed McMillan, who informed me that Hugh Bradner is going to turn down our request for help on the EOL Memorial. He is going to approach Lionel Viales (of UCRL) to see if he would help coordinate the project half-time for six months.

The Full Board of the Regents met at 2 p.m. Among other things, they approved the appointment of Henry B. Bruyn, Jr. as Director of the Student Health Service, Berkeley campus, and the naming of our Men's Gymnasium after Albion K. P. Harmon (Harmon Gymnasium), the Strawberry Canyon Recreational Area, as such, the pool after Lucie Stern (Stern Pool), and the clubhouse after Walter and Elise Haas (Haas Clubhouse). Clark Kerr also presented several proposed changes to the Standing Orders of the Regents that result from the reorganization of administration to local campuses in such areas as accounting, etc.

At 5 p.m. I caught United Airlines Flight #677 to San Francisco International Airport. Arriving at 6:40 p.m., I was met by a University car which took me to the Berkeley campus where I gathered up some accumulated mail and picked up my own car before driving home to Lafayette. When I arrived home, I found that some students from the Forestry Department had delivered and installed in our living room a beautiful Christmas tree.

Saturday, December 20, 1958

This morning I went over some of the mail which I picked up from the Chancellor's Office on my way home last night. Bill Shepard sent me a memorandum supporting the calculation of $1348 as the average yearly cost to a full-time student of education at the Berkeley campus (including housing, etc.). In an accompanying memo, Errol Mauchlan points out that this is in line with other campuses of the University of California as well as with the national average. Errol remarks that there has been a fair amount of rush-figuring in the last two days; nevertheless, both Doug Chrétien and George Pettitt have been kept up to date in their coordinating roles. As the application forms to the National Defense Education Act Title II are due in the President's Office on Monday, I looked them over carefully and signed in the umpteen places required.

A letter from Charles Allen Thomas and copy of a telegram from John McCone, accepting membership on the EOL Memorial Project Committee, were also in my pile. McCone's telegram also notes the establishment of an AEC Ernest Orlando Lawrence Award "for outstanding contributions in atomic matters, which will be similar to the Fermi Award.

Dick Jennings (Chairman of the University-City Liaison Committee) wrote me a report on the progress of the plan to cede land back to the City for use as a substitute "Sather Gate". A meeting of the Committee on December 10th went very well. City officials appeared receptive to the proposal and City Attorney Fred Hutchinson sees no legal problems, noting that in fact this might be accomplished including a right of reversion to the Regents should the land be used for any other purposes than pedestrian. Hutchinson promised to take this matter up with the Chief of Police and get his input on possible policy problems. Jennings concludes,

> "...on the basis of these discussions it would be perfectly proper to represent to the students that the matter has been presented to the City officials through the channel of the Liaison Committee and is being studied; that the matter was favorably received by members of the City Liaison Committee and that the final details... will be concluded in the reasonably near future. It would seem that all the students could possibly ask is that we proceed with promptness to an orderly solution of the problem. I am sure they will understand that your office has moved with very great speed on this matter."

I certainly hope so.

In the afternoon I played golf with Dan Wilkes at the Contra Costa Country Club. In nine holes, Dan scored 43, and I, 50. I also mentioned to Dan that we ought to have a definite proposal about the Lawrence biography soon.

Sunday, December 21, 1958

I spent the morning catching up on reading, etc.

Today is a popular date for student weddings. (Christmas recess began Friday and instruction does not resume until January 3rd, allowing time for a brief honeymoon.) Unfortunately, Helen and I had to regret several invitations to wedding receptions but we chose to make an appearance at two of them. We went first to the Marilyn Ross-Wendell Stanley, Jr. reception at 944 Reliez Station Road in Lafayette and then to the reception for Bill Stricklin and Sue Trees at Alumni House.

At the latter reception I had a chance to chat with Stan McCaffrey, mentioning that I might well call on him for help with the EOL Memorial, as he offered. Stan told me that he agrees that the Space Sciences Laboratory should be a part of the Berkeley campus. I also sounded him out on the idea of Dan Wilkes writing the Lawrence biography; he thinks Dan would be a good man for the job.

Monday, December 22, 1958

Although there are no classes during the Christmas Recess and students and professors are on vacation, business in the Chancellor's Office continues as usual. This afternoon I will be fairly busy with appointments and meetings so I took care of correspondence this morning.

A note from Milt Chernin informed me of his recommendations for Berkeley campus (and Berkeley resident) people to serve on the Berkeley Capital

Improvements Committee. Milt has already telephoned the following list to Mayor Hutchison's office (as I asked him to do): Davis McEntire, Donald Foley, Sherman Maisel, Joseph P. Harris, and Henry Vaux. He noted that he has not checked their willingness to serve but that they are all knowledgeable about Berkeley affairs, Dean Vaux being the most conservative of the group.

I sent a memo to Harry Wellman (now Acting President in Kerr's absence) requesting permission to authorize payment for lunches of University members serving on the University-City Liaison Committee. Luncheon meetings are required for this group and Chairman Dick Jennings is of the opinion that poor faculty attendance at recent meetings can be attributed to the high cost of lunches at the Hotel Durant. (Lunches there run about $2.35 per person compared with $1.50 per person at the Faculty Club, which is now closed for renovation.) Ordinarily, the University does not reimburse the cost of meals but I believe that the particular importance of the work of this committee justifies making an exception to policy.

I wrote to Dean Prosser of the Law School advising him that I support the Buildings and Campus Development Committee's conclusion that the construction of the law building should proceed as planned and that his proposal for a roof area might be considered at a later date in conjunction with other projects like the Law building addition. Highest priority at this time is given to providing faculty office and research quarters, as well as trying to provide space for the student needs of an expanded campus.

I responded to a very interesting letter from Richard Jencks, a Berkeley alumnus now living in Pasadena, about his concerns for the future of our campus. Mr. Jencks maintains that the Berkeley campus enrollment should not be allowed to grow past the 25,000 figure we now predict for 1963. He quotes the Regents' statement that "It is not intended... to raise the standards of admission in order to prevent the unwieldy enrollments" and asks, "Should the master of a ship not intend to limit its capacity to prevent it from foundering?" He advocates higher admission standards or additional campuses to accommodate the larger number of qualified students. An additional concern voiced by Jencks is for the beautiful natural setting with which we are blessed at Berkeley. His letter concludes,

> "Many thoughtful persons suspect that the growing estrangement of man from his natural environment is one of the root causes of maladjustment in modern society. Must we not therefore see that the University, at least, in its physical presence, maintains a proper balance and relationship to the natural scene? More, should it not maintain a proper balance and relationship to its own past, a continuum of excellence, so that, in substantial part, the campus which I now describe to my son will, when he arrives there, be as recognizable as was the campus which my mother described to me?"

I answered (a bit less eloquently than he wrote),

> "I share your concern that the quality of our educational offerings be maintained at a high level, and that the beauty of our campus be preserved. We are making every attempt to ensure that this will be so, and that the advantages which bigness has to offer will not be offset by crowding and impersonality."

I also wrote a letter of recommendation for Evan Appelman to Clyde Hutchison at the Fermi Institute at the University of Chicago. I expressed the opinion that "there is little question that in intellectual capacity and knowledge of the principles of physical chemistry that Appelman is one of the best students we have had in the past ten years."

At 10:30 a.m. Don McLaughlin telephoned to ask if I would speak at a conference in San Francisco next February sponsored by the American Institute of Mining, Metallurgy and Petroleum Engineers. I agreed to speak on "The Nuclear Age" and to include a description of the Second Atoms for Peace Conference in Geneva last September.

I then went up to the Radiation Laboratory. I went first to Iz Perlman's office to dictate a couple of letters to Eileen Carson. I wrote to Professor Verhaeghe at the University of Ghent (Belgium) in response to his request for advice regarding the choice of a research machine. I noted that in general we (at UCRL) favor particle accelerators for their versatility and that I do not believe that electron accelerators are very useful for research in nuclear and radiochemistry. However, I also admitted that I am not at all acquainted with the actual design characteristics of new electron accelerators nor with the slow neutron fluxes they can furnish.

On essentially the same subject, I also wrote to Professor J. Gillis (Pro-rector at the University of Ghent) on the possible usefulness of an electron accelerator as a neutron source for activation analysis. I remarked that the UCRL Chemistry group has done no substantial work in activation analysis and has no experience in the use of electron accelerators as neutron sources. We must, therefore, base our comments on advice from colleagues at other laboratories and a brief perusal of literature on the subject. I also commented on the difficulties of attempting any sort of precise answer without knowledge of the design characteristics of the accelerator and reactor which they are considering. I commented that it will be important to know how intense a slow neutron flux might be generated in some moderating medium from the high energy neutrons produced by the electron accelerator, noting that it might be possible to increase the neutron flux by an order of magnitude by using some ingenuity in the design of a sub-critical neutron multiplicative assembly at the target end of the accelerator.

While I was in Iz's office, I received a telephone call from Ed Teller, who told me about his conversation over the weekend with W. O. Milligan about the proposed Welch Foundation reactor with fluidized fuel. He suggested that I write a letter to Milligan, expressing interest in their approach (although Ed doubts that they can do it alone). He mentioned that Ted Merkle is interested in cooling with a gas (with suspended carbon particles), i.e. "fluidized coolant" instead of fluidized fuel. Teller suggested that we start on a small basis with help from the Welch Foundation- a joint enterprise that might expand. (He thinks that the Welch Foundation might put up $250,000 to $500,000 annually.) The other possibility, of course, is that we might undertake this project by ourselves. I immediately sent off a short note to Milligan, asking him for a brief description of the proposed reactor so that I might study it further.

I then went to the regular Monday lunch meeting of the Chemistry group. After the meeting I talked with Donald Cooksey about the EOL Memorial projects. He agreed that Dan Wilkes would be a good man for a biography of Ernest and feels that Dan would be enthusiastically approved by Molly Lawrence. I mentioned Ed

Pauley's idea of using overhead money to build a funding foundation for the Memorial Museum. Cooksey was quite enthused by this idea and promised to talk with Wally Reynolds (the Rad Lab Business Manager) about it. He told me that he and Reynolds have already talked about the possibility of Lionel Viales acting as coordinator for the early planning phases of the museum and have agreed that he would be a good choice. Reynolds will discuss it with Viales to determine his interest.

After signing the letters to the University of Ghent, I returned to the campus at a little after 2 p.m.

At 3 p.m. I met in my office in Dwinelle Hall with Hugh Bradner to discuss the job of coordinating the EOL Memorial Museum planning. Hugh told me that he has decided against undertaking this job (as Ed McMillan warned me he would last week in Los Angeles). His reason for declining the job is his anxiousness to continue the research work he has been doing. His research group (with Luis Alvarez) is just beginning the first experiments with the big hydrogen bubble chamber and he feels too committed to following through on those experiments to be able to dedicate his full efforts to the Lawrence museum. We discussed a number of people who might be involved in the development of this project, among them, Lionel Viales. Hugh feels that Viales would be a good man for the job, especially if he were "bolstered" later by someone else. One interesting suggestion was that this extra support later might come from Donald Cooksey (who might be available next May when he retires from the Laboratory at the mandatory age of 67). Hugh also passed along an intriguing suggestion from Don Gow (an accelerator physicist at the Rad Lab) that the concept of the museum be enlarged to include a laboratory in which outstanding high school students could learn research techniques. As he pointed out, few high schools have sufficiently sophisticated facilities for more advanced experiments in physics, in particular, and graduate students might teach laboratory sessions. This program strikes me as an excellent idea and one that would have appealed very much to Ernest.

James Coyle came to my office by appointment at 3:30 p.m. He began by showing me his identification card which clearly stated that he is with the Central Intelligence Agency (CIA). He wished to interview me about Bill Stricklin and asked rather general questions about Bill's character, reliability, etc. I answered all of his questions favorably and in response to his request for names of other people with whom he might speak about Stricklin, I suggested Jim Hart, Kitty Malloy, Anna Carol Dudley, Dick King and Mike Hone.

Dan Wilkes and Frank Kidner arrived at 4 p.m. for a meeting with me about how to best implement the recommendations of McCaffrey's committee to give our athletic program more favorable publicity. Dan is a member of the McCaffrey committee and we worked out means of coordinating publicity activities with Cunningham's new Intercollegiate Athletic Advisory Council. I gave Dan a general briefing about the history of our decision to leave the Pacific Coast Conference, issues about athletics, etc.

E. T. Grether (Dean of the School of Business Administration) and I met at a little after 4:30 p.m. to talk about some of the problems with the school. He expressed frustration in their recruiting efforts. He feels that the reason that they have been turned down so much recently by people whom they wished to add to their academic staff is a lack of competitive salaries. He also brought up two recent cases in which their requests for raises were turned down by the Budget Committee, William G. Panschar and Michael Conant, both

Assistant Professors in the School of Business Administration. Grether is afraid that both men may quit if they are not given the requested raises. I asked him to write me a memo giving his arguments why the Budget Committee should change their decisions in these cases.

We also talked about the Social Science Council recommendation that we acquire a 650 computer for their use which would require 1200 square feet plus other laboratory space. Grether says that there is not sufficient space for this in the plans for Barrows Hall. Both the cost of the computer and the need for space to house it are problems. However, he indicated that all the younger faculty are convinced that a computer is a necessity for their work. (Apparently, older faculty are not so sure of the applications.)

Tuesday, December 23, 1958

When I arrived at the Chancellor's Office this morning I took advantage of a moment of quiet to study the memorandum hand-delivered from Harry Wellman's office late yesterday afternoon concerning acceptance of University Extension courses. This is an issue that I will certainly want to discuss in detail with Lincoln Constance during our regular Tuesday meeting later this morning. I view with genuine alarm Constance's threat to resign as Dean of Letters and Science if the original proposal by Kerr were approved and am anxious to get his acceptance of the compromise now offered.

I also looked over the file of responses from other deans to my memo of December 4th, seeking their reaction to the Kerr proposal. It is interesting to note that none of the other deans who responded to my memo (Helen Nahm of Nursing, Henry Vaux of Forestry, Kenneth Stoddard of Optometry, J. Periam Danton of Librarianship, E. T. Grether of Business Administration, and Charles Smith of Public Health) objected to the original proposal. Of course, they represent only about half of the deans on this campus; the others have not yet responded to this office.

Wellman's most recent memo summarizes the results of a discussion of the Academic Council (the Senate body charged with interpreting Academic Senate regulations). It provides, among other things, that Extension courses are no longer to yield grade points and that undergraduate deans must accept appropriately numbered Extension courses for degree credit; however, it does not impair the authority of deans to give (and presumably to withhold) permission for resident students to enroll in Extension courses (under Senate Regulation 1302). I will emphasize that point in my meeting with Constance, as well as drawing his attention to the following two comments by Harry Wellman:

> "#3. The remedy for alleged excessive use of Extension courses lies with the Senate, through legislation. The case might well be presented to the Special Committee on University Extension, which is just now beginning its work... #5. Policing the quality of Extension courses is a responsibility of the departments that approve the courses. A review of courses and instructors might be timely."

As Wellman pointed out in his memo to me, the Academic Council reached its decision based not on the merits of the regulations but simply by interpreting the meaning of them.

Allen Blaisdell, Foreign Student Advisor, wrote me about a new requirement of the Department of Immigration and Naturalization that all students wishing to extend their visas be fingerprinted. (Apparently, in the past fingerprints were part of the application process for a visa, then that requirement was dropped, and now they wish to reinstitute it.) Although it is recognized that the University might provide some convenience to our foreign students by establishing a "fingerprinting station" on the campus, the Committee on Foreign Students expressed the opinion that the University should disassociate itself from any activity which would imply approval of the procedure. As Blaisdell summed it up,

> "... to require finger printing from individuals on whom the requirements were not imposed at the time of receiving their original visas at the American Consulates abroad and without instruction to them that such finger printing would be required for renewal of their visas in the United States... constitutes an unnecessary irritant for those whom we desire to have their experience in the United States thoroughly friendly and constructive."

He promises to report back on the possibility that we will provide facilities to Immigration officials with a clear message to the students that this does not represent any other position than the desire to save them a trip to San Francisco. It seems to me that our interests might be better served by staying clear of the issue altogether.

At 10:30 a.m. Kenneth Norberg came to my office for a meeting about the Committee for New Educational Media. The meetings of the Committee are now scheduled for March 5th- 6th and May 11th- 12th in Washington. He gave me a summary of policy proposed by the Advisory Committee and copies of the instructions for preparation of proposals, press releases and other supplementary materials. Norberg told me that the Committee has decided to strike a balance between nationally coordinated planning and the "market basket" approach, that they will have staff to abstract and pre-evaluate proposals, that money will not be made available to buy equipment for the schools (but the possibility of supporting rental of equipment is under study) and that overhead will probably not be paid.

I began my regular 11 a.m. meeting with Lincoln Constance by showing him the memorandum stemming from the Academic Council discussion of acceptance of Extension courses. Constance observed that there is no specific statement that Extension courses must be accepted for major and College courses, although we agreed that the implication is that they must be. He is going to check this point with Acting President Wellman. He indicated that he feels that this decision is a "serious blow to academic standards" but that he thinks that he can "live with it" so long as the authority of the dean and faculty advisor over resident students is unimpaired.

He also reported that John Kelley (Chairman of the Mathematics Department) has spoken with him about the possibility of using salary savings to bring two professors to the campus from the East for periods of two weeks and four months as consultants, seminar speakers, etc. to be "looked over". I told him that I believe this to be a proper use of salary savings.

Tom Cunningham called to alert me to a possible public relations problem associated with the University's eviction of Mr. Parnay, the Telegraph Avenue

rug merchant whose business and residence properties we bought at a fair price ($185,000) last year for University use. Mr. Parnay has refused to vacate the premises and we have no choice but to evict him so that the construction of the Student Union can go ahead on schedule. Cunningham feels that we may nonetheless receive some bad press for putting him out- and is, therefore, drafting a summary of the facts for my use in case of the need for a press release.

I then called Harry Wellman to discuss his memo on University Extension credits. I asked him to make the point concerning Regulation 1302 (deans' authority over resident students) a part of any presidential directive on this subject; he agreed to do so. I also informed him that we have not yet received reactions to the proposal from many deans and he promised not to issue the directive until after the deadline for their responses, January 1, 1959. He did imply that Extension credit would be acceptable for Letters and Science major and other College requirements.

We briefly talked about the continuing saga of the Stanley (Virus Lab)-Snell (Biochemistry) space battle. Wellman is inclined to throw this mess back in our (Berkeley campus) laps. He will write out his position on this for Ed Strong's information when he returns. (Strong has spent countless hours on this issue; he has tried to resolve the problem many different ways.)

With the one exception of Ed Strong, all members of the Chancellor's Cabinet attended our regular Tuesday noon meeting. In addition to the usual exchange of information (about who is doing what), we talked about plans for my inauguration in March. Most of the meeting was devoted to my report on the meeting of the Council of Chief Campus Officers and the Regents' Full Board and committee meetings last week in Los Angeles. We decided not to meet as usual next Tuesday. I will be in Los Angeles for the Rose Bowl festivities- as will other members of the staff.

At 2 p.m. I interviewed Russell Millar for an administrative opening in the Chancellor's Office. One of the primary responsibilities of the position would be speech-writing. Millar admitted that he does not have much background in science but seemed confident that he could do enough research to be able to handle that aspect of the job. He impressed me quite favorably.

At 2:30 p.m. Norman Mundell (who will be the Berkeley campus Chief Accounting Officer under the new organization plan) came in for a "get acquainted" visit. After the expected courtesies ("delighted to have you", "pleased to be working with you", etc.) we talked about the critical space problems. I told him that he will probably have to figure out how to fit in- because there probably won't be more space made available. Mundell is disappointed because the statewide office in California Hall is going to have new equipment and now it looks as though they (Berkeley campus people) will have to continue to use the old equipment. He hopes for new equipment some time.

Sandy Elberg (Vice Chairman of Buildings and Campus Development Committee) and I conferred briefly at around 3 p.m. about the space problems associated with the decentralization plan. He left a memorandum with me summarizing recommendations for moving various offices around which were arrived at through a meeting between him, Clinton Gilliam and Roy Routsong. It is a regular case of "musical offices" which I hope will eventually be sorted out. The President's Suite in the Statewide Building is not likely to be completed until March 15, 1959; until that time, many Berkeley campus offices will have

to be housed in temporary quarters. It also seems clear to me that the permanent arrangements are likely to be badly over-crowded.

Around 3:30 p.m. Andreas Papandreou and I met to discuss the Economics Department which he currently chairs. He informed me that Aaron Gordon will accept appointment as the new chairman of the department if, and only if, he can have an administrative assistant to support him. Papandreou is convinced that Gordon is the man for this job and I promised to ask Errol Mauchlan to look into ways of providing an opening for an administrative assistant for Gordon.

We also discussed the problem of low salaries in the Economics Department. He will document his assertion that we are now seriously lagging behind both first and second rank schools in our professional salaries in the field. I told him confidentially about the 10% raise. We talked about the proposal for a computer center for social sciences; he mentioned to me that they would also require the services of a computer programmer and that this would probably increase the cost of funding the proposal by about $7500.

I hurriedly dictated a response to Samuel Schaaf of Mechanical Engineering, who had written me to express interest in participating in the planning of the Space Sciences Laboratory. (He and two others in the Aeronautical Sciences Division have been working lately on an artificial satellite program and he feels that they would be "in an unusually good position to help with the development of an astronomical observation satellite along the lines Dr. Struve is considering.") I thanked him for his interest, informed him of the appointment of a committee to advise me on a space sciences program for the Berkeley campus, and told him that I would suggest that he be invited to a meeting of that committee and that he be kept informed of their activities.

I then dashed off home. Helen and I have invited the staff from the Chancellor's Office to our home in Lafayette for a Christmas party tonight.

After a turkey buffet dinner, Milt Chernin played the role of Santa Claus and distributed joke gifts to everyone, including the Seaborg kids. Later Anna Carol, an accomplished vocalist, led us in some singing, including a touching rendition of "Sentimental Journey".

Note: Patent No. 2,865,703, Process of Purifying Uranium (G. T. Seaborg, E. F. Orlemann, L. H. Jensen) and Patent No. 2,865,704, Method of Separating Uranium, Plutonium and Fission Products by Bromination and Distillation (G. T. Seaborg, A. H. Jaffey) were issued this date.

Wednesday, December 24, 1958

Today was an extremely quiet day in the Chancellor's Office; very little work gets done the day before Christmas. I did dictate a couple of short notes: to Frederick C. Leonard at the UCLA Department of Astronomy (accepting an invitation to speak at their Sigma Xi chapter on "Recent Research on the Transuranium Elements" on April 16th) and to John P. Howe of Atomics International (terminating my consultantship with them due to the press of other commitments).

At about 12:15 p.m. Herb York phoned me from Washington to inform me that he has accepted an appointment as Director of Defense Research and Engineering

and has promised to stay in that position until the end of the present administration (1960). York (who is a Democrat, by the way) is now ranked third in the Department of Defense (along with the Secretary of the Army, the Secretary of the Navy and the Secretary of the Air Force). Their two superiors are Secretary of Defense Neil Holser McElroy and Deputy Secretary of Defense Donald Quarles. President Eisenhower told Herb that he was recommended by McElroy, Quarles and Scientific Advisor to the President Jim Killian. I naturally congratulated Herb enthusiastically despite my own selfish disappointment that he will not now be available for our consideration as Dean of the School of Engineering. (He will write formally to request that we keep his leave of absence from the University open.)

I left the Chancellor's Office early, anxious to get home and share in the family's Christmas excitement. Tonight we had our traditional Christmas Eve dinner, featuring potato sausage and rice pudding. After dinner we exchanged Christmas gifts, which have been piled under the Christmas tree in the living room, tantalizing the children.

Thursday, December 25, 1958- Christmas Day

As usual, Santa Claus paid our house a visit in the dark of the night. Helen and I enjoyed watching Pete, Lynne, Dave, Steve and Eric open their stockings and the presents which had magically appeared under the tree during the night.

Since we are leaving for Los Angeles tomorrow, I decided to buckle down to some Chancellor's Office work in the hope that I will not have to carry a lot of papers with me on our vacation.

Among the papers I carried home with me to study over the holiday were a memo from Bill Wurster (expressing delight about the separation of Berkeley campus and statewide Architects and Engineers offices and making suggestions for the allocation of space to the Berkeley campus people) and one from Bob Kerley (outlining a new parking program for the occupants of the new Statewide Building).

There were also two memos from Milt Chernin. Milt recommends that I send a message to all deans and departmental chairmen, asking them to cooperate in making the week before final examinations a true "dead week". In the past many faculty members have been guilty of giving too many examinations in the final week of instruction and Chernin argues that students need to dedicate that last week to preparing for finals. I will certainly send such a message.

I also read Milt's interesting summary of Charles Tobias' report to the World University Service on the status of students at the University through the Hungarian Refugee Student Program (which Tobias coordinates). Of the 49 students in the program, 13 have left (for various reasons- some for scholarship deficiencies, others for personal reasons like marriage, one was arrested in Los Angeles, accused of terrorist activities). Two of the Hungarian students have successfully completed their degrees (Adam Sebestyen, M.A. and Barnabas Kerekes, B.S.). Three undergraduates (Janos Kirz, Istvan Gorog, and Miklos Nagy) and five graduate students (Lajos Bigler, Ivan Haller, Balazs Roznyai, Ferenc Rostztoczy and Gabor Somorjai) are identified as having distinguished themselves by their academic performance here. Considering the language difficulties and the cultural adjustments necessary as refugees, this is a very impressive performance, indeed.

Late in the afternoon we had our traditional family Christmas dinner.

Friday, December 26, 1958

I helped Helen pack our bags, then a University car with a driver came by at about 11 a.m. and picked up our family (Helen, Pete, Lynne, Dave, Steve, Eric and me) and drove us to the San Francisco Airport. Here we boarded United Airlines Flight #564, which left shortly after 1 p.m. and arrived at the Los Angeles Airport at about 2:40 p.m.

We were met by my sister Jeanette, who drove us to her and Ray's home (9229 San Antonio Avenue). My mother has a severe cold, which we are fearful the kids might catch. Therefore, we greeted her over the fence and decided to squeeze our family into Jeanette and Ray's place for the duration of our visit, while Jeanette and Ray moved in with our mother.

We have been joined by Estelle Brown, who has been serving our family as a domestic helper and who will also squeeze in with us at 9229 San Antonio during our stay in South Gate. Estelle drove our 1952 Plymouth down here a couple of days ago. This makes the car available to Helen and me while we are here. Upon our departure, we will turn the Plymouth over to Jeanette and Ray, as a gift, for their use. With our 1955 Oldsmobile and the recently acquired Lincoln (on assignment as the Chancellor's car) we are well-accommodated without the Plymouth.

Helen, using the stock of food purchased with the help of Jeanette, prepared dinner for our tribe. We managed, with some difficulty, to finally get the kids to bed in our new quarters.

Saturday, December 27, 1958- Los Angeles

I spent a lazy day with the family and visiting with my mother and Jeanette and Ray, punctuated by nine holes of golf at the Hacienda Golf Club, La Habra Heights (near Whittier), with my boyhood friend, Clayton Sheldon and Clayton's friends, Bob Ardery (owner of Ardco Flame Cutting) and Bill De Ranek (of Filter Supply Co.). Clayton and I played a match for total points against Bob and Bill. Clayton and Bob each shot a 48, while Bill shot a 55 and I managed only a 54, perhaps indicative of my lack of recent practice and fatigue. I'm not getting the best kind of sleep in our crowded quarters. Nonetheless, Clayton and I were up by one point at the end of the nine holes and won the match.

In the evening I drove to Pasadena to attend at the historic Huntington Hotel the traditional stag dinner given by the Directors of the Tournament of the Roses Association for the presidents, faculty athletic representatives, football coaches and athletic directors of the Pacific Coast Conference. Helen decided not to attend a parallel dinner for the wives at the Huntington Hotel because she felt that our children needed her attention.

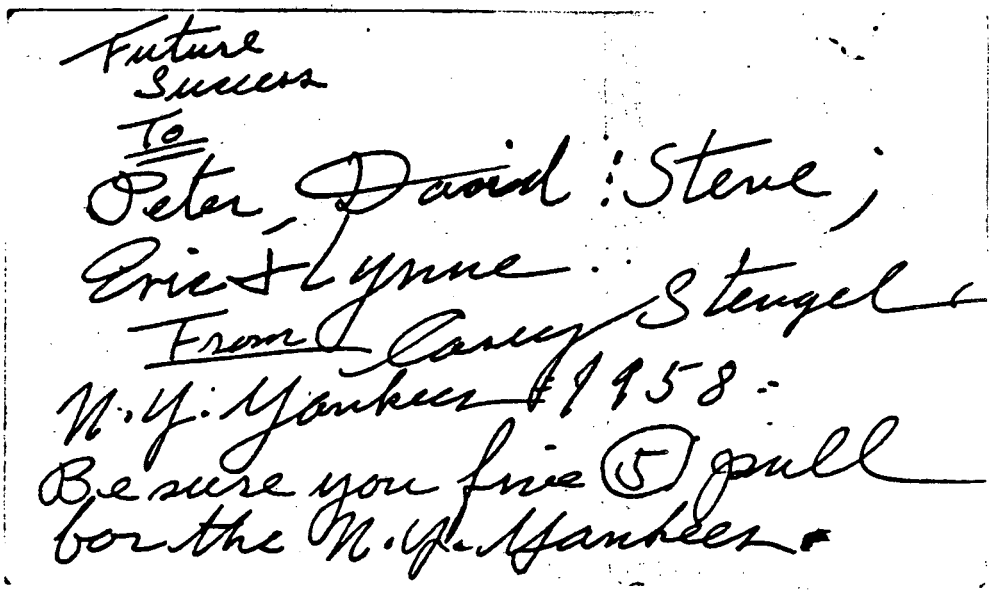
Sunday, December 28, 1958- Los Angeles

Our family spent the day "at home" at 9229 San Antonio Avenue, enlivened by visits from a number of our friends and relatives, but marred by an affliction of diarrhea that has struck our kids.

Monday, December 29, 1958- Los Angeles

I played nine holes of golf with Clayton Sheldon at the Rio Hondo Country Club in Downey, where I have played during practically all of my visits to South Gate since World War II. I did somewhat better, shooting a 49, but Clayton beat me with his 43.

In the late afternoon Helen and I drove to the Ambassador Hotel to attend the Los Angeles Times' 16th annual Sports Awards Dinner in Cocoanut Grove. Estelle took charge of our kids for the evening. We attended a reception in Suite 584, which started at 5:30 p.m. and then went on to the dinner, starting at 7 p.m. The Times awarded prizes in each of 18 sports and various other categories. Pete Elliott was honored as the "Comeback Coach of the Year" and a lot of attention was paid to both Cal and Iowa football players and athletic staff as part of the pre-Rose Bowl buildup. There were about 1,000 people at the event and many famous sports celebrities. Entertainment was provided by singers Connie Haines and Tennessee Ernie Ford. It was quite a glamourous evening and a chance to see many of my sports heroes close-up. The kids will be thrilled with the autograph Casey Stengel wrote for them, at my request:


Future
Success
To
Peter, David & Steve;
Eric & Lynne.
From Casey Stengel
N.Y. Yankees #1958.
Be sure you give (5) pull
for the N.Y. Yankees.

Casey Stengel's Message to the Seaborg Kids

Tuesday, December 30, 1958- Los Angeles

I drove to UCLA this morning to attend part of the meeting of the American Physical Society being held there in the Chemistry Building.

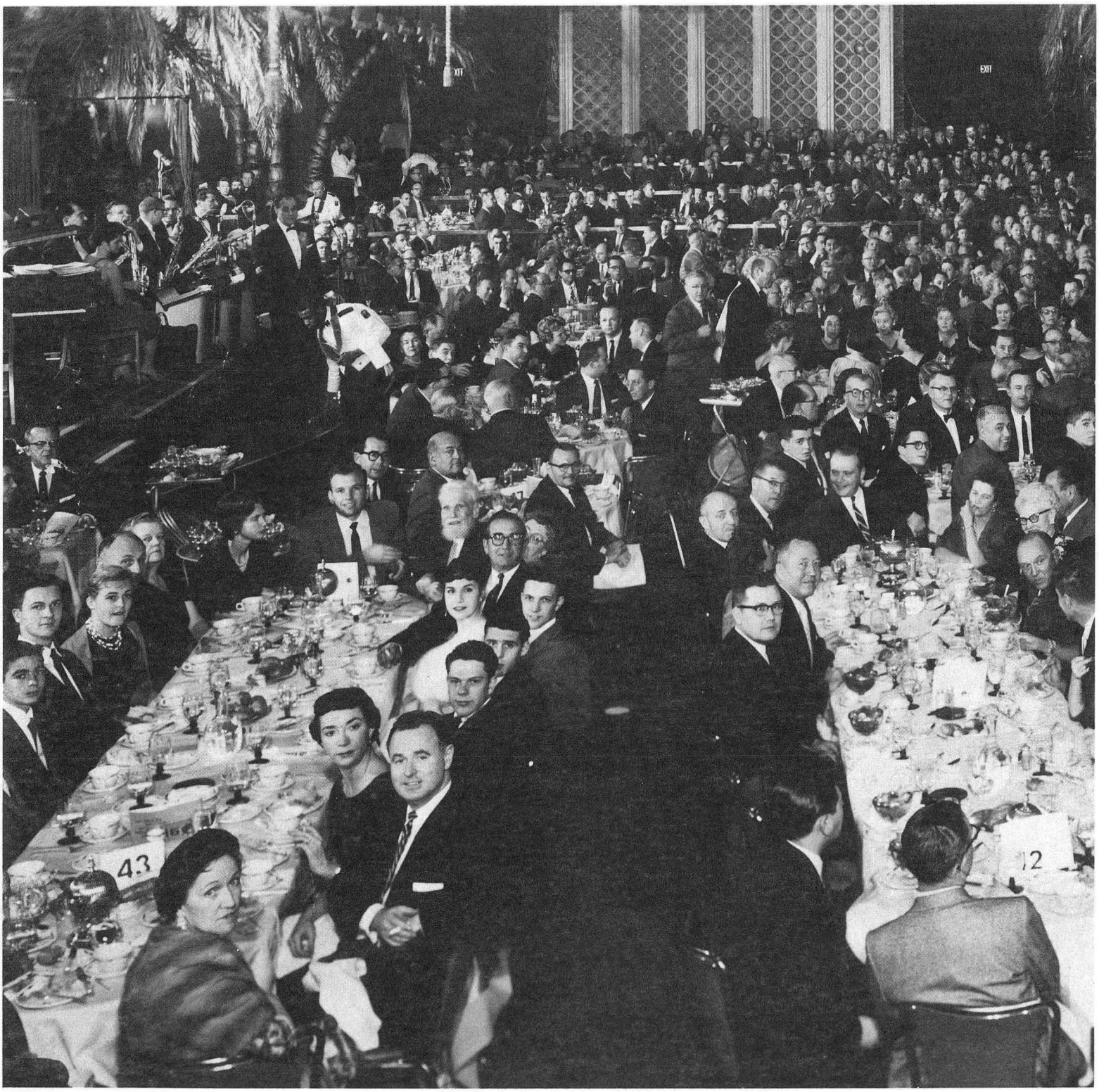
After dinner "at home", Helen and I drove to Pasadena (leaving Estelle in charge of our kids) to the Civic Auditorium (300 Green Street, E.) to attend a U.C. Berkeley Alumni Rally and Dance. Dick Erickson (Executive Manager of the Alumni Association) was there to direct activities which included a program,

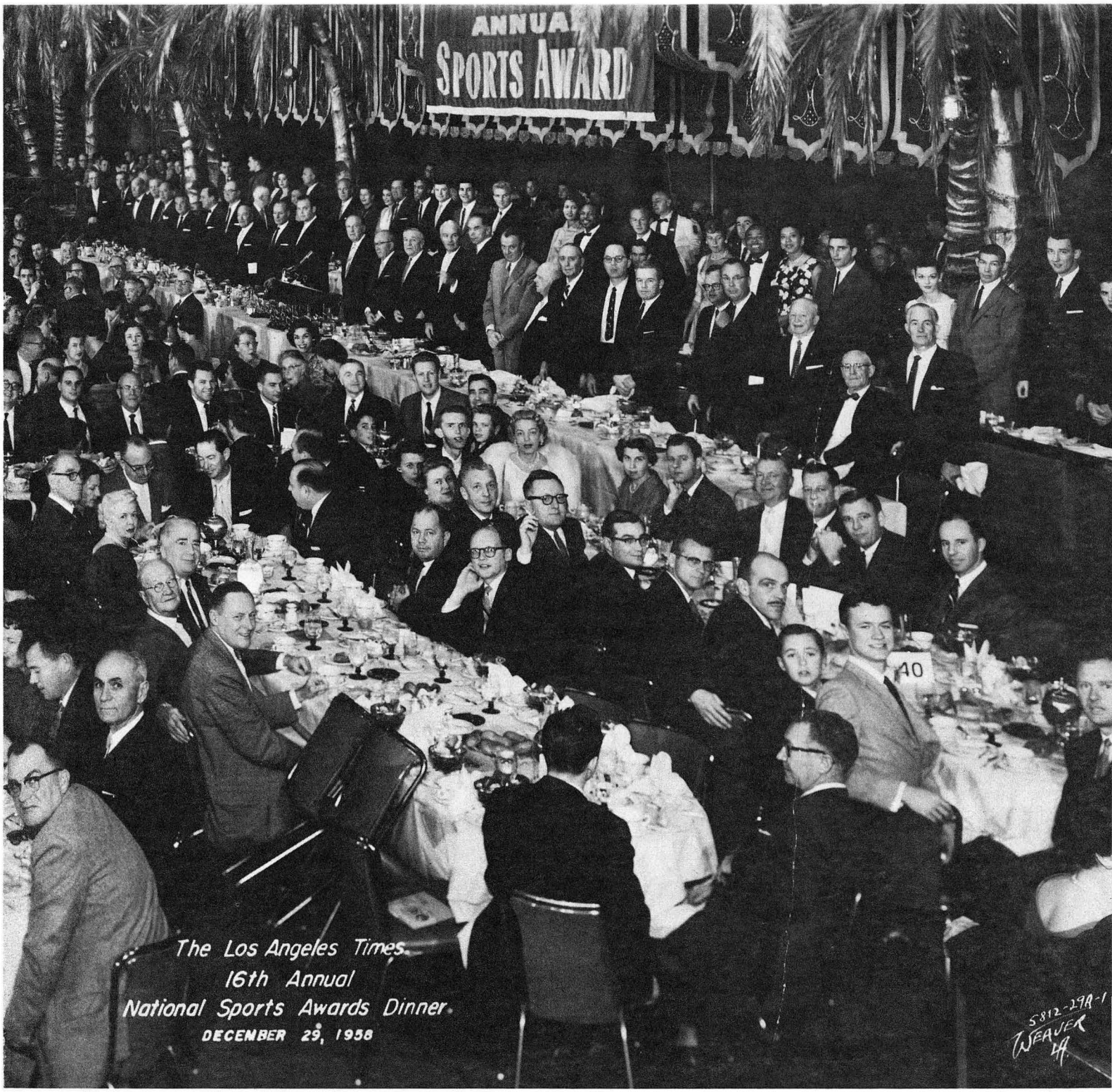
emceed by Ralph Edwards (an alumnus of "This is Your Life" fame) and featuring Jack Bailey (famous for "Queen for the Day), the Cal Band and Glee Club, and singers Connie Haines and Frankie Laine. Both Pete Elliott and Forest Evashevski were in the spotlight and there were a number of former Cal football players from past Rose Bowl games present.

Wednesday, December 31, 1958- Los Angeles

Pete and I, joined by our friend Tom, played nine holes of golf on the South Gate Municipal Pitch and Putt course in South Gate Park (located between Southern Avenue and Tweedy Boulevard near Atlantic Avenue). Pete shot a 54, reflecting his inexperience at golf (this being one of his first times playing), Tom a 34 and I, a 33.

I drove to Pasadena to attend the stag "Kickoff Luncheon" in the Civic Auditorium. In my role as Berkeley Chancellor, in recognition of my football team's participation in the Rose Bowl game tomorrow, I was asked to make a few remarks, part of which were televised. When I returned home with the hope of receiving plaudits from my kids, who had watched the television broadcast, I was disappointed by Steve's remark, "Dad, your tie was crooked."


EXIT
EXIT
43
12



The Los Angeles Times
16th Annual
National Sports Awards Dinner
DECEMBER 29, 1958

Thursday, January 1, 1959- Los Angeles

Helen and I drove to Pasadena, accompanied by Pete, Lynne, Dave and Steve. (Eric remained home under the supervision of Estelle Brown.) We viewed the Rose Parade and after this, I managed to field a couple of phone calls.

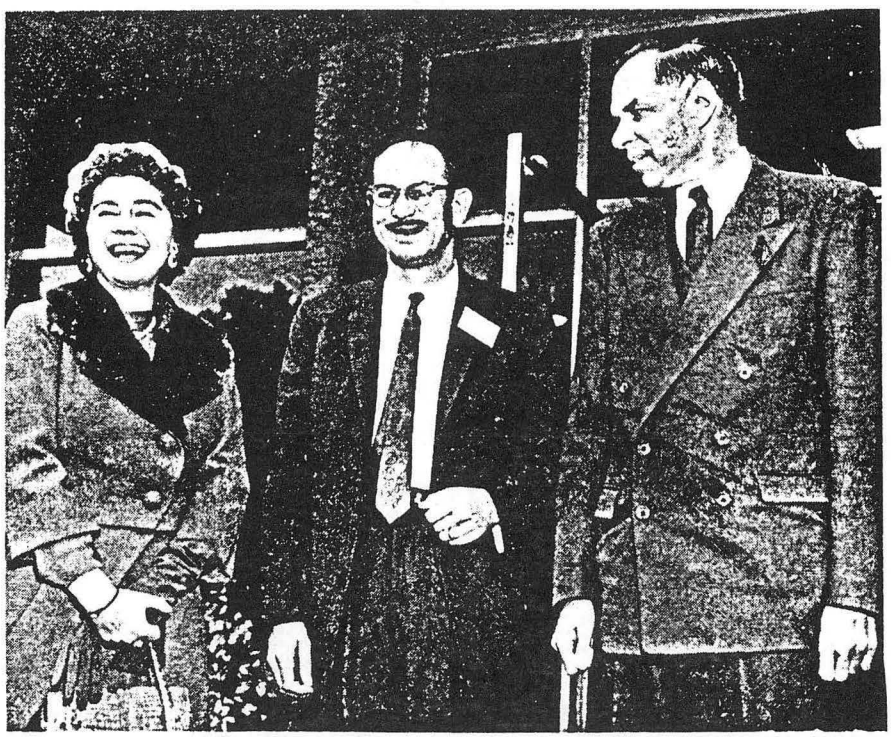
I returned a call from Harvey White and told him that plans to film a "Continental Classroom" program on January 26th in New York look good. I promised to let him know as soon as possible if anything comes up which might interfere with these plans. I also returned a call from General Counsel Tom Cunningham, who had called to let me know that he will not be going to Cincinnati for the NCAA meeting.

GTS at the Rose Bowl, Jim Cobble, lower right, January 1, 1959

Our California Bears played well but were outmanned by the talent-ridden University of Iowa Hawkeyes. Their 298-pound lineman, Mac Lewis, was too much for our smaller linemen. The Hawkeyes had a 20-0 lead by half time. In the second half, their fleet halfback, Bob Jeter, made an 81-yard run to a touchdown and he had a total of 194 yards for the day. Their other fast runner, Willie Fleming, made touchdown runs of 37 and 7 yards in the second half. They missed all three conversions, giving them a total of 38 points. The Bears managed to score twice, on a one-yard touchdown run by Jack Hart and a 17-yard pass from Joe Kapp to Hart. With missed conversions, this gave the Bears a total of 12 points. The result was a 38-12 loss for the Bears, who, nevertheless, acquitted themselves well against a team with vastly superior talent.

CALIFORNIA MONTHLY

January 1959



Betty Jane Nevis

QUEEN FREDERIKA, of Greece, happily greets Chancellor Glenn T. Seaborg, right, and Edwin McMillan, director of Lawrence Radiation Laboratory during two-day tour of facilities.

Her Majesty and the Atom: The University of California's nuclear research facilities at Berkeley and Livermore have had many distinguished visitors. Few, however, have proved so charming, so interested and so informed as Queen Frederika of Greece.

Under the personal guidance of the most brilliant stars in the University's galaxy of atomic scientists, the Queen spent a day visiting the cyclotron, bevatron and bubble chambers at the Lawrence Laboratory at Berkeley. The next day, under the guidance of Edward Teller, "father of the H-bomb," she toured the University's Radiation Laboratory at Livermore.

Her majesty has been studying physics for several years under the tutelage of a professor at the University of Athens. As a result, Edwin McMillan, Nobel Laureate and director of the Ernest O. Lawrence Laboratory found her a stimulating guest. "She saw more detail in the Bevatron than most experts see," he said. He admitted she asked questions the scientists couldn't answer. "I told her I'd be happy to have her as a graduate student."

Helen Seaborg, Frances and Clarence Heppe

Friday, January 2, 1959- Los Angeles

I am still suffering from the extreme disappointment of our defeat by Iowa at the Rose Bowl yesterday. Even though I knew that no one gave us much of a chance of a victory over the Big Ten Conference team, I had hoped against hope that we would beat the odds and surprise everybody. However, I enjoyed playing golf with Norm Topping (USC President), Earl Bolton (USC Vice President) and Asa Call (Chairman of the USC Board of Trustees) at the Los Angeles Country Club South Course today. Asa and I played a match for a low total against Norm and Earl. Topping had the best score, 51, at the end of the 11 holes and Bolton scored 57. Asa and I both shot 56 and lost the match by three points.

During the course of our golf game we had an opportunity to talk a bit about the rules of the AAWU. Topping is concerned about the need factor. I told him that I feel that working 250 hours per year is probably sufficient evidence of need. He also feels worried about the lack of eligibility rules in the new AAWU; I agreed that such rules will have to be worked out and observed that it is UCLA that dislikes the idea of new rules. We agreed that it should be up to Stanford to take the initiative to join us in the AAWU now and also that we should invite the Air Force to join. Topping still wants a meeting of all the AAWU presidents. I told him about the plans for my inauguration March 20th and asked him if he would be willing to be a speaker on that occasion; he agreed to do so.

Saturday, January 3, 1959- Los Angeles/ Lafayette

Jeanette drove us to the Los Angeles Airport where Helen, all of our children and I boarded United Airlines Flight #565, which left L.A. at about 8 a.m. and arrived at the San Francisco Airport at about 9:40 a.m. A University car and driver met us at the airport and drove us to Lafayette.

The driver gave me a pile of papers from the Chancellor's Office which I started reading soon after we settled back in at home. A letter from Helen M. Worden (Chairman of the Committee on Living Accommodations) reported that at the request of the Committee on Discrimination, her committee has investigated the charges made in the Cal Reporter (the SLATE newspaper) that Hanson House, a University-approved boarding house for female students, practices discrimination against non-whites. The committee found that there is some foundation for these charges and recommends that Hanson House be removed from the University list of approved housing because the operators do not abide by the University policy which prohibits discrimination on the basis of race, color or creed. I approved their recommendation and asked them to proceed to notify the operators and residents that Hanson House will be removed from the Housing Office list immediately. Since this is the first time that any approved housing has been penalized for discriminatory practices and, given student interest in the issue of racial discrimination, I expect that we may get quite a bit of publicity as a result of this action. I hope that it will serve as a warning to other living groups that the University is quite serious about enforcing the policy against racial discrimination.

I also read about the decision which Edmund G. "Pat" Brown issued yesterday regarding the University's relationships with fraternities. Brown, in his last official act as Attorney General before taking office as the next Governor of California, stated,

> "It is common knowledge that for many years many if not most fraternities restricted membership in some manner on the basis of race, color, religion or national origin."

and concluded that in such cases,

> "the United States Supreme Court would hold close relationships between state schools and fraternities, where fraternities obtained substantial benefits from the state... unconstitutional."

Nine state legislators requested the opinion, reflecting public interest in the briefs filed by minority rights organizations which charged that University recognition of fraternities practicing discrimination is unconstitutional. Brown makes a clear distinction between recognition and actual aid. He stated,

> "if a University supplies and... maintains strict control and regulation over fraternities, supplies advisers and... other administrative assistance, there is little doubt that such a relationship... would be invalid against public policy... under the Fourteenth Amendment."

It is not entirely clear to me exactly what the implications of this decision are for the University. However, it is clear that we will have to consider very seriously any aid to fraternities and understand precisely what their policies on discrimination are. A memorandum from Adrian Kragen (Chairman of the Special Fraternity Problems Committee), dated December 23, 1958, sets forth recommendations which are a perfect example of the sorts of cases in which we will have to exercise great care. Kragen's committee met with representatives from Phi Kappa Psi, Beta Theta Pi and Chi Pi to consider a plan for relocating those three fraternities (whose houses are part of the University's land acquisition plan.) They recommend that the University lease

land southeast of Bowles Hall for the development of a fraternity area and, further, that the University either directly loan or act as an intermediary in securing a loan from federal agencies to fund the construction of new fraternity housing units. A design of shared dining facilities (much like those in the soon-to-be-completed residence halls) had been proposed- despite objections from some of the fraternities to the idea of sharing physical facilities. Kragen believes that such an arrangement "is the only one under the present economy which will allow these fraternities to relocate adequately." Kragen believes that there would be advantage to the University because "The University would, of course, have the right to control the fraternities in the normal manner and in addition the rights of the landlord." I will definitely want to consult with General Counsel Tom Cunningham as well as investigate whether or not these three fraternities have racial discrimination clauses in their constitutions before acting on this.

A memo from Clyne Garland (Acting Dean of the School of Engineering) responded to the request for feedback on the proposed credit for University Extension courses and the elimination of grade points through Extension. Garland objects to the elimination of grade points, arguing that he would expect a deterioration of student performance and relaxation of requirements for accreditation by departments to result. He also explained how much the School of Engineering has depended on grade points earned through Extension to qualify students for readmission. It is interesting to note how much difference of opinion there is among deans about this proposal. I expect responses from deans to continue to come in next week and hope to have everyone's opinion before Harry Wellman issues a policy directive.

Errol Mauchlan sent me a number of memoranda and copies of correspondence written on my behalf during my absence from the campus. In response to the notice from Ernie Engelbert that University Extension is cutting back the administrative budget of the Committee on Drama, Lectures and Music, effective January 1, 1959, Errol wrote on my behalf asking Engelbert to defer the effective date and to provide me with more information. He noted that the $5,000 reduction would represent 27% of the total DLM budget for the next six months and that program commitments have already been made. As Errol stated it,

> "The Chancellor will be glad to be assured that this is not more onerous than is proposed in regard to other departments for which Extension is responsible."

Errol also wrote a memo seeking my guidance on establishing our needs for University funds to complement NDEA proposals. In regard to Title VI (Foreign Languages), we must decide how many languages to include in the proposal. Presently under consideration are two proposals; one would cost approximately $500,000 for four years and the other about $250,000 for the same period. I made a note to Errol to go after the less expensive proposal and to let Wellman know that doing so is a reflection of our desire to be "realistic". I confirmed (also by margin notes) that the Language Laboratory will probably have to go through normal capital investment channels and asked him to consult with Ted Sherburne about the support of equipment requests for the School of Education's television project under Title VII, as well as to investigate the possibility of renting (rather than buying) equipment.

I am interested to note that Harry Wellman has suggested that funds previously budgeted for an astronomy instrument unit in Campbell Hall be reallocated to

the Computer Center. The provision of this $74,000 will aid greatly in providing necessary support for the Computer Center, which no doubt will be augmented by Regents' funds. What a pity we did not know that this was a possibility before we went to the National Science Foundation for this money! Needless to say, I approved Errol's draft to Wellman, welcoming his proposal.

Alex Sherriffs wrote me a note summarizing his meeting with Henry Bruyn, the new Director of the Student Health Service, last week. Bruyn is planning to visit with various staff members at Cowell Hospital next week and is considering making some significant changes in appointments. According to Bruyn, the X-ray Department at Cowell is "the worst in the state" and he is concerned about reports that the chief of the department has referred patients to his private practice in a questionable fashion. He is also hoping to change the current arrangement with Alta Bates Hospital, which does all of Cowell's laboratory work. Bruyn would like to establish a self-contained laboratory (which would certainly be necessary if his dream of research work at Cowell is to be realized) and wants to oversee the lab work himself. He is planning to visit several students health services at universities in the east and hopes that he will find support by practices elsewhere for his arguments against traditionalism at Cowell. Errol has promised to look into the possibility of some financial support for this travel; it's a little tricky because Bruyn will not assume his duties at Cowell until July 1, 1959.

Wally Reynolds also sent me a copy of Ed McMillan's response to Alfred Starbird's (AEC) request for an opinion about the optimum size of the Radiation Laboratory. On the whole, Ed's projections for the growth of the Lab do not differ from what has already been formalized in the November 1957 "Long Range Development Plan"; he anticipates adding about 400 employees to the payroll by the end of fiscal year 1962, with an ultimate upper limit of about 3,000. McMillan notes that the expansion of work in high energy physics will doubtless contribute to the Lab's growth in the next few years since current experiments require more man hours of effort per Bevatron operating hour than in the past. He also anticipates that the 72-inch hydrogen bubble chamber and the 88-Inch Cyclotron will generate new experimental programs. However, Ed sensibly comments that the Rad Lab site will not accommodate much more growth and that he does not believe that a research facility like UCRL (as opposed to the more development-oriented Livermore Lab) should be allowed to become over-large, because of associated administrative problems. He wrote,

> "It becomes difficult for the Director and his staff... to judge the value of various scientific programs. This can be solved to a great extent by having competent division heads and allowing them considerable autonomy in the direction of their own programs, but if the autonomy is too great, one can ask: Why not let them split off and start a new laboratory?"

Neatly put, I think. However, I doubt that any divisions will ever actually split off from the Radiation Laboratory.

Sunday, January 4, 1959

We spent the day recovering from our trip to Los Angeles. Helen helped the kids get ready to go back to school tomorrow. Pete is in the seventh grade at Stanley School (intermediate school: seventh and eighth grades), Lynne in sixth grade, Dave in fourth grade, and Steve in second grade at Happy Valley School (elementary school: kindergarten through sixth). I finished reading my accumulated papers, journals, etc.

Monday, January 5, 1959

The weather is miserable today. After all the nice weather recently, we are being pounded with very heavy rains and buffeted by strong winds. Instruction resumes today after the Christmas break. In just three weeks my first semester as Chancellor will come to an end. It certainly went by quickly. Since I expect today to be very busy with appointments and meetings, immediately upon my arrival at the Chancellor's Office, I buckled down to getting some correspondence out of the way. I signed a memorandum to all deans and department chairmen asking for their cooperation in making the week before final examinations a real "dead week" by avoiding scheduling any special activities or assignments.

I also wrote to President Kerr expressing my satisfaction with the proposed revision of nonacademic personnel grievance procedures and remarking that I sought the advice of both Lewis Perry (Personnel Manager) and Forrest Tregea (Acting Assistant Business Manager) and found that they also support these changes.

Under separate cover, I forwarded the recommendation of the Chancellor's Advisory Administrative Council that Section B-8 of University Regulation 17 (which prohibits candidates for state office who would, upon election, review the University budget, from speaking on campus) be permanently eliminated. The temporary suspension of that rule during the last election seemed to work well; both students and faculty have commented very favorably on the dialogue which resulted from allowing candidates to speak on campus.

I also signed a number of letters regretting speaking engagements, approving faculty loans, etc. I wrote a letter to Beloit College recommending William Rice for a position as architectural consultant in their Physics Building project, mentioning both his experience at the Radiation Laboratory and, as further evidence of my confidence in his work, the fact that he designed our home in Lafayette.

At about 11 a.m. Saul Winstein called to ask me if I plan to attend the Mendeleev Conference in Moscow March 16th- 28th. I explained that the direct conflict with my inauguration as Chancellor makes this impossible and that Al Ghiorso and possibly Stan Thompson will be representing us.

Prominent Berkeley alumnus Maynard Toll, Senior, and his son, Maynard Toll, Junior, made a courtesy visit with me at a little after 11 a.m.

I then went up on the Hill to attend the regular Monday noon brown bag lunch meeting of the UCRL Chemistry staff. Before the meeting began, I put in a call to Ed McMillan to check with him about the progress of finding someone to coordinate the Lawrence Memorial project. He told me that Lionel Viales will take on this assignment and will be free to devote as much time as is needed for the project.

After the lunch meeting I borrowed Iz Perlman's office for a brief meeting with Red Valens. We congratulated each other on the success of our book, Elements of the Universe, which has received uniformly positive reviews and many fine compliments from young readers and parents. I promised to distribute gift copies of the book to a number of people whom we had overlooked in our first distribution effort.

Returning to the campus at about 1:30 p.m., I once again tackled the pile of correspondence on my desk. A memo from Douglas Chrétien reported on activities regarding NDEA proposals. Chrétien has obviously been very busy in his role as coordinator for the Berkeley campus. He reports several meetings with people from the State Department of Education and the U.S. Office of Education which provided a lot of details about the proposal procedures, etc.--but very little news. At the present time, policies appear to be fairly fluid and Chrétien is working his way through the bureaucratic maze.

Donald Coney (writing as Chairman of the Committee on Drama, Lectures and Music) wrote at the request of Clark Kerr to express his opinion that the present Art Gallery (the old power plant designed by John Galen Howard) should be retained when the new Social Science Building (Barrows Hall) is built. Coney believes that the Art Gallery will not overcrowd the Barrows Hall site and that it should be retained both for aesthetic reasons and to continue in its function as an art gallery until such time as the Art Cultural Center is built south of Bancroft Way and west of College Avenue. However, he also reminded me of Walter Horn's suggestion of and the Building and Campus Development Committee's commitment to creating a "green belt" along Strawberry Canyon from the Great Eucalyptus Grove to Strawberry Canyon; this would require that both the Art Gallery and the Grounds and Building structure be demolished at some time in the future to allow this "green belt" to run uninterrupted.

Ed Pauley forwarded a copy of a letter from Reese Taylor (Chairman of the Board of Union Oil Company of California) advocating the establishment of a program of intercollegiate tennis matches for girls,

> "After all, girls' basketball teams and girls' track teams are fine, but it seems to me that after they have finished college and are young ladies, they would get more enjoyment out of being able to play good tennis."

I agree that the idea of intercollegiate tennis for our female students is a good one; however, I think the appellation "young ladies" may be a little old fashioned.

Tuesday, January 6, 1959

The newspapers this morning said that winds in the Bay Area yesterday reached 100 miles per hour!

I began my day in my Chancellor's Office by continuing to read through the correspondence accumulated during the Christmas break and my absence in Los Angeles. Knowles Ryerson (Dean of the College of Agriculture) wrote to say that "department chairmen and advisers... are willing to go along with" the proposed granting of credit but not grade points to University Extension courses.

Personnel Manager Lewis Perry sent me a very lengthy memorandum with many enclosures in support of his recommendation of a 5% increase in wage rates at hire for 20 nonacademic job classifications. Perry asserts that we have lost valuable personnel (who left for higher wages elsewhere), experienced difficult recruiting problems, and been forced to hire people with lesser qualifications than those who left because the wages the Berkeley campus offers are not competitive with private industry in these classifications. He points out that a journeyman machinist (according to the CMTA-IAM contract)

earns $2.88 per hour and our comparable class of Laboratory Mechanician starts at only $2.39 per hour. Thus, even the 5% interim adjustment in hiring rates will not be sufficient to make our wages competitive, but Perry feels that such an adjustment, combined with the promise of the regular July 1st increase, will greatly improve our recruiting chances. He observes,

> "It is important to note that 70% of the cost of this adjustment will be born by the research activities most vitally affected by the current recruiting situation. They are willing to finance their share, and in fact in some cases would be willing to pay even more, to attract and retain the caliber of employees desired. However I am strongly resolved to maintain campus-wide parity in hiring rates. The research activities will have to accept this 5% adjustment as the best we can do at this time, but we must bring along the remaining 30%, on University accounts, to maintain campus-wide parity."

The question of funds to support that 30% on University accounts remains to be settled before I will add my endorsement to Perry's proposal before forwarding it to Vice President Wellman's office for approval at the statewide level. I also want to investigate the possible effect of raising hiring rates on parity with employees already working in those classifications.

Jim Hart left me a memo making suggestions for people to be awarded honorary degrees at my inauguration in March. He suggests Glenn Dumke of San Francisco State and Easton Rothwell, who is leaving Stanford soon to take on the presidency of Mills College. As Jim points out, the selection of these two men would accomplish the purpose of honoring three of our major sister institutions in the Bay Area. He also suggests honoring Joel Hildebrand on this occasion and remarks that since he does not have any ideas of people from either the University of San Francisco or St. Mary's College (the two other major neighboring institutions), we might wish to ask a Catholic priest to act as the officiating clergyman at the inauguration. All of these strike me as good ideas; however, I would like to see if other members of the Chancellor's Cabinet also have suggestions.

A note from Bill Fretter reported on his visit to the Los Angeles State Museum of Science and Industry last week. Bill was guided on a tour of the L.A. science museum by its Director, Don Mutchmore, and was very favorably impressed by it. He mentioned that the subject matter of the L.A. museum (emphasizing industrial problems, transportation problems and technology) is not what we have discussed doing at the Lawrence museum. Nonetheless, Bill feels that we could learn a great deal from them. He is enthusiastic about the quality of the displays and the presentations designed for various age levels. He also confirmed that Mutchmore is very willing to be of assistance to us in any way that he can and I am sure that we will call on his experience.

Classes were suspended this morning from 11 a.m. until noon for the University Meeting honoring our Rose Bowl team. I acted as Master of Ceremonies for the meeting, opening with some remarks on our fine Berkeley athletic tradition and emphasizing the need for balance between athletics and academics. I quoted Sproul's remark that we want to have students engaging in athletics, not athletes playing at being students and expressed hope that we have taken a big step in this direction by forming the new Athletic Association of Western Universities with schools that share our standards, programs and interests. I declared my particular admiration for the work of our head football coach, Pete Elliott, and then introduced O. Cort Majors.

Majors, currently a member of the Chancellor's Intercollegiate Athletic Advisory Board and formerly President of the California Alumni Association, Regent of the University and member of the famous California "Wonder Teams" of the 1920's, spoke about athletic ideals of the University.

I then introduced Jack Hart, Co-Captain of the football team and voted "Most Courageous Player of the Year" by the team. Joe Kapp, the other Co-Captain, was not able to be present at today's meeting since he is still in Hawaii for the Hula Bowl game. I regretted his absence and briefly mentioned the many awards he has earned this year as quarterback of our team--namely, the "Most Valuable Player" trophy, the "Pop Warner" trophy (for most outstanding football player on the West Coast) and membership on the Look Magazine, Time Magazine and NBC All-American teams.

After thanking the California Marching Band for their fine support of the team and consistently enjoyable performances, I introduced the senior manager, Hugh Barnett, who made a few remarks before the band played for us.

The program continued with the formal presentation of the U.S. Civil Service Commission's Diamond Anniversary Award to the University in recognition of University Extension's program in public administration. Ernie Engelbert (Associate Director of University Extension) accepted the award from Paul L. Engbretson (Deputy Director of the Twelfth United States Civil Service Region) on behalf of Dean of University Extension Paul Sheats and the University.

I then introduced Dee Andros (line coach of the Bears) and Pete Elliott (head coach), who introduced each player on the football team.

The last item on the program was the announcement that the Amateur Athletic Union has selected the members of our track relay team (Don Bowden, Maynard Orme, Jerry Siebert and Jack Yerman) for the Outstanding Performance of 1958 Award in recognition of their achievement in breaking the world record for the two-mile relay at the Coliseum relays in Los Angeles last spring. Their amazing time was 7:20.9. The meeting ended with a rousing chorus of "Hail California".

I then hosted a stag luncheon at International House for about 90 people, which included the entire football team, coaches, trainers, equipment managers and physicians, as well as ASUC and band representatives and several faculty members.

At the luncheon I chatted briefly with Arleigh Williams who told me that he feels that they will need to go to outside sources for funds to support the travel of five students to the Model United Nations Conference in Montreal. He is thinking of approaching the Rotary Club and other civic-minded private organizations. I told him that I don't see any problem with that and encouraged him to go ahead.

I also talked with Frank Kidner, who said he may resign the directorship of the Bureau of Business and Economic Research at the end of this year. He told me that a division of research has already been established at the Business School at UCLA and he anticipates that Dean Grether may be successful in setting up the same sort of arrangement here. If Grether does manage this, the necessity of the Bureau would vanish. Frank is still thinking about the timing of this decision and promised to let me know how things develop.

When I returned to Dwinelle Hall shortly after 2 p.m., I received a telephone call from Ed McMillan to alert me to the fact that a problem has developed with the site for the Chemistry Building Addition (Building 70A). It appears that the site (which McMillan and I both agree is the only feasible one) is controlled by a land grant which does not allow the land to be leased to the government. Actually, more work has to be done to ascertain the exact history of that land and the stipulations of the grant. We will need to find a way to get the University to relax its rules on this; the negotiations with the AEC were so difficult that neither Ed nor I are willing to go to the AEC people with additional complications. I promised Ed that I would have C. W. Brown look into this. Then we will probably have to go to the Regents for an exception of their rule in approving a lease arrangement.

I spent much of the balance of the afternoon dictating some letters. I sent off a brief note to Norman Topping, thanking him for the enjoyable golf game last Friday and enclosing a copy of Art Rosenbaum's article on the AAWU, published yesterday in the San Francisco Chronicle (copy attached).

I wrote to Tom Cunningham, asking his advice on the Special Fraternity Problems Committee's recommendation that we support the relocation of three fraternities to a "fraternity area" near Bowles Hall, and drawing particular attention to Pat Brown's ruling about the relationship of the University to fraternities practicing discrimination.

By memo I informed Dean Grether that Harry Wellman has approved leaves for four members of the faculty of Business Administration to attend the Ford Foundation Institute of Basic Mathematics for Application to Business and that we have worked out provision of salaries for their replacements.

I appointed a Special Advisory Committee on Foreign Language Institutes to assist NDEA Coordinator Douglas Chrétien in considering proposals under Title VIB, asking Arnolfo B. Ferruolo to chair the committee.

I also wrote to Clark Kerr, recommending an increase in minimum pay rates for 12 nonacademic classifications which are predominantly filled by students to bring those wages into alignment with the "Fair Bear Rate" recently negotiated with the ASUC and businesses in the campus community. Students have succeeded in getting merchants and other employers in the campus area to agree to a minimum wage of $1.35 per hour and there are currently 11 classifications with pay rates below that amount. Despite arguments against this, such as the lack of general nonacademic personnel increases in 1958 and the problem of uniformity with other campuses of the University, I favor this move for the following reasons:

1. The students are organized and have obtained, through a collective bargaining process, a minimum wage level which the ASUC and the local merchants have agreed to pay. Our recognizing this fact is not essentially different from our recognizing the prevailing practice in the case of other organized employees, where we have to take some action even in the absence of augmenting funds; and

2. Our failure to recognize this practice promptly would do much to destroy our whole program directed to improving student- University relationships. The consequence of not taking action would far outweigh the cost of doing it, in my opinion.

SAN FRANCISCO CHRONICLE
January 5, 1959

OVERHEARD

Big Five Awaits NCAA Decision

By Art Rosenbaum

The National Collegiate Athletic Association (NCAA) is meeting this week in Cincinnati and from the convention may emerge (1) a solid Big Five on the Pacific Coast or (2) a shaky Big Four.

USC stands charged with improper recruitment of "foreign" football players — i.e., players from Pennsylvania, Louisiana and waypoints. Trojan officials have poo-poohed the indictment, noting it is at least one year old and almost outside the statute of limitations. They have explained the cases satisfactorily to the NCAA and that ends it.

WALLACE STERLING

But Walt Byers, NCAA executive director, has told some Midwest writers that "We plan to give it (the USC situation) a good, close look and report to the next meeting."

The "good, close look" could reveal exactly what USC has been saying all along—that no improper inducements were offered and none accepted and that the players involved are blue clean.

If nothing is reported on USC at this NCAA meeting, then the way could be cleared for Stanford to join UC, UCLA, Washington and USC in the Big Five. This Big Five would decide its own championship and probably deal for the 1961 Rose Bowl which, despite the annual massacre, is still a $1 million dollar plum.

☆ ☆ ☆

If USC does go on report at this NCAA meeting, Stanford's position will be awkward. Stanford president Dr. Wallace Sterling is seldom quoted on PCC matters but it is

See Page 4H, Col. 1

Continued from Page 1H

obvious he is not only aware of USC's new trouble, but he has indicated to associates that Stanford will stand pat on the sidelines until the time is proper.

Currently Stanford is needed as much, or more, by the Big Four as Stanford needs the Big Four. At the gate, this is certainly true. Stanford draws better than California in Los Angeles, and as well as California in Seattle. And the Big Game, though dominantly California in alumni-representation, is mutually necessary to a full house.

All members of the Big Four were penalized by the Pacific Coast Conference (PCC) for rule infractions. Stanford voted for the penalties. Stanford is pure, despite many accusations to the contrary.

The Big Four membership is upper case, but the inclusion of Stanford would add a touch of ivy. No question, Stanford is wanted. Stanford, conscious of its ivy, doesn't know yet if it wants to be wanted.

The answer will be clearer after this NCAA meeting.

I also consider it a positive sign that students have succeeded in organizing for such a practical cause as well as around more nebulous issues like so-called "freedom of speech".

In the evening I attended the regular Tuesday evening chemistry Research Conference in Lewis Hall.

Wednesday, January 7, 1959

This morning I went up to the Radiation Laboratory for a meeting of the Associate Directors beginning at 9 a.m. Among other things, we discussed the problem which has developed with the land selected for the Chemistry Building addition. It turns out that the site is within the original land grant area of the University. The Atomic Energy Commission has questioned the long-term ownership of the building if sited within this boundary. We will have to consult with Tom Cunningham for a legal opinion about this problem and take it to the Regents at their January meeting. I also had a chance while I was up on the Hill to visit with some people to catch up on what has been happening with research activities at the Lab.

At noon I lunched with Jim Cobble of the Chemistry Department at Purdue University, and a consultant, as I am, to the U.S. Rubber Co. Jim worked with me as a post-doc a couple of years ago.

I arrived at my office in Dwinelle Hall at about 1:30 p.m. and dictated several letters. I wrote to Harry Wellman, expressing the opinion that it would be advisable to have statewide agreement about the interpretation of Pat Brown's decision about the relation of state colleges and the University of California to fraternities with discriminatory membership clauses and requesting a meeting of the Deans of Men and Women of every campus to reach an agreement. I specified the Deans of Men and Women because they are the officers most closely concerned with the problems of living groups on their respective campuses. I feel very strongly that it is a matter of some urgency that the University develop a policy in line with Brown's recent decision.

I wrote to Cecil E. Yarwood (Department of Plant Pathology) seeking his expert advice on a proposal for an educational television program by the University of Nebraska which was referred to me by the Educational Television and Radio Center (for which I am senior science advisor).

I also signed a memorandum to all deans, librarians, business managers and other administrators, requesting tentative budget estimates for 1960-61 by January 19th. These estimates, although not binding like the more formal budget requests, are very helpful to the Chancellor's Office in planning. Unfortunately, I had to include a reminder of the "current financial situation confronting the state and, consequently, the University." I hope that this may help to make the tentative estimates more realistic.

At 2:30 p.m. Cort Majors called to talk about the Alumnus of the Year Award. Majors told me that he is going to support Jim Black for the award. He is rather upset that John McCone has been nominated for the award because he doesn't feel that McCone has ever given either money or effort to help the University. I said that I would not take sides on McCone's nomination and mentioned that I might nominate and/or support Clark Kerr for the honor.

A few minutes later John Lawrence called to talk about the biography of his brother, Ernest, that the University wants to commission. He promised to call Ernest's widow, Molly, to see what she thinks about the idea of having Dan Wilkes work on the book.

Just as I was preparing to go into the Conference Room for the meeting of the Campus Planning Committee, Norm Topping called to let me know that at the meeting of the National Collegiate Athletic Association (NCAA) Council in Cincinnati today, the University of Southern California was put on probation until January 1961. This penalty (which means no NCAA championships for one year and no NCAA television broadcasts for two years) results from a violation in 1957. USC was found guilty of illegally transporting two athletes from the East for recruiting purposes. Norm told me that they are definitely going to straighten this out to prevent any repetition.

At 3:30 p.m. the Committee on Campus Planning met in the Chancellor's Conference Room. Bill Wurster and I were the only members present; also attending were Jim Hart, Ed Strong, Sandy Elberg, Louis DeMonte, Norman Dyer and A. R. Wagner. After the minutes of the meeting on December 9th were approved, we discussed the proposal of a "special fraternity area" southeast of Bowles Hall. Louis DeMonte reported that the land, due to its steepness and slide hazard, would not lend itself to any construction. I also remarked that the question of the University providing land for fraternities has been referred to Tom Cunningham for a legal opinion about the private use of University land.

We then talked about the future of the old powerhouse building, north of Sproul Hall Annex, which is presently used as the Art Gallery. The Committee decided that we should retain this building until such time as alternative facilities are available for the display of art.

A discussion of the proposal to add a sheltered roof deck to the Law School addition (which would provide an informal meeting place for faculty and students and a spectacular view of the Bay and the Golden Gate Bridge) created some disagreement among those present. Bill Wurster estimated the cost of building such an amenity at about $21,000 and made it clear that he feels very strongly that it would be a great pity to forego the deck which would add a great deal to the building. Sandy Elberg feels that, given the extreme shortage of instructional and research space, it would be difficult to justify the deck area. Wurster suggested that we might choose to go ahead with the deck (which must be built at this time) using funds allocated to the stacks at the Law Library, since the stacks might be installed at any time in the future and are not absolutely necessary at this time. That seems like a reasonable idea to me and we decided that Wurster and DeMonte should look into the possibility of a minimal expenditure on setting up the roof area so that it might be completed at some time in the future.

The Committee then approved the City of Berkeley plan to establish pairs of one-way streets in the immediate vicinity of the campus in the hope that such a plan will help to alleviate the traffic congestion around campus. We then talked about the major street improvements which would be funded by a bond issue to be submitted to Berkeley voters in April. Among the proposals is a plan to widen Piedmont Avenue between Dwight Way and the campus to four moving and two parking lanes through the reduction of the landscaped center islands. The Committee recommended that the University vigorously oppose the proposed

alterations to Piedmont Avenue,

> "...for the reasons of loss of attractive landscaping and of added traffic volumes, both of which are believed to be detrimental to the campus environment. It is further recommended that the City of Berkeley be requested to assure the University of the opportunity to review detailed engineering plans for all such improvements in the immediate vicinity of the campus, in conformance with the spirit expressed in the City-University Agreement dated June 24, 1958."

Bill Wurster reported that he and Lionel Viales plan to meet soon to talk about possible sites for the Lawrence Memorial Museum and a discussion of the basic concepts of the museum and of site criteria (i.e., accessibility to the public, ability for future expansion and provision for adequate parking) followed. The meeting concluded with discussion of the problem associated with the site for the Chemistry Addition at the Radiation Laboratory. I requested that this issue be brought up at the January Regents Meeting. We adjourned at a few minutes after 5 p.m.

When I returned to my office, Kitty Malloy told me that they had received a number of calls from reporters seeking a statement from me about the USC probation. Kitty told me that Howard Carr of the Chronicle brought up the statement I made yesterday at the University Meeting about the high standards of the four schools in the new Athletic Association of Western Universities. Don Selby of the Examiner and Ed Schoenfeld of the Tribune also called and will call again tomorrow. I will have to do some thinking about how to handle this.

Thursday, January 8, 1959

Following the recommendation of Bob Cockrell (Chairman of the Chancellor's Advisory Committee on Discrimination) I authorized the release to the Daily Californian of a statement summarizing the work of the Committee. The Committee on Discrimination has concentrated thusfar this semester on investigating reports of discrimination in housing and on the measures being taken by the Housing Office to support the long-established policy of eliminating discriminatory housing from its approved list. Cockrell has reported to me that a lot of difficulty has been caused by students running "test cases" themselves on possibly discriminatory housing. He feels that most of the students lack confidence in the Housing Office's good faith efforts to eliminate discrimination, are unfamiliar with the Housing Office, and are responding to "word of mouth" reports of indifference. We, therefore, published a statement which not only reaffirmed our interest in weeding out listings which violate the University's policy but which also reiterated proper procedures to follow in notifying the Housing Office of suspected discrimination. I wrote,

> "By informing themselves of the means of redress and cooperating with duly constituted agencies in the manner recommended by the Committee and approved by the Chancellor's Office, students can assist those University agencies in enforcing the policy of non-listing of discriminatory housing and at the same time promptly clear up misunderstandings and even unfounded accusations."

I concluded the statement by mentioning (without using names) the recent decision to remove Hanson House from the listings as a result of finding evidence of discrimination.

I received a copy of a letter from Clement French, responding to Ray Allen's December 4th letter which tried to defend the UCLA position of denying Washington State College's request for permission to participate in other Bowl games. It is also clear that French is still very upset about WSC's exclusion from the AAWU.

I also dictated a number of letters regretting invitations to speak, etc.

Ed Schoenfeld of the Oakland Tribune called again, as I expected he would, for a statement regarding the NCAA disciplinary action against the University of Southern California. I gave him the following statement:

> "I look forward to a long period of operation for the Athletic Association of Western Universities and this is only one incident in this anticipated history and I don't think it will have any important effect."

I like to cooperate with Ed because I feel that he reports fairly and favorably on California athletics but I still wanted to make the statement as vague as possible; we do not want past sins to become too closely associated with the AAWU.

Bill Fretter telephoned me at 11:50 a.m. to describe a recruiting problem in the Department of Physics. Both UCB and UCLA are interested in hiring John Robert Schrieffer of the University of Chicago. Schrieffer has an excellent reputation in solid state physics and Berkeley is prepared to offer him a top level assistant professorship. However, Carl Helmholz discovered that UCLA is considering offering him a full professorship so the University of California is ending up bidding against itself. In an effort to cooperate, Helmholz (Chairman of Physics here) and E. Lee Kinsey (Chairman of Physics at UCLA) are lunching together to decide on the level of any offer of employment which would be good on either campus. I am pleased to see this sort of communication between campuses. We certainly do a great disservice to the University by competing for good candidates.

At 12:30 p.m. I walked over to the ASUC store to present a brief talk on my book, Elements of the Universe, and to autograph copies for students. The Daily Cal article announcing my appearance gave a rather good summary of the book, I think. They said,

> "Elements of the Universe was based on a television series presented on station KQED, featuring Seaborg and other University scientists. As such it depends to a large extent on visual materials, photographs and diagrams, to present the basic facts about chemical elements and the research which is being done on them at the University and elsewhere. The book is designed to give the non-scientifically educated layman an understanding of the nature and significance of the progress of physics and chemistry in the scientific revolution in which we are engaged."

I lunched with Richard Frankel, whom I knew as an official of the Nuclear Science and Engineering Company (NSEC) in Pittsburgh, Pennsylvania (for which I serve as a member of the Board of Directors) and who left NSEC to move to San Francisco. I gave him an autographed copy of my book Elements of the Universe.

Colonel John T. Malloy, head of our Army ROTC unit, called me at about 2 p.m. to let me know that he has received an inquiry from the Department of the Army about Robert Gordon Sproul's health. They are considering appointing Sproul to a visiting committee for the Air Force Academy and wanted to know if he is up to it. I said his health is pretty good--surely good enough for this appointment.

From 3 p.m. until 4 p.m. Alex Sherriffs and I held the Student Office Hour. Only two students visited. One, a graduate student in Linguistics, spent the entire hour telling me about his grievances against the Department. He claims that the instructors are incompetent to teach their subjects, that they do not correct assignments, that they are given to tirades instead of lectures, and that they stifle creativity in students. I took note of his objections and promised to discuss them with Lincoln Constance. Alex met with the other student.

I was interrupted once by a telephone call from Wally Sterling at about 3:10 p.m. Sterling, who is recovering from surgery, called a little belatedly to discuss the Cal-Stanford agreement on faculty raiding. He told me that Stanford has offered a job to Dow Votaw of our faculty and that the dean of their School of Business Adminstration has already discussed this with Dean Grether of our School. He apologized for not having explained the agreement between our two schools earlier. As I understand it, the informal agreement (apparently reached over lunch between him and President Sproul about ten years ago) is that we will raid other parts of the country first and then, if we absolutely have to do so, we raid each other. Raiding faculty below the level of assistant professor is considered fair game; at any level above that, we have agreed to inform each other. I thanked him for the information-although in this particular case, I don't really appreciate receiving the news after the fact.

Friday, January 9, 1959

I am not feeling very well this morning; I am afraid that there are all the signs of a migraine headache developing. As it happens, my calendar this afternoon is free so I intend to put in a full morning's work trying to clear my desk of correspondence so that if I am not feeling better this afternoon, I can go home to rest and hopefully sleep it off.

I received two memos from Harry Wellman. One informed me that Dick Jennings' request that the University pay for the lunches of faculty members attending the meetings of the University-City of Berkeley Liaison Subcommittee is approved and the lunches should be charged to the Berkeley campus Miscellaneous Expense Account.

Wellman also wrote to suggest that I bring it to the attention of Otto Struve that there has been some discussion of making the Lick Observatory a focal point of a new campus in San Jose, in accordance with the recommendations of the Council of Chief Campus Officers that new campuses be launched with initial distinction in at least one area, probably revolving around existing outstanding research institutes or laboratories. Wellman mentioned that he has already thrown this idea out in conversations with Albert E. Whitford (Director of the Lick Observatory).

I also received a letter from Leo Brewer (Chemistry), accompanied by a memo from Bill Fretter, describing a proposal for improving elementary school science education developed by Brewer, Bob Karplus (Physics), Everett Dempster (Genetics), Ernest Starkman (Engineering), and Charles Tobias (Chemistry). All of these professors are residents of Orinda. Their proposal, which was originally discussed informally with the National Science Foundation in terms of a proposal from the Orinda School District to the National Science Foundation with cooperation from the University, was rejected by the NSF on the grounds that there was not sufficient University participation. The five professors feel so strongly about this that they now wish to become principal investigators for a grant from the NSF to undertake this program. Bill Fretter indicated that in his discussion with Bob Brode about this, Bob observed that the NSF is somewhat reluctant to reach down as far as the elementary schools. Nonetheless, there is no prohibition against this in the law and I support the group's contention that improvements in science education must begin at that level. I wrote a note to Fretter, expressing my enthusiasm for this project and informing him that I would like to back their project to the limit.

A memo from Douglas Chrétien passed on "a disquieting rumor... on what appears to be reliable authority" that large institutions will receive "little or nothing" with respect to language programs under the National Defense Education Act. He suggests that I inform President Kerr and Chancellor Allen of this news "with a view to the larger universities' making strong representations to the Office of Education". I think, if this is true, we must certainly promote our own interests in this matter before this interpretation of the Act is locked in.

Ed Strong sent me quite a long memo, describing the history of the College of Engineering's request for Senate approval to act as its own Office of Admissions for undergraduate students. The College has apparently been doing so for some years without authorization and will present a case for Senate sanction of this practice at the Representative Assembly meeting on January 13th. The Board of Admissions is quite ready to work with the College of Engineering in the administering of entrance requirements to the College in addition to those for general admission to the University. However, they are opposed to the idea of authorizing this College or any other to operate independently of the Board and the Office of Admissions in administering entrance requirements and in determining quotas of limitations of enrollment. Ed Strong suggests that the proper course of action might be to present a motion referring consideration of this matter to the Board of Admissions and the Senate Committee on Educational Policy. He has already discussed this with E. B. Roessler (Chairman of the Board of Admissions) and Charles Jones (past Chairman of the Board) and they are prepared to make the motion. I agree with Ed's appraisal that this move by the College of Engineering to operate by exception to, and outside of, the jurisdiction of the Board and Office of Admissions, contrary to the rules of the Academic Senate, involves "matters of policy and administration of the most serious and far-reaching sort."

Donald Coney wrote me a very long memo about the proposed $5,000 budget reduction in the support the Committee on Drama, Lectures and Music receives from University Extension. He observed that although it is true that $5,000 represents only 3% of the total reduction proposed for University Extension (as Ernie Engelbert pointed out), the amount represents 28% of the DLM budget for the remaining six months of the year. He summarizes the history of

University Extension's association with DLM, the kind of events sponsored by DLM (which number 423 this fiscal year with an anticipated attendance by 150,000 people) and the general administrative work required by producing programs. Coney is very concerned about this proposed reduction and argues that Clark Kerr would also take an interest in protecting their continued support at the originally-budgeted level (since Kerr took the initiative to secure McEnerney funds for enlarging and improving the program). He suggests appealing to the President to provide the $5,000 from other funds and recognized that we may need to reconsider the relationship between DLM and Extension (which apparently grew out of former University Extension Director Baldwin Woods' appointment as Chairman of the Committee on DLM for ten years before Coney assumed that responsibility). I am very concerned that the University be able to keep its commitment to produce special events which have already been advertised and for which tickets have already been sold. I also value the contribution to the University cultural life provided by DLM's activities and will look into any creative solutions for minimizing the effect of University Extension's budget reduction on DLM's activities. Perhaps Jim Hart will have some ideas on this.

At 10:30 a.m. Dan Aldrich (who has just been appointed the new Dean of Agriculture statewide) visited my office to get acquainted. We also talked about potential candidates for his replacement as Chairman of the Davis-Berkeley Department of Soils and Plant Nutrition. He suggests Perry Stout of Berkeley, who is interested enough in this position to move to Davis. Aldrich also told me that faculty at both campuses support Stout for the chairmanship. I told him that I will ask Vice Chancellor Strong to look into his recommendation and that we will let him know my conclusion soon.

Before leaving the office for the day, I read a memo from Alex Sherriffs (Chairman of the Student Affairs Committee, among other things), describing matters of concern to that Committee which "affect the quantity and quality of teaching on the Berkeley campus." The Student Affairs Committee requested that I refer their questions to the Educational Policy Committee for their consideration. I sent a letter to that effect to C. W. Jones, Chairman of the Senate Educational Policy Committee, attaching the SAC statement. I think the questions which they raise are extremely interesting and am attaching the statement for that reason.

At 1 p.m. I left the office for the weekend. I took my migraine headache to bed as soon as I arrived home in Lafayette.

Saturday, January 10, 1959

For once I came home for the weekend yesterday without bringing any papers from the Chancellor's Office this me. I played with the kids and caught up with some of my reading of scientific journals.

In the evening I drove to the campus to watch the basketball game between the Bears and the University of Idaho at the Men's Gym. The Bears won, 64-39.

Sunday, January 11, 1959

I spent the day reading the Sunday issue of the San Francisco Chronicle and some more scientific journals.

At about 5 p.m. I left Lafayette and drove to the campus to attend the meeting

In view of the projected increase in student enrollment on the Berkeley Campus, the growing shortage of qualified candidates for faculty appointments, and the apparently increasing share of faculty time which is devoted to non-teaching activities, what steps can be taken to improve the quantity and quality of teaching and learning on the Berkeley Campus? The following are examples of subjects which may need to be explored in studying this broad question.

1. Distribution of faculty time between formal teaching and other activities. (Exclusive of 199-299-350

2. The amount of faculty time not available for teaching because of sabbatical leaves, leaves without pay, research grants and appointments, and administrative appointments.

3. The demands on total faculty time made by committee and administrative work and public service.

4. Trends and prospects for each of the above points.

5. How much faculty time goes into work with graduate students outside the class room, and how should it be measured and weighed as teaching time in comparison with other teaching time?

6. Are there steps which can be taken to make teaching more rewarding for the faculty member, both financially and as a basis for promotion?

7. Do institutes present a special problem in the diversion of faculty time from teaching?

8. Is more rigorous administrative (including departmental) review and regulation of the allocation of faculty time between teaching and non-teaching activities advisable?

9. Could the utilization of both faculty teaching time and student time be improved:

   a. By some reduction in the total units students are required to take for graduation?

   b. Through enrichment of present course offerings by merger of overlapping and unduly fragmented courses, introduction of more honors courses, etc?

   c. By preventing further fragmentation of departmental curricula in the future?

Milton Chernin — Van D. Kennedy
Lincoln Constance — J. L. Meriam
Varden Fuller — E. W. Strong
James D. Hart — H. J. Vaux
Alex C. Sherriffs, Chairman
STUDENT AFFAIRS COMMITTEE

January 9, 1959

of the Order of the Golden Bear. The initiation of new members of this University discussion organization began at 5:30 p.m. I spoke at the dinner which began at 7 p.m. to the assembled group of newly-initiated students, members of the Order, representatives of the faculty and the administration and alumni, for about ten minutes on University aims and programs,

Monday, January 12, 1959

I buckled down to a big pile of correspondence as soon as I arrived at the Chancellor's Office this morning.

I was disappointed to receive two letters from professors appointed to the Special Advisory Committee on Foreign Languages last Tuesday, begging off on the assignment. I sent a letter to Benjamin Woodbridge (of Spanish and Portugese), asking him to serve on this special NDEA committee. I also read a memo from Douglas Chrétien, requesting $60,000 per year for three years to support four Language and Area Centers to be established under the terms of Title VI-A of the National Defense Education Act (which stipulates that funds provided by NDEA must be matched by the institution receiving them). Chrétien asserts that the committee making this recommendation has been "both reasonable and realistic" by not seeking to reach out to all "critical languages" (as the NDEA describes them). Their proposal covers the following languages (only a few of which they expect to be selected by the Office of Education): Dutch, Serbo-Croatian, Russian, Lithuanian, Turkish, colloquial Arabic, Hindi, Dravidian, Thai, Chinese, Mongolian, Korean and Indonesian. Chrétien points out that the Act provides for instruction in "area" as well as language; however, the feeling on the Berkeley campus is that such instruction is already available and adequate so we are not applying for support for area courses. I am also pleased to read that the administration of these programs can be set up between the departments involved and himself (as the Berkeley Campus Coordinator). The NDEA Act promises to bring some exciting new programs to the University and some much-needed financial assistance for students. However, it also places something of a financial burden on our University, which is already hard-pressed by the State of California fiscal stringencies.

I received two policy directives this morning. One, from Harry Wellman, formalized the granting of credit to University Extension courses as already outlined. The other, signed by Bob Underhill (Secretary of the Regents), informed me that in the future there will be advance confirmation by the President, in consultation with the Regents' Committee on Educational Policy, of appointments of head coaches of the four major sports and that the form of all contracts of head coaches, assistant coaches and other coaches will be subject to approval by the General Counsel of the Regents (Tom Cunningham).

Two letters from Clement French, one written on January 6th and the other on January 8th, arrived today. In his first letter Clement wrote,

> "I think you know from the meetings you attended how much I felt Berkeley and we had in common. I think the most disappointing and, I must admit, disillusioning part of the whole affair was to see Berkeley go with at least two whom I cannot see holding to your principles. Believe me, this is not intended as a means of continuing a discussion of a closed issue. It is simply an attempt to have you understand why on certain matters I may be a more biased observer than you feel pure objectivity would justify."

It appears that Clement has not recovered yet from the disappointment that Washington State College was not invited to join the AAWU and I think one can easily pick up the idea that he has not yet forgiven UCLA and USC for vetoeing participation in other Bowl games last November.

The January 8th letter enclosed a clipping from the Spokesman-Review in Spokane which reported on the NCAA disciplinary action against USC. The column also mentioned past antagonisms and "dirt-digging" between USC and UCLA and emphasized WSC lack of sympathy for USC,

> "Poor, poor Trojans! Tears will flow all through the Northwest, especially on the campus of Washington State College, whose Cougars were denied a football bowl by USC's veto action in concert with UCLA... Yes, we can smile vengefully up here, and talk about 'poetic justice', but it really isn't funny, is it?"

Clement added to this,

> "It is this kind of thing (referring to the USC violations) which seems so foreign to the principles of Berkeley and of yourself and yet seems so natural to your brethren in Los Angeles. Why then, I ask myself, would those who naturally should be together have to be separated and ones like yourselves join with people who hold other points of view."

He certainly is "continuing a discussion of a closed issue". At this point I don't know what else I might say to him, although I can sympathize with his point of view.

Greg Engelhard telephoned me at 10:30 a.m. and I told him about the Regents' resolution concerning advance confirmation of contracts for coaches of major sports, etc. He said that he is having difficulty getting Pete Elliott to agree to a new contract. Elliott says that he is concerned about the future policy of the University. Greg and I agreed to meet with Frank Kidner at the Durant Hotel at 5:30 p.m. The Intercollegiate Athletic Advisory Board is meeting there this evening at 7 p.m.

Around 11 a.m. I went up the Hill to the Rad Lab and visited with some people, including my grad students Vic Viola, Glen Gordon, Marshall Blann and Dick Lessler, to discuss research, the Mendeleev Conference, etc., before the Chem Staff lunch meeting began at noon.

When I returned to the campus at about 2 p.m. I signed two separate letters to Harry Wellman. I passed on Greg Engelhard's recommendation that the ASUC Boathouse, located on the estuary in Oakland, be named in honor of Ky Ebright, the head crew coach since 1924 who will retire this June. I asked Wellman to present this recommendation to the Regents and to keep it a secret until "Crew Day" (some time in March) for which a special program honoring Ebright is planned. I also signed a memo to Wellman, drafted by Bill Fretter, acknowledging the suggestion that the Lick Observatory might be a center for a new campus in the San Jose area and informing him that I have shared his idea with Otto Struve. I suggested that another possibility is the idea of a campus in the Monterey area centered around the proposed Marine Biological Laboratory.

Following the excellent suggestion of Charles Smith (Dean of Public Health) and John Lawrence, I appointed a Committee on Instruction in Radiation Protection to be chaired by Smith.

I also signed letters to ten chief executive officers of local corporations inviting them to a meeting to discuss cooperation between industry and educators in developing programs aimed at improving the quality of science and mathematics instruction.

I read an interesting memorandum from Charles Hulten (Chairman of the Chancellor's Administrative Committee on Television), summarizing the Committee's work thusfar this year. Hulten points out a number of problems which the Committee has faced, including the need to develop proposals for television activities for 1959-60 "under the inexorable budget cycle... without meaningful experience and without time for consultation with the committee" and "last-minute congressional action on the National Defense Education Act" which provided funds for television projects which also had to be developed on the spur of the moment.

Hulten notes the tremendous opportunities for experimentation with educational television as well as the considerable expense involved. He recognizes Ted Sherburne's valuable assistance as an adviser and recommends adding a person to Ted's staff to assist in reviewing proposals and the publication in the University Bulletin of a statement from the Chancellor's Office, encouraging all faculty to submit proposals for the use of television. I think that both of these are very good ideas; unfortunately, an assistant for Sherburne will have to wait for word on the budget.

At 4:35 p.m. I took a call from Reynolds Johnson (calling on behalf of Father Quinn of the Newman Center) regarding their fundraising drive for construction on their new property. He wants my permission to get the names of Catholics from the Registrar and the Alumni Association. I promised to look into it. However, I do not believe that we have any lists which are organized by religious affiliation.

Greg Engelhard, Frank Kidner and I met at the Durant Hotel at 5:30 p.m. We discussed the Regents' directive requiring the approval of President Kerr and Vice President Cunningham on contracts for coaches and the difficulties with Pete Elliott's contract renewal.

The Intercollegiate Athletic Advisory Board meeting began at 6 p.m. Present were: student members Gregg and King, faculty members Nordly and Stone and alumni representative Majors, as well as Engelhard, Kidner, Davis, Gordon, Hastings, Stricklin and me. Engelhard reported on the PCC meeting held in Pasadena during the holidays for the purpose of working out termination procedures for the Conference. The agreement reached is that the Rose Bowl contract for January 1960 will be fulfilled under the direction of a trusteeship, consisting of the athletic directors of the nine schools which had made up the Conference, and that the rules in connection with the contest would be the same as those which prevailed while the Conference was in operation, but prior to the establishment of the round-robin schedule requirement. Greg will act as Chairman of the Selection Committee with Jess Hill of USC and Leo Harris of Oregon also serving. Both Rose Bowl representatives and representatives of the Big Ten Conference have already approved these arrangements.

Greg then went on to tell us about the meeting held on December 7th of representatives of the four schools now constituting the AAWU to confer on pre-organization operation prior to July 1, 1959. Frank Kidner was elected Chairman and Engelhard, Secretary-Treasurer. Jack Gose of Washington has been asked to prepare tentative Articles and By-Laws for the new association. Frank remarked on the three problems associated with the startup of the AAWU in July: the physical location of the Conference's office, the adoption of By-Laws, and the selection of an Executive Officer. He noted that all of the schools have been requested to submit suggestions for the Executive Officer to him and Engelhard before the next AAWU meeting, which will probably be in May. He indicated that the group decided not to press the matter of Stanford joining with us and that the Air Force Academy in Colorado is being considered for and is considering membership in the AAWU.

Greg then reported on the recent meeting of the NCAA. He told us that there was considerable discussion of the possibility of a national tie-up between the AAWU and schools from other sections of the country. He remarked that the schools involved in this discussion appeared to favor rules generally similar to those being considered by the AAWU, including the student work programs (with the one exception of the military school).

I then commented on the excellent job being done by our representatives and observed that our prospects look even brighter than at first. However, I also cautioned against proceeding too rapidly, especially in connection with the inter-sectional idea. I suggested that we should solicit the opinions of students, faculty and alumni before proceeding much further with this. The Board concluded that the matter should not be taken up with the ASUC Executive Committee until after the receipt of drafts of various documents so that questions might be answered with greater precision, and that the AAWU organization should be completely formalized before serious consideration of a national tie-up. They also decided that consideration of contracts for the football coaching staff should be handled at a single meeting, hopefully at the next meeting of the Board, when all factors will be known. The meeting adjourned after 9 p.m. and I drove home to Lafayette.

Tuesday, January 13, 1959

I spent the morning going over my correspondence with Anna Carol, dictating routine letters regretting invitations, etc. I also wrote to Ed Pauley and Bill Henry, expressing my appreciation of the news that the new junior high school in Chatworth, California, will be named in honor of Ernest O. Lawrence. I wrote Henry that the University of California will be pleased to donate some photographs of Ernest, aerial shots of the Radiation Lab and photos of the cyclotron, and that we will also select some scientific books to give their school library.

Lionel Viales wrote me quite a long memo concerning his preliminary work in coordinating the EOL Science Museum. One question of critical importance voiced by him is the level of the museum's exhibits--whether it will be designed for the general public or for more scientifically-oriented and educated people. I will instruct him that I believe the intent is to attract the general public with exhibits of popular interest. Viales also informed me that he will begin a survey of similar institutions next week, travelling first to Los Angeles and continuing across the country and to Europe, visiting nine science museums in the United States and six in Western Europe between

January 21st and February 25th. I hope that he will learn a great deal from his travels and bring back practical ideas for consideration of the EOL Memorial Committee. I asked him, by memo, to take photographs so that we might learn something about the architecture and visual aspects of display in these world-famous institutions. Viales also presented an idea which he has discussed with Bill Wurster: establishing a design competition for the facility. I think this is an excellent idea; it would afford us the opportunity to look at a number of different design ideas and also give a great deal of publicity to the museum project.

Sandy Elberg (who will assume the chairmanship of the Buildings and Campus Development Committee [BCD] during C. W. Brown's leave) wrote to summarize the history of the committee and its assignments and to make the point that chairmanship of this committee has become almost a full-time responsibility. Elberg admits that a particularly heavy load resulted from Kerr's charge to the Committee to develop a comprehensive physical plan for the campus, "including, in addition to academic buildings on the campus, physical plans for Strawberry Canyon and the Hill Area, Gill Tract, Richmond Field Station, parking and pedestrian circulation, campus landscaping, student housing, general cultural facilities, and sports and recreational areas" and adds that the work is substantially completed.

He also notes that a system of subcommittees has been instituted that will relieve the chairman of much of the work which has characterized recent years of planning. However, he also points out that the transfer of 130 people from statewide administration to the Berkeley campus jurisdiction (as a result of the recent reorganization) will create new problems for the BCD. Elberg expresses his concern about the demands of the BCD chairmanship and the effect on his research and teaching duties. He recommends the transfer of Roy Routsong from the Office of Architects and Engineers to the Chancellor's Office staff to assist the BCD chairman, citing Routsong's eight years of experience in related areas and his success in working closely with Berkeley faculty and administrative staff. I certainly do not doubt Elberg's description of the BCD load.

At 11 a.m. Lincoln Constance and I held our regularly scheduled Tuesday meeting for the first time since before the holidays. We discussed a number of matters of concern to the College of Letters and Science. Among them, we talked about the selection of chairmen for the departments of Astronomy and Dramatic Art. We agreed that Lincoln will accept Otto Struve's suggestion that he serve as chairman only until June 30th of this year and that we take a "preference poll" to suggest his successor. Struve believes that John Phillips will be the first choice of the department; if that guess is correct, I think we might appoint him on a year-to-year basis.

We also talked about Fred Harris' recommendation that Travis Bogard of the English Department be appointed Acting Chairman of the Dramatic Art Department. The Academic Advisory Committee is currently considering the academic quality of the Dramatic Art Department and it is expected to make some "renovation" in order to bring it up to Berkeley standards. Constance and I agreed to arrange a "caretaker" administration until decisions are made about the department's future.

At noon the Chancellor's Cabinet met in the Conference Room. Everyone was present with the exception of Jim Hart. It was quite a long meeting because we had so much to discuss. I announced that I will be speaking on the

difficulty of recruiting young scientists at the Regents' Educational Policy Committee January meeting and asked Bill Fretter to prepare some materials for me, including obtaining information on University salary scales for my use in answering questions.

The Cabinet enthusiastically agreed to the suggestions made by Jim Hart (by memo) for honorary degree candidates at the time of my inauguration in March (Dumke, Rothwell and Hildebrand).

Ed Strong gave the group some background on the Engineering College's efforts to get permission to administer their own admissions policy and reported that this matter will be referred to the Board of Admissions and the Educational Policy Committee when it comes up at the Representative Assembly meeting this afternoon.

The Cabinet then talked about the search for a replacement for Mike O'Brien as Dean of the College of Engineering. I promised to talk with Ken Pitzer about approaching Howard Gotaas (formerly at UC and now at Northwestern) about this opening.

I announced that, beginning next Monday, Russell Millar will assume Dorothy Powell's duties in the Chancellor's Office, including help with speech writing. Dorothy (who is going to work for Kerr) will keep her office here until space is available in the statewide building.

It was agreed that Berkeley campus participation under Title VIA (regarding foreign languages) of the National Defense Education Act up to $60,000 will come out of Springer money.

At 2:30 p.m. I met with Bill Brownell (Dean of the School of Education). Brownell is beginning his sabbatical leave next semester and wanted to talk with me before his departure about a number of matters in the School. (George Kyte will serve as Acting Dean during his absence.) He is very concerned about the cut in the School's research budget (which went down from $25,000 to $11,700 for this year). He asserted that the Berkeley School of Education is the only one in the United States where research has this low status. He stated that 21 out of 26 of the School's staff engage in research but their committee has had to deny all money to full and associate professors. They have been allocated only $13,000 for 1959-60; Brownell disclosed that they will definitely ask for considerably more for 1960-61. However, their immediate problem is for this year; Brownell says that they will need $5,000 more research money and $1,200 for travel funds. I asked him to write a memo outlining the need for additional funds which will be referred to Errol Mauchlan.

We also discussed the arrangements for James B. Conant's public lecture on January 30th. I am scheduled to be in New York to present the "Atoms for Peace" Award to George de Hevesy on the evening of the 29th but expect to be back on the Berkeley campus on the 30th to attend a dinner at the Faculty Club in Conant's honor and to introduce him at Wheeler Auditorium. I told Brownell that I will arrange for the honorarium for Conant.

At 4:20 p.m. E. T. Grether called to let me know that high outside offers have been made to some of the faculty of the School of Business Administration and that he feels that the situation is almost desperate. He specifically mentioned the Stanford offer to Dow Votaw and I told him about my conversation

with Wally Sterling about the "raiding agreement" between our schools. I will ask Anna Carol to set up a meeting as soon as possible between Grether, Aaron Gordon, Ray Bressler, Errol Mauchlan and me to consider possible means to protect ourselves from raiding from other schools.

I then telephoned Harry Wellman to let him know that due to previous commitments in New York, I will have to miss the Friday (January 23rd) meeting of the Regents. He told me that there is no need for me to send a substitute.

In the evening I attended the regular Chemistry Research Conference in Room 100, Lewis Hall.

Wednesday, January 14, 1959

I began my day up at the Radiation Laboratory at a meeting of the Associate Directors. After the meeting I dropped by to see Eileen Carson and sign a letter she had drafted to Richard Thruelsen, editor of the Saturday Evening Post "Adventures of the Mind" series. I agreed with his criticism that the outline I previously submitted for an article in this series was a bit too technical and asked that I might keep the possibility open for a short time so that I might work on a presentation of more limited scope on the new knowledge of chemical elements.

Ken Pitzer and I met in my office prior to the Chancellor's Advisory Administrative Council meeting at 12:15 p.m. Pitzer told me that Melvin Calvin has been "squeezed out" of two or three rooms in the Life Sciences Building, despite all the promises, and is very annoyed. I promised to look into it. I think one of the most aggravating of the Chancellor's duties is the mediation of the never-ending space battles on campus.

Pitzer also told me about the progress/lack of progress of the work of the selection committee for a new dean for the College of Engineering which he chairs. Ken told me that his committee wants more time and that we may have to appoint another acting dean for next year because there is some disagreement among committee members about candidates' qualifications. I told him okay, if that is necessary. The important thing is to get the best-qualified person in the long-term slot. Some of the committee members are not very keen on Clyne Garland; Ken suggested appointing Paul Morton as acting dean. I mentioned the suggestion of Howard Gotaas and Ken told me that he has already spoken with Gotaas. However, he feels that we would have difficulty getting Gotaas back and, in any case, he is not convinced that Gotaas is the best man for the job.

The CAAC meeting began promptly at 12:15 p.m. After introducing George Kyte as the Acting Dean of the School of Education during Brownell's sabbatical, I reported to the Council on the December Regents Meeting. I announced that the Regents have decided to give all academic personnel an across-the-board 10% pay increase and that they will probably do something similar for nonacademic personnel. Ken Pitzer inquired about the budget situation in general. I remarked that the situation is generally tight, explaining that our Berkeley campus budget was cut because enrollment figure estimates for the Fall Semester were not as high as originally predicted. However, I also observed that the actual Fall figures were higher than the estimates and that I do not believe that any further cuts will be made in our campus budget.

We then moved on to a detailed discussion of a suggested draft statement to President Kerr regarding the issue of extra compensation for full-time administrative personnel who also teach courses. Milt Chernin objected to forwarding a statement that applies only to administrative employees, asserting that the problem has broader implications. Ken Pitzer suggested that if a person is teaching regularly as well as performing administrative duties, a split appointment would be more appropriate than overtime pay. As we expect that the University may use the teaching services of nonacademic personnel more in the future as the pressures of increasing enrollments mount, it was decided to wait to incorporate this draft statement in a broader statement which would also address the issue of non-faculty research personnel. Hurford Stone asked that the CAAC consider the problem of recognition of the services of faculty members who do administrative work. As Clyne Garland pointed out, many department chairmen are kept busy with administrative work all summer. I asked Ed Strong, Donald Coney and Morrie Stewart to serve as an ad hoc committee to consider these problems and report back to the CAAC.

Our meeting concluded with a discussion of the non-faculty research personnel issue, which had to be continued to the next meeting of the Council. The difficulty with non-faculty research personnel appointments is that the existing system of tenure, retirement, sabbatical leave, review process, etc., does not apply to these positions. Bill Wurster informed us that Harvard uses the title "professor without tenure" to describe such positions but I agree with Frank Kidner that such an arrangement is unlikely to be approved at the University of California. One possibility that was suggested is the idea of using our regular faculty titles, preceded by the word "research". However, we will want to be careful to avoid the possibility of granting "faculty equivalent" status which could get us into trouble with borderline cases.

The Academic Advisory Committee met in the Conference Room beginning at 3:15 p.m. We had determined that the main topic of today's meeting would be a review of departmental FTE faculty and students for a campus of 30,000 students. I opened the discussion by outlining two possible approaches to controlling future enrollments: 1) by a broad means, such as enforcing desirable limits for the lower division, upper division and graduate division (say, for example, on the basis of a ratio of 9:11:10) within the total of about 30,000 students; or 2) by departmental ceilings arrived at by re-developing the Academic Plan on the same 30,000 students basis. I then pointed out the disadvantages of both of these suggestions: the first would inevitably lead to an imbalance between subject fields and departments and the latter would mean a lengthy detailed review of the Academic Plan in the absence of statewide guidelines. In the discussion that followed, a great deal of attention was paid to the possible implications of establishing a quota system for statewide admissions policy and to the need for a well-organized public relations effort before putting any such plan into effect. A copy of a draft recommendation on limitations of registration which is currently under the consideration of the statewide Educational Policy Committee was circulated and members of the AAC were asked to study the questions posed therein and respond to my office in writing before January 27th. Ed Strong will then collate the replies and present a summary at the next meeting.

When I returned to my office across the hall, I read and signed a number of letters and memoranda prepared by staff members. Bill Fretter drafted a letter to Regent Jerd Sullivan for me, responding to Sullivan's inquiry about

the feasibility of encapsulating liquid rocket fuel. Since his inquiry is somewhat outside of my field of expertise, we considered it sufficient to write that "the idea seems reasonable and I can think of no obvious reason why it should not work."

Bill also took care of dictating a letter to John Young (Program Associate for the Educational Television and Radio Center), incorporating Cecil Yarwood's comments on the University of Nebraska proposal for a television series on plant pathology. The advice I passed on was that the subject matter of the proposed TV series appears to be sound but that the credentials of the Nebraska people involved may be a bit exaggerated. (For example, the proposal claimed that one of the proposed participants "has numerous publications in research journals" and a search turned up only three papers in the past ten years!)

I also signed a letter to C. W. Brown, describing the plans for the Ernest O. Lawrence Hall of Nuclear Sciences as "a combination museum and education facility designed to educate the public of all ages in the nuclear sciences". I stated that we anticipate requiring 40,000 square feet of useful space, with room for possible additional expansion and ample parking facilities for the public. I mentioned that we are considering a site just north of the road to the Radiation Laboratory near Stern Hall and asked for the Building and Campus Development Committee's advice on factors we ought to take into account relative to the Berkeley campus plan.

Dan Wilkes drafted an excellent letter to W. W. Crocker, informing him of the plan to tear down the old Crocker Laboratory which was erected with funds donated by Crocker's father. The letter emphasizes the importance of the historic 60-Inch Cyclotron in Crocker,

> "Crocker Laboratory played a large part in the flowering of the Atomic Age, in the development of essential defenses for free peoples, and in ultimate benefits, only a few of which are apparent, for the whole human race."

Dan also added a nice personal note in his draft, which I signed with sincerity:

> "My feelings of indebtedness to the Crocker family are personal, since, as you know, the opportunity to do work which won for me the Nobel Prize was made possible by the existence of the Crocker Laboratory."

I indicated that I am initiating a study to determine an appropriate means for perpetuating the Crocker name at the University of California after the Laboratory has been demolished. One idea which we might consider is naming the new 88-Inch Cyclotron after the Crockers.

I signed a memo to Vice President Wellman recommending expenditure of $5,000 in capital funds in support of a study (proposed by the City of Berkeley) to determine a location for parking facilities in the Sather Gate shopping area to replace those that will be torn down to make room for a new residence hall.

William Rice dropped off a very interesting proposal, "Creating a Site for a New University in Northern California" in Fremont. I read his proposal with its accompanying dramatic illustrations with interest. He proposes building a new campus on Bay fill in Fremont, "a city in size and potential which

suggests that it will become the third largest city in California". I admit I am a bit surprised by that prediction and not altogether convinced by the extravagant promise,

> "...here literally in the heart of population needs, with excellent climate, with room for unlimited expansion and with tremendous and inestimable advantages of other Universities and colleges nearby, can grow the greatest University of the World."

Personally, I hope that the Berkeley campus might earn that distinction.

Thursday, January 15, 1959

I worked at home this morning, catching up on my reading. A letter from Charles Aikin (Chairman of the Political Science Department) informed me of a problem that has arisen with the shipment of research materials from behind the Iron Curtain by and for one of their advanced graduate students. The student is writing a paper on "The Socialist Unity Party of East Germany" and spent considerable time in Europe collecting the materials (books, periodicals, newspapers) which are now being held up by U.S. customs. As Aikin put it,

> "While it may be unfortunate that the government prohibits the importation of such materials for general use, it is most embarrassing for a research scholar to be denied the use of such items."

He asks for my support in seeking the release of the materials which the student needs for his doctoral dissertation.

After lunch I went over some correspondence and dictated a few letters in the Chancellor's Office. I wrote to Harvey White regarding arrangements for the filming of my program on the transuranium elements for the "Continental Classroom" series on January 26th. I asked him to provide me with a special kind of periodic table as a prop to make my lecture more meaningful and described it in detail.

I also wrote to V. V. Kozlov of the USSR Academy of Sciences to withdraw my paper, "The Transcalifornium Elements", since I will not be able to attend the VIII Mendeleev Conference. I mentioned that Al Ghiorso will be attending and may give a paper on the most recently discovered elements (which would cover the material I had planned to present).

At 2 p.m. Bill Fretter and I met with Carl Helmholz (Chairman of the Physics Department) to discuss their recruiting problems. They also need higher salary levels in order to meet the competition for talent. However, Helmholz is very conservative in his recommendations so I find myself in the unusual position, as Chancellor, of urging a department chairman to ask for more than he seems willing to do.

At 2:30 p.m. Herman Spindt (Director of Admissions) came to my office by appointment to discuss some of the criticisms and problems that have arisen in the admissions area. Earl Parker and Kenneth Forry (Superintendent of Schools for the Albany District) sat in on this meeting. I think we succeeded in clearing the air and I believe that our problems here are on the way to being solved.

I attended, and presided over, a meeting of the Board of Directors of International House at 3:30 p.m. The meeting was held at I-House and the main point at issue was the physical location of the new Foreign Student Advisor.

Friday, January 16, 1959

I began my day at the Chancellor's Office going over some correspondence with Anna Carol. Regents' Chairman Don McLaughlin wrote officially appointing me to a Regents' committee "to consider ways and means of utilizing techniques of closed circuit and broadcast journalism to improve the teaching and research activities of the University and to increase the efficiency of these operations." Other members are Regents Chandler, Pauley and Sullivan, Dean Sheats, Professor Charles Hulten and Mr. Rudy Bretz. I asked Anna Carol to send each of them a copy of my speech, "Television in the New Age of Education".

Norm Topping wrote to clarify USC representation in regard to athletic matters. Hugh Willett will continue to represent them at Pacific Coast Conference and NCAA meetings until the end of June of this year. Carl Franklin is the official representative to the new Athletic Association of Western Universities. Topping added the following comment

> "It is my sincere hope that the recent NCAA action with respect to SC will not affect the bright future of our new athletic association. I have asked our faculty athletic committee to make a thorough study of our athletic department practices which formed the basis for the alleged violations and to make recommendations to bring us into full compliance with all athletic association rules."

We are all very concerned that the new AAWU start off on the right foot and avoid the sort of problems and negative publicity which caused the demise of the PCC.

I signed two memoranda to Harry Wellman, drafted by Errol Mauchlan. One recommends that the University provide support for travel to the USSR for Carl B. Huffaker (Department of Biological Control) as a member of a United States team of entomologists to study the biological control of weeds.

The second memo concerns the Berkeley campus' need for matching funds in order to participate in the National Defense Education Act. We calculate that under Title VI (foreign languages) we will need approximately $60,000 over each of the next three years in matching funds. I suggest that the Springer Fund would be an appropriate source of such funds.

I also signed six letters to the heads of various science museums on the East Coast, asking them to assist Lionel Viales in his survey as background for the planning of the Lawrence Hall of Science. Viales will be making a rather extensive tour of museums and science centers in the East and in Europe, from which we hope to learn a lot.

At 11 a.m. I met with Earl Parker to talk about the progress of the committee to select a new dean for the College of Engineering. (Parker serves as a member of this committee, chaired by Ken Pitzer.) According to Earl, there is a split in the College between the "Old Guard" which wants a professional type of engineering and a group which wants a more applied science approach.

Parker includes himself in the latter group along with Joseph Pask (Mineral Technology), Samuel Schaaf (Mechanical Engineering), John Whinnery and Samuel Silver (Electrical Engineering). He identifies Clyne Garland (Engineering Design), Harmer Davis (Civil Engineering) and James Meriam (Engineering Mechanics) as leaders of the "Old Guard". I told him that, of course, I favor the scientific approach and feel that the professional training should be left to the state colleges. Parker agreed that many such courses should be at the state college level; he gave as an example the surveying courses and mentioned that a student now has to be a member of the surveyor union just to take the course.

We talked about various candidates for the deanship. I stated that I would like to see the selection process carried out with very deliberate care by the Pitzer committee- even if that means that we will not have someone serving as dean by the target date of July 1st. Parker expressed the opinion that a new acting dean should be appointed if a dean is not selected by that time. We discussed the difficulties of so many changes in such a short period of time; however, I asked him to suggest that the selection committee make recommendations for an acting dean if our goal of a July appointment of a dean does not look practical. Parker asked if I think Herb York might be available if we delayed until 1960; I said I doubt it but I will keep exploring the idea with York.

At noon Vic Schmidt, Dan Wilkes, Alex Sherriffs, Bill Shepard and I lunched at the Faculty Club North Dining Room. The purpose of the luncheon was to introduce Vic and give him the chance to get acquainted with the others. I am still hoping to find a position for Vic here on the Berkeley campus. It was a very pleasant luncheon. We talked in general about the University and did not specifically mention Vic's jobhunting.

Vic and I walked back to my office after lunch and talked for a while about his interest in working here. I assured him that I am interested in helping him to find a position here and tried to explain that actual selections are made by individuals units, i.e. the Dean of Students Office and the Business Manager's Office. The best I can really do is to help him to meet people, as I did with the luncheon this afternoon. He raised the question of working in the President's Office. I said that this is also in a state of flux with the reorganization plan. I suggested that he might get in touch with me next time he is in the Bay Area and I will see whether I might be able to arrange a meeting with Clark Kerr for him to discuss this.

At about 2 p.m. I called Charles Malik (President of the United Nations General Assembly) to invite him to speak at a University Meeting this spring or next fall on a subject of his choosing. He mentioned that he will be speaking at UCLA on March 23rd as part of their Charter Day festivities. I indicated that it might not be appropriate to schedule a talk in Berkeley close to that time because of all the Charter Day activities here. We left it that he will let me know if he plans to come out to the West Coast and I will let him know if some specific occasion that might be appropriate arises.

Dan Wilkes dropped by at 2:30 p.m. We briefly discussed my interest in finding a position for Vic Schmidt and Dan's reasons for feeling that we ought to exercise special care in selecting a place for him that will not open us up to criticism in the Chancellor's Office. A job here would, in his opinion, make me vulnerable to accusations of a "payoff" and suggestions that I am being "svengaliied" by Vic if there are future problems with athletics. I

fully appreciate his argument that Southern California schools might attribute any position disagreeable to them to Vic's influence, whether or not his job description bore any relationship to athletic matters. Therefore, I intend to heed the warning and try to help him find a place outside of my immediate staff. We should also be prepared to answer questions from the press, if he should find a job here.

Dan and I also discussed the letter I received from Harrison Brown asking me to serve as a member of the Advisory Committee on Science and Technology of the Democratic National Committee. Dan thinks it would be a bad idea for me to commit myself publicly this way. He told me that none of the other members of the various advisory committees are heads of universities and, therefore, it is possible that my membership would attract a lot of attention. He promised to summarize his arguments for me by drafting a letter which I could use to turn down the invitation. I think I will discuss this further with Ed Pauley at the next Regents Meeting and get his advice.

Saturday, January 17, 1959

As I often do when I find the time, I played basketball with the kids this morning, using the basket hoop that I have set up at the back end of our driveway. In the evening I went to see the Cal Bears' basketball game against Stanford in Harmon Gym. Last night the Bears lost to the Indians, 56-53, due to their inability to score from the foul line. The Bears played a great game today, defeating the Indians, 67-46. They were shooting 54% from the floor and Buch, Fitzpatrick and Imhoff made 18 of 26 field goal attempts between them.

Sunday, January 18, 1959

As I usually do on Sunday morning, I read our morning San Francisco Chronicle with some care. I also worked on the speech that I am scheduled to give when George de Hevesy receives the Atoms for Peace Award in New York on January 29th. (I have a draft prepared for me by Earl Hyde.) Last week I received a letter from David C. Whitney (Managing Editor of the The World Book Encyclopedia), asking me to revise a number of my short articles on synthetic elements. This afternoon I prepared the requested revised articles on plutonium, americium, curium, californium, mendelevium, technetium and a new article on fermium.

Monday, January 19, 1959

Fall Semester instruction ended on Friday and today is the first day of final exams. There is the usual exam time hush around campus, as students suddenly become deadly serious. I began the day by greeting Russell Millar, a new staff member in the Chancellor's Office. Millar will serve as an administrative assistant and will take over some of the writing duties formerly performed by Dorothy Gardner Powell. I welcomed him to the Berkeley campus and introduced him to other staff members. Kitty Malloy will help him to get oriented.

I then spent some time with Anna Carol going over some correspondence. Lionel Viales had dropped off several letters to museums and science centers he wants to visit in Europe, asking for cooperation, etc., which I signed.

I also signed a letter to John Phillips (Berkeley City Manager) agreeing to the proposal to make one-way street pairs of Bancroft and Durant, Dwight and Haste, and Fulton and Ellsworth, following the recommendation of the Campus Planning Committee.

I dictated a letter to Adrian Kragen (Chairman of the Special Fraternity Problems Committee) assuring him that the Berkeley campus administration is aware of and concerned about the problems caused to fraternities which will need to be relocated as a part of the Berkeley expansion program. I noted that the uncertain timing of the building program makes advance planning more difficult; nonetheless, we have made a commitment to try to give fraternities more than one year's notice of our plans. I also stated that I am asking Sandy Elberg (as the new Chairman of the Buildings and Campus Development Committee) to work closely with him "so that the solutions reached will be in the interest of both the fraternities and the University" (which I accomplished by copying Elberg).

I also wrote to Detlev Bronk, expressing my delight that Dag Hammarskjold will also be participating in the ceremony on January 29th presenting the Atoms for Peace Award to George de Hevesy. I informed him that I will speak for about 20 minutes on the scientific significance of de Hevesy's work and that I have already forwarded a copy of my remarks to Mr. Leggett. I declined his kind invitation to me and Helen to stay at the President's House while we are in New York, explaining that our schedule "is going to be so chopped up that we do not feel we should impose on you as house guests during our stay."

At around 11 a.m. I went up on the Hill to visit with members of the Nuclear Chemistry Division and catch up on what has been going on there before the regular "brown bag lunch" meeting. After the meeting I also stayed a bit longer to further discuss research progress with my grad students, Vic Viola, Marshall Blann and Glen Gordon.

I returned to my campus office at about 2 p.m. and met with Hugh Taylor (of the Chemistry Department at Princeton University and President of the Woodrow Wilson Fellowship Foundation) at 2:30 p.m. He told me that the Ford Foundation gave them $24.5 million for the Woodrow Wilson Fellowship Program over five years. (They are now in their second year.) Science students are now eligible for the program but Taylor wants to keep the total awards in this category under 25%. He told me that our Chemistry Department generally applies only for NSF or WWF grants and that he does not like that, because he feels that it places a lot of pressure on them to come through. I asked him to talk to Ken Pitzer about this complaint. He also asked me what the average time to obtain a Ph.D. is on our campus. I told him that it varies from three years in Chemistry to more than six years in some of the humanities and social sciences. I promised him more accurate information. Millar's first assignment in his new job will be to check with the Records Office about this. I will also ask the deans informally to give me some estimates for their schools and colleges at the next CAAC meeting.

At 3 p.m. I met with Maurice Moonitz and Eugene Burness to talk about the Executive Program at the School of Business Administration. They asked me for suggestions for participants in the scientific and technical seminars they will hold in June. I suggested that they speak with department chairmen and with Lincoln Constance. They should probably also pay a personal visit to Ed McMillan for suggestions of Lab personnel.

I met with Catherine Landreth of the Home Economics Department at 3:30 p.m. Professor Landreth is Chairman of a special committee appointed by then-Chancellor Kerr, Committee to Consider a Group Major on Community and Family Living, and wished to discuss their report informally before going on sabbatical. The history, as I understand it, is that the Home Economics major is in the process of being phased out. (This is the last year for Freshman courses, next year will be the last for Sophmore, etc.) Landreth's committee was asked to develop a curriculum for the new major within the College of Agriculture (the logic of which she questioned). They have developed a list of courses which might be applicable but have been unsuccessful in finding a department interested in offering the major. Therefore, their report has been postponed many times.

She told me that the committee has spent considerable time in discussing the larger question of the role of women in the University- which they feel arose naturally from the proposal of such a major. Among the questions, they have been discussing are:

1) Why are there only half as many women as men studying on the Berkeley campus "in view of the fact that intelligence is not genetically determined by sex"?

2) What causes the distribution of women and men in various departments to be as it is?

3) What is the obligation of a state university with respect to educating women?

4) How can women be given equality of opportunity at the University in light of Question #2?

These discussions are certainly an extension of the original assignment of the committee. However, I tend to agree with Professor Landreth that such discussions would have value to the University in the near future. I do not feel inclined to give that assignment to this committee or to push further on the Community and Family Living major. I told Landreth that I will not require a formal written report; the verbal one will suffice.

At 4 p.m. E. T. Grether, Aaron Gordon, Ray Bressler, Errol Mauchlan and I met to talk about various ways that we might protect ourselves from raiding by other schools in the fields of Business Administration or Economics. Very attractive offers have been received by Frederick E. Balderston (from Harvard), Dow Votaw (from Stanford), Walter Galenson (from Michigan State), Hector R. Anton (from Minnesota) and John W. Cowee (the deanship at Texas). Additionally, our comparatively low salary levels have resulted in a number of refusals of offers to come to Berkeley. Berkeley not only cannot compete salary-wise, but also our Business Administration philosophy is getting a national reputation of being too conservative. I expressed great concern, suggested that special efforts be made to give accelerated promotions (especially to Balderston and Votaw), and that the situation be reviewed urgently with the Budget Committee.

Ted Sherburne called me at 4:45 p.m. to let me know that Roger Revelle is developing a proposal for a television series on oceanography for the Educational Television and Radio Center (now re-named, I believe, the National

Educational Television Center). Ted wanted to ask me if I would be interested in doing some films for American television when and if I go to the USSR. He suggested doing five or six half-hour films, which would, of course, require travelling with quite a large technical crew. I told him that I will think about it, advising him that I have no plans at present to visit the Soviet Union in the near future. I asked him to send me any ideas he has before the next Board meeting of the Educational Television and Radio Center at the end of the week.

When I arrived home Helen told me about her activities today. In the morning, at 10 a.m., she attended a meeting of the Furniture Committee for the Strawberry Canyon Clubhouse at the Buildings and Grounds Building at 2000 Carleton Street. After the meeting she met Betty Helmholz there and, as Betty's guest, attended a meeting of Town and Gown at their clubhouse on Dwight Way.

Tuesday, January 20, 1959

I read my correspondence first thing today, preparatory to a day of appointments and meetings. Norm Topping wrote in response to my letter to him of January 6th, in which I thanked him for his hospitality as a golfing host during my trip to Los Angeles and enclosed a newspaper clipping describing their NCAA sanctions. He assured me that they are reorganizing their athletic and alumni policies so that this kind of thing couldn't happen again, and invited me to play golf with him again on my next visit to the southland.

I read a letter from George Papenfuss (Chairman of the Department of Botany) suggesting that the University administration explore with the State Division of Beaches and Parks the possibility of locating our proposed Marine Biological Center at Asilomar. He reminded me that the site search committee expressed a preference for a site in the Monterey Bay Area, recognizing the probable necessity of abandoning plans for Bodega Head in view of the plans of PG&E to build a nuclear power plant on that site. In an accompanying memo, Bill Fretter suggests that I write to Newton Drury (Director of the Division of Beaches and Parks) suggesting that Papenfuss and he (Fretter) come to Sacramento to talk with him about possible sites. I okayed his draft of a letter to Drury and also wrote Fretter a note, suggesting we keep in mind the possibility of associating this Center with a new University of California campus in the area.

A memo from Lincoln Constance suggests that any recommendation for a salary increase for Professor Choh Hao Li should come from the San Francisco campus because he was removed entirely from the jurisdiction of the College of Letters and Science by regential action last summer.

I also read the report of the Advisory Committee to the Registrar, signed by William B. Fretter (Chairman) with copies to committee members, J. M. Cline, S. P. Diliberto, J. A. Jenkins, K. Aschenbrenner, S. Webber and R. King. The Committee includes among its recommendations the suggestions that the Registrar always accept the recommendation of a dean or assistant dean in particular cases, or else take the matter up with the dean himself and not expect the student to do so; that the authority of the Registrar in certain fee cases should be continued; and that faculty members adopt a standard form and procedure in cases where they are responsible for the missing of deadlines by students.

From Garff Wilson came a memo outlining plans for a Charter Day-Inauguration Day dedication luncheon in the Clubhouse of the Strawberry Canyon Recreational Area on March 20th, and the problems involved in the event. After discussing several possibilities, he recommends a small, nicely appointed and nicely served luncheon at the Clubhouse, to include Regents and the Haas family, to be followed by the Charter Day Ceremony in the Greek Theatre, at which I will be inaugurated as Chancellor, and then by a large reception in the Clubhouse where many guests can be accommodated. I agreed with the plan, but suggested that Clark Kerr also be consulted.

I read a memo from Dan Wilkes making recommendations regarding public relations matters. He says they need more secretarial help, more telephone lines and instruments and a duplicator and that he needs a better location for his office, the title "Assistant to the Chancellor", a salary increase and better liaison with the San Francisco campus. I indicated my agreement that all of these needs should be met.

I wrote to Robert W. Smith (Chairman of the Commencement Committee, Long Beach State College) regretting his invitation to deliver the commencement address at Long Beach State College on Friday, June 12, 1959.

At 10:45 a.m. I received a call from Tom Cunningham (General Counsel of the Regents) regarding the agenda for the February 6th meeting of the Intercollegiate Athletic Advisory Council, for which he serves as Chairman. I agreed to comment on the proposed National Athletic Conference, if he wants me to speak at all.

At 11 a.m. I met with representatives of the General Electric Company to discuss the company's grant program of 50 fellowships in chemistry and physics for secondary school teachers in 14 Western states, arranged for and accompanied by C. Tod Singleton (Head, Berkeley Engineering and Sciences Extension). The G.E. group consisted of C. C. Walker (Vice President in charge of Western Operation), J. Bertotti and G. A. Rietz (Office of Educational Relations and Support, New York), D. Lynch (Manager, Oakland Plant) and E. Bradford (Training Director of the Oakland Plant and General Electric Coordinator of the Fellowship Program). The purpose of the visit was to acquaint me with the program.

From 11:15 a.m. until noon I had my regular meeting with Lincoln Constance. I suggested that we should go ahead with the Dramatic Arts Department on the assumption that it is here to stay, pending a review by the Academic Advisory Committee (AAC). I asked him to look into the possibility of requesting that Travis Bogard serve as Acting Chairman to succeed Fred Harris.

Constance left me with the proposal of Charles Aikin that Harry S. Truman be brought to the campus in one guise or another. He also indicated his view that the University might profit by being represented at the annual meeting of the Western College Association, at least occasionally, by the Chancellor(s) and the President, rather than by deans. I said that I plan to send Vice Chancellor Strong and possibly Dean Stewart this year. Lincoln indicated his wish not to attend this year, after having participated actively the past two years.

Starting at noon I presided over the brown bag luncheon meeting of my Cabinet in the Chancellor's Conference Room. This was attended by Fretter, Hart,

Malloy, Mauchlan, Sherriffs and Strong. Among the items we discussed were the agenda for tomorrow night's meeting of the Council of Chief Campus Officers in San Francisco, the possibility of inviting Harry Truman to the campus under the Jefferson Fund (which pays an honorarium of $1,000 and another $1,000 upon receipt of a manuscript), the needs of the Public Information Office as outlined by Wilkes (which Mauchlan will work on), the letter to President Kerr recommending that honorary degrees be awarded to Glenn Dumke, Easton Rothwell and Edward Tolman at my inauguration as Chancellor in March, the proposal to invite Wilhelm Grewe (German Ambassador to the United States) to speak at the April University Meeting, preparations for the hearing on our 1960-61 budget to be held on March 2nd, the Major and Minor Capital Improvements Program with the suggestion that the Linguistic Laboratory and the Photosynthesis Laboratory be moved up on the list, my report on the meeting of the Board of Directors of International House last week, a statewide policy for student government described by Sherriffs, Wellman's directive on transfer of units and credit points from University Extension to campuses of the University (controversial because the views of the special faculty committee on University Extension were not sought), law school salary scales (which Ed Strong will discuss with Ray Bressler and three past chairmen of the Budget Committee) and registration problems.

At 2:30 p.m. I met with Sandy Elberg and C. W. Brown to discuss space and building problems. I told them that we discussed the priority lists in our Cabinet meeting today and decided that the Linguistic Laboratory should probably be advanced to the 1960-61 budget. They want to rebut the statewide planners' recommendation that we not provide a new building for Biochemistry at this time and will send me a suggested memorandum to Harry Wellman on this. They disagreed with Melvin Calvin's complaint to Ken Pitzer that he has been squeezed out of two or three rooms in the Life Sciences Building; I suggested we wait before taking action on this. They wish to have Roy Routsong transferred to the Chancellor's staff and assigned to assist the chairman of the BCD Committee; I said that we cannot increase the Chancellor's staff. (After the meeting I asked Kitty Malloy to discuss this with Louis DeMonte with the view of keeping him on DeMonte's staff with assignment to the BCD Committee.)

At 3 p.m. I met with Law School Dean Bill Prosser at his request, along with Ed Strong, to discuss Prosser's insistent demands that the salaries of Law professors be increased in order to meet the competition. They are having trouble holding faculty against raids from other universities and in competing for new faculty. This is a problem that I shall have to work on.

During the evening Helen took Pete to an ice skating party for the Boy Scouts at the Walnut Creek Ice Rink (at North Main St. and Crokaerts Road).

Wednesday, January 21, 1959

This morning I went directly to the Radiation Laboratory for a 9 a.m. meeting of the Associate Directors. Then I went by the Nuclear Chemistry office where I signed a letter to David C. Whitney (Managing Editor, World Book Encylopedia), enclosing my revised articles on americium, californium, curium, mendelevium, plutonium and technetium and the new article on fermium.

I then went to my Chancellor's Office in Dwinelle Hall and began my day there by looking over a number of memoranda. One, from Jim Hart, commented on the

implications of Professor Landreth's comments to me at my meeting with her on Monday. Jim concludes that, as a result of this meeting and the fact that a department to house the new major in Community and Family Living has not been found, this matter should now be dropped. He suggests that since there doesn't appear to be any discrimination against the admission of women to the University or to departments within it, the emphasis on this issue is irrelevant. He says that since Dean Constance and Dean Stewart both served with him in the study of the Department of Home Economics and the attendant proposal to create a new group major, he assumes that I will wish to inform them of the results of my appointment with Professor Landreth and of his views. This I shall certainly do.

Another memorandum came from Tom Cunningham in response to my memorandum to him of January 6th regarding the establishment of sites for fraternity houses on the Berkeley campus when they are relocated. The suggestion has been made that three fraternities (Phi Kappa Psi, Beta Theta Pi and Chi Phi) be relocated on that portion of the campus directly southeast of Bowles Hall. He says that this matter has been discussed on several occasions at meetings of the Regents' Committee on Grounds and Buildings and that he has pointed out, from time to time, certain legal objections to the proposals to find space for these displaced fraternities to build new houses. He also pointed out that there are a number of other fraternities that have the same problem. He identified four distinct problems:

1. The University of California is a public trust administered by the Regents as trustee and hence the Regents may not make a gift of any portion of the trust assets.

2. The proposed arrangement might subject the University to a charge that it is violating the U.S. Constitution in that it is denying equal protection, as set forth in the 14th Amdnement, and also acting contrary to the State public policy.

3. The leasing of campus property to the fraternities could prejudice future condemnation actions by the University.

4. It may be very poor public relations to lease campus property to fraternities while condemning private property which surrounds the University campus.

I also read a memo from C. W. Brown (Chairman of the BCD Committee), which essentially agrees with Cunningham's opinion and recommends that Cunningham's letter be sent to Adrian Kragen for his reaction.

I also read two memoranda concerned with the problem of space for the Biochemistry Department and the Virus Laboratory. One, from Harry Wellman, points out that he and Clark Kerr were parties to an agreement in 1955 concerning space in the Biochemistry-Virus Laboratory Building. The essence of the 1955 agreement was that the space then occupied by the Department of Plant Biochemistry and the conversion of space in Giannini or Hilgard Halls for Plant Biochemistry was to be undertaken following the completion of the Statewide Office Building. Wellman then described the changes that have occurred since that time, including the appointment of Esmond Snell as Chairman of the Department of Biochemistry. He said that in a recent conversation with Wendell Stanley and Snell, neither had interest in an assignment of space in Hilgard Hall upon completion of the renovation of that

building (which will not be completed before the winter of 1960-61). He said that the Berkeley campus administration is at liberty, so far as the agreement is concerned, to allocate the released space between the two units, according to its judgement of their comparative needs.

The other memorandum, from C. W. Brown, comments on the arguments presented by statewide planners in recommending against a new building for the Department of Biochemistry. Brown complains about the short range view of planners. He points out that buildings cannot be programmed at the campus level simply in terms of square footage. Academic interrelationships are involved as well as the personal research programs of faculty and these factors are very important to determining the location of departments and the timing of their relocation to newer expanded quarters. He points out the importance of adhering to the campus' long range academic and physical plans and variations from the plan should be made only under extreme conditions.

I signed a number of letters and memoranda. One memorandum concerning the location of their 650 Computer which will be used in social science fields went to E. T. Grether (Dean of the School of Business Administration). I pointed out that Sandy Elberg has recommended that a formal application be made for the amount of space needed for the project and that when the details of the project are known, the Space Utilization Committee can study the problem and suggest a location.

Next I signed a letter to T. Keith Glennan (Administrator of the National Aeronautics and Space Administration [NASA]) with a carbon copy to Otto Struve (Chairman of our University of California Committee on Space Sciences). I told Glennan that our Committee on Space Sciences is recommending that the University of California get involved in this new field and the Committee is now preparing a proposal for the establishment of a Space Sciences Laboratory on the Berkeley campus. I said that we would like to direct the proposal for financial support to NASA and asked how the proposal should be directed and in what detail individual, specific experiments should be described. I inquired whether it would be possible for a member of the Committee to speak informally with someone in Keith's organization concerning the proposal by the University.

In response to a letter from Jack J. Bulloff (Battelle Memorial Institute) inviting me to become a candidate as President-Elect and President of the American Chemical Society for 1960 and 1961, respectively, I wrote that due to the pressure of my schedule, I must decline this invitation.

Another letter went to Harrison Brown (Division of Geological Sciences at Cal Tech) in response to his letter of January 12th, inviting me to become a member of the Advisory Committee on Science for the Democratic National Committee. I said that, in view of my present position as Chancellor, I do not feel that I should become publicly identified with one of the political parties in such an intimate way and, therefore, am declining his invitation.

I signed a memorandum to Harry Wellman (in his role as Acting President during Clark Kerr's absence) suggesting people who might receive honorary degrees on March 20th, on the occasion of the 91st Charter Day and my inauguration as Chancellor of the Berkeley campus. I recommend that honorary degrees be granted to Glenn S. Dumke, Charles Easton Rothwell and Edward Chase Tolman. I included brief descriptions of the accomplishments of these distinguished scholars.

At 11 a.m. I interrupted my activities to take a call from Ed Schoenfeld, the sports writer for the Oakland Tribune who is so talented in his ability to ferret out inside information involving the athletic departments of universities. He told me confidentially that Norm Topping of USC has summoned his key athletic personnel to a meeting today to discuss athletic policy. This obviously has to do with their recent citation by the NCAA for rules violation. He also told me that rumor has it that Wilbur Johns (Director of Athletics at UCLA) may switch jobs and become director of the new sports arena in Los Angeles.

At noon I attended a surprise farewell lunch for C. W. Brown in the Chancellor's Conference Room.

At 3 p.m. I held an informal meeting in my office of some of the members of the E. O. Lawrence Memorial Committee. Present were Regents Gerald Hagar and Jesse Steinhart, LBL Director Ed McMillan and Lionel Viales (the newly appointed coordinator of the project). I introduced Viales and indicated that he has undertaken to visit several science museums and meet their directors in order to gather information. We had a brief discussion of the plan to have the biography of Ernest Lawrence written. Dan Wilkes (science writer for Berkeley campus) was suggested as one who could write the biography because of his long association with the Radiation Laboratory scientists. There was a brief discussion of the site for the Lawrence memorial, centering largely on the proposed site below the Radiation Laboratory. Albert Chapman (President of Eastman Kodak Co.) was suggested as an addition to the Committee and it was agreed that I will request that Regent Don McLaughlin invite Chapman to join the Committee. We discussed the preparation of the brochure describing the Lawrence memorial; we hope that this will be ready by April or May of this year. It was agreed that the next meeting of the full committee will be held on March 11, 1959, at which time Viales will report on his findings and on recommendations for the contents of the proposed brochure. The financing of the memorial was also discussed.

Kitty Malloy told me that she has spoken with Louis DeMonte and he agrees that, as requested by C. W. Brown and Sandy Elberg yesterday, Roy Routsong can be kept on his staff but transferred to the Building and Campus Development Committee to assist the Chairman.

I drove to the UC Medical Center in San Francisco, where I went to the Faculty Club of the Guy S. Millberry Union to attend the dinner meeting of the Council of Chief Campus Officers (CCCO), presided over by Acting President Harry Wellman. The meeting began after the dinner, at about 8 p.m.

Wellman first told us that budget information for the next fiscal year will be required by February 12th. He said that we won't need as much detail as in the past, but will want information on the faculty workload, proposed improvement of programs and proposed new activities.

A number of routine items were acted upon, establishing policy for payment of travel expenses to visiting appointees, the use of sabbatical leave replacement funds, courtesy parking on campus, educational aid to faculty children, the division of vocational education and maintenance of present sabbatical leave policy for CCO's.

On the matter of summer faculty fellowships, we were told that the President will allocate the number of fellowships available to each campus and then each

campus will make its own choices, after which he will notify the selectees. Wellman told us that the International Cooperation Administration (ICA) wants a two-year minimum for appointments to the ICA. The University may not be able to furnish people to the ICA if this rule is insisted upon so this matter will be studied further after consulting with the CCO's.

We talked at some length about communication between statewide officers and the campuses. Under the proposed plan of decentralization, all administrative officers on each campus are to be under direct line relationship to the CCO, which means the CCO must assume considerably larger responsibility. This means that the CCO also assumes direct responsibility for the administrative units and must develop reporting patterns and lines of communication. To a great extent, communications which hitherto went directly from the statewide to the related campus office will now be channelled, when involving matters of importance, through the President to the CCO's.

There was also consideration of a UCLA alumni proposal asking for University financial support.

Since I will not be attending the next meeting of the Chancellor's Cabinet next Tuesday (because of my trip to New York) I took notes at the meeting which I will pass on to Kitty Malloy so she can report the actions at our Cabinet meeting.

After the meeting John Saunders (CCO of the UC Medical Center) talked to me. He asked if the San Francisco campus might borrow Joan Rafferty, our manager of the campus cafeteria, for three or four weeks to help run their cafeteria, which is in debt and in trouble due to mismanagement. I indicated that this would be possible and will speak with Kitty in order to make necessary arrangements through Bob Kerley.

Thursday, January 22, 1959

When I arrived at my Dwinelle Hall office this morning, I signed a number of letters before departing for the Regents Meeting in San Francisco. I signed a letter to J. Frederick Seulberger, responding to his invitation to me to attend the next meeting of the Fraternity Alumni Advisers Council (for which he serves as President) to be held at Spengers' on April 22nd. I accepted on a tentative basis, saying that I will attend if my schedule permits. I did this on the advice of Thomas B. Dutton (Assistant Dean of Students) and Vice Chancellor Alex Sherriffs.

I also signed a number of letters to visiting faculty, thanking them for the teaching services they rendered to the University during their stay here last semester. One letter went to Heinrich Kuhn, who visited and served in the Department of Physics on leave from Oxford University. Similar letters went to Frederick W. Bateson, Department of English (also from Oxford), to John L. Austin, Department of Philosophy (Oxford, again), Hans E. Thalmann, Department of Paleontology (Stanford University), and Edward Heimann, Department of Economics (John Hopkins University).

I also signed a letter to Clark Kerr, in which I support the request from Raymond Bressler (Chairman of the Berkeley Budget Committee) and Theodore Vermeulen (Past Chairman of the Berkeley Budget Committee) that Nora Moylan (Administrative Assistant for the Budget Committee) be reclassified as Senior

Administrative Assistant. This reclassification has been turned down by Lewis Perry in our Berkeley Personnel Office and appealed, unsuccessfully, to Boynton S. Kaiser of the Statewide Personnel Office. Bressler and Vermeulen both feel strongly that Nora Moylan's responsibilities merit reclassification and I agree with them.

I signed a letter to Harry Wellman passing on C. W. Brown's comments on the Campus Planning Office's analysis of the proposed Biochemistry Building which led them to disapprove of its construction. This letter incorporated many of the arguments that were spelled out in the memo to me from C. W. Brown and Sandy Elberg.

Another memorandum to Harry Wellman enclosed an awards citation for the Berkeley residence halls, received by Warnecke & Warnecke, the architects; the citation was given by Progressive Architecture magazine at an awards dinner in San Francisco on January 16th. I suggested that Wellman bring this award to the attention of the Regents at the February meeting.

Frank Kidner rode with me to San Francisco to attend the meeting of the Regents in his role as Vice Chairman of the Academic Senate, in order that we might have a discussion en route. He told me that he is resigning his position as Director of the Bureau of Business and Economic Research and that he has informed Andreas Papandreou (Chairman of the Department of Economics) and E. T. Grether (Dean of the School of Business Administration). He suggested that the Indonesia project be moved from the Bureau as of July 1st, the effective date of his resignation as Director of the Bureau and that people from Business Administration be involved in the choice of his replacement. Frank said that he will talk this with over with Clark Kerr very soon; I gave my approval for his plans.

We went to the Crocker Building in San Francisco, where we went to Room 918, to attend the meeting of the Regents Committee on Educational Policy, which began at 10 a.m. Regents Carter, Chandler, Boyd, Hansen, Hearst, Naffziger, Steinhart, Vaughn, McLaughlin and Pauley were present. Also present were Vice President Wellman, Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President-Business Affairs Corley, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellor Spieth, Provost Saunders, Vice Chancellor Noble, Vice Chancellor Knudsen, Dean Sheats, Director Revelle, Associate Secretary Woolman, Assistant Vice President Oswald, Drs. Kidner, Lasier and Page and Maynard Morris of the Office of Public Information.

After discussion of a number of items, including University museum policy, the Committee went into Executive Session to hear my report on the recruitment of promising young scientists. I began by advising the Regents that in September I had received a memorandum from President Kerr, calling attention to an article in Esquire magazine entitled "Bright Young Men in Science", written by the President-Elect of the American Association for the Advancement of Sciences. The article reviewed the names and accomplishments of 11 bright young men in science under the age of 36. Kerr was concerned that the University of California, statewide, did not have a single name on the list and asked me for my evaluation of the authenticity of the list and of why the University failed to recruit young men of this caliber. Kerr asked me, after I had considered this matter, to make a report to the Regents Committee on Educational Policy.

I began by stating that 10 or 15 years ago any such list would have included several people under the age of 36 from the University of California. However, now our eminent scientists are in the 40-50 years old bracket, which I believe is a very serious matter. I said that the basic problem is one involving money. Talented young men are being offered between $15,000 and $25,000 for nine months regular academic appointments. (This is particularly true in Physics, and to a lesser extent in Chemistry and Mathematics.) The University of California has had to meet this problem of salaries on several occasions and while it has not been able to offer as much as $25,000, it has not lost anyone yet but there is danger in the future. I illustrated such recruiting problems using an example of a 32-year-old scientist which the Radiation Laboratory and the Physics Department would like to lure to the campus. However, this man is being offered $20,000 by other institutions and it will take a most unusual step for the University to go above $14,000 (which is two steps above the maximum of the full professor range).

I said that I can offer no solution to the problem and, in fact, expressed doubt that there is a completely satisfactory solution. To raise salary levels for a few might offend the colleagues they are joining, yet it might be necessary for the University to do this to recruit particularly outstanding candidates. In response to a question from Regent Carter, I said that while there is no disparity in salary scales between the various departments of the University, there is a difference in the distribution of men at the different salary ranks. For example, in the Department of Physics there is a much higher proportion of people in the professorial ranks and in the above-scale salary brackets than, say, in the foreign language departments.

I mentioned that another aspect of the problem is that departments other than the sciences are beginning to experience the same type of competition. For example, people in the field of management science in the School of Business Administration are commanding very high salaries. Young people in this field are being offered between $15,000 and $20,000 and a similar situation exists in the field of Law. Regent Boyd asked whether the current situation could be improved if we upgraded laboratories and facilities. Regent McLaughlin replied that the University's facilities represent the best attraction now. Director Revelle feels that the most important factor is the caliber of colleagues, because a scientist is interested in working with outstanding people in his own field.

Regent Carter asked if there would be any merit in creating several so-called Regents Fellowships for the purpose of supplementing the regular income of particularly brilliant men of 36 and younger. Regent Pauley endorsed this suggestion and Regent Carter also commented that the problem goes back to the high school level and expressed the opinion that the University should be more aggressive in its recruiting of the top high school graduates.

I also drew attention to the importance of fringe benefits and pointed out that some institutions are now offering such things as free pensions, tuition for children of staff members, housing and so forth. It was the consensus of the members of the Committee on Educational Policy that a study of the entire problem should be made and that Knudsen, Saunders and Revelle and I should be asked to conduct such a survey and present a definitive program to the Committee at a later date.

I told Regent Ed Pauley about yesterday's meeting of the Lawrence Memorial Committee and informed him of the proposed date for the next meeting in March.

As a result of my appointment as the chairman of the committee to consider the problem of bright young scientists I held a luncheon meeting with Saunders and Revelle (Knudsen was absent) in the Palace Hotel. We came up with a number of ideas:

1) Chancellors should make a countrywide survey in order to locate such bright young scientists.

2) Chancellors should have authority without the review of the Academic Senate Committee for the appointment of a few outstanding people (perhaps about 2% of all appointments).

3) Regulation 4 should be revised so that it would be possible to provide three months supplementary salary for summer employment.

4) Chancellors should be allowed to make a few offers at high salaries (such as $20,000 to $25,000).

5) Fringe benefits should be increased.

I asked the members of the committee to send me their suggestions.

During the luncheon meeting Roger Revelle informed me of some of his amazing recruiting efforts for the campus at San Diego. He told me he intends to make offers to Ken Watson, who has recently joined our Physics Department at Berkeley, and Daniel Mazia, one of our bright young professors in the Department of Zoology. He is also considering offering Bill Fretter the position of Vice Chancellor at San Diego. He said that he has acquired Keith Brueckner (a theoretical physicist from the University of Pennsylvania); I have the impression that he offered him $18,000 for a nine month academic year. He has also made an offer to Murray Gell-Mann (the theoretical physicist at Cal Tech) at a level of $20,000. He told me that David Pines (a theoretical physicist at the Institute for Advanced Study at Princeton) has declined an offer from UCLA at the $15,000 level. He told me that he will probably offer Don Glaser (inventor of the bubble chamber at the University of Michigan) $15,000; this is of special interest to us because we are planning to try to lure Glaser to Berkeley. The raiding efforts being contemplated by Roger are rather serious; I intend to let Berkeley people know so that we might take adequate protective measures not to lose these people.

After we returned to the Crocker Building at about 1:20 p.m., I had a conversation with Provost John Saunders. He said that he thinks he can work out a satisfactory arrangement for Choh Hao Li, who is transferring to the San Francisco Medical Center. He said he may make him Director of the Hormone Laboratory, if this is okay with me and with Clark Kerr. I said that it would be okay with me. Regarding the controversy over the equipment, Saunders said that the material claimed by Sherburne Cook belongs to the Medical School and that he has already told Lincoln Constance and Harry Wellman this.

I attended the meeting of the Regents Committee on Grounds and Buildings in Room 918 of the Crocker Building, beginning a little before 2 p.m. The Regents present were Steinhart, Merchant, Boyd, Carter, Chandler, Hansen, Hearst, Storke, McLaughlin and Pauley, who are members of the Committee, and also Regents Hagar, Mosher and Olson. The other attendees were about the same as those who attended the meeting of the Committee on Educational Policy this

morning. The Committee members approved for recommendation to the Full Board of Regents the proposal that a bust of A. P. Giannini be placed in the entrance lobby of Giannini Hall on the Berkeley campus. President Wellman recalled that Mr. Giannini gave the University $1 million to endow the Giannini Foundation of Agricultural Economics and $500,000 for the construction of the present Giannini Hall.

Of special interest to me, the Regents approved a 50-year lease to the Atomic Energy Commission of the property in the Radiation hill area lying south of the Chemistry Building (Building 70) on which the addition to the Chemistry Building (70A) is to be constructed. The addition is estimated to cost $2 million and will be constructed with funds allocated to it by the Atomic Energy Commission. The AEC requires this understanding that there will be a lease before they will approve the allocation of the funds.

At the present time the AEC holds a 50-year lease on property in the Wilson Tract on which the majority of the Radiation Laboratory buildings are constructed and a three-year lease on certain other property south of the Wilson Tract, the title to which property carries reversionary interest. However, the property on which the Chemistry Building addition is to be constructed is a portion of that included in the original College of California grant to the University and this property carries no reversionary interest although the land must be used for educational purposes. I made the point that the use of the Chemistry Building addition will be entirely educational since graduate students will be using it in connection with work at the Radiation Laboratory. Regent Carter, seconded by Regent Hearst, made the motion that the Committee approve the recommendation and recommend it for approval by the Full Board of Regents.

At about 3 p.m. I showed Regent Pauley my correspondence with Harrison Brown regarding the invitation to become a member of the Advisory Committee to the Democratic National Committee; he agreed with my decision in this matter.

At about 3:15 p.m. I had a talk with Regent Hagar. I told him that Alex Sherriffs, Bill Shepard and I all feel that he was on the right track when at the meeting of the Board of Directors of International House he supported the location of the Foreign Student Advisor with the Dean of Students. The Foreign Student Advisor has been under Director Allen Blaisdell of International House, but this led to some difficulties recently. Hagar said that he had dinner with Ex-President Robert Gordon Sproul last night and Sproul also indicated that he is glad that Hagar has taken this stand. Sproul said that he always felt this way but he would have found it difficult to say so under the circumstances. Hagar said that he will carry the ball on this at the next meeting of the Board of Directors of International House.

I drove directly home after the Regents Meeting and then, after dinner, read a number of papers and memoranda. I read a memorandum from Ellis J. Groff (Budget Officer of the Office of the President) responding to my request for replacement of Department of Physiology equipment transferred by Sherburne Cook to San Francisco. Groff said that Harry Wellman is prepared to approve the transfer of $6,500 from the President's provision for contingencies to meet the most pressing needs for replacement of equipment removed from the Berkeley Physiology Laboratory to San Francisco. This is only half of the request made by Cook, but Groff quoted Leslie Bennett (Chairman of the San Francisco Department of Physiology), who said that the remainder of the equipment was never available for teaching at Berkeley. He said it would

be necessary for us to provide adequate justification for these other items since the move to San Francisco is apparently not the reason for their proposed acquisition.

I also read a heartwarming letter from Thomas B. Hess (Longview Foundation, Inc.) offering to the University of California, Berkeley, a cash grant of $15,000 payable in 1959 to be used this year by the University to purchase contemporary American painting and sculpture, all as outlined in the letter. The Foundation has an Arts Selection Committee which will recommend the artists and specific paintings and sculpture to be acquired by us with the proceeds of the grant. A representative of the University may participate in the meetings of the Arts Selection Committee and thus be in a position to approve the selections. The works of arts and sculpture we purchase from the grant will be the University's property absolutely. In order to round out the nucleus collection which will be acquired from the 1959 grant, the Foundation will undertake to grant us an additional $5,000 per year for 1960 and 1961 for further acquisitions to be made on the same basis. Hess urges us to reach a decision on this offer as soon as possible so that we can get started. It seems to me that this is something we should be very happy to receive.

I also read a long letter from Allen C. Blaisdell (Director of International House) recapitulating a number of items that were covered at the meeting of the Board of Directors on January 15th. Blaisdell suggests that Alex Sherriffs, Bill Shepard and Jack Oswald (the University members of the International House Ad-Hoc Committee) be invited to attend a meeting of the Board of Directors itself to be held in February, when the Committee report will be considered. I noted agreement with this for action by my staff. He also listed a number of other items that should be considered at the February meeting. He referred to the final recommendation of the Ad-Hoc Committee regarding the appointment of a committee from the I-House Board of Directors to give thought to the appointment of a director of International House to succeed Blaisdell upon his retirement. He suggests as members of this committee Dean Morris A. Stewart as chairman, or perhaps Thomas Blaisdell, and other members Otto Hieb, Mrs. Lousiana Shuman and Robert G. Sproul (for whom Mortimer Smith, Jr. might serve as an alternate). This committee would, of course, only have the power of recommendation to me as Vice President of the Board and through me to the Board itself. He noted that the next meeting of the Board will be held on Thursday, February 26th, at 3:30 p.m. at International House.

I also read a long, thoughtful letter from Ed Strong to a former student of his, Richard W. Jencks, responding to a letter that Jencks wrote to me on December 12, 1958, expressing concern about the projected large increase in future enrollments at Berkeley. Strong assured Jencks that a campus planning commission (referring to the CPC) has been established at Berkeley which meets monthly with representatives from the Office of Architects and Engineers and with members of the Chancellor's staff to review the styling and design of buildings and the landscaping of the campus, about which Jencks also expressed concern.

A memo from Lincoln Constance spells out a method by which he proposes to conform with the provision of the presidential memorandum of January 8th concerning acceptance by the College of Letters and Science of credit from University Extension. He said that he will permit the use of Extension courses to meet specific college and major requirements only upon the approval of the appropriate advisor. He will interpret "resident students" to cover all continuing students in good standing.

Rix Snyder (Stanford's faculty athletic representative wrote to discuss the USC violation of NCAA rules. As a member of the Council of NCAA, he was involved in the voting on this. He said that it seemed as if USC was acting in defiance of the Council because the incidents occurred while the Infractions Committee was completing its investigation. One incident involved a man named Charles who was ineligible to enter USC as a freshman but managed to enroll at USC after only one semester of junior college study. It seems doubtful to Snyder that he was even required to take the College Board Aptitude Test as a transfer student. He said that it was not correct for USC to state that they had only a few days notice of the case, because they were prepared to take action at the October meeting and it was held over in order to give USC further time to examine the situation. Snyder said that he actually made the suggestion that the Council delay taking action for two weeks and then take a vote, but the rest of the Council members did not consider that this was feasible and took action at the meeting.

Friday, January 23, 1959- Lafayette/ New York

This morning a University driver picked me up at my Lafayette home at 7:30 a.m. and drove me to the San Francisco Airport. Here I boarded United Airlines Flight #700, which left at 9 a.m. and arrived at New York International (Idlewild) Airport at about 8 p.m. I took a taxi to the Biltmore Hotel (Madison Avenue at 43rd Street) and joined my fellow board members and staff of the Educational Television and Radio Center in the Center suite. We viewed screenings of a number of educational television programs that have been produced under the sponsorship of the Center. This is in preparation for the meeting of the Board of Directors of the Center tomorrow.

I then walked to the nearby Shelton-Towers Hotel (on Lexington Avenue between 48th and 49th Streets) and checked in for the first part of my stay in New York.

Saturday, January 24, 1959- New York

After breakfast in my hotel, I walked to the nearby Carnegie Endowment for International Peace Building (in the United Nations Plaza at 46th Street) to attend the regular meeting of the Board of Directors of the Educational Television and Radio Center in the Terrace Room. Those present at the opening of the meeting at 9 a.m. were Chairman Ralph Lowell and Directors Calkins, Case, Hull, Lasswell, Michael, Starr, Stoddard, Wells, Wittcoff and White. Directors Cousins and Hazard joined the meeting at 9:20 a.m. Director Oberholtzer was absent. Also present were staff members Hudson and Yourd.

We first went through a number of routine actions, including approval of the minutes of the Annual Meeting held September 6, 1958 and of the Executive Committee on October 27, 1958, election of some Center officers, authorization to employ a Director of Development, financial report, definition of affiliation fees, etc. Jack White then made a report on the activities of the Center (new programming, etc.) since the last Board meeting. We approved a lease in the Coliseum Building for the New York headquarters of the Center. (The main production headquarters are located at Ann Arbor, Michigan.) Hazard reported on the status of the National Defense Education Act and described pending legislation which may affect the Center. Bob Hudson reported on

present and planned programming activities. White and Hudson apprised us of plans to change the name of the Center to "National Educational Television, Inc." (NET) or "National Educational Television and Radio Center (NETRC). Finally we discussed the rather complicated negotiations that are going on with the Ford Foundation for the future funding support of the Center.

I returned to the Shelton-Towers Hotel, where I had a quiet dinner alone. I did some walking along Broadway after dinner, then retired rather early. I find that I am quite tired.

Sunday, January 25, 1959

I spent the day in my hotel room, taking my meals in the hotel, trying to rest up. I find my room to be rather cold because the hotel heating is kept at a minimal level in order to conserve fuel. Perhaps my fatigue is due in part to worry over my recording session for the "Continental Classroom" scheduled for tomorrow. I spent a good deal of time planning and gathering courage for the event. More relaxing was the luxury of reading the English translation of the biography, Madame Curie, written by her daughter Eve Curie.

As a more congenial note at the end of the day, I had dinner with Jim Cobble at the Black Angus Restaurant. He is in town for consulting services to the U. S. Rubber Company and I will join him in my capacity as a consultant to the company at the company headquarters here in New York on Tuesday of this week.

Monday, January 26, 1959- New York

After breakfast in my hotel, I walked to the RCA Building, Radio City (49 West 49th Street) where I met Harvey White on the ninth floor. We went to his nearby filming studio to prepare for the filming by NBC of my appearance as his guest on one of his "Continental Classroom" programs. I am one of a number of Nobel Prize winners who will appear during March, April and May on the second semester of this very successful physics teaching series. During the first semester some 270,000 viewers watched it on 149 NBC and independent stations. The show is aired from 6:30 a.m. to 7 a.m., Mondays through Fridays.

Harvey and I worked all day setting up the props, etc. for my show, "The Transuranium Elements", which will be filmed in the late afternoon. I will show 13 lantern slides (3 1/4" x 4 1/4") to help me tell my story. We had lunch together in the building.

When I called my Chancellor's Office, Anna Carol informed me that I received a letter from George E. Probst (Executive Officer of the Thomas Alva Edison Foundation, Inc. in New York) informing me that our book Elements of the Universe has been selected for the 1958 Edison Foundation Award as "The Best Science Book for Youth" as a result of a vote by written ballot of the 62 national civic organizations participating in the Edison Awards Program. The award will be presented at the Fourth Annual Edison Awards Luncheon for Children's Books at the Waldorf- Astoria on Tuesday, February 3rd, at noon. The Award consists of a scroll and $250. I immediately called Probst and made arrangements for him to come see me at the offices of the Ford Foundation, where I am scheduled to visit on Wednesday.

Harvey and I were filmed in our half hour appearance from 4:30 p.m. until 5 p.m. I described the periodic table, touched briefly on the lighter side of the synthetic elements Tc, Pm, At, Fr, and then went into my description of the discovery and nature of the transuranium elements. I described the early work of Enrico Fermi and coworkers in 1934, the discovery of nuclear fission by Otto Hahn and Fritz Strassman in 1938, then the discovery and naming of Np, Pu, Am and Cm. At this point I described the actinide concept and the subsequent discovery and naming of Bk, Cf, E and Fm. I covered the production of transuranium elements in quantity as the result of intense neutron irradiation, then the discovery (one atom at a time) and naming of Mv, and the discovery and naming of element 102. I finally predicted the chemical properties and methods of production of future transuranium elements, using elements 103 and 104 as illustrations. I finished by showing the viewing audience a copy of my book Elements of the Universe. The filming went very well; my fears were unfounded. Harvey told me that he believes this show will be aired in May, possibly on May 29th. (I am receiving a $500 fee for my work on this.)

At 5:15 p.m., while still at NBC, I received a call from Jim Killian (Chairman of the President's Science Advisory Committee [PSAC]), extending to me President Eisenhower's invitation to become a member of the Committee. I accepted. He told me the terms of four men are expiring: Jerrold R. Zacharias, Lloyd Berkner, Caryl Haskins and Jimmy Doolittle. The Committee meets on the third Monday and Tuesday of each month. I told him that I will have to miss the February 16th- 17th and March 16th- 17th meetings but will attend the April 20th- 21st meeting.

I returned to my hotel to meet Jim Cobble and we again had dinner together in the Black Angus Restaurant. He brought me up to date on his consultations with U. S. Rubber Company people in preparation for my meeting with them tomorrow.

Tuesday, January 27, 1959

I had breakfast at the Shelton-Towers Hotel with Jim Cobble, after which I checked out of the hotel. We then walked to the U.S. Rubber Building (near the RCA Building), where we went to the tenth floor to meet, in our role as consultants, with executives and research staff. We met from 9 a.m. to noon with Vice President Wallace Cake for the first hour in his office, then with Lee White, Ros Ewart, Allan Stoner (a Ph.D. from our Berkeley research group), Wendell Smith, Albert Meyer, Arthur Brooks and Ray Gunnink (formerly a Ph.D. student with Cobble).

We discussed the general organization of the U.S. Rubber Company's radiation and nuclear work and the status and research program of their reactor. We also covered the research program for their Van de Graaff Accelerator and their program of research with radioactive tracers, concerned with such investigations as that of ethylene-propylene copolymers, rubber tree research, surface-active agents and radioactive iodine for free radical assay.

Before having lunch with the group I went to the Research Corporation headquarters (405 Lexington Avenue), where from 12:15 p.m. to 12:40 p.m. I met with Joe Barker (of the Research Corporation and a Director of the Edison Foundation) and Sharon Banigan of Dutton Co. to have my picture taken in connection with the presentation of the Edison Award to me and Red Valens as authors of Elements of the Universe.

I then met the U.S. Rubber Company group at the Dorset Hotel where Cobble and I had lunch with them from 1 p.m. to 2:15 p.m.

I went to the St. Moritz Hotel (50 Central Park South at 6th Avenue) where I met Helen, who arrived at New York International Airport at 10:30 a.m. this morning after travelling on United Airlines Flight #132 (which left San Francisco at 10:30 p.m. last night). We checked into the St. Moritz Hotel, a much more comfortable and luxurious hotel than the Shelton-Towers.

Helen and I went dinner dancing at the Hotel Roosevelt Grill to the music of Guy Lombardo and his orchestra, featuring our favorite singer, Carmen Lombardo. This was a nostalgic experience, bringing back memories of our similar experience on Helen's 27th birthday (March 2, 1944) during a wartime business trip in New York. Seated at a neighboring table were Donald and Florence Menzel. Donald is a world famous astronomer from Harvard and he and I serve on the Executive Committee for the Century 21 Exposition planning. The four of us spent considerable time in conversation. They, like Helen and me, are Lombardo aficionados.

Wednesday, January 28, 1959

Helen and I had breakfast in the hotel restaurant. I suggested that she visit the American Museum of Natural History today to see if she could see the small specimen of the first metallic hafnium ever made, which Professor de Hevesy presented to the museum so that they could put it on display.

Finding myself in New York today between scheduled events I made a number of appointments to take care of various aspects of business. First I went to the Ford Foundation (477 Madison Avenue) to talk to Carl Borgmann (Director of Science and Engineering) to talk about our program in the College of Engineering at Berkeley and to investigate the possibility of support from the Ford Foundation. Borgmann and Paul Pierson suggested that I do this when they visited me in Berkeley last October. I met from 10 a.m. to 11 a.m. with Borgmann, Pierson and DeForest L. Trautman. I told them about our change of dean in the College of Engineering and our plans to move more toward scientific engineering. They told me that they plan to support scientific engineering and Ph.D. work in engineering.

I also told them about our need for a building for Melvin Calvin but they said that the Ford Foundation doesn't give money for buildings. Trautman told me they could support visiting foreign professors in mathematics and biological sciences, which could be of interest to us at Berkeley.

I then went to the office of Rowan Gaither in the Ford Foundation and met with him from 11 a.m. to 11:30 a.m. Rowan is a member of our E. O. Lawrence Memorial Committee and we discussed plans for fundraising. He said he would serve as the focal point for eastern members of the Committee. He was a close friend of Ernest. He suggested that Lionel Viales visit him in New York in connection with his trip to Europe to visit science museums next month. He promised to set up a meeting of eastern members with Viales in New York some time after the next meeting of our Committee scheduled for March 11th in Berkeley. He said we should approach Dean Rusk (President of the Rockefeller Foundation) after our proposal for the EOL memorial is ready.

I next went to the office of Phil Coombs of the Ford Foundation's Fund for the Advancement of Education. I met with him from 11:30 a.m. to noon. We discussed educational television. He told me of preliminary plans to broadcast to schools via UHF from a circling airplane, covering a 250 mile radius, with programs originating from classrooms on the ground. He said the Fund can support travel grants for our people to go around the country and look at TV projects. He recommended, particularly, visits to the Hagarstown (Maryland) project. To arrange this, we should contact Thomas Pullen of the Maryland State Department of Education (2 West Redwood Street, Baltimore).

George Probst (Director of the Edison Foundation) came to the Ford Foundation to meet with me from noon to 12:30 p.m. in Gaither's office. He told me the selection of Elements of the Universe as winner of the Edison Award as "The Best Science Book for Youth" was made on the basis of voting by 62 groups, two-thirds of which received copies of the book and the remainder received abstracts of the book. I told him that I won't be able come to New York on February 3rd to receive the award. He wants me to record a TV program in New York on some Wednesday evening during the next 20 weeks or next fall. He said they could pay Valens' expenses to come to New York to receive the award if Dutton Company (our publisher) doesn't offer to cover his expenses.

I attended a 1 p.m. luncheon in the Time Magazine dining room on the 64th floor. This was hosted by Louis Banks (a college friend of Dan Wilkes and a Senior Editor for National Affairs) and a number of other Time editors. It is a regular Wednesday noon gathering of "interesting people". The conversation was far-ranging over the areas of the role of science in today's society, the place for educational TV in the science education picture, the Atoms for Peace Award tomorrow, etc.

I returned to our room at the St. Moritz Hotel and phoned John Gardner (head of the Carnegie Corporation) at 3 p.m. to pay my respects. (The Carnegie Corporation is, of course, a potential source of funding for various Berkeley projects.) Gardner suggested I notify him about my next trip to New York and he will arrange a small luncheon for me.

Helen returned to our room and we took a walk in nearby Central Park. She told me she succeeded in viewing de Hevesy's specimen of metallic hafnium, but it was not on display and had to be found in storage and brought out for her to see.

We returned to our room and at 4:45 p.m. I called Ed Drew, an official of Lever Brothers and a prominent Berkeley alumnus (Class of 1921). This was a get-acquainted phone call to enlist the support of this influential alumnus. He wants to arrange a big dinner for me on a visit to New York, before the end of June or after September 1st. He is a member of the New York Athletic Club (59th Street and 7th Avenue) and can get me guest cards for use of the Club's facilities (swimming pool, etc.) if I wish and let him know.

Helen and I had a very pleasant dinner at Passy's, a plush restaurant, with Harvey and Adeline White, Francis ("Pan") and Henrietta Jenkins (he, like Harvey, is a Berkeley Professor of Physics) and the Dale Corsons. (Dale is a Berkeley friend of prewar days and now a Professor of Physics at Cornell University.)

Thursday, January 29, 1959- New York

Helen and I had a late breakfast in the hotel restaurant. I took a taxi to the New Yorker Hotel to look in on the meeting of the American Physical Society. Around 11 a.m. I talked to Bill Nierenberg. He has talked to Roger Revelle, learned of his exuberant recruiting and is disturbed that Revelle may convince Ken Watson to join his La Jolla Physics Department in preference to Berkeley's. I told Bill about Carl Helmholz' reluctance to make enticing, competitive offers. Bill said that the outstanding theoretical physicist Murray Gell-Mann has not yet accepted at La Jolla and we might have a chance to get him to come to Berkeley. I said the initiative must come from the Physics Department.

At 11:30 a.m. I talked to Bob Brode (Berkeley Physics Professor on leave to the National Science Foundation to serve as their Associate Director for Research) who told me he has served notice to Alan Waterman (Director of NSF) that he will return to Berkeley in September. (I saw Waterman later and he confirmed this.)

I returned by taxi to the St. Moritz Hotel in time to take a noon phone call from George Probst, informing me that upon reconsideration he doesn't feel the Edison Foundation can pay Valens' expenses to come to New York.

Helen and I took a taxi to the Rockefeller Institute to attend a 1 p.m. luncheon in the Abby Aldrich Rockefeller Hall hosted by Rockefeller Institute President Detlev Bronk in honor of George Charles de Hevesy, the winner of this year's Atoms for Peace Award ($100,000).

I told Jim Killian that I think Harvey White is doing a good job on "Continental Classroom", which agrees with his impressions from other sources. He also agrees with me on the important role that TV will play in American education. He told me that the President's Science Advisory Committee (PSAC) meets in the Executive Office across the street from the White House and sometimes with President Eisenhower. He told me that the new members of PSAC or its subcommittees include Cyril Smith, Britton Chance, Jim Fisk and Walter H. Brattain and that Bob Bacher serves as Vice Chairman while he himself serves as Chairman.

In response to my request for suggestions, he identified Harvey Brooks (head of Applied Physics at Harvard) as a good candidate for the deanship of the College of Engineering at Berkeley. (I will tell Ken Pitzer, Chairman of the Search Committee, of this suggestion.) Paul Weiss told me that PSAC will meet with President Eisenhower at the time of the February meeting.

Starting at 3 p.m. the presentation of the second Atoms for Peace Award to George de Hevesy took place in an impressive ceremony in Caspary Auditorium. Detlev Bronk served as Master of Ceremonies. He first introduced me, and I spoke using my prepared text on "The Scientific Accomplishments of George Charles de Hevesy". I described his creation of the radioisotopic tracer technique and the foundation of the classical principles in its use, followed by his pioneering application of the technique as each major tool becomes available. As a humorous aside, I told the story of the use of the radioactive indicator method at his boarding house to prove the hash served as a dinner dish was prepared from yesterday's leftover meat which had been returned from the plates to the kitchen. I included a description of his discovery with his co-worker Dick Coster of the new element hafnium.

Bronk then introduced Secretary General of the United Nations Dag Hammarskjold, who spoke on "Science in a World of Change". The Atoms for Peace medal and citation were then presented to George de Hevesy by Bronk. De Hevesy made a short but moving response in which he noted that today is the 48th anniversary of his entering the Physics Department of Manchester University, under the inspiring leadership of Ernest Rutherford. He said he feels honored to be the next recipient after Niels Bohr, the winner of the first Atoms for Peace Award, and paid tribute to Ernest Lawrence, whose cyclotron furnished him with radioactive tracer.

After the ceremony we went back into Abby Aldrich Rockefeller Hall for a reception. During the reception I talked to John R. Dunning, who told me about the planned Basic Research Institute, hopefully to be funded by a large grant of money from the AEC ($100,000 to $1 billion range) to be awarded to Eugene T. Booth, Aristid V. Grosse and Alfred O. Nier as a reward for their pioneering work during the war in developing the gaseous diffusion process for separating U^{235} from natural uranium. He wants advice from me on how to approach the AEC. I said I would be pleased to give him my reaction by phone to any specific proposal.

I also talked to Paul Aebersold (head of the AEC Isotopes Division and a personal friend), who told me that he is negotiating with the University of California Extension Division for AEC to supply a central isotope laboratory on the Berkeley campus (at a cost of some $60,000-$80,000).

Helen and I took a taxi to th St. Moritz to change our clothes for tonight's dinner at the home of the Detlev Bronks. Helen packed her suitcase to take with her because she will leave when the dinner is finished to go directly to the New York International Airport. We took a taxi to the impressive home of the President of the Rockefeller Institute (the Bronk residence) on the Institute's grounds to attend the dinner there in honor of George de Hevesy--the culmination of the Atoms for Peace Award activities.

After dinner I spoke to Arthur H. Compton, along with Alan Waterman, and Arthur told us that he is trying to undertake a broad study of the "Effect of Science on Man" and hopes to set up some major project, possibly with foundation support. I also talked to Ralph Bunche who told me he is cognizant of impending administrative changes (he means the chancellorship) at UCLA (his alma mater). In response to my query, he said he is not impressed with Charles Malik as a speaker and thinks he is the most ineffective president of the United Nations Assembly to ever hold the position.

Helen left the Bronk residence to travel by taxi to the airport to board United Airlines Flight #717, scheduled to leave at 11 p.m. and arrive in San Francisco at 6:30 a.m. tomorrow.

I took a taxi back to the St. Moritz Hotel. Helen and I have an arrangement that we do not fly on the same airplane, if we can avoid it, because of our responsibility to our children.

Friday, January 30, 1959- New York/ Berkeley

I took a taxi to the New York International Airport, where I boarded United Airlines Flight #703 which left at 9 a.m. and arrived at the San Francisco

Airport at 3:30 p.m. I was met by a University car and driver who took me to my Chancellor's Office on campus.

I was brought up to date quickly by Anna Carol on some of the happenings during my absence. She told me that Frank Kidner (who attended the meeting of the Regents last Friday in his role as Vice Chairman of the Academic Senate) told her that the Regents did approve the 50-year lease to the Atomic Energy Commission of the property at the Radiation Laboratory on which the Chemistry Building addition is to be constructed. This clears the way for approval by the AEC for the construction of the new Chemistry Building (Building 70A) and thus takes care of the problem brought to my attention by Ed McMillan earlier this month.

I also read a couple of memoranda prepared by C. W. Brown (Chairman of the Buildings and Campus Development Committee) during my absence. One is addressed to Harry Wellman in response to his recommendation to purchase the Alpha Kappa Lamda fraternity property in advance of its position on the priority list as part of our plan to provide for the expansion of the Berkeley campus. I expressed my disagreement, despite the fact that this will result in a greater purchase price at a later date, and stated that I shall recommend to Clark Kerr that the fraternity should be notified immediately in order that they may proceed with their remodelling program. I signed an accompanying memorandum to Kerr, recommending that the University not purchase this property at this time and that the fraternity be notified of this decision immediately.

I also forwarded to Kerr a memorandum, prepared and signed by Emil M. Mrak (Chairman of the Department of Food Technology at Davis) and Charles D. Wheelock (Director of the Institute of Marine Resources at La Jolla) and endorsed by Roger Revelle (Chairman of the Institute of Marine Resources Executive Committee), recommending that Marine Food Technology research and instruction in the University should be expanded by increasing the space for this at the Berkeley campus to 2500 square feet. This activity is conducted by Harold R. Olcott (who holds a dual appointment as Professor of Marine Technology here at Berkeley), now located in Rooms 10 and 10A of Hilgard Hall, and occupying about 850 square feet. These are the only facilities in the University devoted to the solution of food problems involving man's use of marine resources, for which governmental and commercial efforts are meager although the value of the annual sea harvest in California alone is approximately $140 million and the potential value of as yet unharvested species of fish is enormous. The expanded space would accommodate Olcott, an assistant professor or assistant research biologist, and eight students.

I put the pack of correspondence and papers accumulated during my absence in my briefcase for attention at home over the weekend.

I then walked across the campus to the Faculty Club, where I met Helen to attend the pre-lecture dinner for Dr. and Mrs. James Conant, hosted by George Kyte (Acting Dean of the School of Education). Some 50 people attended the dinner, many of them connected with the School of Education.

After dinner, we all walked down to Wheeler Auditorium for the lecture by Conant on "The American High School", based on his widely publicized two-year study of American public high schools, which was supported by a grant from the Carnegie Foundation. Starting at about 8:15 p.m. I introduced him, summarizing the concern over the state of education (especially in secondary

education) in this country in the wake of the placing in orbit of Sputnik I by the Russians a little over a year ago. I also referred to the inevitablitity of his being selected by the Carnegie Foundation to make a study of the American high school, describing his remarkable career of notable accomplishments and my many contacts with him in the wartime Manhattan Project and as a member of the General Advisory Committee of the Atomic Energy Commission.

Conant gave an excellent summary of his study of the American public high school, augmented by summary pamphlets which were handed to the audience as they entered. After the lecture I presided over a question and answer session. The questions, at Conant's request, were written on 3 x 5 cards, which were collected by the ushers and handed to Alden Dunham (Conant's secretary and advance agent), who handed them to me to pass on to Conant.

After the lecture I had a chance to talk to Regent Don McLaughlin about two things. I told him about our decision to keep the Chancellor's Office in Dwinelle Hall. Although he agreed that this is for us to decide, he mentioned that of the offices in Sproul Hall, the one to be vacated by Underhill would probably be best. I told him about the conflict between my commitment to talk, at his request, to the American Institute of Mining, Metallurgial and Petroleum Engineers and the meeting of the President's Science Advisory Committee (PSAC) on February 16th. He said that he will see how far the publicity has gone for my talk to the Institute in order to see if a substitute for me is feasible. (We suggested that Ken Pitzer might be a possibility.) He will let me know.

Saturday, January 31, 1959

Most of today was spent catching up on reading from my Chancellor's Office. Of particular interest were memoranda from Errol Mauchlan and Bill Fretter commenting on the Cresap, McCormick and Paget report on reorganization of the statewide administrative organization.

NEW YORK TIMES

Friday, January 30, 1959

U.N. IS LIKE ATOM, SCIENTISTS HEAR

Hammarskjold Calls It First Step to World Order— de Hevesy Gets Award

Dag Hammarskjold, Secretary General of theh United Nations, yesterday compared that organization's place in international politics to the role of an atom in nuclear physics.

He called theh world organization "a first approximation to the world order which we need and which one day must be brought about." He said also that it was based on "the recognition of the fundamental unity of all mankind in its interest in peace and in progress based on justice and freedom."

Mr. Hammarskjold addressed 250 scientists and other notables, including eleven Nobel Prize winners, at the Rockefeller Institute, York Avenue at Sixty-sixth Street. The occasion was the presentation of the $75,000 Atoms for Peace Award to Prof. George Charles de Hevesy, 73-year-old Hungarian-born chemist.

Professor de Hevesy, now a teacher at the Research Institute for Organic Chemistry in Stockholm, Sweden, also received a gold medallion. He was cited for his pioneering concept of using the radioactive character of certain atoms to observe their movements and interactions. In this lay the origin of the isotope tracer technique.

Detlev Wulf Bronk, president of the Rockefeller Institute, read a message from President Eisenhower praising Professor de Hevesy. The President wrote:

"He has contributed much to the advancement of mankind. Through his work he has assisted in achieving for man better health, a deeper understanding of the processes of nature and further proof of the benevolent capabilities of the human mind."

The Atoms for Peace Awards were established two years ago as a memorial to Henry Ford and his son, Edsel Ford.

Dr. Glenn T. Seaborg, chancellor of the University of California, recalled that Professor de Hevesy's "inspiringly successful failure" had occurred in 1913. The resulting tracer technique had an enormous impact on the scientific world, he said, "as great as the invention of the microscope."

Sunday, February 1, 1959

I spent the day at home with my family. I spent some time reading proof on my article "Early Radiochemical Investigations of Plutonium" which I have prepared for publication in Beiträge Zur Physik und Chemie Des 20. Jahrhunderts, honoring Lise Meitner, Otto Hahn, and Max von Laue on their 80th birthdays. The volume is being put together by O.R. Frisch, F.A. Paneth, F. Laves and P. Rosbaud. It is being published by Verlag Friedr. Vieweg & Sohn, Braunschweig.

In the article I begin by paying tribute to Otto Hahn for his book Applied Radiochemistry, covering the series of lectures that he gave at Cornell University early in 1933, which were published as a book in 1936. After a description of the production and identification of the synthetic elements, with the atomic numbers 43, 61, 85 and 87, I go on to mention the early work on neptunium and then describe, in some detail, the early radiochemical investigations of plutonium, and the bearing of this work on the deduction of its macroscopic chemical properties. I describe our original report on its chemical properties dated March 19, 1942, which was sent as a secret document to the Uranium Committee and in which we suggested, for the first time, the name "plutonium" and the symbol Pu for the element with atomic number 94.

I then describe the work by the physicists and the chemists at the Metallurgical Laboratory in developing the method for the production of ^{239}Pu in quantity during World War II. I describe, in some detail, the discovery and development of the bismuth phosphate process which was used for the separation of plutonium from uranium and the fission products at the Hanford Production Plant. I include a description of the successful test of this process at concentrations of plutonium that would exist at the Hanford Plant by working on the ultramicrochemical scale at the Metallurgical Laboratory using cyclotron-produced plutonium. I describe the successful operation of the bismuth phosphate process at the Hanford Production Plant.

Monday, February 2, 1959

I went directly to my Chancellor's Office in Dwinelle Hall this morning and as the first order of business, I signed a number of letters. Three went to Clark Kerr. One, drafted by Errol Mauchlan, concerns the current deficit in the budget of the University Theater identified for us by communications from Fred Harris (Chairman of the Department of Dramatic Art). I endorsed Harris' suggestion that the deficit be covered by emergency funding from campus sources and also his recommendation that the promotional and front-of-the-house activities presently performed for the Department by the Committee on Drama, Lectures and Music under the budget of University Extension, be transferred to the Department with the aim that they be handled on a more economical and limited basis.

Another memorandum to Kerr concerns the already approved appointment of Sir Charles Snow as Regents Professor of English for a term of his choice in 1960. Raymond Sontag (Chairman of the Committee on Regents Professorships and Lectureships) now reports that Sir Charles wishes to come for the Fall Semester of 1960, and states that his committee approves of this and also proposes that Sir Charles' stipend be $9,000.00. I endorsed these proposals.

My third memorandum to Kerr endorses Chairman Sontag's proposal that the already approved funds for the appointment of Thomas H. Chilton as Regent Professor of Chemical Engineering be carried forward in 1959-60, in order to secure Dr. Chilton's services as Regents Professor for a full academic year. I endorsed this recommendation. I knew Tom Chilton during the days of the Plutonium Project during World War II when he was assigned from the DuPont Company to work on the scale-up of the chemical process for the separation of plutonium at the production plant at Hanford, Washington.

Another memorandum went to Arthur E. Hutson (Chairman, Committee on Committees) requesting the Committee to suggest to me a panel of from five to seven faculty names to serve on a committee to canvass the field and make recommendations for the positions of Dean of Men for the Berkeley campus and Foreign Student Adviser.

A letter went to John Phillips (Berkeley City Manager) informing him that the University now has available the funds for the study of alternate locations for the Sather Gate parking lot and we, represented by Louis DeMonte of the Berkeley campus office of Architects and Engineers, are now ready to proceed at his convenience to work with a member of his administration in a study of this problem.

I signed letters to Hugh M. Burns (President pro tem of the State Senate) and the Ralph M. Brown (Speaker of the Assembly), both in Sacramento, inviting them, respectively, to send delegations of ten State Senators and ten State Representatives to attend our March 20th celebration on the Berkeley campus of the 91st Anniversary of the founding of the University of California, and my inauguration as Chancellor. I told them that our day will start at 10 a.m. with an informal reception in the Alumni House to be followed by a brief presentation concerning the University, a short tour of the campus, a luncheon, and at 2 p.m., the Charter Day ceremonies in the Greek Theatre. I also extended them (and their wives) an invitation on behalf of Mortimer Smith (President of the California Alumni Association) to attend the traditional Charter Day Banquet at 7 p.m. at the Sheraton Palace Hotel in San Francisco.

I sent a letter to Immigration and Naturalization Service, Department of Justice, in San Francisco, endorsing an attached petition, requesting the Service to accord Dr. Kirsten H. Walen, a Norwegian citizen, first preference under the immigrant quota. Pointing out that we are offering Dr. Walen a position as a research geneticist with the Naval Biological Laboratory at the University of California at Berkeley if she is readmitted to the United States, I emphasized that she has the potential for making significant contributions to our knowledge of the genetics of viruses and cells.

I also sent a memorandum to Harry Wellman endorsing Otto Struve's concerns that if the Lick Observatory became a part of a new campus, as suggested by Wellman in his memorandum of January 5th, this might result in a possible duplication of effort and multiplication of Astronomy Departments in the University. Struve therefore suggests reconsideration of a former plan wherein Lick Observatory scientists would be transferred to the Berkeley campus.

I received a telephone call from Sharon Banigan of the Dutton Company. She was eager to know if the wording of publicity material concerning the conferring of the Edison Award on Red Valens and me for our book Elements of the Universe was acceptable. I went over the material--which includes glowing

endorsements of our book by a number of people, including Kirtley F. Mather, the New York Times and the Los Angeles Times--and then phoned Mrs. Banigan and gave her my approval as well as indicating some rather minor changes.

At 10:30 a.m. I met with Dan Wilkes, Errol Mauchlan and Kitty Malloy to discuss the problem of improving Dan's situation with respect to his title, secretarial help, operating budget, etc., preparatory to my meeting with Maynard Morris this afternoon.

At 11:45 a.m. I received a phone call from Harry Wellman, informing me that there will be a meeting of the Regents Committee on Finance, to determine the University's position in view of the Governor's budget cuts, at 2 p.m. on Friday in San Francisco, to which I am invited. I told him about the meeting of the I.A.A.C. here in Berkeley which involves Clark Kerr, UCLA Chancellor Ray Allen and me, and suggested that it may be necessary for me to be represented at the Regents' meeting by Vice Chancellor Ed Strong.

Wellman asked me for my opinion as to whether we should have a statewide conference on atmospheric and space research. I told him about my talks on this with Vern Knudsen and Bill Young in December and about the conflict between the people at UCLA and La Jolla . I indicated that, in my opinion, there should not be any conflict between atmospheric and space research. He asked me to make a recommendation of someone at Berkeley who might chair a conference on atmospheric research. I referred this matter to Fretter for recommendation.

I read a memorandum from Milton Chernin, commenting on the discussion at the December meeting of the Regents Committee on Endowments regarding widows of pre-1954 emeriti, who are in great need due to the effects of inflation. Milton commented on the statement made by Regent John Canaday at that time, in which Canaday expressed the opinion that it would be difficult to determine where the aid should begin and where it should stop and how to determine the basis of need. Chernin feels that the two Schools of Social Welfare in the University could work out such problems and also that the particular difficulties to which Canaday referred do not really exist.

At noontime I went up to the Radiation Laboratory to attend the regular weekly bag lunch meeting of the key staff of the Nuclear Chemistry Division. After lunch I signed a letter typed by Eileen Carson addressed to Paul Rosbaud at Westminster, England, enclosing the corrected proof and original manuscript of my article "Early Radiochemical Investigations of Plutonium" for the volume honoring Lise Meitner, Otto Hahn and Max von Laue.

At 2:30 p.m., back in my Dwinelle Hall office, I kept an appointment with Maynard Morris (Director of Public Information) and described the changed status of Dan Wilkes, saying that I now look to him for advice and give him assignments outside of the science area and that, in view of this additional responsibility, I want to give him the additional title "Assistant to the Chancellor." I also said that I am approving an additional clerical person assigned to Dan. Maynard agreed to these suggestions and asked at what level the clerical help would be. After Maynard left, I discussed this with Kitty Malloy who then called him to tell him that the level of clerical work would be either Senior Typist or Secretary-Stenographer, depending on the job pay for this position for 1958-1959, and it was agreed that the salary would come from our contingency fund for 1959-1960 and that it would be a budgeted position for 1960-1961.

At 3 p.m. I had an appointment with Harry Wellman to discuss a number of items. I informed him that I am giving Dan Wilkes an additional title "Assistant to the Chancellor".

I passed on the request of C. W. Brown, to borrow space for the School and College Placement Staff in the Statewide Building, and Wellman approved.

I asked Wellman if I could send out a letter of invitation automatically to an appointee to a faculty position right after it has received Regents' approval; Harry said he will send me a note on each appointment until a directive for a more general procedure is prepared. I asked him whether we will be notified in each case in advance, concerning recommendations for promotions, or should we consider it a firm policy that approval will not be made until the year that the promotion is to be made effective; he replied that approval will not be made until the year the promotion is to become effective. I asked him whether it is expected that the instructions to appointment and promotion committees will be revised; he replied that he will look it up and let me know.

I told him about the problems we are having with Roger Revelle in regard to his trying to persuade Berkeley faculty members to accept positions at La Jolla; he stated that it will be necessary for Roger to go through the CCCO to President Kerr to request permission to approach such faculty members. I also asked for approval of five promotions.

I left at about 3:30 p.m. to drive to International House to attend a tea in honor of the five Soviet engineering educators who are visiting the Berkeley campus. They were as follows: Panteleimon Lebedev (Chief for technical and machine building, Higher Technical Schools), Nikolay B. Ogoroditskii (Director, Leningrad Electrical Engineering Institute), Kazimras Barshauskas (Director, Kaunas Polytechnic Institute), Vasily Atroschenko (Deputy Director, Karkov Polytechnic Institute), and Aleksandr Danankov (Lecturer, Mendeleev Institute of Chemical Technology, Moscow).

I drove directly home from here after staying for about an hour.

Tuesday, February 3, 1959

I drove directly to my Chancellor's office in Dwinelle Hall this morning and began my day by going over and signing some correspondence. I signed a letter drafted by Milton Chernin to Stan McCaffrey commenting on the draft of his memorandum to the Finance Committee of the Board of Regents on the subject of the proposal of UCLA's Alumni Association that the University help finance the Alumni Association's programs. I express my agreement with the point made in the draft memorandum that if aid were to be given to one alumni association, it would have to be given to all and that in this time of great financial stringency, taking on these new support items should not be done except after the most careful comparison between their relative importance to the University's program and the items cut out of the University's budget by the State Department of Finance, the Governor and the Legislature. I agreed with the suggestion that responsibility for alumni relations be placed in the office of the Vice President Executive Assistant, and agreed that reimbursement should be made for out-of-pocket expenses incurred for arranging official University functions.

UNIVERSITY BULLETIN
February 2, 1959

"New Direction in Higher Education"— Seaborg on National Defense Education Act

(The speech which is presented below was delivered by Berkeley Chancellor Glenn T. Seaborg before a recent regional conference on the National Defense Education Act. Seaborg's remarks have been slightly excerpted.)

I am happy to have an opportunity to say a few words of welcome on behalf of the University of California at the beginning of this conference on the National Defense Education Act, because I am deeply convinced of the importance of this Act and of its significance as the initial step in a new direction for American education.

The factors contributing to the inadequacy of our educational system are many and complex, but one of the basic factors is the question of financial support. I do not see how we can avoid the conclusion that a large part of the money to finance adequate educational development must come from the Federal government. Moreover, I see no fundamental reason why methods for giving federal support to our educational system cannot be worked out without endangering the proper amount of local autonomy of our schools. It is my hope that the National Defense Education Act will serve as the beginning for a much more comprehensive and far-reaching program.

I signed a letter to Dr. J. Elwin LeTendre (Principal, Berkeley High School) drafted by Ed Strong, approving his sending a few students to audit Mathematics 3A this Spring Semester, provided he makes arrangements to do so with J. L. Kelley (Chairman of the Department of Mathematics). I express the hope that the results of this experimental program will point the way to regularized enrollment of superior high school students in programs of this kind on the campus. A copy of the letter went to Kelley.

Another memorandum signed by me this morning, went to Rollie J. Myers saying that I take pleasure in appointing him as Acting Chairman of the Department of Chemistry effective immediately and through September 11, 1959, during the absence of Chairman Robert Connick, on the recommendation of Dean Kenneth Pitzer and Robert Connick. Copies of this memorandum went to Pitzer and Connick.

In reply to a letter from Jacques Cattell (Editor, American Men of Science) who is situated at Arizona State University, at Tempe, Arizona, in which he asks for a list of faculty members who might be eligible for mention in the tenth edition of American Men of Science, I enclosed, following a precedent set by former Chancellor Clark Kerr, a copy of the Directory of the University, with the suggestion that all members of scientific departments with the rank of Assistant Professor or higher would qualify for inclusion in his publication.

Another letter I signed this morning went to Henry Fagin (Executive Director, Regional Plan Association, Inc., New York). I thanked him for his letter of January 12th and for the copies of his letter to President Kerr and to Charles Aikin (Chairman of the Department of Political Science). Fagin has completed seven months in Berkeley as our first Ford Rotating Research Professor of Governmental Affairs. I expressed gratification at his able performance and his plan to write a book Metropolitan Planning for publication by the University.

I read a memo by C.W. Brown (Chairman of the Building and Campus Development Committee) reminding me that at the Committee's meeting on January 25th, it raised the question of more rapid funding of projects in Agriculture and Forestry. These projects have been funded from Fair and Exposition Funds which have been very limited in recent years, resulting in a slowing up of the funding of these items on the Berkeley campus. He therefore recommends that the funding of these items from regular State funds should be considered. Kitty asked Mauchlan to comment on this and Mauchlan told her that Wellman has spent Fair and Exposition Funds monies faster than they had been coming in "from the horses." Mauchlan suggested that I should talk to Kerr about this and that I not support the spending of available state funds in this direction if it would mean a general diminution of our ability to meet other funding requirements. I shall want to talk to Kerr or Wellman about this matter.

At 10:40 a.m. I received a telegram phoned down from the Department of Chemistry from Elliott B. MacRae saying

> "We will miss you in the celebration of the Thomas Alva Edison Award, but our friendly thoughts will be with you. All at Dutton are proud to have our imprint on your distinguished book. With friendly greetings.."

The Thomas Alva Edison Awards luncheon to present the 1958 National Edison Awards for children's books at which Valens and I are receiving the award for

"The Best Science Book for Youth" is being held at the Waldorf Astoria Hotel in New York today.

I met with Lincoln Constance for my regular weekly session with him. We discussed a number of items including:

1) Our hopes to have Robert Aaron Gordon accept an appointment as Chairman of the Department of Economics to succeed Andreas G. Papandreou. Professor Gordon has laid down some conditions and I urged Lincoln to do everything within reason to meet them.

2) As a result of examining the results of the preference poll in the Department of Scandinavian Languages, we decided that Hakon Hamre should be designated as Chairman for the year 1959-60, succeeding Assar G. Janzen.

3) Based on the recommendation of Esmond E. Snell (Chairman of the Department of Biochemistry) that the title Professor of Biochemistry will be restricted among the members of the Virus Laboratory to those who continue to carry a substantial load of teaching and other duties in the Department of Biochemistry, it was determined that Arthur B. Pardee and Howard K. Schachman will continue to carry the title "Professor of Biochemistry" while this title will be removed from C. Arthur Knight, Wendell M. Stanley and Robley C. Williams, who will each assume the title "Professor of Virology" in the new Department of Virology. I indicated that I believe I have promised Professor Choh Hao Li that he could retain his title as Professor of Biochemistry as a means of reconciling him to his move to San Francisco Medical Center.

4) I informed Constance of my interview with Trautman of the Ford Foundation who told me that funds are available to bring distinguished visitors in Biology and Mathematics from Europe to this country.

5) I told him that there might be an opportunity to develop the proposed Marine Biological Station which has been squeezed off the Bodega Head location by PG&E, at or near Asilomar, in Monterey County, which might or might not become the focus for another campus.

6) I told him about the problems we are having with Roger Revelle in connection with his getting faculty members to go to La Jolla.

7) I told him of discussing our five requested promotions with Wellman, who agreed with all but one.

I presided over the regular brown bag luncheon meeting of the Chancellor's Cabinet in the Chancellor's Conference Room, at which Chernin, Fretter, Hart, Malloy, Mauchlan, Strong and Wilkes were present. I reviewed for the members of my Cabinet the items discussed at the Regents Meetings and the CCCO meeting in San Francisco last month, my meetings with Lincoln Constance, my meetings with representatives of the Ford Foundation in New York, and the planned meeting of the Regents Finance Committee, the CCCO and the Intercollegiate Athletic Advisory Council on Friday (some possibly to be held concurrently so that Strong may have to represent me at one of them).

Mauchlan gave us estimates on Governor Pat Brown's proposed cuts in the University budget; it appears now that $197,000 will be cut from Berkeley Campus Improvements corresponding to a cut of $27,000 in FTE of which $25,000 are for teaching. He told us that $40,837 has been allotted to Berkeley for

student loans under Title II of the National Defense Education Act.

In reporting on my meeting with Wellman yesterday, I mentioned that I spoke to him about the problems created by Roger Revelle directly approaching faculty members on our other campuses offering them appointments to the faculty at La Jolla and that Wellman stated it will be necessary for Revelle to go through the CCCO to President Kerr with such requests. I also reported that Wellman sustained me in all but one of the five promotions which were discussed.

Hart told us about the problems concerning Winfield Scott Wellington (presently director of the Art Gallery), and reported that I am technically the Charter Day speaker and that I will discuss with President Kerr possible names for the second speaker--people such as Jim Killian and Norman Topping are being considered. I shall also call Governor Brown concerning the possibility of his speaking at a University Meeting in April. Strong announced that Archibald MacLeish has been invited to speak as the Foerster Lecturer.

At 2 p.m. I received a call from Nick Brown (American Council of Education in Washington, D.C.), asking me to serve as a member of the Pacific Coast Committee of the American Council on Education. Included in the membership are the following people: Dean Dodd (UCLA), Chairman; President Hart of Scripps College; President Langsdorf of Pasadena City College; President Malcolm Love of San Diego State College; State Superintendent of Public Instruction Simpson; President Cassasa, San Jose State College; President Sullivan, Reed College; President Armstrong, University of Nevada; Dean Jones, University of Oregon; and President Easton Rothwell, Mills College. I accepted membership on the condition that I could be represented at times by Ed Strong. He told me the next meeting will be held February 26th and 27th at Redlands in connection with the meeting of the Western College Association. I immediately wrote a note to Ed Strong asking him to attend the February meeting as my representative.

At 2:30 p.m. I had an appointment with Dr. Sun Keun Lee of Sungkyunkwan University in Korea, who was accompanied by Mr. Han (an interpreter from the State Department) and by one of our Korean students in Asian studies. In this courtesy call he told me that he is impressed with our Library, stating that it compares favorably with the Asiatic libraries of the big universities in the east, such as Harvard, Columbia, Yale and Princeton. Mr. Han interpolated the comment that he thinks our library is better than these. He wants an exchange arrangement between Korea and our library and I told him to see Librarian Donald Coney about this. He also wants to exchange young faculty, for example, in English literature and international law, and I said I would agree, in principle, if there are any faculty here who would like to do this. I asked him to explore this further with Jim Hart (whom I immediately informed of our meeting).

At 3 p.m. I met in my office with Bob Kerley, Bud Hastings, Louis DeMonte, and Errol Mauchlan to discuss the deficit with which we find ourselves faced in financing the Student Union and Cafeteria. To meet the Student Union deficit of $155,171, I agreed to request authority to make Student Union fee collections accumulated to date, plus the continuing collections this spring, available to finance construction, which will yield $70,545, and to reduce the budget for the Student Union (mainly furnishings) which will cut out $84,625. To meet the deficit on the Cafeteria of $145,000, I agreed to request the Regents to advance funds on a temporary basis and then handle the residual

deficit as a short term second mortgage, thus accounting for $100,000, and reduce the budget for the cafeteria (for equipment) by $45,000.

At 4 p.m. I kept an appointment with Cornelius Tobias and Hayden Gordon, who told me about their conversation about two months ago with Douglas Worf of NASA. Tobias got the impression that the big space platform to be launched in about 1965 might be contracted out for equipping to a university. He wanted my reaction as to whether we should try to compete for this. I said I wouldn't rule it out, although I wouldn't want this to interfere with our request for support for a Space Sciences Laboratory, which I have discussed with NASA administrator Keith Glennan. I said that I would be willing to talk with Worf if he comes out and told them to pursue this further with Fretter to decide who should invite Worf to visit us.

Starting at 4:30 p.m. I met in my office with Wendell Stanley in a session which lasted more than half an hour, concerning his dissatisfaction with laboratory space allotted to him and with his relations with the Department of Biochemistry. He thinks that the space agreement made in 1955 has not been honored in the recent administration's decision enunciated in my memo to him. He thinks he should have been treated better in view of the fact that he built up the Department of Biochemistry--for example, it was built up from a point of no membership in the National Academy of Sciences when he arrived, to the point where there are now six members in the Biochemistry and Virus laboratories. He believes that he is receiving much too small a space allotment in the Virus Laboratory when the Department of Biochemistry moves to the new Biochemistry Building--thus liberating space.

Due to space limitations Wendell thinks he will have to let six postdoctoral men go and will have to transfer or terminate various large research contracts. He proposes taking a year's sabbatical beginning either February 1960 or the fall of 1960, after which he will come back for a year before deciding whether to stay or go on to something else. He especially resents the dropping of himself, Knight and Williams from the roster of the Department of Biochemistry, which he thinks was a vindictive action by Chairman Esmond Snell. He said his future actions will be determined by the Administration's reactions to these questions. I said that I will look into these matters and let him know. After the meeting I informed Ed Strong of this conversation.

This evening I attended a dinner in the Faculty Club with Pete Elliott (our football coach), Greg Engelhard, Frank Kidner, and Bud Hastings. Pete is beginning to express dissatisfaction with the difficulties he encounters recruiting football players for Berkeley who can meet the stringent academic standards for entrance requirements. The dinner tonight was partly to recognize his accomplishments (producing a conference winner and Rose Bowl team last fall) but also for the purpose of my trying to reassure him concerning some of his misgivings. I tried to tell him we would be as cooperative as possible, but at the same time I told him frankly that it would not be possible to compromise either our entrance requirements or the requirements for satisfactory academic performance of the football players in order to make players eligible to play.

When I came home Helen told me that she had Eric's playschool group at our house this morning and then this afternoon she went to Happy Valley School for a show by Lynne's Girl Scout troup. Lynne is in the sixth grade at Happy Valley School, Dave in the fourth grade and Steve in the second grade, while Pete is in the seventh grade at Stanley Intermediate School.

Oakland Tribune, Tuesday, Feb. 3, 1959

Tribune photo

VISITORS—Russian engineers shown with University of California Chancellor Glenn Seaborg (third from left) during a tour of the campus are (from left) Prof. Alexsandr Davankov, Prof. Panteleimon Lebedev, Prof. Nikolay Bogoroditski, Prof. Vasiliy Atroshchenko and Prof. Kasimeras Barashauskas. They went to Stanford today.

Tuesday, Feb. 3, 1959

DAILY CALIFORNIAN

Chancellor's Book Merits Award

"Elements of the Universe," by University chancellor Glenn T. Seaborg and Evans G. Valens, won the award of the Edison Foundation as "The best science book for youth" published in 1958.

The award was announced yesterday in New York.

The award is part of the foundation's national mass media awards program to encourage the mass media to present more material for the benefit of youth, particularly in the science field.

U.C.'S SEABORG WINS SCIENCE BOOK AWARD

OAKLAND TRIBUNE

February 3, 1959

BERKELEY, Feb. 3 — University Chancellor Glenn T. Seaborg has received the 1958 Thomas Alva Edison Foundation National Mass Media Award for writing the best science book for youth during the year.

Seaborg received the award in New York from Edison Foundation trustee Joseph W. Barker.

The famed U.C. chemist was praised for encouraging interest in science through his book, "Elements of the Universe."

Wednesday, February 4, 1959

This morning I drove directly to the Radiation Laboratory to a meeting of the Associate Directors. Following the meeting I went over to the Nuclear Chemistry Division and talked with Perlman and my graduate students Glen Gordon, Vic Viola, Eldon Haines and Marshall Blann. Before I left I signed letters of recommendation for Lester Winsberg, who has served on the senior research staff of the Nuclear Chemistry Division in a temporary position during the past three years, but who is now trying to find a permanent position. These letters went to Henry Linschitz (Department of Chemistry, Brandeis University), M. K. Wilson (Tufts College), Philip Mason (Boston College) and Fowler (Oak Ridge National Laboratory). The above letters were drafted for me by Earl Hyde.

I then drove down to the campus and arrived at my Chancellor's Office at Dwinelle Hall just a little before noon.

I quickly read a memorandum from Errol Mauchlan indicating the Governor Pat Brown's proposals for budget cuts are even more serious than had been rumored, as we now know on the basis of firm figures that have become available. I will report this at the CAAC meeting today.

At noon, Ken Pitzer came in to see me to discuss the problem of the status of non-faculty research personnel that he has been investigating at my request. This is a problem that has been of some concern to me for quite some time. There are a number of non-faculty research people in research units on the campus like the Radiation Laboratory, who do not really have a well-defined permanent status. They should have better assured security. We, of course, haven't come up with a solution to this problem on the basis of our discussions so far.

Then, beginning at 12:15 p.m. I presided over the regular tri-weekly luncheon meeting of the Chancellor's Advisory Administrative Council CAAC) in the Chancellor's Conference Room (Room 3335 D) in Dwinelle Hall. Present were: R. G. Bressler, M. Chernin, D. Coney, L. Constance, J. P. Danton, C. F. Garland, C. C. Gilliam, E. T. Grether, J. D. Hart, R. F. Kerley, F. L. Kidner, G. C. Kyte, E. M. McMillan, M. T. Morris, N. M. Mundell, K. S. Pitzer, W. L. Prosser, C. E. Smith, T. B. Steel, H. E. Stone, E. W. Strong, H. J. Vaux, O. W. Wilson, W. W. Wurster.

After we had finished eating, I made a report on the January meeting of the Regents, including a somewhat detailed description of my presentation on the problem of our lack of "bright young scientists." Pitzer commented that in order to get the top people we should make sure we are getting a good selection of the "brightest new Ph.D.s", which he said we cannot do with our present salary scale. Constance indicated his view that we are becoming non-competitive in salaries at the assistant professor level. I reported on Governor Brown's proposed budget cut and agreed that the first consequences of this should be the subject for further consideration in the CAAC.

I reported on my recent conversation with Hugh Taylor (President of the Woodrow Wilson Fellowship Foundation), in which he expressed concern about the length of time spent in various fields on the Ph.D. degree program.

Pitzer suggested that we should obtain statistical information on some of the departments where the students take such a long time to obtain the Ph.D.--for example, the History Department. I indicated that I would like to have this discussed further as soon as the statistics are gathered. Strong read from the memorandum prepared by the International Cooperation Administration, (ICA), which has been referred by Wellman to the several campuses for comment. The ICA proposes developing a program in which a member of a department would serve overseas for two years and would then be replaced by a member of the same department. The view was expressed that two years is too long and a period of 18 months was suggested as a compromise. I asked members of the CAAC, who have an interest in the proposal, to report back with their comments within ten days.

We then went on to a discussion of the problems of the status of non-faculty research personnel. I requested suggestions and members of the CAAC described the various ways in which this is handled in the University. Pitzer suggested that examination of the problem could begin where continuity of financial support is fairly certain, as for example, at the Radiation Laboratory. I mentioned that the scientific personnel structure of the Brookhaven National Laboratory includes the concept of tenure staff people. I suggested that for a beginning, titles for these people could be preceded by the word "research" and that they could be listed in the University catalogue. Smith referred to the use of such terms as "clinical" and "adjunct" titles in use at the Medical School. I asked Ed McMillan to chair a committee to consider this problem in detail and make a recommendation.

I went back to my Chancellor's office for a little while to go over my papers with Anna Carol and Kitty, then went back to the Chancellor's Conference Room to preside over the meeting of the Academic Advisory Committee (AAC).

The members present were R. G. Bressler, C. W. Brown, L. Constance, W. E. Farnham, J. D. Hart, C. W. Jones, A. E. Hutson, F. L. Kidner, W. Moonitz, and E. W. Strong. Our entire meeting was devoted to the question of policy on restrictions on enrollment--a serious matter because we have to keep the enrollment at a manageable level. It was agreed that it is more difficult to restrict enrollment at the level of the upper division and professional schools, but it was also recognized that it is virtually impossible to impose a numerical limitation without imposing limitation by quality in the lower division. We decided that the issues raised in regard to educational policy in admissions policy cannot be resolved in the absence of statewide policy.

We decided to invite to the next meeting of the AAC, E. B. Roessler (Vice Chairman of the Board of Admissions) and Herman Spindt (Director of Admissions and Director of Relations with Schools) to obtain their opinions on procedures which might be appropriate for controlling and allocating enrollments. The next meeting of the AAC will be held a week from today at 3:15 p.m. Our meeting was adjourned at 4:25 p.m.

The members of the AAC left just barely in time for the members of the Committee on Campus Planning to come in to the Chancellor's Conference Room for the start of its meeting at 4:30 p.m. I presided over the meeting of this Committee with Dean William W. Wurster present as a Committee member and Regent Donald H. McLaughlin, Chairman and the other Committee member, absent. Also in attendance were Vice Chancellor Edward W. Strong, Professor C.W. Brown, and from the Office of Architects and Engineers, L.A. DeMonte, N.H. Dyer, and A.R. Wagner. DeMonte presented to the Committee a description of

the schematic floor and site plans and a small scale model for Building 88, which will be located west of the existing gate house at the Lawrence Radiation Laboratory to house the 88-Inch Cyclotron. We observed that adequate safety precautions will be necessary at the intersection of Cyclotron Road and the building access road. I expressed general satisfaction with the general design of the facilities.

DeMonte reported that an additional cooling tower is required to service the Bevatron and the Committee recommended that this be located southeast of the Bevatron and adjacent to the existing tower.

DeMonte recommended the appointment of Lawrence Halprin as Landscape Architect for Residence Halls #1 and #2, which recommendation the Committee approved

He suggested that Thomas Church be invited to a forthcoming meeting of the Committee on Campus Planning for an informal discussion concerning landscaping aspects of the Berkeley campus. DeMonte requested the Committee's opinion concerning the possibility of a road from the lower regions of Strawberry Canyon connecting with Grizzly Peak Boulevard which would provide an additional vehicular access to the Lawrence Radiation Laboratory. The Committee agreed and requested the Office of the Architects & Engineers to investigate the feasibility and possible alignment of such a route.

Wagner reviewed a proposal by the Berkeley Planning Department to the Berkeley Planning Commission for a second access road to the Panoramic Hill area, but the Committee was not convinced that this proposal provides the best solution and requested that an additional study be given to the problem.

The meeting was adjourned at 5:15 p.m.

Anna Carol brought me in a copy of today's Berkeley Gazette, which carries a picture of me receiving the Edison Foundation Award for our book, Elements of the Universe as "The Best Science Book for Youth" published last year, from Dr. Joseph W. Berker, an Edison Foundation trustee. This is the picture that was taken when I visited with Mr. Barker during my visit to New York last month.

When I came home Helen told me that she attended an orientation meeting at the Membership Lounge at the Berkeley Women's City Club on Durant Avenue; she has recently joined this Club in her role as "wife of the Berkeley Chancellor." She said she then went on and had coffee at 12:30 p.m. At 1:30 p.m. she attended the meeting of the Faculty Women's Section Club on Book Reviews.

This evening, in the study, I went through the folders of material prepared by my staff. In Kitty's folder I found a memorandum summarizing the situation with respect to allocations for academic and non-academic salary increases as they were recommended and discussed at the December and January Regents' meetings. She says that the governor's budget includes the following quote, "I have included in the budget a provision for a five per cent increase for salaries for all State employees for the fiscal year 1959-1960". The Governor's budget hence recommends for the University salary increase fund an increase of 5% for both academic and non-academic personnel.

A letter from Professor Lynne C. Monroe (Santa Barbara College of the University of California) recalled that when I spoke in Santa Barbara several years ago, I permitted her to hold the one inch cube of uranium that I used to

illustrate the amount of energy available in it during my talk. She would like to borrow this cube of uranium in order to show it to a group of people. I made a note that we should ask the Radiation Laboratory to make another uranium cube and send it to Professor Monroe.

In Jim Hart's folder I found a memorandum describing his meeting with Dr. Lee of Sungkyunkwan University suggesting an exchange of faculty between his University and Berkeley. Hart said that he referred him to the chairmen of a number of departments to see if any of these can discover a faculty member from Berkeley who would like to go to his university...and accept a faculty member from his university at Berkeley.

A memorandum from Bill Fretter described his talk today with George Jura (Chemistry Department) about Jura's work with the Extension Division on a summer program for instruction in radiation hazards. George is upset that the new Committee on Instruction and Radiation Protection is not aware of his labors along these lines. Bill said that he has informed Charles Smith, who will probably get in touch directly with George. I wrote a note to Fretter saying that I had first learned about this from Paul Aebersold in my meeting with him in New York last week.

I also read a memorandum from Hayden Gordon who has now read the draft of our proposal for the establishment of a Space Sciences Laboratory on the Berkeley campus. He expresses the view that this is consistent with his proposal to become involved in the design of heavy satellite payloads which could land instruments on the moon, Venus and Mars, and probe the atmosphere of Jupiter, and which would be recoverable after a few days of flight. I am asking Bill Fretter to look into this and to keep Otto Struve informed.

Thursday, February 5, 1959

I drove directly to Dwinelle Hall and joined Clark Kerr and others in the parking lot so that we could ride together to the Davis campus to attend a meeting between public school superintendents and University of California people, which was held in the lounge of Beckett Hall.

Kerr made the opening address in which he made the point that there are increasing problems in education in the United States today because of increases in the number of students and the need for knowledge and in the average skill level of the population. He went on to say that the University intends to maintain its present policy of admitting the top 12% of high school graduates but that it may weigh more heavily the requirements in critical areas such as English composition, mathematics and foreign languages. He also discussed the problem of encouraging more students to take an interest in teaching careers and brought out the need for continuing education for teachers, particularly in subject matter courses.

There was a good deal of discussion on the floor. I was asked to make some comments just before the meeting adjourned for lunch. I made the plea that people keep an open mind on the use of television in schools and mentioned Harvey White's national course in teaching physics on television, which is so successful. I suggested that there should be a tougher curriculum in high school and emphasized the importance of the teaching of science and mathematics, suggesting that there should be less emphasis on so-called methods courses in the training of teachers. I also suggested that there

BERKELEY DAILY GAZETTE

Wednesday, February 4

1959

Dr. Glenn T. Seaborg, Nobel prize-winning chancellor of the University of California here, accepts an Edison Foundation Award for his book, "Elements of the Universe," cited as the best science book for youth published last year. The award was given him by Dr. Joseph W. Barker, an Edison Foundation trustee. Dr. Seaborg is co-discoverer of nine of the 102 chemical elements. Co-author of the book was Evans G. Valens.

should be a longer school day in high school in order to cover a subject matter across the board adequately. I endorsed the idea of an internship--that is, a fifth year for the training of teachers in college, mentioning the program of the School of Education at Berkeley as a possible model.

I talked with Clark Kerr about the second speaker at my inauguration on Charter Day and he told me that Jim Killian had been invited. He said that if Killian is unable to accept, we will go ahead with Norman Topping. I had lunch with the group at Davis and then after lunch we drove back to Berkeley and I went to my Chancellor's Office in Dwinelle Hall.

I signed a letter to Clark Kerr written by Bill Fretter saying that our favorite site now for a Marine Biological Laboratory is in the area near Pacific Grove, which is at present partly occupied by the Asilimar Conference grounds. I also attached a letter from Hardin Jones, who strongly supports the establishment of a Marine Biological Laboratory on the Monterey Peninsula from the point of view of its freedom from fallout in the event of a nuclear war. I also sent a copy of Hardin Jones' letter to George Papenfuss and sent a note to Hardin thanking him for his suggestion and indicating that I have sent copies of his letter to Kerr and to Papenfuss.

Anna Carol told me that she has been in touch with Cornelius Tobias' secretary with respect to trying to find a time when Mr. Douglas Worf of NASA might visit here to talk with me; the present possibility seems to be April 9th.

At 3:40 p.m. I received a call from Tom Cunningham who indicated that at the meeting of the IAAC tomorrow he will appoint two committees. One will be concerned with the responsibilities of students in the administration of athletic programs and will consist of the student body presidents and the athletic directors and the chancellors and two members of the Academic Senate from Berkeley and UCLA. A report on this will be due on April 6th. He asked whether I will serve as Chairman and I declined. I suggested that Ed Strong serve as Chairman. The other committee would be concerned with eligibility, scheduling and recruiting, and would be chaired by John Vaughn (the alumni representative from UCLA) and would include Mortimer Smith (as the alumni representative from Berkeley), the two faculty representatives (Frank Kidner from Berkeley and Brad Booth from UCLA) and the two Athletic Directors (Greg Engelhard from Berkeley and Wilbur Johns from UCLA).

When I arrived home, Helen told me that she went with Eric to the playschool held this morning at the Bloxhams, our neighbors on Nordstrom Lane. She then attended a luncheon at the Wellmans' given by Ruth for Mrs. Daniel Aldrich in recognition of Dan's promotion to Dean of Agriculture-Statewide.

In my evening mail at home I read a letter from Claude B. Hutchison (Mayor of Berkeley), describing the history of the garden established in 1955 by the Rotary Club of Berkeley, the International Peace Grove of 100 California redwood trees in Tilden Park, established as a perpetual monument to those individuals among all races, creeds and nationalities throughout the world who make notable contributions to the cause of international peace and international understanding. The Club proposes to name one of these trees each year in honor of such an individual--the following persons have been so honored: in 1955 Paul Harris (founder of Rotary), in 1956 Dag Hammarskjold, 1957 Ramon Magsaysay, and 1958 Ralph Bunche. He is asking for nominations for this year which he would like to have not later than March 1st. I shall refer this to Milt Chernin for comments and suggestions.

I read a memorandum from L. H. Jensen of the University Architects Office regarding moves involved in the occupancy of California Hall, the Statewide Administration Building at 2200 University Avenue. In this game of "musical chairs" (as Kitty Malloy terms it), about two weeks from now the Berkeley Controller's Office will move from 2270 Telegraph Avenue to the fourth floor of Sproul Hall and the Berkeley Personnel Office will move from 2260 Telegraph Avenue to Dwinelle Hall Annex. The office of President Kerr and that of Vice President Wellman will move to spaces on the sixth and seventh floors in the new building, California Hall, the first week of April, as will the Secretary and Treasurer of the Regents and the office of the Counsel of the Regents, which will be on the first floor of the building, to be completed in mid-April.

I read a long memo from the committee that I appointed to study the possibility of our inaugurating interdepartmental faculty seminars on the Berkeley campus. The committee consists of Ed Strong (chairman), William Wurster, Kenneth Pitzer, Lincoln Constance and Charles Aikin (who approved the report by mail in his absence). The report says that the committee has not restricted itself to the faculty seminar idea but is submitting recommendations on ways of promoting contact and acquaintance among faculty members and different departments. The report mentions the four groups, the Cosmos Club, the Humanities Club, the Arts Club and the History of Science Dinner Club, which have the common pattern of a dinner meeting followed, usually, by presentation and discussion of a scholarly paper--three of these groups convene before dinner for libations.

The report makes a number of interesting suggestions:

1) It suggests that early in the Fall Semester each year members of the faculty advanced to the rank of Associate Professor and all new appointees in this rank be invited to a Chancellor's dinner to afford the opportunity for members of this group to become acquainted and to hear from me my views on matters of academic interest.

2) The report calls attention to the situation of Assistant Professors, especially in larger departments, and the need to give them more attention and support.

3) It suggests that the new Strawberry Canyon Recreation area be used as a facility for departmental hospitality.

4) It suggests that more use be made of the Adolph Miller property in the Santa Cruz mountains by the faculty for leisurely meetings, etc.

5) They recommended funds be made available to departments to defray costs of invitations for dinner for distinguished guests.

6) Departments holding colloquia should make it a policy to publicize and to invite attendance of faculty from other departments.

7) Special effort should be made to provide a subsidy needed for an interdepartmental program centered upon some major topic (e.g., executive power).

8) The orientation program for new faculty should be expanded to include an information meeting scheduled at the beginning of the Spring Semester.

9) An annual welcoming dinner for new members of the Men's Faculty Club should be proposed to the Board of Directors.

10) When the University House has been renovated, the attention of departments could be called to ways in which its facilities can be made available for faculty use.

11) Provision should be made through the use of endowment money to procure land for the use of faculty (for example, a portion of Chaparral Hill) which it can then use for faculty housing, as is done for faculty at Columbia University, Stanford University and many others which make housing available to faculty by rentals, land leases and like provisions. This is a very thoughtful report and I shall assign members of my staff to pursue follow-up on each of the 11 recommendations.

Friday, February 6, 1959

After spending a few minutes in my Chancellor's Office I walked over to Hertz Hall to give the welcoming remarks at the 11th Annual Industrial Engineering Institute. I was introduced by Paul DeGarmo (Chairman of the Division of Industrial Engineering) and talked for some five to ten minutes. I emphasized the value of these annual institutes, the importance of modern technical education, the need to upgrade skilled workers as industrial processes become more automatic, the importance of basic training in mathematics and science in the pre-college curriculum and the continuing study of these subjects during the college years, the potential powerful role of educational television to help overcome our broad deficiencies in technological learning as exemplified by the nationwide course in physics being given on national television by one of our Berkeley faculty, and the problem of scientific illiteracy of our future managers of business exaggerated by their tendency to take courses in business to the exclusion of courses which would give them a background in science and technology.

When I returned to my office in Dwinelle Hall, I received a call from Paul Dodd at UCLA at 9:50 a.m. inviting me to become a member of the Pacific Coast Committee of the American Council on Education, of which he serves as Chairman. I told him of my phone call from Nick Brown and of my acceptance with reservations of his invitation to serve on this committee.

At about 10:15 a.m. I left with Ed Strong to go to San Francisco to attend the 11 a.m. meeting of the CCCO and the President's Cabinet in Room 918 of the Crocker Building to get a briefing on Governor Pat Brown's cuts in the University budget. At the meeting it was agreed that the University would protest Governor Brown's budget-cutting as follows:

1) The high priority will be the request for reinstatement of funds that were cut because of misjudged enrollment figures.

2) A general protest will be made on some of the parking items that were cut.

3) Reinstatement of the University Garage will be requested.

4) Reappraisal of the value of Stephens Union and Eshelman Hall will be

requested.

5) Number one priority in the protest will be the retention of the 10% increase for academic employees rather than 5%, as the Governor's budget indicates.

After a quick sandwich lunch in San Francisco, Ed Strong and I drove back to Berkeley, accompanied by William G. Young (Vice Chancellor of UCLA) whom I knew from student days at UCLA when he served as a young instructor there. Bill told us that he is on the Chancellor's payroll full-time as a Vice Chancellor but he is supposed to have one-third time for research and he tries to have three or four graduate students; he teaches no courses. Vice Chancellor Vern Knudsen also serves full-time and gives it his full time. Bill handles budgetary matters and Knudsen handles public relations matters.

We went directly to Sproul Hall to attend, starting at 1:30 p.m. in the Regent's Room, a meeting of the Intercollegiate Athletic Advisory Council chaired by University General Counsel Tom Cunningham. In addition to Cunningham, Strong, Young and me, this meeting was attended by the Athletic Directors of Berkeley and UCLA (Greg Engelhard and Wilbur Johns, respectively), the Faculty Athletic Representatives (Frank Kidner and Brad Booth), the Student Body Presidents (Bill Stricklin and Rafer Johnson), UCLA Chancellor Raymond Allen and UCLA Vice Chancellor Foster Sherwood. The purpose of the IAAC is to coordinate athletic activities between the two campuses so as to assure that each campus is interpreting the rules in the same manner and obeying them. Our athletic policy is in a sort of state of flux due to the breakup of the old Pacific Coast Conference and the impending start up of the new Athletic Association of Western Universities this summer.

Cunningham appointed a committee on organization, financing and accountability for intercollegiate athletics, with Strong as Chairman and members Sherwood, Stricklin, Johnson, Engelhard and Johns and a Subcommittee on the Role of Intercollegiate Athletics at the University of California with Sherwood as Chairman and members Strong, Engelhard, Johns, Seaborg and Allen. A report from the latter committee is due on March 23rd, for use in determining which institutions are eligible for scheduling of athletic events. Young will gather information on the academic standing of institutions.

Wilbur Johns took me aside at the meeting and deplored the composition of Kerr's list of institutions to which we are limited in scheduling football games, and, in particular, complained about Kerr's lack of decision as to whether UCLA could include Texas Christian University or Oregon State College among its lists of football opponents. He said these restrictions on scheduling violate the concept of local autonomy for the campuses.

Brad Booth gave me a memorandum summarizing the arguments for a national football conference that Berkeley, UCLA, USC and the University of Washington might join and which might include such schools as the three service academies, the University of Pittsburgh, Pennsylvania State, Notre Dame and Syracuse University. These are all independents and not members of a conference now. He stated that Notre Dame is not interested in this kind of association because they have no scheduling problems and Army is also not interested, while Air Force Academy is. The national conference would assure good competition with excellent flexibility, provide new faces annually to provide interest, and might be in a position to offer strong leadership throughout the country. However, there may be some faculty, and possibly alumni, criticism

of the quality of the institutions recommended. In his memorandum Brad views the future of athletics at the University of California as, at best, uncertain. One suggestion made at the meeting was that the University of California might consider hosting a meeting at Lake Arrowhead of institutions interested in discussing the possibilities of a national conference.

When I returned to my office, Anna Carol told me that Harold Fidler called from the Radiation Lab in regard to the planned visit of two Euratom people to the Lab next week- Enrico Medi (Vice President of the Euratom commission) and Paul de Groote (the Belgian member of Euratom). There will be four others in the party and they want to discuss the development and organization of laboratories and so forth. It is planned to have a dinner for them next Tuesday evening, possibly at the Tunnel Inn in Lafayette and he wants to know if I would like to attend. Harold will call me on Monday.

I read a memorandum from Rollie Myers accepting my offer of appointment as Acting Chairman of the Department of Chemistry through September 11, 1959, during the absence of Bob Connick.

I signed a memorandum to Clark Kerr, submitting a memorandum by the Berkeley campus Assistant Business Manager, requesting approval of an application to the U.S. Public Health Service for construction and equipment money in the amount of $85,000 to increase the scope of the Giannini Hall and Hilgard Hall remodelling projects, which I recommend that he submit for the approval of the Regents at their next meeting on February 20th. Another memorandum to Kerr passed on the suggestion of the Building Names Committee that the name of the small room at the end of the Law School Library be named the "Vernon Smith Memorial Conference Room".

At the end of the day I rode with Clark Kerr to Tom Cunningham's home (1095 Arlington Avenue in El Cerrito) to attend a cocktail party for the members of the Intercollegiate Athletic Advisory Council and other University people. I used this opportunity to discuss a number of items with Kerr. I briefed him on Wilbur Johns' conversation with me at today's meeting of the IAAC, especially his criticism of the present list for football scheduling and the failure to get a decision on the Texas Christian University game. He wants an A and B list, the latter less stringent and subject to local autonomy for choice of schools to play only twice in ten years. I suggested to Clark that he attend the next IAAC meeting, if at all possible. I told him that he will have to decide whether the University of California is going to host a meeting of administrative heads to discuss the concept of a national conference, possibly to be held at Arrowhead on June 20th and 21st.

On another matter, in order to receive some guidance, I asked him to what extent, when he was Chancellor at Berkeley, he followed the recommendation of the Building and Campus Development Committee on major capital building priorities. He told me that he followed the recommendations in general, made some changes (but only in consultation with the BCD) and that they tended to rate student facilities and land acquisition too low and items for the faculty too high in priority. I told him that no one seems to be in favor of purchasing the 68 acres in back of the School for the Blind and he didn't disagree, but said that we should get it if we are given it free. I mentioned the recommendation by the committee chaired by Ed Strong, suggesting the use of Chaparral Hill for faculty housing (especially for young faculty). He said that this is a long range matter (if at all possible) because the Regents place student and married student housing ahead of this. I also mentioned the

recommendation of the Strong committee on the use of the Miller property in the Santa Cruz mountains, on which Kerr had no comment.

During the reception at Cunningham's home, I talked to Foster Sherwood and we agreed that he will prepare a draft of the report of the Subcommittee on the Role of Intercollegiate Athletics in the University of California (of the IAAC) which is due March 23rd, and this will be checked by mail or phone and it will not be necessary to hold a meeting of the Subcommittee.

Helen told me that she attended a meeting of the University Section Club Dues Committee this morning at the home of Mrs. Eugene Burgess at 1311 Devonshire Drive in El Cerrito.

Among the mail I read during the evening was a memorandum from Ed Strong commenting on notes I made covering my meeting with Wendell Stanley on the afternoon of February 3rd. He began by noting that the Statewide Committee on Building Priorities has approved the Berkeley campus request which asks for a high priority for the new Biochemistry Building and planning money will be available for 1959-60. He said that he will talk with Lincoln Constance about the plans to drop the names of Stanley, Knight and Williams from the Biochemistry roster, an action Stanley resents. He says that there may be additional space for Stanley beyond the already assigned 24,000 square feet when the Department of Biochemistry leaves the Virus Laboratory. I appreciate Ed's work on this situation, the results of which make it possible for me to pass on some more optimistic possibilities for Stanley.

Saturday, February 7, 1959

At 8:30 a.m. this morning Helen took Dave down to our neighbors, the Fishers, on Glen Road so that he could participate (with his friend Grant Fisher) in the Cub Scout trip . She later brought Pete and Lynne to Walnut Creek for an 11 a.m. appointment with their dentist, Dr. Packard.

In the course of the day I read a number of memoranda that I brought home from the Chancellor's Office. One from Jim Hart described the session he had on Thursday with Paul Taylor (Director of the Bureau of International Relations) in order to draw upon his abundant knowledge gained in his recent trip to Russia in getting background on our plans to make an agreement on the student exchanges between Berkeley and Soviet universities and institutes. In the course of his talk Paul expressed a desire to talk with me or my representative to discuss ways in which he feels the University is failing to discharge its responsibility in living up to his Institute's charter that it is to be a focal point for development and support of international studies. I penned a note to Jim, suggesting that Ed Strong (because he started to handle this area) meet with Paul Taylor to explore this problem.

I read a memorandum from Harry Wellman in reply to my memo of January 30, 1959 to President Kerr, authorizing us to allocate such space on the Berkeley campus to the Statewide Institute of Marine Resources as we believe to be justified in view of the space needs on the campus. A copy of this went to Director Wheelock at La Jolla.

Another memo came from Louis Henyey (Computer Center) in response to our memorandum dated December 19, 1958 recommending the appointment of a high level programmer to assist members of the Social Sciences departments in their utilization of the electronic computing facilities.

BERKELEY GAZETTE

February 6, 1959

Seaborg Calls For Education

Glenn T. Seaborg, chancellor of the University of California here, warned that the "lack of understanding of scientific principles among the great bulk of our working population is causing us grave injury," in a talk this morning at the university.

Speaking before the eleventh annual Industrial Engineering Institute, Seaborg asked for "basic training in mathematics and sciences in the precollege curriculum and continuing study of these subjects during the college years."

At the present time our industrial development is hampered, and hundreds of millions of dollars of our national defense contract money is being wasted because we lack technicians whose native intelligence has been developed adequately for efficient handling of their jobs."

The UC educator and Nobel prize winning scientist also called for schooling in science for business students, those who will be the "managers and personnel men who hire and guide the work of technical people." At the present time, he said, this groups lacks scientific literacy.

The meeting of industrial engineers and managers will continue through Saturday afternoon in the Hertz Music Auditorium.

OAKLAND TRIBUNE

February 6, 1959

Workers' Lack of Scientific Understanding Injures U.S., Dr. Seaborg Tells Engineers

BERKELEY, Feb. 6 — University of California Chancellor Glenn T. Seaborg today warned that lack of scientific understanding among America's workers "is causing us grave injury."

In delivering the welcoming address to the 11th annual U.C. Industrial Engineering Institute, Dr. Seaborg declared:

"Our industrial development is being hampered and hundreds of millions of national defense contract dollars are being wasted because we lack technicians whose native intelligence has been developed adequately for efficient handling of their jobs."

The Nobel prize winning chemist called for "basic training in mathematics and science in pre-college curriculum and continuing study of these subjects during the college years."

Seaborg told the opening session of the two-day conference that the upgrading of skilled workers will become increasingly vital as industrial processes become more automatic.

Although fewer workers may be needed to produce the same amount of goods, these workers will need greater intellectual training, he explained.

The Chancellor also stressed the importance of scientific schooling for business students, who will become "managers and personnel men who hire and guide the work of technical people."

Seaborg predicted that the deficiencies would be overcome through greater use of educational television and extension courses.

The meeting of industrial engineers and managers will continue through Saturday afternoon in the Hertz Music Auditorium.

SAN FRANCISCO CHRONICLE

February 7, 1959

Seaborg Calls for More Basic Science Training

Today's industrial technology demands more basic science training for the industrial workers, Chancellor Glenn T. Seaborg of the University of California declared yesterday.

Seaborg spoke at the 11th Annual Industrial Engineering Institute on the Berkeley campus.

Hundreds of millions of dollars are being wasted on defense contracts and American industrial development is being hampered, Seaborg said, because the Nation lacks adequately trained technicians.

The Nobel prize winner called for more "basic training in mathematics and science in the precollege curriculum, and continuing study of these subjects during the college years."

Business students and potential personnel managers also need more science training, he said.

A memorandum from Stan McCaffrey addresses the problem of deficits that the California Alumni Association has incurred over the last several years as a result of their assuming responsibility for the annual Charter Day banquet held in San Francisco and the annual Commencement luncheon held in Faculty Glade. McCaffrey stated that Wellman has approved our paying the bill for the Commencement luncheon held on June 13th and he suggested that Officers of the Regents and of the University and members of the faculty pay their own way to the Charter Banquet and the Commencement luncheon and that the Secretary of the Regents purchase the tickets to the Charter Banquet and Commencement luncheon for members of the Regents.

Another memo from Bill Fretter passes on the suggestion of Roger Stanier (Bacteriology Department) concerning the possible establishment of a Western Committee on the Detection of Life on Other Planets; Stanier says that Bruno Rossi of MIT is a chairman of a committee to consider experiments for this purpose and Stanier is being asked to help establish a parallel committee on the West Coast. Bill wrote that he has sent Stanier a copy of the Space Sciences Laboratory preliminary draft proposal and also a list of the members of the committee for his information.

I read a memorandum from Harry Wellman announcing that Clark Kerr is establishing a Statewide Radio and Television Committee under the chairmanship of Paul H. Sheats and asking for a suggestion within the next week of a representative of the Berkeley Chancellor's Radio & Television Committee to serve on the Statewide Committee. Members of the Chancellor's Television Committee are: C. M. Hulten (Chairman), Donald Coney, Sandy Elberg, Maynard Morris, Chester Swanson, Albert G. Volz, Harold R. Walt, G. A. Wessels, Harvey White and Robley Williams.

Sunday, February 8, 1959

This morning Helen drove Pete to attend the 9 a.m. services for the Boy Scouts at Hidden Valley Presbyterian Church. I spent the day with the kids with some time out for reading journals.

Monday, February 9, 1959

Today is the first day of classes for the Spring Semester. When I arrived at my Chancellor's Office I asked Anna Carol to get in touch with Harold Fidler to tell him that I am not going to be able to attend the dinner for the Euratom people tomorrow night; she called and was able to reach Fidler to give him this information.

I signed a letter, drafted by Bill Fretter, addressed to John McCone (Chairman of the AEC) calling his attention to the fact that the five Russian scientists that visited our campus on February 1st and 2nd (on an official tour accompanied by Mr. Brady of the State Department) were not able to obtain permission, on short notice, to visit the Lawrence Radiation Laboratory as they wished to do. I suggested that a more flexible policy be arranged, by agreement between the AEC and the State Department, that would permit visits to the Lawrence Radiation Laboratory by Russian scientists without advance notice because nothing of a classified nature exists at the Laboratory that would involve violation of security. A carbon copy of this went to Director

Ed McMillan.

I read a letter from James M. Miller (Assistant Vice President-Business Affairs) stating that Project 30 under AEC Contract AT(11-1)-34 contemplates injecting tritium into the Los Angeles River bed, which he thinks raises a legitimate question as to our position regarding health and safety aspects as well as for our public relations. He suggests that this proposed investigation should be re-examined by my office. I certainly agree and penned a note to Bill Fretter asking him to call Nels Garden, who is in charge of radiation safety at the Rad Lab, to obtain his opinion on this. (I learned later that Associate Professor of Sanitary Engineering Warren J. Kaufman is in charge of this project and he contemplates discharging 500 curies of tritium into the Los Angeles River in order to make his measurements.)

Charles Smith (Dean of the School of Public Health) came in to see me at 10:30 a.m. He said that the State Department of Public Health building adjacent to the campus (just west of Oxford Street) has inadequate space to meet its needs; the present space of about 180,000 square feet needs to be doubled. He said that Malcolm Merrill (State Director of Public Health) has informed us that, if there could be a prompt agreement that the University would make land on the Gill Tract available for the construction of the larger building, the University could be given (in exchange) their present headquarters building adjacent to the campus. This sounds like a good deal to me and I will need to query President Kerr about this right away and will discuss it at tomorrow's meeting of my Cabinet.

As usual for a Monday, I went up to the Radiation Laboratory to attend, in Perlman's office, the regular bag lunch meeting of the key staff of the Nuclear Chemistry Division. While there I signed a letter, prepared by Eileen Carson, directed to the Alumnus of the Year Selection Committee of UCLA, nominating Stan Thompson for the 1959 Dickson Achievement Award (Alumnus of the Year Award). I base this on his main accomplishments--the conception and development of the Large Scale Separation Process for Plutonium (at the Met Lab at the University of Chicago) and his work on the discovery and study of several transuranium elements.

I also noted a letter from Bob Staniforth (Assistant Director of the Monsanto Chemical Company in St. Louis, Missouri) requesting a chance to meet with me to discuss their "Chemicals for Electronics" program when he is here on Thursday, February 19th. I asked Iz Perlman to respond to this saying that I will not be in Berkeley around that time and offering to have someone else help him.

I also noted a letter from Reverend Peter McCormack, formerly Protestant Chaplain at Alcatraz, and also signed by six others (including Harold Urey) asking me to serve on a proposed enquiry commission which will undertake a thorough independent and impartial public examination of the issues in the Rosenberg-Sobell trial; I doubt that I have the time or inclination to do this.

When I returned to my Chancellor's Office I signed letters asking Ed McMillan to serve as Chairman and Ray Bressler, Jim Hart, Ken Pitzer, Wendell Stanley, Sanford Mosk and W. N. Kennedy to serve on a committee to advise me on policy relating to non-faculty professional research personnel employed by the University. (Later Dave Templeton was asked to serve in the place of Ken Pitzer.)

At 2:45 p.m. I received a call from L. M. K. Boelter (Dean of Engineering at UCLA) asking me to support his recommendation for the promotion of Tom Hicks (whom I knew when he worked as a Chemical Engineer in the Radiation Laboratory shortly after the war). He said that both the review committee and the Budget Committee disagree with his recommendation because Hicks is short on research papers- which Boelter explained on the basis of his outside work and his one and a half year stay in Indonesia, etc. He wants me to write a letter but I said I wouldn't write a new letter but they could use my letter of some five years ago and say that this evaluation of him still stands.

At 3 p.m. I received a call from Frank Kidner who said that he cannot make it to the meeting of the Intercollegiate Athletic Advisory Board tonight (which I also will not be able to attend). He discussed with me a student eligibility case--saying that he is inclined to ask Herman Spindt for an exception to allow him to enter the University on the basis of information he has; I said to go ahead. I told him that Clark Kerr probably won't go for the revisions of the scheduling suggested by Wilbur Johns and, therefore, he (Kidner) will have to carry the ball and keep the IAAC schedule subcommittee within bounds. We agreed that Kidner will go for a single list but might end up supporting a "B" list which also includes local autonomy and choices of scheduling. A "B" list would consist, in Wilbur Johns' proposal, of schools of lower academic and entrance standards than we would like to see.

At 4:30 p.m. I called Bob Rice (a chemistry teacher at Berkeley High School) to tell him that I will not be able to make the presentation at the Science Fair at the California Academy of Sciences in San Francisco on April 17th because I will be in meetings in Los Angeles all day April 17th and 18th. He agreed to my withdrawal and I promised to do it next year, suggesting that for this year he might call upon Felix Bloch (Stanford), Melvin Calvin, Ed McMillan or Kenneth Pitzer.

Dan Wilkes called and talked to Anna Carol to tell her that Harry Wellman has asked him to prepare a briefing memo for Kerr to use at the February meeting of the Regents Educational Policy Committee, when he reports regarding the new Space Sciences Laboratory. I told Anna Carol to pass the word to Dan that I will want to see what he produces before he sends it on to Kerr. I said to tell Dan that he should make it clear in the memo that we want the Space Sciences Laboratory in Berkeley and that he should work with Bill Fretter on the preparation of the memo.

I sent a letter to Karl K. Darrow (Secretary of the American Physical Society) saying that in response to his letter of invitation of January 7, 1959, I have decided to ask for a raincheck on my promised talk to the APS because our Heavy Ion Research group does not feel that we have much new information at this time.

When I came home, Helen told me that she had lunch with her friend Fran Sommer today.

Tuesday, February 10, 1959

I sent a letter to William Boquist (science writer for the San Francisco Examiner) in response to his letter of February 2nd advising me of the difficulty he has had in getting into the Radiation Laboratory. I said that I

have discussed this matter with Ed McMillan and Dan Wilkes and that I understand that both of them have talked with him, expressed their regrets, and reached an understanding on the procedure for entering the Laboratory that is agreeable to him.

I received a preliminary report from Registrar Clinton C. Gilliam, summarizing the registration figures for all campuses of the University for the Spring Semester and comparing them with the same figures for a year ago.

We received a call from Jim Killian, saying that he will not be able to come to Berkeley to speak on Charter Day at my inauguration.

The brown bag luncheon meeting of my Cabinet was held in the Chancellor's Conference Room at noon. I reported on the meeting concerning Governor Brown's budget cut held in San Francisco last Friday with members of the CCCO and of the President's Cabinet. I noted that both Clark Kerr and Harry Wellman have told me that all the recommendations made at the meeting were accepted by the Regents Committee on Finance at their meeting on Friday afternoon.

I also described the meeting of high school superintendents that Kerr and I attended at Davis last Thursday, in which frank exchanges of views and criticisms took place and at which the superintendents expressed dissatisfaction with the University's scheduling so that it is impossible for teachers to take courses other than education courses at the University.

We agreed to continue to hold the CAAC meetings in the Chancellor's Conference Room despite the crowding, because of the convenience.

I asked all members of the Cabinet to examine the Berkeley campus Major Capital Improvements Program for 1960-61 and to make recommendations for additions or changes at the Cabinet meeting next week. The Biochemistry Laboratory will be moved up on the priority list as a result of the meeting of the Statewide Coordinating Committee last week and will be on the February Regents agenda for action.

Charles Smith, C. W. Brown, Louis DeMonte, A. R. Wagner and Roy Routsong then joined the meeting to discuss the possibility of exchanging the State Department of Public Health building for ground on the Gill Tract. We concluded that all attempts should be made to effect a trade and that other areas than the Gill Tract should be explored, because this area is needed for married student housing. The case should be made that the building would be given to the University in addition to our present building program.

After the meeting, at 2 p.m., I met with Dan Wilkes to discuss his draft of the memorandum for Wellman on the Space Sciences Laboratory. I want to be sure that emphasis is placed on the importance of having this laboratory at Berkeley.

I held my regular weekly meeting with Lincoln Constance from 3 p.m. until 4 p.m. rather than from 11 a.m. to noon (the usual time). Among the items discussed were:

1) Astronomy Chairman Otto Struve's letter of January 27th and his note of January 30th, concerning the offer to him of the directorship of the National Radio Observatory; I suggested that Ed Strong and Bill Fretter be brought into the problem so that we can make every endeavor to induce Struve to remain here.

2) We decided to ask Esmond Snell (Biochemistry Department Chairman) to meet with us next week (February 17th) at our conference hour to discuss the problems involving the academic titles and departmental titles of Professors Knight, Williams and Stanley.

3) Constance reported on the status of our negotiations with Dwight Waldo about accepting the directorship of the Bureau of Public Administration He said that Waldo and Ernst Haas of the Political Science Department have declined offers from the University of Iowa and Columbia University, respectively.

4) We discussed Travis Bogard's letter of January 29th. I indicated support of Constance's conclusion that Bogard should not be asked to undertake the chairmanship of the Department of Dramatic Art until his book is completed and, probably, his full professorship is attained.

5) Douglas Chrétien is working 0.5 FTE as campus coordinator of the National Defense Education Act and 0.5 FTE in Linguistics; it was agreed that the appointment should be continued on this 50/50 arrangement on a year-to-year basis.

6) He gave me a memorandum covering a conference that he had with John Kelley (Mathematics) on February 3rd. This summarizes a number of offers that have been made to faculty in the Department of Mathematics- of special interest is the statement that Shiing Shen Chern (aged 49, salary $16,000) will come to Berkeley for two weeks this spring. Every effort will be made to see that he meets me and others with a special interest in Mathematics because we want to convince him to join the faculty at Berkeley.

7) He also gave me a memo covering his conference last Tuesday with Andreas Papandreou (Chairman of the Department of Economics); of special interest is the Department's recommendation that Henry Rosovsky be promoted to Assistant Professor Step II as of July 1, 1959 despite the fact that his Ph.D. will not be awarded until June 10th.

Helen and I attended a reception at the home of Dean and Mrs. William Wurster (1459 Greenwood Terrace) honoring Ernesto Rogers and Professor and Mrs. Steen Rasmussen.

Helen told me that Eric attended playschool at our neighbors, the Cummocks, this morning because she attended meetings of the Rental Committee and then the Board of Directors of the YWCA. In the afternoon she attended an informal tea at Mrs. Carol Sibley's in Berkeley.

Wednesday, February 11, 1959

This morning I went directly to the Radiation Laboratory to attend the meeting of the Associate Directors. I then stayed on to talk to Iz Perlman and my graduate students, Vic Viola, Glen Gordon, Eldon Haines and Marshall Blann, until about noon, when I had a quick lunch with the group before continuing on down to my Chancellor's Office.

Anna Carol met me with the news that President Kerr's office had phoned in regard to my memorandum of February 5th concerning plans for the establishment

DAILY CALIFORNIAN
February 10, 1959

Kerr, Seaborg Issue Welcome to Students

These words of welcome are intended particularly for those of you who are enrolling in the University of California this semester for the first time. I hope that the next few months will prove a promising beginning to a successful University career.

You are joining your fellow-students and the members of the faculty in an exciting enterprise—the enterprise of University education. Some of you have your future career firmly in mind and are making specific preparations for them; others are still in the exploring stages.

In either case, in addition to the classroom activities which are your primary responsibility, I hope that you will take advantage of the many non-classroom opportunities at the University—the organized activities, the lectures, concerts, and the other special events which fill the calendar, for education is obtained in more places than the classroom alone.

A true education cannot be defined soley in terms of semester-hours of credit, essential as that formal measurement may be. It must, rather, be gauged by its impact on the whole personality and way of life of the student. This is the basis for my concern that you respond to as many as possible of the wide variety of opportunities the University has to offer you.

President Clark Kerr

CHANCELLOR GLENN SEABORG

PRESIDENT CLARK KERR

As the spring semester opens, I should like to extend a warm welcome to all students, especially to those of you who are coming to the University for the first time.

If there is one thing in particular that a new student should remember, it is that the University is not merely an information filling station. True, I trust that each of you will acquire a significant store of knowledge. But it is even more important that you learn well the techniques of learning and of thinking for yourself, for education is but an apprenticeship for life.

Our society accepts the ideal of equal opportunity for utmost development of each individual's talents. The outstanding faculty and the extensive and varied facilities of this intellectual environment, generously provided by the people of California, give ample assurance that the opportunity is here. The rest is up to you.

In a well-rounded university experience you can acquire the wealth that will enrich your life and the lives of those around you through all the years to come.

Chancellor Glenn T. Seaborg

of a Marine Biological Laboratory near Pacific Grove to express thanks.

There was also a message that Mike Hone of the Executive Committee of the ASUC would like to have a meeting with me to explore my feelings on the role of students in intercollegiate athletics. He would like this meeting with me before next Tuesday's meeting of the Executive Committee, at which Hone and Bill Stricklin are planning to propose an amendment to consider intercollegiate athletics in closed session, when they would discuss statewide aspects and the role of the Executive Committee in formation of athletic policy. Anna Carol also said that Janie Semple of the Daily Cal with another reporter came by to request an appointment with me to discuss my attitude toward the amendment which would provide for closed sessions, which they apparently are disturbed about. I suggested Anna Carol try to have Hone come by tomorrow afternoon and Semple on Friday morning. She called Hone and Semple but couldn't reach them so she left messages with this information.

She told me that Milton Chernin's suggestion for people to honor in the naming of trees in the Rotary Club's International Peace Grove are Sir Hugh Foote (Governor of Cyprus) for his part in solving the Cyprus crisis, or Harry Labouisse (Director of the United Nations Middle East Refugee Program).

I read a handwritten note from Bob Brode, saying that he has notified Alan Waterman (Director of the National Science Foundation) that he expects to return to Berkeley in September of this year.

I sent a note to Lincoln Constance, enclosing the records of the departmental chairmanships in the College of Letters and Science, and asking for his recommendations for the year 1959-60 as soon as possible but no later than March 16th.

I read a letter from Elwin Marg (Associate Professor of Physiological Optics), in which he urgently requests additional quarters for his animals in the Optometry Building in order to continue research on the visual pathways of the brain. This is accompanied by a memorandum from Kenneth Stoddard (Dean of the School of Optometry) endorsing Marg's request, and a memorandum from C. W. Brown (Acting Chairman of the BCD Committee) endorsing the request and recommending that I write Architect Louis DeMonte to ask him to make a study of the feasibility of enlarging the basement of the Optometry Building in order to meet Marg's space requirements. I immediately sent a memorandum to Louis DeMonte, asking him to make such a study.

I signed a letter to Donald Riley (Department of Psychology) asking him to serve on the Chancellor's Committee on Discrimination, of which Robert Cockrell serves as Chairman.

I read a long memorandum from the Chancellor's Ad Hoc Committee on University and International House Interrelationships--the members of this Committee who signed the memorandum are Jack Oswald (Assistant Vice President), William F. Shepard (Dean of Men) and Alex Sherriffs (Vice Chancellor-Student Affairs). They point out that the Committee on Student Facilities in 1955 and the Student Affairs Committee in 1957-58 recommended that the Foreign Students Advisor should have an office on the campus and should be placed physically within the Office of the Dean of Students. The Student Affairs Committee also made a second recommendation which was to establish the part-time position of an Exchange Service Officer, who would provide information and assistance to the faculty, the administration and the Dean of Students in regard to travel,

foreign exchange, taxation matters, technicalities in regard to exchange programs and so forth. The Committee believed that should this officer also be the Director of the International House, then the Exchange Service Officer might logically be housed in International House. These recommendations were all accepted by then-Chancellor Clark Kerr. This report of the Chancellor's Ad Hoc Committee reiterates the recommendation that the Foreign Student Advisor be within the Dean of Students Office rather than located in International House, as it is now. I immediately sent a copy of this report to Allen C. Blaisdell (Director of International House).

I read a memorandum from Arthur M. Ross (Director of the Institute of Industrial Relations) suggesting that California Hall, which will have to be renamed in the near future because the new Statewide Administration Building will be given that name, should be renamed the Industrial Relations Building. Since I have a suggestion from the Building Names Committee that old California Hall not be renamed until we know the future functions that will be housed in it, and that until this is done we refer to the building as "Old California Hall", I signed a memorandum to Ross, passing on this information. I also signed a memorandum to Kerr, informing him that the Building Names Committee has recommended that old California Hall be referred to as "Old California Hall" until the future functions to be housed in it are known.

At 2:30 p.m. I had an appointment with Clyne Garland (College of Engineering) to discuss the question of the deanship of the College. The question of a successor to Mike O'Brien as the dean is causing a good deal of furor in the College.

I put in a call to Governor Pat Brown, and talked to his assistant Mr. Tuck, to invite the Governor to speak at a University Meeting late in February or in April. Tuck will try to arrange something and let me know.

At 3:15 p.m. in the Chancellor's Conference Room I presided over a meeting of the Academic Advisory Committee with the following members present: R. G. Bressler, C. W. Brown, L. Constance, W. E. Farnham, J. D. Hart, C. W. Jones, A. E. Hutson, F. L. Kidner, M. Moonitz, A. C. Sherriffs, M. A. Stewart and E. W. Strong. Herman Spindt (Statewide Director of Admissions and Director of Relations with Schools) was present by invitation.

I opened the discussion by stating that the Committee's earlier deliberations demonstrated that the formulation of individual campus plans is dependent on the formulation of statewide policies and procedures regarding intercampus assignment of students. I asked Spindt to speak on this point and he presented a paper, "Intercampus Assignment of Students Under Conditions of One Campus Limitation", and an accompanying admissions blank.

After the discussion it was agreed that the problem should be presented for presidential consideration in the form of a memorandum from me, to be drafted by Vice Chancellor Strong, taking account of the substantial points in Spindt's paper and relevant comments from members of the Committee. This draft will be considered at the next meeting of the Committee. The meeting was adjourned at 4:35 p.m.

I went back to my office, where I immediately had an appointment with Robert Hudson of the National Educational Television and Radio Center, now known as NET. He wanted to know whether it would be all right to go to a commercial firm for support of Wendell Stanley's TV series on viruses--for example, a

pharmaceutical house--and I said that this would be okay if it is absolutely "free" money. He told me that NET would be pleased if when I go to Russia, I would do some filming, for example, as Norman Cousins is doing on his trip. He called my attention to the new "Platform" series of NET in which they film resident and visiting professors in class.

In the late afternoon Helen and I went to the Claremont Country Club, as arranged by Bill Monahan, to meet with the Membership Committee in a get-acquainted session, preparatory to our joining the Club under a special faculty membership. Our hosts were Mr. and Mrs. Robert Mulvaney. (Mr. Mulvaney is the Chairman of the Membership Committee.)

During the evening I attended a Dad's meeting in connection with Pete's Boy Scout troup at our neighbors, the Hayes' residence (3670 Nordstrom Lane).

Thursday, February 12, 1959

When I arrived at my office this morning, I signed some letters, including the following. One went to David C. Beckler (Executive Officer of the President's Science Advisory Committee) enclosing the form of information that they require in connection wit my service on the PSAC; I noted that I would like to serve as a consultant without compensation and regret that I shall not be able to attend the February meeting of the Committee.

I also sent a memorandum to Clark Kerr in regard to his memorandum of January 27, 1959, "Policy for Student Housing Administration", stating that the Student Affairs Committee has recommended to me that the Office of the Dean of Students have primary and direct responsibility for the area of student life in the men's and women's residence halls and that this office, rather than the Housing Supervisor, should have responsibility for the selection, training and supervision of all Head Residents and graduate students and finally that the title of Housing Supervisor be changed to the more definitive one of "Supervisor of Housing Services". I said that I concur in these recommendations and would appreciate his considering the possibility of changing his directive of January 27, 1959 to conform with my recommendations.

Another letter went to Mr. Ivan Tognelli (Assistant Vice President of the Continental Service Company in San Francisco) informing him that the Board of Regents was delighted to accept the offer of the Continental Service Company to enrich the entrance lobby of Giannini Hall by placing a bust of A. P. Giannini at the upper level and by placing furniture for student conversations at the lower level of the lobby.

Anna Carol told me that she received a phone call from Eileen Carson at the Radiation Laboratory, passing on the text of a cable I have received there from Professor Kozlov of the Eighth Mendeleev Conference in Moscow, stating "We very much regret your absence at the conference. We are returning your report by air. We await Ghiorso's paper." Eileen said that she has informed Ghiorso.

Anna Carol also told me that George Cuthbertson of Stiles Hall came in regarding the Faculty-Student Conference to be held March 6th- 8th sponsored by Stiles Hall and the YWCA. He wanted to know whether I would authorize an announcement in the University Bulletin and give the program my endorsement. I suggested to Anna Carol that she seek the advice of Ed Strong and Alex Sherriffs, who have previous experience with this.

In the midmorning I left to go up to the Radiation Laboratory to help host the visit of Gösta Werner Funke (Secretary General of the Swedish Atomic Energy Commission), who is visiting the campus, the Radiation Laboratory and the Livermore Laboratory yesterday, today and tomorrow. I had lunch with him in the Radiation Laboratory cafeteria.

On the way back to Dwinelle Hall, I ran into Gloria Copeland (President Kerr's Executive Assistant). I told her that I have decided on Norman Topping as the second speaker at my inauguration and she said she would tell Kerr. She said that Kerr thinks that it might be okay to have an unobtrusive, unannounced greeting-type speech by Charles Malik at my inauguration which would thus be consistent with his later appearance as the main speaker at UCLA; I agreed and suggested that Kerr investigate the possibility. I mentioned the faculty committee recommendation that Edward Tolman be given an honorary degree at the Charter Day ceremonies. Because he was a faculty leader in the fight against the Loyalty Oath this might present some problems with some Regents--especially Ex-Regent Jack Neylan--and Gloria suggested that Kerr might want to explore this first with some Regents and also that I might call Neylan.

When I returned to my office, I called Dan Wilkes at 1:30 p.m. and told him that we have decided on Norman Topping to be the second speaker at my inauguration. Dan had sent me a memorandum suggesting that we have a speaker of national reputation such as Grayson Kirk (President of Columbia University), Lawrence A. Kimpton (Chancellor of the University of Chicago), Harlan A. Hatcher (President of the University of Michigan), David D. Henry (President of the University of Illinois), Carol L. Newsom (President of New York University), William E. Stephenson (President of Oberlin College), Gaylord Harnwell (President of the University of Pennsylvania), Conrad A. Elvehjem (President of the University of Wisconsin) or Charles E. Odegaard (President of the University of Washington).

At 1:50 p.m. I called Ex-Regent Jack Neylan at his home in Woodside. He is recovering from a rather severe case of shingles. I discussed with him the question of our awarding an honorary degree to Edward Tolman and Jack said he thinks this should be settled solely on the basis of his eminence and the usual criteria. He said he would object to a fellow like Ernest Kantorowicz, who was a professor of History at Berkeley and one of the nonsigners of the Loyalty Oath and one of the six who elected to resign and eventually receive severance pay. Neylan referred to a pamphlet of, in his view, serious consequences, by this man.

At 2 p.m. I had an appointment with Stefan Riesenfeld, Professor of Law who has been Acting Director of the Institute of International Studies during the Fall Semester while Paul Taylor was away. He is on sabbatical leave this semester and is about to leave for Australia. He hopes that I can find some means (possibly industrial) for financial support of the Institute of International Studies. He would like to have a project or institute on the Soviet Union to study economic matters, relations and so forth. I mentioned the possibility of contacting Cyrus Eaton, who sponsors the Pugwash Conferences and who has an obvious interest in this area. He mentioned difficulties in the operation of the Institute because of dissension and especially because of lack of understanding by departments and people who have not been involved. He thinks that if I would give him moral support when the occasion presents itself, this would help. He deplored the loss of Dick Park,

who has resigned to accept an associate professorship at the University of Michigan, indicating that this is a real blow to the India Studies area. I said I would look for opportunities to commend the value of the Institute to the faculty, because I believe in its value.

On my desk I found a memo from Lincoln Constance, with an accompanying letter from Delmer Brown (History), recommending that we offer Professor Gordon Wright of Stanford University the Shepard Chair of History at Berkeley. Brown says that before a formal recommendation to Constance can be made, it would be proper to first see if Wright would be interested in accepting such an offer and would like to have Constance's approval in time for sounding out Wright prior to the next meeting of their department's Tenure Committee scheduled for tomorrow. This raises some problems because we have a University of California-Stanford University "non-raiding" agreement, which requires that advance approval by the raided university's president or chancellor must be obtained before an offer to tenured rank is proffered. I recall that Wally Sterling allowed Stanford people to approach Dow Votaw of our School of Business Administration, without particularly adhering to the terms of the non-raiding agreement and, therefore, I decided to call Sterling to inform him of our plan to approach Wright.

Beginning at 2:30 p.m. I met in my office for about 20 minutes with young Mitchell Fink. I autographed his copy of Elements of the Universe and discussed some elementary principles of atomic and nuclear structure with him. It pleases me to see a youngster like him so interested in science through our book.

I called Wally Sterling at 2:50 p.m. and told him of our hope to offer the Shepard Chair in History to Gordon Wright. Sterling said that he is the Chairman of their History Department and he will check with Dean Philip H. Rhinelander as to how critical Wright's position is at Stanford. Sterling gave the impression that our non-raiding agreement contemplates that we abstain when the man is in a critical position. I took advantage of the occasion to remind him that he hadn't told me about this in the Votaw case.

At 3:30 p.m. I met with Mike Hone, member of the ASUC Executive Committee. He told me about his plans to propose an amendment to the ASUC constitution that will allow the Executive Committee to consider athletics in closed session. I told him that I think that this might be very useful and that I will make some inquiries as to the legality of such a move and then probably issue a public statement, mentioning the usefulness of such sessions in getting student opinion which would not be otherwise possible in open sessions.

Sterling called back at 4 p.m. to say that Stanford will do everything they can to hold Wright but that he guesses he can't stop us from making an offer.

Following my meeting with Mike Hone, I called University General Counsel Tom Cunningham at about 4:05 p.m. and told him about my plan to issue a statement, endorsing executive sessions of the Executive Committee of the ASUC, in which I would mention the usefulness of such sessions in getting student opinion. Tom didn't seem to have any objection to this. While I had him on the phone, I also raised the question whether the Vice Chancellors for Student Affairs (that would be Alex Sherriffs here and a man to be chosen at UCLA) might not attend the IAAC meetings. Tom said he will recommend this to Kerr. I also mentioned the difficulties in adopting the scheduling principles, that is an "A" and a "B" list, mentioned by Wilbur Johns at the last IAAC meeting; Tom said he will also discuss this with Kerr.

At 4:50 p.m. I returned a call from Bruce H. Thayer (Vice President of the Sacramento County Teachers Association), in which he invited me to be the dinner speaker at their annual meeting on March 5th. I couldn't reach Mr. Thayer but I spoke to Mrs. Thayer and told her that I am forced to decline the invitation because I will be in Washington at that time.

At home in the evening I read a number of memoranda, including three from Dean Constance and two from Dean Pitzer. In one memorandum Constance covers his conference with Wendell Stanley last week, in which Stanley reiterated his feeling that if Biochemistry is to get a whole new building, then Virology should certainly get more than the third floor of the Virus Laboratory, and his strong feeling that he, Williams and Knight, should retain their titles in the Department of Biochemistry.

In another memorandum of conversation, Constance covers his meeting last week with Joseph Kerman (Department of Music), in which Kerman expressed the wish to have the American Musicological Society meet at Berkeley at Christmastime 1960 (an event that will require some money), the hopes of himself and Edward Lowinsky of the Department of Music establishing an Institute of Renaissance Music at Berkeley, his plans to ask for funds for the establishment of an "Opera Workshop" in the 1959-60 budget request, and his (Kerman's) offer from the University of Washington for a position on their staff (about which he will talk to Constance before making a decision).

The third memo from Constance attached a memorandum giving the recommendations of C. Willet Asling and William O. Reinhardt (Department of Anatomy of the School of Medicine) for the implementation of Kerr's directive of November 20, 1958 for the termination of the Institute of Experimental Biology and the distribution of its budget between the Department of Anatomy at San Francisco and the Department of Anatomy-Physiology at Berkeley.

The two memos from Dean Pitzer concerned:

1) The problem of attracting the very brightest young scientists to Berkeley (as a follow-up to the CAAC discussions of this) for which he suggests that we use our Miller Institute in a manner somewhat analogous to the Society of Fellows at Harvard to give unusually able young men complete freedom for two or three years just after they receive their Ph.D. (I made a note to suggest to Pitzer that this be discussed at the next meeting of the CAAC.)

2) He suggests changes of faculty office hours with emphasis on the latter part of the registration by mail. (I made a note that this should also be discussed at a CAAC meeting.)

I also read the minutes of the meeting of the Intercollegiate Athletic Advisory Board (IAAB), held at the Durant Hotel last Monday evening, which I missed. The minutes indicate that it was attended by students Gregg and King, faculty members Nordly and Stone, alumni Majors, Sullivan and Lom, and guests Davis, Engelhard, Gordon, Hastings and Stricklin. Items discussed included: 1) provisions for future officiating at athletic events following the termination of the Pacific Coast Conference; 2) the recommendation that the Freshman football schedule continue over a period of eight weeks with no more than five games; 3) the recommendation that the present scholarship advisory program for athletes be expanded; 4) the recommendation to the Executive

Committee of the ASUC that they approve a three year contract with Coach Pete Elliott at $17,000 per year, commencing March 1, 1959, with the understanding that the contract may be subject to renegotiation at the end of one year; 5) the recommendation that the basic responsibility for athletic policy and operations should be vested in the President of the University and the two chancellors; 6) the approval of the proposal to change the regular starting time of football games from 2 p.m. to 1:30 p.m.; 7) reiteration of a request that specific consideration to athletes be given in connection with rooms and residence halls and with regard to "hashing" jobs in the new residence halls; and 8) considerations regarding the organization of the Athletic Association of Western Universities, noting that it is hoped that the selection of an Executive Officer will be completed in time to set up operation by July 1, 1959.

Friday, February 13, 1959

When I arrived at my Dwinelle Hall office this morning, I asked Anna Carol to notify Lincoln Constance that it is okay to go ahead and approach Gordon Wright at Stanford University to ascertain his possible interest in a position at Berkeley.

I signed a number of letters. One went to Mrs. John G. Hatfield (Chairman of the Advisory Board of the University Young Women's Christian Association in Berkeley) accepting her invitation to speak at their annual international dinner to be held on April 14th and suggesting as a title for my talk, "The Nuclear Age". I feel that I should do this because of Helen's involvement with this Association.

I wrote a letter to Harold Gershinowitz (President of the Shell Development Company in New York) accepting his invitation to attend the dedication of their lecture hall at their Emeryville Research Center on the morning of March 9th, at which Joel Hildebrand and Peter Debye will speak.

A letter to Alan Waterman, with a carbon copy to Jerry Zacharias, suggests that the National Science Foundation might support the development of a college course in science by a group similar to the MIT group under Zacharias, which prepared such a successful course in physics.

I wrote to Margaret Beynen (Head Resident at Bowles Hall) expressing regret for the embarrassment caused her by the writing of Henry Park in the recent issue of the Pelican and expressing my appreciation for the devoted and effective job that she is doing at Bowles Hall. (Henry Park wrote a personal attack on Mrs. Beynen, holding her up to ridicule. As a result, the Committee on Student Conduct recommended that he not be permitted to register for the current semester, but that, with constructive employment of his time-out from the University and assurance of better attitude, he will be permitted to re-enroll in the fall and this recommendation was accepted and acted upon by Dean of Students Hurford Stone.)

I also read a couple of memoranda from Bill Fretter. He said he has talked with Nels Garden of the Radiation Laboratory and learned that the Warren Kaufman proposal involves putting 500 curies of tritium into the Los Angeles River. He has called Kaufman and asked him to send a summary of all the plans and of the actions taken to date, warning him not to go forward until he receives approval from high University authorities.

In another memo Bill summarizes the meeting that he and George Papenfuss held in Sacramento on February 11th with Newton Drury (Director) and Mr. Knight (Deputy Director) of the State Division of Beaches and Parks to explore the possibility of obtaining a site for the Marine Biological Laboratory at the Asilomar Beach State Park. They learned that the University could not acquire any land from the State Division of Beaches and Parks because there is an express provision in the law against this and were apprised of some other possibilities of land adjacent to the Asilomar Park holdings. Fretter says the Committee is going to consider these other possibilities within the next week or so and perhaps come up with some kind of recommendation very soon. I made the note that we should keep pushing and, if necessary, we may have to go to a higher level, such as the Governor, to accomplish our objectives.

I had lunch at the Faculty Club, where I met Dick Jennings of the Law School and warned him that C. W. Brown is going to approach him about replacing himself (Brown) on the BCD Committee; I urged Dick to accept this appointment because, in my view, he is our man for the job. (Dick is married to Betty Robison, whom I knew as an undergraduate student at UCLA, where I met her when she took a course in quantitative analysis for which I served as an assistant in instruction.)

I also met Harry Wellman at the Faculty Club. He told me that he and Kerr are going to Sacramento at 3:30 p.m. this afternoon to see Governor Brown about the budget and he assured me that our request to reinstate the budget cut of the Berkeley campus is on their list to be discussed with the Governor. I told Harry about the McMillan Committee, which is going to study the status of non-faculty research personnel, and he seemed to agree that something should be done, recalling that there are many people in Agriculture in this situation. Harry also reminded me that he and Kerr are members of the Committee to Look Into the Matter of "Bright Young Scientists", of which I am serving as Chairman, and that he, Kerr and I should meet on this.

When I returned from lunch Anna Carol told me that Bill Fretter had lunch with Frank Newman (Law) today, during which they informally discussed the matter of the Loyalty Oath requirement for students obtaining loans under the National Defense Education Act (NDEA). There will be a meeting of the Berkeley Chapter of the American Association of University Professors (AAUP) on Wednesday afternoon and he thinks my views on this Loyalty Oath matter should become available to our faculty before this meeting. Newman recommends that we refuse to allow the students to take the Loyalty Oath, even though it would mean foregoing Berkeley participation in the student loan program under NDEA. Bill told Newman that I am against the Loyalty Oath provision, but that I have not yet decided how to handle this matter, being reluctant to cut off student chances for financial support. Later in the afternoon I discussed this with Alex Sherriffs and he expressed the opinion that I shouldn't make any statement or attempt to get my views to the faculty before Wednesday morning.

I noted a letter from Donald Riley, accepting my invitation to serve on the Chancellor's Committee on Discrimination.

When I arrived home Helen told me that there was a Valentine party at Eric's playschool, which was held at our house today. After dinner our whole family went to Lafayette Town Hall to attend the meeting of the Cub Pack of which Dave is a member. Our neighbor, Pat Carden, serves as the Cub Pack leader and all of our kids, in addition to Dave, enjoy these meetings as social events.

Saturday, February 14, 1959

At home in Lafayette I did some reading of journals and Rad Lab material during the day.

At 1 p.m. Dan Wilkes came by with a draft of my talk, "Learning in the World of Change", to be given as my Chancellor inaugural address at the Charter Day ceremonies in the Greek Theatre on March 20th. He and I have been tossing ideas back and forth, trying to come up with an appropriate address for this important occasion. He also showed me his draft of the statement on the Space Sciences Laboratory that he is preparing for Wellman and I okayed it.

In addition, we discussed the proposal by Registrar Clint Gilliam to restrict the sale of Bulletins to the ASUC and the Registrar's Office. We are both undecided as to the best policy on this and we will have it discussed at a Chancellor's Cabinet meeting.

We also discussed the Wednesday meeting of the Berkeley chapter of the AAUP and he advised me against coming our publicly against the Loyalty Oath provision of the NDEA. He feels that this is a complicated issue of national politics and that it would be paternalistic towards students who want to participate and could be a blow against federal aid. He feels that the best way to work against the Loyalty Oath provision is behind the scenes.

During the evening Helen and I attended a Panhellenic presentation at Alumni House on the campus.

Sunday, February 15, 1959

I spent some time today working on my Chancellor's inaugural address, "Learning in the World of Change". In this address I shall attempt to evaluate the place of the University and of learning in relationship to the needs of society. I shall also make some comments relative to why I left the field of science to take an administrative job like that of the chancellorship and, of course, I will focus on the mushrooming of knowledge and the changing world. In this connection I will mention five interrelated factors that are cogent to our future success: time, complexity, values, education and research.

Monday, February 16, 1959

When I arrived at my Dwinelle Hall office this morning, Anna Carol told me that we had received a phone call from Kerr's office, saying in response to my letter of February 11th regarding the naming of old California Hall "Old Cal Hall", he is giving it consideration.

Maribel Montgomery (who handles the fiscal matters concerning faculty appointments for me in the Chancellor's Office) told me that Delmer Brown (History Department Chairman) came in to see her on Saturday morning concerning the offer of the Shepard Chair to Gordon Wright of Stanford. He has talked to Lincoln Constance and would like to offer Wright $14,000 for this position, but their provision in the History Department budget is for $10,344 and hence an upgrading of $4,000 would be required. Connie Wilson

(who also works on faculty fiscal matters in my office) told Brown that there is no assurance that this can be done and the department will have to find this amount itself, as the Chancellor probably would not be able to provide such assistance. I told Maribel to tell Brown that I will support the salary figure if the case is strong enough and if the History Department can find funds.

At 9:30 a.m. I called Clark Kerr to tell him about the meeting of the Berkeley chapter of the AAUP this Wednesday at which they will consider the Loyalty Oath for the NDEA student loans. I told him about Bill Fretter's talk with Frank Newman and Newman's thought that I (and presumably Kerr) should make our views known. Kerr thinks that we should not--that, as a state institution, it would be difficult to refuse federal aid--and he agreed with me that it would be paternalistic to deprive the students of it.

I also discussed with Kerr the Intercollegiate Athletic Advisory Council and recommended that Alex Sherriffs and his counterpart at UCLA be on the IAAC. Kerr agreed and said that he will be seeing Cunningham today and mention it to him. He said that he is skeptical about the University of California joining a national athletic conference. He thinks we should go slow but agrees that it would be proper to assess student and faculty opinion on this.

At 10:15 a.m. I left in a University car driven by Perry Smith to go to the Sheraton Palace Hotel in San Francisco. I held a press conference in Room 2109 at 11 a.m.

Then I attended a reception for head table guests in Room B, before going into the opening luncheon of the meeting of the American Institute of Mining, Metallurgical and Petroleum Engineers, where I was introduced by Don McLaughlin for my speech, "The Nuclear Age." I gave my usual presentation, comparing chemical and nuclear energy, describing what a concentrated source of energy nuclear power is, and some of the problems that must be solved before this will be available to us on a large scale.

During the luncheon greetings from an Ishpeming, Michigan, contingent were passed up to me--from Mr. and Mrs. R. G. Shaal, Mr. and Mrs. Curtis Sundeen and Mr. and Mrs. Bertram Boyum. Following my speech I was interviewed for radio.

When I returned to my office I read a memorandum from Harry Wellman, thanking me for sending him a copy of Otto Struve's memorandum concerning the Lick Observatory, but adding that this suggestion would not solve the problem which will face a new campus in the San Jose area, that of acquiring distinction early in its growth

I also read a memo from Ernest A. Engelbert (Director of Berkeley University Extension) complimenting me on my remarks about the importance of continuing education beyond the university at the 11th Annual Industrial Engineering Institute. (My remarks were available as a handout and he apparently read them.) He expressed the hope that the rest of the University feels this way because we are going to need all the support we can get to offset the Governor's proposal in his budget to remove all state support from University Extension.

At 3:30 p.m. I had an appointment with Donald Glaser, the nuclear physicist from the University of Michigan and the inventor of the bubble chamber, whom

we are trying to recruit to join the Berkeley faculty. I gave the strongest pitch possible, trying to convince him to come with us.

Late in the afternoon Anna Carol received a call from Ed McMillan, informing me of the impending visit of Sir Edwin and Lady Plowden; he is chairman of the British Atomic Energy Authority. They will visit during March 8th- 10th and AEC Chairman McCone has written to McMillan, asking him to call attention to the visit to me and Kerr. McMillan said that he will be away at that time and asked whether I want to make definite plans to meet Plowden. I told Anna Carol that I will hold some kind of dinner party on March 9th and asked her to inform Kerr and McMillan of my intentions.

Helen took Pete to a Boy Scout meeting at Happy Valley School this evening while I worked in the study on papers from my Chancellor's Office.

I read a letter from Merriam Hartwick Trytten (Director of the Office of Scientific Personnel at the National Academy of Sciences in Washington) asking me to accept the invitation from Flau Wooten to speak at the forthcoming conference for Fullbright Scholars at Occidental College.

I read a note from Lincoln Constance, saying that he is bringing Aaron Gordon to our regular weekly appointment tomorrow in order that I might respond to his request that the provision of graduate fellowships in Economics be made available as a condition for his acceptance of the chairmanship of the Department of Economics.

A note from Maribel Montgomery informs me that Bill Prosser is recommending the appointment of Ira Michael Heyman as Acting Professor of Law at the salary step II ($8,520). She says that she has sent this to the Budget Committee for their comment even though the Law School is actually out of its jurisdiction and they replied that the candidate seems to be able and well-recommended and recommend that the appointment be approved. I indicated on the memorandum that I approve the appointment.

I read two memoranda from Bill Fretter. He called my attention to a statewide committee to regulate SCUBA (meaning self-contained underwater breathing apparatus) use within the University. A subcommittee of the Marine Biological Laboratory Committee has been set up by Hugh Bradner but Fretter recommends that it be set up as an independent committee with Ralph Smith as chairman and continuing the other members. I okayed this and suggested that Fretter draft a letter to Smith, asking him to serve this function and also to inform George Papenfuss.

Second, Bill reported on the Kaufman experiment, utilizing radioactive tritium in groundwater in Los Angeles County. Bill called Nels Garden again and he agrees that the actual health hazard is not serious but the effect on public opinion and the legal hazards have not been seriously considered.

A long memorandum from Ed Strong summarizes the problems on faculty recruiting and promotion in the Law School. Bill Prosser (Dean of the Law School) has recommended a special salary scale and accelerated promotions to enable the Law School to meet competition. Last Thursday Ed met with the present Chairman of the Budget Committee Ray Bressler, and the three immediate past chairmen, Frank Kidner, Ted Vermuelen and Lincoln Constance, to seek advice on a special salary scale for Law. The three past chairmen were opposed to setting a precedent of a special salary scale and suggested that the rank and

salary shown in the Law School budget request should be in accord with the standard scale but be at the level at which the School can expect to obtain the men it seeks. Ed asks whether he should reply to "Wild Bill" Prosser along the lines of the recommendation of the three past chairmen of the Budget Committee. I am going to ask Ed to proceed along those lines.

Thursday, February 17, 1959

When I arrived at my Dwinelle Hall office this morning I asked Anna Carol to call George Cuthbertson of Stiles Hall and inform him that I am reluctant to give a public endorsement of any one group activity or to publicize such an activity in a University Bulletin and to suggest that Ed Strong will be glad to discuss this further with him (thus following the advice of Ed Strong and Alex Sherriffs).

I read two memoranda regarding the so-called "Loyalty Oath" provision of the National Defense Education Act. One from Douglas Chrétien (campus coordinator of the National Defense Education Act) spells out the provisions of the Act, which say that no payments or loans to individuals shall be made unless the receiving individual a) executes an affidavit that:

> "he does not believe in and is not a member of and does not support any organization that believes in or teaches the overthrow of the United States government by force or violence or by any illegal or unconstitutional methods"

and b) takes an oath of allegiance to the United States. The first requirement is referred to as the "disclaimer" and the second as the "oath of allegiance" and opposition has centered mostly around the disclaimer. He says that the AAUP Council has been opposed to the disclaimer since last November and he lists a number of other colleges, universities and institutions that oppose the disclaimer.

The other memo I received from Bill Fretter points out that the National Science Foundation scholarship and fellowship recipients have had to sign an identical disclaimer and oath to that which is provided in the NDEA; this has been in effect since 1950 and apparently people have learned to accept it.

I signed an important memorandum to Clark Kerr presenting the tentative budget estimate for the Berkeley campus for 1960-61, requesting a 7.5% increase over 1959-60 for faculty salaries. I say that this budget falls far short of that needed to obtain desirable instructional standards at a time when the market for distinguished faculty becomes ever more competitive and when a number of influences are at work among the general public which may result in future demand for higher education in California and the nation outdistancing the present forward estimates. I also ask that the reduction of revised estimates of enrollment made erroneously in connection with the 1959-60 campus request be restored in time for use in 1959-60 if this is possible.

I signed a letter to Michael Hone (representative-at-large of the ASUC) stating that I think information might be more readily available to the ASUC if there were the possibility of holding executive sessions. However, I do add that the question of whether to provide for executive sessions is, of course, a matter for the Executive Committee and the Student Body to decide.

I signed a letter to Ken Pitzer, outlining conditions under which the College of Chemistry may limit enrollment of students in graduate work leading to the Ph.D.

I held my Chancellor's Student Office Hour from 11 a.m. until noon, during which Alex Sherriffs sat in with me. Four students came in to see us: Robert Garfinkel, Nancy Dougery, Albert Volz and Charles Womer. Garfinkel said he wants to pursue studies of "basic sciences of all living organisms" and he feels that any specific major is tedious and the examinations are difficult. He is 29 years old. I suggested that two years with a solid foundation of a major would pay off in the end.

Dougery said that she is the scholarship chairman of Panhellenic and expressed concern that many sorority girls who are good student get D's and F's in History 4A (History of Western Europe) taught by Gene Brucker--an unprecedented number and in contrast with the regular performance of the students. We suggested that she see Brucker and that she might find that there is no problem.

Volz is concerned about the lack of student sign-ups for the Stiles Hall student-faculty conference at White Sulphur Springs. They have 21 faculty and 20 students and he wants my assistance in urging students to go; I said that we do not want to set this kind of precedent but will look into ways of helping out.

Womer wants to get out of taking ROTC. He is a graduating senior and his case seems reasonable. I referred him to Dean Hurford Stone with whom he has been having difficulty in making an appointment. I told him to say that we have referred him.

Beginning at noon, I presided over the regular brown bag luncheon meeting of the Chancellor's Cabinet with Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes present. I asked Hart, Strong, Chernin, Wilkes and Fretter, also bringing in Ted Sherburne, to look over carefully the nationwide proposal for educational television under Title VII of the NDEA, with the view that we might participate. The decisions on the proposal will be made at a meeting in Washington on March 5th and 6th which I will attend.

I told them that Malik will probably speak at my inauguration along with USC President Norman Topping (who will speak for the universities); Malik will speak "for the world."

The group recommended that the Language Laboratory be added to the Major and Minor Capital Improvement list and I asked Hart to be sure that the Space Committee for the Undergraduate Library is made aware of the ultimate location of the Language Laboratory in that building.

I informed them that there will be an emergency meeting of the CCO's and the President's Cabinet after the Regents Meeting on Friday to consider the Regents' reaction to proposals for fighting the cuts that the Governor proposes for our 1960-61 budget.

We discussed the meeting tomorrow of the Berkeley chapter of the AAUP to consider proposals concerning the disclaimer provision of the NDEA. We agreed that a prepared statement for the press would not be made but, if I or any member of our staff should be asked by the press, we will informally state my

views as follows: 1) that the University administration will certainly wish to give careful consideration to the recommendation and 2) if further pressed, we will say that we are opposed to special oaths for special groups.

There will be a meeting of the Coordinating Committee on Buildings and Campus Development on April 10th, which Jim Hart, C. W. Brown and I will attend.

We agreed that there will be a luncheon by the administration for the President of the Polish Academy of Sciences and we took note of the fact that the German Ambassador will be here on April 23rd. We will ask Anna Carol to inform Kerr of both of these visitors.

We discussed Registrar Clinton Gilliam's request to limit the sale of the Schedule and Directory and the Announcement of Courses to the ASUC store, thus eliminating Berkeley bookstores from such sales and decided that Jim Hart will write Gilliam to say that his recommendation has been turned down.

We also discussed plans for the Chancellor's Office space.

After the meeting I signed a letter to Ken Pitzer, thanking him for his letter of February 5th, in which he suggests one method of attracting bright young scientists is through the possible use of the Miller Institute. I suggested that he bring his suggestion up for discussion at a meeting of the Miller Institute Board.

At 1 p.m. I called Clark Kerr to point out again the mounting interest on campus in the disclaimer clause in the NDEA. He feels that neither he nor I should come out with a public statement at this time--the gain would be small and the costs substantial when it comes to things that really count. He pointed out the possible adverse effects on the Sacramento situation. He thinks that a statement saying that we will study the AAUP recommendation would be in order and agreed that I might do as I wish but that if I do make a statement, it might be embarrassing to him.

At 2:30 p.m. I met with Ed Salzman of the Oakland Tribune. This was an interview for a future story on me and he asked such questions as how I am dividing my time between the chancellorship and the Radiation Laboratory, my reactions to my new job as Chancellor, and so forth.

Beginning at 3 p.m. I had my regular meeting in my office with Lincoln Constance. We began with Biochemistry Chairman Esmond Snell present and asked him, on the grounds of harmony and avoidance of a messy issue over privilege, to continue the titles as Professor of Biochemistry for Li, Knight and Stanley. Snell agreed--very reluctantly.

We then proceeded to discuss an unusually large number of items. He gave me a copy of Philip F. Griffith's (Journalism) letter of February 13th, acquainting us with the impending visit on April 10th of Professor Alan Nivens to the Berkeley campus; I asked him to bring this matter to the attention of Jim Hart.

He brought up Speech Professor Jacobus ten Broek's letter of February 11th, telling us that 45-50 teaching assistantships would be necessary to "beef up" Speech 1A-B to make it eligible to satisfy the English composition requirement of the Letters & Science program. We agreed that the full change would be out of the question financially but Constance might move slowly in that direction.

With respect to the visit of Mr. and Mrs. Tadeus Kotarbinski (he is president of the Polish Academy of Sciences) to Berkeley in April, I said I am planning a luncheon or some other function.

We discussed results of the preference poll for chairman of the Department of Oriental Languages and agreed that Edward Schafer will be appointed to succeed Denzel Carr, who is completing his fifth year as chairman.

He acquainted me with the contents of Otto Struve's letter of February 16th, saying that Louis Henyey would not be willing to act as Chairman of the Department of Astronomy by reducing or giving up his work at the Computing Center; we agreed that we should await the results of the chairman preference poll before taking any action (although I expressed concern about the fate of the Computer Laboratory).

He acquainted me with his involvement in the AIBS-NSF Conference on Communications Media in Biology which will meet on February 26th and 27th at the Hotel Claremont.

At the end of our meeting Economics Professor Aaron Gordon joined us and explained the difficult situation in which the Department finds itself in attracting first rate graduate students. I expressed interest and said that I am prepared to explore the problem in the CCCO meeting. Constance said that he will get in touch with Graduate Dean Morris Stewart about the matter. I said that I will appoint a special committee or refer it for study to any appropriate committee now in existence.

When I arrived home, Helen told me that she attended a Parents Club meeting at Happy Valley School this afternoon.

After dinner I read a number of memoranda. Of special interest was the one from Vern Knudsen (Vice Chancellor of UCLA) with an attached memorandum by Dean Paul Dodd of UCLA, commenting on the assignment of our Committee to Make Comments on Recruiting Bright Young Men in the Sciences. Dodd's memorandum summarizes the situation by saying that:

1) We are not permitted to recruit early enough.
2) Our present selective system is too cumbersome.
3) Our travel funds are not adequate.
4) Our internal appointment system often makes for mediocrity.
5) We tend to accelerate our outstanding young scientists at a more rapid rate than has been attained by our present formula for advancement in rank, which places too much emphasis on years of service and too little on ability and accomplishments.

Knudsen suggests for the preparation of our report to the Regents that we make the following recommendations:

1) The appointment of a Universitywide committee to study our present committee review system for promotion and appointment.
2) The creation of a special recruitment fund to be allocated to the separate campuses for use in early commitments to a restricted number of the most promising young scholars.
3) Greater use of "package deals" that provide for the possibility of recruiting top flight scientists along with two or three assistants of his choice.

4) Streamlining of our present system of clearance for making commitments within the budget provisions as may be necessary to secure binding contracts for key appointments.

Clearly there are some good ideas here.

I read a letter from Wallace E. Cake of the U.S. Rubber Company, thanking me for the copy of Elements of the Universe, which he has just received and which he finds very interesting on the basis of his short perusal.

A letter from Ed Strong to Tom Cunningham comments on the role that Bill Stricklin (Berkeley Student Body President) and Rafer Johnson (UCLA Student Body President) will have in assessing student opinion on the role that students should play in governing athletics. Strong concludes,

> "Unless student organizations are able to ensure performance of obligations stipulated by the University in intercollegiate athletics (and how they will be able to do so I do not see), the Administration will be in a strong position to make its case with the students for establishment of clear and firm lines of accountability."

This is a thoughtful analysis of the problem.

On the same subject there is a memorandum from Pauline Kroditsch (Strong's secretary) to Strong, saying that Cunningham called him this morning before taking off for Los Angeles to express concern that Bill Stricklin and Rafer Johnson don't go ahead and get a definite policy statement from the students in connection with the role of athletics in the University that would be difficult for them to change in the future. He wants our Intercollegiate Athletic Advisory Council ultimately to make the recommendation on where the control for athletics will reside in the future.

I read a memorandum from Jim Hart in which he comments on the need to make provisions to purchase books for the libraries which are being constructed in each of the units of the two new residence halls. He has obtained an estimate that, at a total cost of some $16,000, the starting collection of 375 volumes for each library could be obtained and suggests that Errol Mauchlan work out the financing for the acquisition of this initial complement of books. This is a fine analysis and suggested solution to the problem and I am glad that Jim had the perspicacity to identify this need at this time.

I read an interesting memorandum from C. W. Brown (Acting Chairman of the BCD Committee) regarding the matter of the Chancellor's quarters in Dwinelle Hall. He summarizes the following factors used in assignments: 1) private offices for vice chancellors, assistants to the Chancellor and certain others, 2) nearness of secretaries to persons they assist, 3) consolidation of Records Department, 4) space for unfilled positions and contemplated additions, 5) enlargement of Conference Room, 6) minimizing remodelling costs, 7) minimizing moving of personnel, 8) freeing as much space as possible for reassignment to Dwinelle Hall departments, and 9) keeping freed space at the end of the Chancellor's quarters. I only wish it were possible to implement these thoughtful recommendations.

U.S and Russia Possess All Atomic Power They Need, Says Seaborg

SAN FRANCISCO EXAMINER
February 17, 1959

By SYDNEY KOSSEN

The race between the United States and Russia in the field of peaceful use of atomic energy is almost meaningless, a noted scientist declared yesterday, because "in the long run both nations will develop as much atomic power as needed."

The speaker was Dr. Glenn T. Seaborg, chancellor of the University of California and associate director of the UC Radiation Laboratory. He delivered the welcoming address to the 87th annual meeting of the American Institute of Mining, Metallurgical and Petroleum Engineers (AIME).

The United States now is ahead, he said. But both nations are using similar approaches through the use of enriched uranium fuels.

This he described as the "breeder reactor" method. He predicted that commercial power from such a source should be available by 1980.

Doctor Seaborg expects England to be in quantity production of atomic power by 1965.

That nation, short of coal and oil to generate power, is using "a brute force method, wasteful of uranium," Doctor Seaborg said. He viewed this as justified for England but not for the United States.

4,000 REGISTER

Some 4,000 delegates have registered for the five day convention which will run through Thursday. Main events are being held in the Sheraton-Palace Hotel with panels and technical sessions also being conducted in the St. Francis and Sir Francis Drake Hotels.

Other developments yesterday:

1—Carl O. Nickle of Calgary, former member of the Canadian Parliament, urged that "Canadians and Americans should strive now for a continental approach to oil marketing." Otherwise, he warned, the Canadian Government may "go it alone" and this would tend to lessen co-operation in other fields, too.

2—In a review of foreign petroleum developments, H. W. McCobb, Standard Vacuum Oil Company vice president, said "1958 was characterized as a year of industry-wide over capacity."

DR. GLENN SEABORG
". . . U. S. is now ahead"

3—Richard W. Hillyer of Houston said the American oil industry, too, has many problems but in general the outlook for 1959 is healthy and strong.

4—J. W. Woomer of Pittsburgh, incoming president of the institute's mining section, called for greater co-operation with South American countries for the development of mineral resources.

5—Natural gas should be freed from price control and permitted to compete in the open market with other fuels, according to a joint paper by Warren B. Davis and Lloyd Schweizer Jr., both with Gulf Oil Corporation, Pittsburgh.

DATA FROM GENEVA

Doctor Seaborg spoke on "This Nuclear Age" at the institute luncheon. He said his information on Russia's progress came from the two Geneva conferences on the peaceful use of atomic energy.

He described the first conference as the more productive.

"It was the first time I ever saw a live Russian scientist," Doctor Seaborg remarked. "I'm in favor of more conferences."

One of the big problems in converting uranium to electrical energy, he said, is what to do with the "hot garbage."

No satisfactory solution has yet been found, in his opinion. He suggested that scientists go slow in dumping atomic waste at sea.

"At sea we lose control and it may turn up again," he said.

He pointed out that England's "quick approach to nuclear energy" also is being used by other countries running out of fossil fuels. Among them are Japan and the nations of Western Europe.

A major barrier still facing American and Russian scientists is "how to sustain the power at hundreds of millions of degrees," Doctor Seaborg said.

CANADIAN WARNING

Nickle, pubisher of two Canadian oil periodicals and co-editor of a third, stated:

"Continued ignoring by the United States of the 'continental concept' in its oil import control plan could well lead to adoption by Canada, in self-defense, of nationalistic policies that over the long term would force less economic distribution of petroleum in North America and inhibit the ability of the neighbor nations to efficiently meet emergencies. . . .

"From the United States oil industry's viewpoint, forcing of a Canadian 'national oil policy' would involve losing much of a market for refined products in Canada that, in value, balances the market for Canadian crude that would stem from a 'continental policy.' Inevitably also, American suppliers of oil industry goods to Canada would be adversely affected if Canada goes nationalistic."

Nickle concluded that a lack of co-operation could even lead to "lessened security."

McCobb, discussing the oil industry's overcapacity, said more American companies are getting into the foreign fields despite growing competition.

He said Russia has penetrated the free world petroleum market with offerings at prices which free competition cannot meet, and this may affect Soviet relations with Arab nations.

Wednesday, February 18, 1959 - Berkeley - Riverside

I drove directly to the Radiation Laboratory to attend the regular weekly meeting of the Associate Directors.

I then went to the Nuclear Chemistry office, where I signed a letter to John Fowler (Physics Division of Oak Ridge National Laboratory) recommending Lester Winsberg for a position in his division. I then made the rounds to talk to my graduate students Marshall Blann, Glen Gordon, and Vic Viola. I also found time to talk to some of the others, including Stan Thompson, Al Ghiorso, Joe Cerny, Dave Shirley and Earl Hyde about their work. Iz Perlman and I had a good talk about the present status of work in the Nuclear Chemistry Division, which seems to be very satisfactory. We have a large group of able and active graduate students working here.

I then drove down to my office in Dwinelle Hall. My longtime friend and fellow graduate student in the Berkeley College of Chemistry, Alan Nixon (Shell Development Co.) came to see me at 10 a.m. He came by to introduce a wealthy Canadian friend of his, Norman Keevil, whose daughter June is in school here and whose son Norman, Jr. will be starting graduate work here in a semester or so.

Among the letters and memoranda I sent out today was one to Hardin Jones, asking him to review the health physics aspects of Kaufman's proposed experiment in Los Angeles County toward tracing flood waters by the use of radioactive tritium and to give me his opinion as to the advisability of the University's participation in this project.

I also wrote a letter to John Phillips (City Manager of Berkeley), drafted by Dick Jennings, stating that it is not feasible for the University to share the costs of installing traffic lights at the corner of Hearst and Euclid.

The third letter went to E. T. Grether in reply to his letter of February 10th, saying,

> "Concerning recruiting relationships with state colleges, the present practice, though not formalized, is that the same competitive restraints exercised between the University of California and Stanford University extend also to the state colleges in our immediate area."

I have a memorandum from Harry Wellman, enclosing a memorandum from Provost John Saunders, saying that a proper transfer of equipment from the Berkeley Department of Anatomy-Physiology to the Department of Physiology in San Francisco was made; Wellman asks whether this matter is now settled. I asked Errol Mauchlan to send a memorandum back today saying that Sherburne Cook still stands behind his request for an additional $6,000 to cover replacement equipment needs resulting from the transfer and, therefore, he considers the question still open pending Wellman's final consideration.

A memo from Jim Hart states that W. S. Wellington doesn't plan to resign as Director of the University Art Gallery as we thought he would and that there is a problem with finding funds for remodelling the Gallery. He says that Lincoln Constance and he propose that 1) I send a letter to Wellington, thanking him for his service as Director of the University Art Gallery and setting forth that this post is to be vacated by July 1, 1960; 2) that we appoint a committee, advisory to the Chancellor, to propose a suitable policy

for the use of the building and the nature of exhibitions to be held there with members Donald Coney (Chairman), Walter Horn, Herwin Schaefer, and James Caldwell; 3) that, after I receive the committee's report I appoint a committee to advise me on the nature of the directorship and to nominate a candidate; 4) that a report should be received and acted upon prior to July 1, 1960 so that the remodelling can be done before that time and the Gallery be open for new exhibitions under the new exhibition policy beginning with the Fall Semester 1960. These recommendations seem satisfactory and sensible to me.

A memorandum from C. W. Brown urges us to pursue with all possible speed the acquisition of the State Department of Public Health Building adjacent to the campus on the terms that have been offered to us. I marked on the memo, "I agree- Let's keep it moving. Probably means prodding DeMonte."

A memo from the Graduate Association in Political Science, forwarded by Oscar Pemantle (Chairman), urges the University to make known its opposition to the disclaimer oath feature of the National Defense Education Act and seeks its appeal.

Soon after lunch Bill Rice (Radiation Laboratory) came by to see me and say goodbye. (He was architect for our Lafayette home.) He is leaving for a year to accept a position in Wisconsin, has a six-month leave of absence from the Radiation Laboratory which was given to him under protest, and he is even a little doubtful that he will get his job back on his return.

At 3 p.m. I left in a University car with a driver to go to the Oakland Airport, where I boarded United Airlines Flight #664, which departed at about 4 p.m. and arrived in Los Angeles at 5:41 p.m.

Enroute to the Regents and CCCO meetings in Riverside, I boarded Bonanza Flight #48 at the Los Angeles Airport, which left at 6:30 p.m. and arrived at the Riverside Airport at 7:05 p.m.

From there I travelled by taxi to the Mission Inn to attend the meeting of the CCCO. In attendance were President Kerr, Vice President Wellman, Riverside Chancellor Herman Spieth, Davis Chancellor Stanley Freeborn, Santa Barbara Vice Chancellor Elmer Noble, UCLA Acting Chancellor Vern Knudsen, San Francisco Provost John Saunders, Scripps Director Roger Revelle and Assistant Vice President John Oswald.

Among the topics discussed were the following:

Kerr would like suggestions for the use of the 13 acre Riviera campus in Santa Barbara.

A decision on the International Cooperation Administration (ICA) proposal (the minimum of two years service by faculty members) was postponed at my suggestion. I told them that following the CAAC meeting in Berkeley next Wednesday, we will send our comments to Wellman.

The mechanics of decentralizing the Personnel Office from Statewide to individual campuses was outlined.

There will be a joint meeting on March 14th of the Board of Regents and the State Board of Education to discuss the problems and the future of state

colleges and universities and Kerr would like suggestions for the agenda. We discussed such possibilities as a single board--or a super-board--over the two systems, or the possibility of stronger liaison. The question was raised whether the state colleges should have their own board. It was agreed there should be no new campuses in either system without coordination. The conferring of Ph.D. degrees should remain with the University of California except when the University can't meet the demand and a state college has the capability, in which case they might join the University and give Ph.D. degrees. I mentioned that a consequence of this new relationship might be that we should build up in the interim with twin campuses in the Bay Area and in Los Angeles--this "satellite campus" concept is a longstanding idea of mine.

I described Aaron Gordon's problem, that is, the need for more support in the way of teaching assistantships or fellowships for first year graduate students and I received a sympathetic response. Knudsen is going to look into the possibility of giving more first year fellowships. We were told that the term "acting" should be removed from a title at the next semester after the Ph.D. is completed.

The policy statement of the Regents professorships and lectureships was approved.

Kerr told us that Governor Brown has admitted that some mistakes were made in the budget which he submitted, particularly a mistake in the policy of not conferring with the University of California staff before submitting the budget.

After the meeting, at 10 p.m., I told Wellman and Saunders that I think I have cleared the title of Professor of Biochemistry at Berkeley for Choh Hao Li with Esmond Snell and that I recommend an increase in salary. Wellman suggested that Li be Director of a Hormone Laboratory, rather than an institute, and Saunders agreed.

At 10:15 p.m. I talked with Kerr, and told him about the vote of the Berkeley chapter of the AAUP this afternoon recommending that Berkeley not participate in the NDEA program. He still thinks that I should respond by saying, "I'll take it under consideration" and not come out against participation by Berkeley in the program. I showed him the article in the Education Section of Time (the issue of February 6, 1959) and told him that I believe I had something to do with its favorable tone.

He told me he hasn't been able to convince Ed Pauley yet to support the conferring of an honorary degree on Edward Tolman and he asked me to talk to Pauley about this.

I told him that I hope we can still appoint a Berkeley Vice Chancellor-Business Affairs (or equivalent) and he said that we must wait until statewide reorganization is complete. He suggested Luther Lincoln (former speaker of the State Assembly) and I think he would be a good choice.

Clark also told me that he has written Norman Topping again inviting him to speak at my inauguration and that he has learned that Malik will come if his air travel schedule permits. I said I am very satisfied.

At 10:30 p.m. I talked to Ed Pauley and urged him to approve the award of an honorary degree for Tolman and told him about Jack Neylan's favorable reaction. He said he wants to think further about it.

I told him about AEC Chairman McCone's forthcoming visit to San Marino and my hope that he will be able to see him regarding the EOL Memorial, especially financing. He hadn't seen my letter yet in which I inform him of this, but he agreed. Ed thinks that if McCone is selected to receive the Alumnus of the Year Award, he shouldn't also get an honorary degree.

At 10:45 p.m. I talked again to Wellman about the status of Kerr and him (Wellman) on the Berkeley faculty. He asked if I would agree to a two-step salary increase for Kerr in his Berkeley faculty position and I agreed. I told him that I am recommending an academic salary status for him (Wellman) on the Berkeley faculty.

Along with the others, I spent the night at the Mission Inn.

Thursday, February 19, 1959 - Riverside

On the way to the meeting of the Regents Committee on Educational Policy, I talked to Ed Carter. I told him about our request to confer an honorary degree on Edward Tolman and something about the background of my discussions with others about this. He seems to be sympathetic (as he put it) on the basis that I favor it.

We also touched upon the question of expansion of the University of California to new campuses and relations with state colleges. He favors upgrading the state colleges and also said that he likes my idea of twin campuses in the Bay Area and Los Angeles.

I told him about McCone's forthcoming visit to San Marino on March 7th and 8th which would give the possibility of discussing the EOL Memorial with him; Carter told me that he is leaving on March 4th to go to Europe for two or three weeks and hence will miss this occasion.

Starting at 10 a.m. I attended the meeting of the Regents Educational Policy Committee in Room 2240 of the Social Sciences-Humanities Building on the UC, Riverside, campus. Attending the meeting were Committee members Regents Carter, Chandler, Boyd, Hansen, Hearst, Naffziger, Vaughn, McLaughlin, Kerr and Pauley and also Regents Hagar and Olson, as well as General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellors Freeborn and Spieth and I, Provost Saunders, Director Revelle, Acting Chancellor Knudsen, Dean Nisbet, Vice Chancellor Noble, Dean Aldrich, Assistant Secretary Woolman, Assistant Vice President-Business Affairs Miller, Assistant Vice President Oswald, Associate Director Kaplan, Professors Kidner, Lazier, and Laycock, and Andrew Hamilton of the Office of Public Information.

Nisbet of Riverside made a presentation in which he stressed Riverside's desire to go more and more into graduate work, thus, becoming a "real" University.

The main item of discussion was the proposed change of rules for University personnel to accept appointment with the International Cooperation

Administration (ICA) necessitating leaves of absences of two years as a minimum. There was a discussion involving many of the Regents with the conclusion that in general the Committee is sympathetic to a continuing participation in the project but that the University should retain some control over the length of service of its faculty members. In this connection, Kerr commented that if the feeling is strong enough concerning the retention of flexibility, the Regents may wish to seek some assistance from Vice President Nixon.

I attended a buffet lunch for the Regents and other attendees at the meetings in the north area of the second floor of the Library Building.

While the Regents Committee on Grounds and Buildings was meeting, I made a phone call at 2:45 p.m. to USC President Norman Topping (at Kerr's request). I told him about the concern that Kerr and I (and others) have over the newspaper statements by his football coach Jesse Hill, suggesting that athletes be given a free ride in the new AAWU. He immediately said that he will issue a statement to newspapers this afternoon saying that the USC official position is to stand by their AAWU agreement. He also told me that he will accept Kerr's invitation to speak at my chancelloral inauguration on March 20th.

Topping called me back at 3:30 p.m. and read me the statement that he is issuing to the newspapers which I found very satisfactory. I passed this information on to Kerr.

Beginning at about 4:30 p.m., starting at the Social Science-Humanities Building, our entire group had a tour of the Riverside campus. During the tour new construction activities, old and new buildings, and research activities were pointed out by Chancellor Spieth and Dr. A. M. Boyce (Director of the Citrus Experiment Station).

During and after dinner at the Mission Inn, I had the opportunity to talk to a number of Regents and others. I talked at 7:20 p.m. with Regent Jerd Sullivan about my enthusiasm for educational television and he asked me to contact him if I could think of any way in which he could be of help. He knows a number of people like Thomas Sarnoff very well. Sullivan is a member of the Regents Committee on TV and he wants me to send him information on the educational television situation in New York State and other pertinent information from elsewhere. I said I will do this.

At 7:30 p.m. I talked to Regent Catherine Hearst, and told her that Jim Hart feels that he has been "jilted",that he is pining away while waiting to hear from her. She has failed to answer the letter he wrote her in December regarding possible plans for an opera to be supported by the Hearst Foundation in the Greek Theatre next fall. Catherine said that she feels very flattered and will get in touch with Jim soon regarding a meeting to discuss plans for such an opera at the time of the March Regents Meeting in Berkeley. She said she has been thinking about it and has some ideas. She went on to tell me that her husband Randy and she are spending quite a bit of time in New York City and have an apartment in the Blackstone Hotel (50 East 58th Street) in case I want to get in touch with them during a visit to that city.

I again spent the night at the Mission Inn.

Friday, February 20, 1959 - Riverside and Home

Beginning at 9:30 a.m. I attended the meeting of the Regents Committee on Finance in the Social Sciences-Humanities Building. Present were: Committee members Regents Pauley, Hagar, Boyd, Carter, Mosher, McLaughlin and Kerr, as well as Regents Anderson, Canaday, Chandler, Haggerty, Hansen, Hearst, Naffziger, Olson, Simpson, Sullivan and Vaughn, as well as Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Medical and Health Services Stull, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellors Spieth and I, Acting Chancellor Knudsen, Provost Saunders, Director Revelle, Dean Aldrich, Assistant Secretary Woolman, Assistant Vice President-Business Affairs Miller, Engineer Weaver and Assistant Vice President Oswald.

Kerr commented that the U.S. Public Health Service has Health Research Facilities funds available to assist in the construction of buildings related to medical and health sciences and he requested authority to solicit funds from this source for the following projects in the amounts indicated:

a) $1 million to meet part of the cost of constructing and equipping the biochemistry building on the Berkeley campus;

b) $85,000 to meet part of the cost of constructign and equipping a Plant Biochemistry Laboratory Facility in Hilgard Hall, Berkeley campus;

c) $10,283 to meet part of the cost of construction of a Medical Research Laboratory at the San Francisco (City and County) Hospital.

The Committee voted to recommend to the Regents that the President be authorized to solicit these funds. Among the other items of interest to me (admittedly somewhat minor) was that the committee voted to recommend that a deposit of $5 be established for each musical instrument loaned to students by the Berkeley Campus Department of Music and that a fine of $1 per day for late return be levied against the deposit and further deductions in the deposit be made for undue wear and tear (in the judgement of the instrument's custodian).

We ate lunch in the north area of the second floor of the Library Building. During lunch I had a chance to talk to Ed Pauley. He told me that he will be glad to see AEC Chairman John McCone at a dinner party that McCone is giving for Sir Edwin Plowden in his San Marino home on Saturday, March 5th. He suggested that I also come but I regretted because I will be out of town at that time.

He said that Don Mutchmore (Director of the Los Angeles Museum of Science and Industry) thinks that Lionel Viales is doing a wonderful job in gathering material and planning for the E. O. Lawrence Memorial Hall of Science. He also said that since James Black is getting the Alumnus of the Year Award, there is no objection to John McCone getting an honorary degree.

A little later I talked to Roscoe Weaver of the statewide Architects and Engineers Office and he told me that the $800,000 from the McEnerney Fund, which is being held on ice to furnish about one-third of the money needed to build the auditorium in the new Student Union complex, might be transferred to some other Berkeley use if this construction is delayed indefinitely, that is, while they are trying to raise remaining funds or if the total funds are

raised by some other means. This is good news that I will call to the attention of Jim Hart and others of my Chancellor's staff.

At 1:45 p.m. I had a conversation with Regent John Canaday giving him arguments for presenting honorary degrees to Emeriti Professors and particularly to Edward Tolman. He apparently agrees. (Again, I did this at the request of Clark Kerr.) However, he is very skeptical and asked me if I think that Tolman would agree to give an honorary degree to Jack Neylan and I told him that Neylan has agreed that the question of an honorary degree for Tolman should be settled solely on the basis of his eminence.

At 2 p.m. I talked to Bob Underhill (Secretary and Treasurer of the Regents), who told me that the Heller Grant (which is now under litigation in New York through his efforts) amounts to perhaps $1,250,000 and will be for the UC Berkeley Department of Mining.

Beginning at about 2 p.m. in Room 2240 of the Social-Sciences Humanities Building I attended the meeting of the Board of Regents. Present were Regents Anderson, Boyd, Edmund G. Brown, Canaday, Carter, Chandler, Hagar, Haggerty, Hansen, Hearst, Kerr, McLaughlin, Merchant, Mosher, Naffziger, Olson, Pauley, Simpson, Storke, Sullivan, Vaughn and Watson, and also Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Medical and Health Services Stull, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellors Spieth, Freeborn and I, Vice Chancellor Noble, Acting Chancellor Knudsen, Provost Saunders, Director Revelle, Dean Aldrich, Provost Emeritus Watkins, Associate Director Kaplan, Assistant Secretary Woolman, Assistant Treasurer Thomson, Assistant Vice President Oswald, Engineer Weaver, Architect Evans, Dean Nisbet, Professors Kidner, Lazier and Middleton, Andrew Hamilton of the Office of Public Information, Mrs. Elizabeth Hansen, William Calkins, newspaper representatives and guests. Chairman McLaughlin presided until the arrival of Governor Brown, at which point Brown took the chair.

A preliminary report on registration shows a total of 38,903 students on the six campuses of the University (an increase of 8.8% over the comparable figure of 35,766 last spring).

All promotions and appointments recommended by the Berkeley campus were approved and the naming of the new boathouse after Ky Eybright also received approval. A high priority was voted for the Biochemistry Building in Berkeley.

Of special interest to me was the approval of the appointment of Dr. Thomas H. Chilton as Regents' Professor of Chemical Engineering Berkeley Campus for the Fall Semester of the academic year 1959-60, to be extended an additional semester, Spring Semester 1960, and of Sir Charles P. Snow as Regents' Professor of English Berkeley Campus for the Fall Semester of the academic year 1960-61 at a stipend of $9,000 to include recompense for his removal expenses. Regent Carter moved that the above appointments be approved and suggested that when such distinguished people come to one campus they be urged to make an appearance on another campus of the University, a suggestion which President Kerr endorsed, stating that it might be well to ask them to lecture on more than one campus.

Kerr included in his report to the Regents the announcement that the 1958 Edison Foundation Award for the "best science book for youth" has been received by me and Red Valens, co-authors of "Elements of Science", which is

based on my series of ten half-hour films produced by educational television station KQED. (The fact that my book was identified as "Elements of Science" rather than Elements of the Universe is of minor import.)

After the Board meeting I talked to Tuck (Governor Brown's secretary), who told me that the Governor, in response to my request, has reserved a date for a UC Berkeley University Meeting but he couldn't remember it and apparently will let us know. A few minutes later I talked to Ray Kettler (Statewide Controller) regarding candidates for the position of Vice Chancellor-Business Affairs for the Berkeley campus. He said that Eric Erickson is a very good man, has an MBA from Berkeley and is in his middle 30's. He told me that Norman Mundell has been at UC Berkeley for about 20 years but it is not easy to get new ideas across to him.

At 4:30 p.m. in the same room I attended a meeting of the CCCO and the President's Cabinet with President Kerr and Vice President Wellman. Kerr told us that Governor Brown has promised to look at our budget again, admitting that some mistakes were made. We should "sit tight" for a while. Brown and Kerr are going to meet alone first and then with the people in the State Department of Finance; in the meantime there should not be any publicity. Brown has promised that some adjustments will be made (although it is not likely to be a large sum). Perhaps some of the funds that were cut out from Extension (its entire budget was cut) will be restored. Some will be restored to the UCLA dental school and our authority to waive out-of-state fees for graduate students will be restored. Brown is convinced that the procedure--that is, the non-consultation with the University--was wrong and apparently it will not happen again.

Kerr told us that Emil Mrak was approved in Executive Session at the Regents Meeting to be Chancellor-Elect at Davis, succeeding Stan Freeborn, who is retiring.

The meetings scheduled to consider the budget on March 2nd have been cancelled and this will now be covered at the next meeting of the CCCO. This is all good news but I will need to know how many faculty we are going to be able to hire and how many students we are going to have (which will determine how much improvement the added funds might promise).

After this meeting I had a little session with Stan McCaffrey, Jim Corley and Harry Wellman. They told me that the State is considering supporting mining and mineral research at Berkeley through a special bill. Earl Parker has made or is to make a proposal due in time for the March meeting of the Regents and Corley is to be the contact on this.

On the airplane flight from Riverside to Los Angeles I had an opportunity to talk with Kerr. I reiterated the difficulty of getting money for research support of social sciences and humanities and asked him to help me be on the lookout for support from endowment funds, foundations and industry. I also emphasized the importance of some realignment of graduate fellowships to give more to nonscience fields and more to first year graduate students, a problem that has been brought into focus by Aaron Gordon's request.

At the Riverside airport I bought a copy of the Riverside Daily Enterprise, which features a large picture of me and a story based on an interview I had with a reporter outside of the Regents Committee Meeting Room yesterday afternoon. This story is headlined "Nobel Chemist- More Humanities Research

Urged" and says that I would like to see institutes on the campuses for the humanities and social sciences with budgets to make it possible for the professors to take time for research in their fields, as has been possible in the sciences since the war. I also extolled the virtues of educational television, calling attention to the National Television Network show by Harvey White, on leave from the Berkeley campus.

We flew back to the San Francisco Airport on United Airlines Flight #685, which left Los Angeles at about 9:15 p.m. and arrived in San Francisco at about 11 p.m. I was met by a University driver and driven to the campus, where I picked up my car and drove on home to Lafayette.

Saturday, February 21, 1959

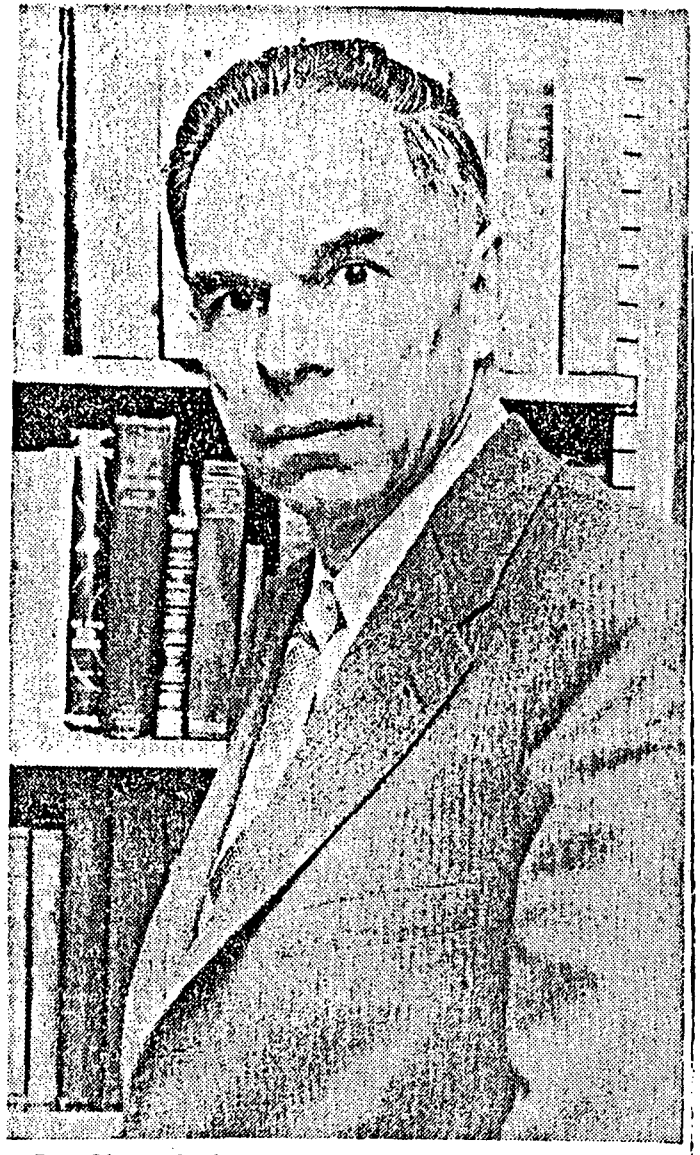
The driver last night met me with a stack of papers from my Chancellor's Office, which I read today and some of which are worth mentioning here.

A clipping from Thursday's San Francisco Examiner shows an article with the headline, "Education Act- UC Profs Oppose Student Loyalty Oaths on Loans". It describes the meeting of the Berkeley Chapter of the American Association of University Professors on Wednesday, at which opposition was voted to the provision of the National Defense Education Act requiring student loan applicants to disavow violent overthrow of the government. The group also asked the University of California to abstain from further participation in the program until the required disclaimer is withdrawn.

A clipping from yesterday's Daily Californian is headlined "Text of Athletic Policy Proposal", which includes the full text of the unified athletic policy proposal presented to the ASUC Executive Committee on Tuesday and upon which action was postponed until next Tuesday's meeting. This is a recommendation for uniform statewide intercollegiate athletic policy and the structure for maintaining its enforcement at the University of California. This also includes the recommendation for the Berkeley campus that the Chancellor, while maintaining responsibility and authority for the proper execution on the Berkeley campus of the uniform statewide intercollegiate policy, should delegate to the ASUC the direct management and control of intercollegiate athletics under those athletic policies and provisions of the ASUC Constitution. It also includes the recommendation that the University of California should regularly compete athletically only with those institutions having similar policies and programs, should not schedule intercollegiate athletic contests with universities which practice racial discrimination in athletics, and should make every effort to hold all athletic public policy discussions and decisions in open session. There are a good many good ideas in this proposal, it seems to me, but I am afraid that we are going to go in the direction of more control of athletics by the Chancellor and the University administration.

I also read a press release from the Office of Public Information of the University of California, saying that Stephen Spender (English poet and critic), who is regarded as one of the most important figures in the literary and political history of the last 20 years, will deliver the 1959 series of eight Beckman Lectures, beginning at 8 p.m. on Thursday, February 26th, in Wheeler Auditorium. Subsequent lectures in the Thursday evening series will take place in 155 Dwinelle Hall.

RIVERSIDE DAILY ENTERPRISE
February 20, 1959



Dr. Glenn Seaborg, a Nobel prize winner, waited yesterday outside a regents' committee meeting on the University of California campus at Riverside and talked with a reporter.

NOBEL CHEMIST

More Humanities Research Urged

By TOM PATTERSON

Dr. Glenn Seaborg, Nobel prize chemist turned university administrator, said yesterday he still has a hand in science, but he is seeking to promote more than a science program.

He would like to see the social science and humanities fields get more support for research, and he favors more use of television "in the right spots."

DR. SEABORG succeeded Dr. Clerk Kerr as chancellor of the Berkeley campus of the University of California when Kerr became president. He is in Riverside for the regents' meeting.

His science background, he agreed, is helpful to an administrator, and his present job is an "interesting new challenge," but he also said:

"I'd like to see institutes on the campuses for the humanities and social sciences with budgets to make possible for the professors to take time for research in their fields as has been possible since the war in the sciences."

HE APPLAUDED the investment made in research by the Atomic Energy Commission, the Institute of Public Health, Office of Naval Research, National Science Foundation and numerous private foundations.

But as to the social sciences and humanities, "They don't really have these oportunities at all."

Another thing: Dr. Seaborg "would like to build up the public lectures on our campus — what we call the drama, lectures and music. (A committee of the same name and function operates on the Riverside campus.)

THIS METHOD of giving scholarly information to the public is underdeveloped, and it's an important adjunct of an educational institution."

DR. SEABORG'S idea of a good spot for television is the current course being taught on a national television network by Dr. Harvey White, on leave from Dr. Seaborg's Berkeley campus.

It's primarily intended for high school teachers, to help upgrade their information and methods.

"I think this is the only way we could have met this urgent and critical question on the time scale that's necessary.

"MATHEMATICS, I think, will be the next subject presented in this way.

"I believe there's a great future in educational television. The Magnuson bill now before Congress isn't ideal, but the political complexities are such as to make it better than trying to shoot for one incorporating everything that might be desired."

Dr. Seaborg won the Nobel prize in 1951 as co-discoverer of plutonium, important nuclear fuel, and other trans-uranium elements. Since then he has discovered others to a total of nine trans-uranium elements.

HE SPENDS two afternoons weekly in the radiation laboratory on the Berkeley campus.

While his new job is "challenging" he said he wouldn't be doing it if he couldn't also remain a scientist.

I noted some memoranda in my name but signed in my absence. One, addressed to faculty appointment and promotional committees, spells out their method of operation and admonishes that the deliberation and report of the committees should be held in the strictest confidence.

Another went to Registrar Clint Gilliam in his additional capacity of Space Assignment Officer. It represents an analysis of space needs of departments eligible for assignment of space in temporary buildings that will be vacated upon the completion of Campbell and Kroeber Halls. The memo states that I am aware that the reassignment of space in Sproul Hall, together with the decision that my office is to remain in Dwinelle Hall, has held up a plan to reassign space in temporary buildings and mentioned the impact on the space reassignment problem of the recent transfer of 130 persons from statewide to Berkeley campus jurisdiction. I referred to the shortage of space in Campbell Hall for housing the departments of Astronomy, Mathematics and Statistics, the current crowding of the permanent residents of Dwinelle Hall and the longstanding requests of Engineering and other departments for space in the central glade T-Building. Thus, the problem of reapportionment of space vacated incident to the completion of the two new buildings is indeed a difficult one. I asked the Space Assignment Committee to make a careful study of this and said that I will appreciate early action so that the transfers of space can be made before the beginning of the Fall Semester.

In a memorandum to George L. Mehren (Department of Economics) I asked him to serve as Vice Chairman of the Committee on International Studies, effective immediately and through June 30, 1959, and informed him that the other members of the Committee are Paul S. Taylor (Chairman), Tom Blaisdell, Jr. (Executive Secretary), Charles Aikin, Reinhard Bendix, Delmer Brown, Denzel R. Carr, Leslie Lipson and Andreas Papandreou.

I read a memorandum that Errol Mauchlan sent to Louis Henyey yesterday, saying that we cannot approve the funding for a social sciences programmer for the Computing Center, as he requests, without a more detailed justification, due to the present budget stringency,.

There were two memoranda from Jim Hart. One calls attention to the problem that Librarian Don Coney has in keeping a proper and relevant supply of books in the library in the face of the changing composition of the faculty, about which he is not very well informed.

The second informs me that William Jensen (Botany) and Frank Pitelka (Zoology) would like to invite Aldous Huxley to address the Botany and Zoology Seminar on May 6th. With respect to the former, I scribbled a note suggesting that we discuss it before or during the Cabinet meeting on Tuesday and with respect to the latter, I endorsed the idea that Huxley also address a University Meeting.

A memorandum from Clark Kerr encloses correspondence with Harry Newburn, who has a year long assignment with the Ford Foundation for his project, "The Study of Faculty Personnel Policies in Selected Safe Universities". (I knew Newburn when he was President of the University of Oregon during much of the time that I served as the Berkeley Faculty Athletic Representative.) The correspondence shows that he plans to be at Berkeley during the month of March, arriving on March 2nd, to begin work on Tuesday, March 3rd. I scribbled a note to Anna Carol to make an appointment for me to see him on March 3rd.

A memorandum from Milton Chernin summarizes the details of the Charter Day arrangements as he gleaned them from a telephone conversation with Garff Wilson last Wednesday. A buffet luncheon will be served at the Strawberry Canyon Clubhouse for not more than 230 persons, followed (if weather permits) by a little dedication ceremony, which will take place on the porch after the luncheon, at which Kerr, I, Wally Haas, a spokesman for the Stern family, and perhaps Carl Nordly (Chairman of the Strawberry Canyon Committee) will each speak for two or three minutes. A reception in the Reception Quarters of the Greek Theatre will take place after the Charter Day ceremonies in the afternoon, at which official delegates for the inauguration will be able to greet me.

A memorandum from Business Manager Bob Kerley to Alex Sherriffs outlines the conditions under which the Business Manager should be responsible for the food service operation in connection with the new Union building, which will include a new Bear's Lair and a cafeteria building in the Union complex. He mentions that John Saunders has requested me to provide assistance from Berkeley for the food service in the San Francisco Union and his staff is now in the process of getting them out of their difficulty. I made a note that we can assume that the food service operation in the Berkeley student center will be under the single administration of our Business Office and that it is not necessary to inform Jim Corley (Vice President-Business Affairs) about this.

A memorandum from Leslie Lipson (Acting Director of the Institute of Social Sciences) informs me of recent discussion with the Ford and Carnegie Foundations in New York, which I authorized in our discussions at a meeting of the AAC. Unfortunately, he has learned that they do not give general grants for broad purposes to a particular campus, although they wholeheartedly agree with our aims. Therefore, he earnestly hopes that our budgetary request to the State for 1960-61 may include a proposal for an increase of the support of the Institute.

A memorandum from Pacific Gas and Electric Company informs me of their plans for acquiring a site for their proposed nuclear power plant at Bodega Bay; they have filed action of eminent domain to obtain a property of about 400 acres in the central section of Bodega Head. Unfortunately this is a proposed site for our Marine Biological Laboratory.

Ed Strong wrote to tell me that he learned in a phone call late Wednesday from Charles Smith (Dean of Public Health) that Berkeley City Manager Phillips wants to keep the State Public Health operation in Berkeley and is cooperating in seeking a site other than the Gill Tract to locate their replacement building. He says that DeMonte is ably representing the University's interest in the possible procurement of the building now occupied by the State Health people.

In the afternoon Helen and I drove to the Mulvaneys' home in Berkeley to deliver my filled-out application for associate membership in the Claremont Country Club as a followup to the meeting with them on February 11th. Helen told me that she attended a meeting of the Foreign Student Hospitality Committee at Sylvia McLaughlin's house last Thursday morning.

Sunday, February 22, 1959

This morning's Oakland Tribune carried a story by Ed Salzman, based on his interview with me last Tuesday. The headline reads "Seaborg Reports Liberal Arts Neglected in Rush to Science" and the story opens by saying that I fear that vital non-technological educational needs are being neglected during America's rush to promote scientific learning and goes on to say,

> "The Chancellor, who is relishing his new contacts with leaders in all fields, has concluded that U.C. also should have a large social science and humanities institute to conduct research with resources comparable to those of our Radiation Laboratory."

It also says that I still direct the activities of three graduate students in Nuclear Chemistry and go to the Radiation Laboratory two or three times a week to discharge my duties as Associate Director of the research plant. He also mentions my weekly open conference hour with students and indicates that my chancellorship has had no effect on the family life of Mrs. Seaborg and me or our five children.

Monday, February 23, 1959

Today is an academic and administrative holiday at the University in recognition of George Washington's birthday. However, I went into the Rad Lab to talk to my graduate students and a number of others who are working today and attended a sort of brunch session of our regular Monday brown bag luncheon meeting of the Nuclear Chemistry Division staff in Iz Perlman's office.

Tuesday, February 24, 1959

From my Chancellor's Office today I sent letters to Jerzy Neyman and Elizabeth Scott (Statistics), congratulating them upon their receipt of the Newcomb Cleveland Prize at the 1958 meeting of the American Association for the Advancement of Science; to David Templeton (Chemistry) inviting him to become a member of the Committee on Nonfaculty Professional Research Personnel (this is to replace Ken Pitzer who is unable to serve); to Bob Brode at the National Science Foundation saying that it will be good to have him back with us next fall; to James S. Moulton (PG&E) thanking him for his letter of February 18th concerning the efforts of PG&E to acquire Bodega Head; to Walter J. Murphy (Editorial Director of Chemical and Engineering News) expressing regret that I will not be able to attend their Advisory Board meeting to be held in Washington May 4th and 5th; and to Nicholas Vytlacil (Sandia Corporation in Albuquerque, New Mexico) advising him that he is free to negotiate with Dr. Paul Lieber of our Mechanical Engineerng Division for a consultantship with Sandia Corporation, as requested.

I also wrote AEC Chairman John McCone, expressing pleasure that he will be in San Marino on March 7th and 8th for his dinner in honor of Sir Edwin Plowden, offering him the opportunity to discuss the Lawrence Memorial Committee with Ed Pauley who will also be there.

In response to his request of February 4th, I sent a memorandum to Clark Kerr attaching a list of those issued courtesy parking permits because they are donating their services to the Berkeley campus, a total of 16 people

OAKLAND TRIBUNE - February 22, 1959

Seaborg Reports Liberal Arts Neglected in Rush to Science

DR. GLENN T. SEABORG
Champions Liberal Arts

By ED SALZMAN

BERKELEY, Feb. 21—University of California Chancellor Glenn T. Seaborg fears that vital non-technological educational needs are being neglected during America's rush to promote scientific learning.

The world famous chemist says that U.C., which received $122,000,000 last year to conduct atomic research, has been unable to obtain relatively minute amounts for several important projects in the liberal arts.

In an interview on the anniversary of Seaborg's first half year as top administrative officer on the Berkeley campus, the Nobel Laureate revealed that he has found areas in which the university needs improvement.

"But most of them cost money," he commented. "And funds for non-scientific programs have become exceedingly difficult to obtain."

VOICES CONCERN

Dr. Seaborg expressed concern because, unlike many other institutions, the University of California does not have a modern language laboratory with the latest electronic equipment.

The necessity of establishing a top-notch language program is obvious, he said, and electronic facilities are vital to proper teaching of linguistics.

"Secondly, we need more endowments for cultural events—drama, lectures and music," Dr. Seaborg stated. "We're doing pretty well, but we have an excellent opportunity to do a great deal more."

He called for more art exhibits, music concerts, operas and wider use of the U.C. Greek Theater. "The taxpayers can't be expected to pay for these activities," he said. "The funds must come from endowments."

SOCIAL RESEARCH

The chancellor, who is relishing his new contacts with leaders in all fields, has concluded that U.C. also should have "a large social science and humanities institute to conduct research with resources comparable to those of our radiation laboratory."

"I wish we could get funds to free some of our professors for research in fields such as economics and foreign relations," was his statement. "For example, the institute could supply advice and assistance to the underdeveloped nations of the world."

What would be operation of such an institute cost per year? "Perhaps $1,000,000 or so," Dr. Seaborg estimated.

Turning to science, the chancellor expressed a desire for the university to "get into the space sciences and develop equipment for rockets."

SPACE PROJECTS

Seaborg doesn't expect the university to launch space ships, but he thinks U.C. should begin programs similar to those under way at Cal Tech and Iowa State.

Appointment to the chancellor post has caused several changes in Seaborg's routine. He has been forced to stop teaching advanced chemistry and remain available at all times for appointments, emergency meetings and conferences.

However, he still directs the activities of three graduate students in nuclear chemistry and goes to the Radiation Laboratory two or three times a week to discharge his duties as associate director of the research plant.

One of the special jobs of the new position is Seaborg's weekly open conference hour with students. What do they ask?

"Anything," he replied. "A complaint that a course isn't taught right . . . A professor is flunking too many students . . . A youngster doesn't know what course to take . . . Questions about student politics . . . anything."

Seaborg finds relations with students so enjoyable that he had decided to keep his office in Dwinelle Hall, primarily a classroom building, instead of moving to the Berkeley campus administration building, Sproul Hall.

The chancellorship has had no effect on the family life of Dr. Seaborg or his five children. But Mrs. Seaborg has learned that there's a wide difference between being the wife of a teacher-researcher and being the wife of an administrator.

SOCIAL OBLIGATIONS

Whereas, Mrs. Helen Seaborg could stay home almost all the time last year, she's now obliged to attend teas, board meetings, planning groups, committees and other functions virtually every day.

Dr. Seaborg looks for more scientists to move into key administrative posts in government, education and industry. "The scientist is now a member of a team rather than a laboratory worker. He now has a far greater chance to demonstrate his administrative ability, but the Latin professor remains in the same position."

The chancellor will return to the classroom following a respite of almost a year on May 29, and he'll have the largest class of students in his career. On that date, Seaborg will lecture on his favorite topic, "The Transuranium Elements," on television's "Continental Classroom."

(consisting of M.D.s and representatives of the Office of Naval Research who come to the campus for contract administration purposes).

Another memorandum went to Charles Smith (Dean of the School of Public Health) advising him that Acting Chairman C. W. Brown of the Building and Campus Development Committee advises me that the space assignment problems of emeriti professors now can be handled readily by Space Assignment Officer Gilliam and the Space Assignment Subcommittee and, therefore, the Special Subcommittee on Space for Emeriti Professors will be dissolved.

I called David Z. Beckler (Executive Officer of the President's Science Advisory Committee [PSAC] in Washington, D.C.) at 11 a.m. to tell him about my visit to Washington on March 5th and 6th and to make a date with him to see him late on the afternoon of March 5th.

I learned from Bill Fretter that Ted Sherburne (our campus television coordinator) has talked to Larsen of Indiana University regarding the Title VII policy under which overhead for TV proposal grants may not be paid; without a 15% overhead provision in the grants, the University of California cannot participate. Fretter suggests that I make a very strong statement on this when I attend the meeting of the Committee on New Educational Media in Washington on March 5th and 6th. Because of the extreme cut in the Extension Division's budget, which presently supports the University's television programming, Sherburne thinks that TV is a "sitting duck" unless the campuses could budget individually for closed circuit TV.

Beginning at noon I presided in the Chancellor's Conference Room at the regular brown bag lunch meeting of the Chancellor's Cabinet, which was attended by Fretter, Hart, Malloy, Mauchlan, Sherriffs and Strong. We approved a chart indicating the space to be occupied by the Chancellor's staff in Dwinelle Hall.

We have learned that four connected buildings covering an area of some 218,000 square feet, located at 12th and Pine Streets in Oakland, have been declared surplus property by the Federal Department of Health, Education and Welfare, and that the Regents have approved a resolution to make application for this property, which would be given to the University, Berkeley campus, at a 100% educational discount.

We have also learned that C. Northcote Parkinson is interested in coming to Berkeley on a visiting appointment; I said that I will talk again to Lincoln Constance in an attempt to find a place for him in one of the Berkeley departments.

I reported on the actions taken at the CCCO meeting in Riverside last Wednesday night and on the main actions, as they pertain to Berkeley, taken by the Regents at their meetings in Riverside.

I told them that Vern Knudsen has forwarded his suggestions for the report of the Committee on Bright Young Scientists and when other suggestions have come in, I will talk to Kerr and Wellman about this.

Fretter discussed Kaufman's problem of radioactivity in Southern California to help me prepare for my appointment with Kaufman at 4 p.m. today; I suggested that if Washington AEC approves the proposal, it should be all right.

Sherriffs reported on the latest activities of SLATE; its annual meeting was attended by some 44 persons and they decided to take on a political action function.

Shortly after I returned to my office, I had a meeting with Dr. Macauley (Registrar of the New South Wales Institute of Technology). He wanted to know how educational policy is determined at Berkeley and was interested in relationships between the University of California and the state colleges, which I tried to explain to him briefly.

At 2:30 p.m. I had an appointment with Dr. Hans Molitor (Chairman of the Board of Trustees of the Merck Institute for Therapeutic Research in Rahway, New Jersey). He wanted to know whether I think that during the next ten years there will be increased federal support for basic research in universities and in industry. I said I think there will be such increase in support of universities and colleges but probably not in industry because the government will rely on industry to support its own basic research. He agreed and said that industry should not accept federal money for basic research but should divert it to universities. He asked where I think we will get all the scientists we will need in the future, through expanding facilities or through importing scientists. I said that I think that it will be through expanding universities and colleges and gave the example of the University of California expanding to an enrollment of 100,000 by 1970. He agreed and said that he thinks we should not import too many scientists because they are needed in their own countries. He asked how many foreign students we have and I answered over 1,000. He asked if I have any difficulty accepting the concept of federal aid for science and I said that I have not and that in the use of federal aid, we have been very free in determining our program and that I think federal aid to education will expand to include support of research in nonscientific fields.

From 3 p.m. to 4 p.m. I had my regular weekly meeting with Lincoln Constance. Among the items we discussed were the following:

1) Josephine Miles and Henry Smith of the Department of English have come up with a proposal that the Department initiate a one semester course to train teaching assistants of other departments to train students in English composition in their respective subject fields. The proposed course would cost about $8,000 annually and we decided that Ed Feder, his assistant, and Errol Mauchlan will be given the responsibility of seeing what we can do to keep this program going.

2) We decided to ask Ed Strong to discuss with Esmond Snell the continuing problem of departmental affiliation and "rights" with regard to Professors Li, Knight and Stanley, in view of Snell's letter to Dean Constance of February 20, 1959, which now expresses reluctance to grant them such departmental affiliation.

3) Will Dennes (Philosophy) has proposed a fairly elaborate staffing plan for 1959-60 which will result in exceeding their FTE allotment by 0.5 to 0.67; in view of the fact that no continuing commitment is involved, the salary savings will be available, and that the Department is experiencing heavy enrollment gains, we agreed that the Department might be allowed to go over the top of its FTE to this extent.

4) The chairman preference poll in the Department of Astronomy is confused because several staff members indicated their preference for the appointment to the staff of people not now in the University and also because both Louis Henyey and Harold Weaver were named. Since these men are essential to the Computer Center and their Radioastronomy Laboratory, respectively, naming either as Chairman might produce unfortunate repercussions. Constance thinks we might possibly make John Phillips Acting Chairman until the appointment of an outsider can be arranged. However, he would not wish to pass over Henyey if he really wants the chairmanship. Constance is going to discuss this matter with Fretter.

5) Because of the new College of Letters and Science requirements for an advising system, the beginning course in English has been flooded while Speech 1A-B has languished. Henry Smith proposes to arrange now for a specific list of available sections for 1959-60, which when filled, will necessitate the turning away of students or their diversion into Speech 1A-B. Since I have not had an opportunity to read Smith's letter, Constance left it with me to consider and we will discuss it again at our next meeting next week (March 3rd).

6) In view of the action of the local chapter of the AAUP on the National Defense Education Act loyalty oath, I thought Dean Constance should be advised of Kerr's and my attitude--that this is a matter for Congress to look into and not a local affair--and that it is better for us not to make any public statements but to devote ourselves to removing the last vestiges of scar tissue of our own oath controversy.

As soon as I finished my meeting with Constance, I received a phone call from General Counsel Tom Cunningham, saying that John Sparrow (Associate General Counsel) has interviewed Herm Weiner, our over-ardent Bear supporter in the Los Angeles area, and has run into a direct conflict between Weiner's testimony and that of a UCLA student. He has interviewed the student again but Weiner has refused to talk with him. Sparrow will delay his report until we have had a chance to get in touch with Weiner, if we want to do so.

At 4 p.m. I met with Warren Kaufman to hear firsthand his description of his project in Los Angeles involving the use of tritium. By tomorrow afternoon he will give me a summary of all the groups that have okayed the experiment and of the groups that will be notified ahead of time of the chance to object (in which case, the experiment will be dropped), together with relevant documents and a proposed press release. I said that I will then let him know my answer by Thursday.

At 4:15 p.m. I met with Allen C. Blaisdell (Foreign Student Advisor), who wanted to discuss the recommendations of the Committee that the Foreign Student Advisor report to the Dean of Students and that a position of Exchange Service Officer be created. He would like to see these changes postponed for a year. He said he isn't sure whether the Exchange Service Officer duties are specifically defined and that he would want the position and wondered whether he should not return as full-time director of International House instead. I was noncommittal and said we will discuss this at the International House Board meeting, including deciding when to start the new Foreign Student Advisor-Exchange Service Officer program. I approved the agenda that he has sent for the International House Board meeting.

At 4:50 p.m. I called Frank Kidner to acquaint him with my conversation with Tom Cunningham today in regard to Herm Weiner and the UCLA student; Frank will call Weiner to try to convince him to talk to Sparrow. I asked Kidner if he would be willing to talk at the ASUC Retreat at Alumni House next Saturday. He doesn't think that this is a good time to do this--I agreed and said that I will let him know if I change my mind.

Greg Engelhard called at 5 p.m. to say that he wants to talk to me about a personal matter and also about a possible Department of Athletics, which was discussed at the last IAAC meeting. I told him that I will try to see him at the end of the week.

When I came home, I learned from Eric that he attended playschool at our neighbors', the Cummocks' today, which was enlivened by a birthday party for his young friend, Mike Cummock. Helen was away attending first a dinner at the YWCA in Berkeley and then a meeting of the Dames officers at the Kerrs' home in El Cerrito.

Wednesday, February 25, 1959

I drove directly to the Radiation Laboratory this morning to attend the meeting of the Associate Directors. Almost immediately following this, I drove down to the campus and went to my office in Dwinelle Hall.

I learned that at their meeting last night the Executive Committee of the ASUC adopted the resolution concerning intercollegiate athletic policy. The resolution recommends that the Board of Regents, although maintaining final authority for all policies of the University, should make every effort to remain detached from the actual enforcement of the athletic policies of the University; that the President should be responsible for such enforcement on a statewide level, assigning to the Chancellor of each campus the responsibility and authority for the proper execution on his campus of the uniform statewide intercollegiate athletic policies; and that the Chancellor should delegate to the ASUC the direct management and control of intercollegiate athletics. It states that all financial aid to any University of California student should be administered by the University or the agency responsible for direct management and control under procedures established for administering scholarships and grants-in-aid to all students, but this should not include athletic work programs which may be operated by the agency responsible for direct management and control. This means that the ASUC, for example, could administer these programs. It states that contracts for coaching personnel should not exceed five years in length and that the University of California should regularly compete athletically only with other institutions having similar policies and programs and should not regularly schedule intercollegiate athletic contests with colleges or universities which practice racial discrimination in athletics and should make every attempt to hold all policy discussions and make all policy decisions in open session.

This is not a bad statement but unfortunately reporters from the San Francisco Chronicle and the San Francisco Examiner wrote inaccurate interpretations which appeared in this morning's papers. These stories said that the resolution would shift the burden of athletic control from the Regents to the students, by saying that the statewide enforcement of athletic policies would delegate the powers to the chancellors of the eight campuses, who in turn should channel to the students direct management and control of

intercollegiate athletics. The stories also say that the resolution asserts the students' approval of the "free ride" for athletes, which is not true and a very unfortunate, misleading statement which will attract a good deal of adverse publicity. A story also appeared in the Daily Cal in which Mike Hone is quoted as saying that the control of work programs is loosened.

Among the letters I sent off today was one to G. N. Yakovlev (Atomic Energy Institute in Moscow) thanking him for the book covering a conference on isotopes and radiation which he sent me and telling him that I will not be able to attend the Mendeleev Conference in Moscow in March, but that Stanley Thompson and Albert Ghiorso will attend. (I met Yakovlev at both the 1955 and 1958 U.N. Atoms for Peace conferences in Geneva.)

I also wrote to Berkeley Mayor Claude B. Hutchison in response to his letter of February 5th, nominating as persons worthy of having a tree named after them in the International Peace Grove in Tilden Park, Ernest O. Lawrence, John Foster Dulles (U.S. Secretary of State), Dr. James B. Fisk (who headed the Western delegates to the Geneva Technical Conference on the Detection of Atomic Explosions), Henry R. Labouisse (who directed the United Nations Relief and Works Agency for Palestine refugees up to June 15, 1958) and Reverend Dominique Georges Henri Pire of the Belgium Dominican Order (who received the 1958 Nobel Peace Prize).

I wrote to Wendell Stanley, expressing sorrow for his recent illness and asking him to participate, nevertheless, in the work of the Committee on Nonfaculty Professional Research Personnel, sending a substitute to the meetings pending his recovery. To R. R. Brown, William Dauben, Carl Helmholz, Richard Powell and Harvey White, I wrote asking them to serve on a BCD subcommittee responsible for planning the Chemistry-Physics Auditorium, with Powell as Chairman and with Helmholz serving until the return of White from his television assignment in New York.

Another letter went to Clark Kerr with recommendations concerning a letter I received on November 14, 1958 from Miss Viva M. Brown (President of the California Scholarship Federation) asking me to reconsider the decision that the University had taken "not to award CFS Scholarships for Sealbearers" (life members of the CSF) for the 1959 school year. This matter has been studied by the Committee on Undergraduate Scholarships and its Chairman Donald Shively has written to me, recommending the designation of two of the Regents Scholarships given annually on each campus as "Regents California Scholarship Federation Scholarships" and that these be awarded to the man and the woman who are CSF lifetime sealbearers and rank highest academically on the list of incoming freshmen who have been selected to receive Regents Scholarships. I recommended to Kerr the adoption of this plan.

Ed Strong is sending a memorandum to Law School Dean Bill Prosser, outlining the decisions we have made concerning salaries for Law School faculty in order to compete. He points out that our decision is that the standard salary scale will remain in force and the competition will be met by upgrading within the regular professorial rank system.

I read a memorandum from Milt Chernin, commenting on Dean Pitzer's suggestion of February 6th for changing compulsory faculty office hours during Registration Week because of registration by mail; Chernin agrees that some changes need to be made but he is more concerned that students have advisors

available when they need them than that faculty members be asked to spend a few unnecessary hours in their offices.

A memo from C. W. Brown informs me that at its meeting on February 19th, the BCD Committee approved the land use proposal for the Gill Tract as worked out by the Office of Architects and Engineers and the Physical Development Planning Subcommittee. A. R. Wagner is prepared to present this to the Campus Planning Committee, whenever I wish. I made a note that I would like to have it discussed at the next meeting.

A letter from William E. Davis, Executive Secretary of Stiles Hall (the University Young Men's Christian Association), enclosing a list of about 200 University personnel who have participated in Stiles Hall activities during 1958 and including a listing of those activities, was rather interesting. I am included as serving on the Advisory Board and participating in the Freshman Fellowship Program.

A memorandum from Thomas C. Blaisdell, Jr. (Director of the Bureau of International Relations of the Institute of International Studies) comments on the visits of three groups of Russians on the campus during recent weeks-- the visit of six rectors of universities (sponsored by the American Council on Education), the visit of nine educators (sponsored by the Commissioner of Education of the Department of Health, Education and Welfare) and the visit of the Russian scientists in connection with the International Geophysical Year. He comments that the visits were not very impressive in accomplishment, that the visit of the six rectors of professional universities was undoubtedly the best, that the nine educators' visit was the second best and the IGY scientists' visit was least impressive.

A letter from Mrs. F. J. Stichweh, daughter of Bill Henry (the longtime newspaper columnist with the Los Angeles Times), thanks me for the book and the pictures that I sent for use in their local Chatsworth junior high school when it is completed and which will be named in honor of Ernest O. Lawrence.

An urgent item that I have to deal with is the question of Warren Kaufman's tracer studies of groundwater replenishment in Los Angeles County and particularly the health aspects of using radioactive tritium as the tracer. As promised, Kaufman has sent me a complete description of the project and Hardin Jones, at my request, has sent his evaluation. I also have a memorandum from Bill Fretter, describing the conversation he has had with Hardin Jones about it. In this method the radioactive tritium is used to determine the age of the water in various pools since the half-life of tritium is just about the period of movement of the water. Jones estimates that labelling the underground water with tritium will impart a total radiation exposure of at most considerably below one milirad and on this basis he believes the project is reasonable. However, he says that there is certain to be adverse public reaction and that Lewis and Pauling at Cal Tech called him to inquire about it about ten days ago and have subsequently written a protest to the Public Health Service based upon need for vigilance and protection of the public against radiation exposure. This will obviously be a difficult decision to make.

I had a meeting with Norman Mundell and Errol Mauchlan at 11:30 a.m. to discuss the plans for funding the Student Union complex.

At about noon Anna Carol told me that she talked by phone to ASUC President Bill Stricklin who says that the Chronicle and Examiner got their stuff from some hired student spy, who picked things off desks over at the ASUC and in this case, picked up some very early tentative, only-for-discussion draft and gave it to them. Stricklin is furious, saying that the intent of the resolution is exactly the opposite of that stated in these newspaper stories, that is, if anything it advocates tighter control of athletics. He has talked with Ed Schoenfeld of the Oakland Tribune, who now has the straight scoop and will write a story for the Tribune today and get it out on the wire services. Frank Kidner and Bill Stricklin have each made statements for the newspapers. She told me that Alex Sherriffs checked on the Mike Hone statement mentioned in the Daily Cal and upon reading the resolution, finds that the recommendation regarding control of the work program is not to have looser control but to keep it in ASUC hands. Control of grants-in-aid and scholarships is to be put in University hands.

At noon I had an appointment with Kenneth Pitzer. He wanted to discuss the naming of twin connecting rooms in the Faculty Club after Gilbert Lewis and Wendell Latimer, for which contributions are being raised. Pitzer will give $1,000 and I said I would match it. I brought him up to date on the status of our attempts to obtain funding for Melvin Calvin's building. He told me that he has been invited to give a lecture series in Formosa and also in Australia, which he will probably accept sometime in the future but he would like to know how long he can be on leave with salary.

He also told me about his plans for an Inorganic Materials Laboratory which he proposes be connected with the Radiation Laboratory in a manner similar to the way in which Donner Laboratory is connected and would have its own building and a budget on the order of $3 million supported by the AEC. He said that he would be the director and Leo Brewer, Alan Searcy and Earl Parker would be his chief aides in directing the laboratory. He will start to try to get funding for this very soon; I reacted favorably and very enthusiastically.

Starting at 12:15 p.m. in the Chancellor's Conference Room (Room 3335B Dwinelle Hall), I presided over the meeting of the Chancellor's Advisory Administrative Council (CAAC). Present were: members R. J. Bressler, M. Chernin, D. Coney, L. Constance, J. P. Danton, C. F. Garland, C. C. Gilliam, E. T. Grether, J. D. Hart, R. Kerley, F. L. Kidner, G. C. Kyte, E. M. McMillan, M. T. Morris, N. Mundell, K. S. Pitzer, K. A. Ryerson, A. C. Sherriffs, C. E. Smith, T. B. Steel, M. A. Stewart, K. B. Stoddard, E. W. Strong, H. J. Vaux, O. W. Wilson and W. W. Wurster and also attending were Dr. Margaret Zeff (Acting Director of the Student Health Service) and Dr. Saxton Pope (Director of the Department of Psychological Medicine). It really crowds us to get all of these people into the Chancellor's Conference Room, which is situated just across from my office (through Anna Carol's office).

After we finished eating, I introduced Dr. Zeff and Dr. Pope for reports on the Student Health Service, commenting that I hope from time to time to have reports from various student services. Dr. Zeff reported that the Health Service tries to keep students in class and Dr. Pope reported that there are 36 psychiatrists, clinical psychologists and social workers on the staff of Cowell Hospital (30% of whom are not paid by the University). About 5% of the student body is seen annually.

We then discussed the proposed ICA rotation program for University faculty members. Strong reported that responses from departments indicate that they

are unwilling to commit themselves to the fixed term of two years proposed by the ICA. This information with supporting materials will be sent to Vice President Wellman.

I reported that a committee is working on a proposal for a Space Sciences Laboratory, to be financed hopefully by federal funds, a major enterprise, and the plan at present is to find space for the new laboratory up above the Radiation Laboratory; the proposal is being considered by the Senate Educational Policy Committee.

I announced the forthcoming visit to campus of Dr. Harry K. Newburn, who is conducting a study of faculty personnel policies for the Ford Foundation.

I made reference to Governor Brown's plan to give the Sutro Library to the University; there has been some public stir about this and the University will not initiate any action to acquire the library, although it contains some valuable items. I requested that Librarian Donald Coney make an appraisal of changes in personnel and program which would substantially affect library acquisitions.

I raised the question of how we can provide more fellowships for graduate students in the first year or two of graduate work and more in nonscientific fields, a problem that has been identified by Aaron Gordon of the Department of Economics. Dean Stewart said that the Graduate Council will soon give attention to this, that the physical sciences and engineering are favored, in the social sciences political science is most favored, and the humanities are least favored.

I reported on the meeting I attended at Davis with University and public school representatives and identified one problem raised at the meeting, namely, that very few substantive courses are offered after school hours so that high school teachers can take them.

I reported on the discussions concerning limitations on enrollment that have been taking place at the meetings of the Academic Advisory Committee; this led to detailed comments from members of the CAAC which will be taken into account in redrafting the memorandum that will be sent to President Kerr on this. In general it was felt that major emphasis should be placed on the applicant's quality of performance. If there must be limitation on enrollment in certain colleges, schools, majors or curricula on any or all campuses, the University's best applicants should be given priority in assignment to the campus of their choice. The meeting was adjourned at 3 p.m.

I then went back to my office for a few minutes and then almost immediately back to the Chancellor's Conference Room to attend the meeting of the Academic Advisory Committee beginning at 3:15 p.m. Present for this meeting were: R. J. Bressler, C. W. Brown, L. Constance, W. E. Farnham, J. D. Hart, C. W. Jones, A. E. Hutson and A. C. Sherriffs.

I opened the discussion, calling on Ray Bressler to summarize the comments that we heard at the meeting of the CAAC today on the draft memorandum to President Kerr on policy on restriction on enrollment. The question of policy should be more strongly emphasized and the draft should raise the problem in general terms and be less explicit in its recommendations regarding factors which are of concern, such as criteria for allocation.

Next we discussed the five and ten year projected budget and personnel and space needs of organized research units. Brown described the difficulty, in the absence of an overall campus plan specifying aims as regards the balance between instructional and research functions, of formulating control standards in this area, which is summarized in a paper that he gave us entitled "Some Questions on the Role of Organized Research Institutes". The Committee decided to consider the procedural aspects of the problem with a view to securing a more adequate review of project proposals in regard to educational policy than seems currently to be the case. The meeting adjourned at 4:30 p.m.

As soon as members of the AAC left the Chancellor's Conference Room, the people attending the meeting of the Committee on Campus Planning came in. In addition to Bill Wurster and me (members of the Committee on Campus Planning), Jim Hart, C. W. Brown, L. A. DeMonte, N. H. Dyer and A. R. Wagner (the latter three of the Office of Architects and Engineers) were present.

Louis DeMonte brought to the Committee's attention the increasing demands for building sites in Strawberry Canyon and the Hill area--not only does the Radiation Laboratory want space near Grizzly Peak Boulevard but also numerous campus instructional and research units, such as Radioastronomy, Space Sciences Institute, the Photosynthesis Laboratory, Environmental Physiology, have expressed preference for future locations east of Gayley Road. The Committee suggested that I contact LRL Director Ed McMillan, requesting a statement of requirements for space essential to the future operation of the Laboratory.

DeMonte presented preliminary plans for Building 88 (which houses the 88-Inch High Current Cyclotron) to be located west of the Gatehouse to the Radiation Laboratory and we agreed, contingent upon concurrence by Regent Donald McLaughlin.

DeMonte and Wurster discussed the schematic drawings of the Environmental Design Building, to be located east of the existing cafeteria in the general area of the present parking lot, and expressed satisfaction with the site utilization and location of the building elements. They urged continued development of the total design along the lines of the schematic drawings.

DeMonte requested the appointment of an architect for the minor alterations to Cowell Memorial Hospital and the Committee recommended Robert Ratcliff be appointed Executive Architect for this work.

We also discussed the general problem of living groups (including fraternities) which will be displaced by construction that will follow the land acquisition for Engineering Unit #1, situated north of Hearst Avenue and west of LeRoy Avenue.

After the meeting of the CPC Anna Carol brought me a copy of the Oakland Tribune and I was pleased to see an article (copy attached) by Ed Schoenfeld under the headline "No Free Ride Plans for Cal". In this article he makes it clear that the ASUC Executive Committee in its action at the meeting last night made it plain that there will be no "free ride" for athletes at the University of California and that the University will stand solidly behind the articles of the new Big Four Conference, calling for student athletes to work at least 250 hours per year for tuition, room and board. The Schoenfeld article goes on to say that Frank Kidner (UC Faculty Athletic Representative) today hailed the student's move on aid.

OAKLAND TRIBUNE

February 25, 1959

'No Free Ride' Plans for Cal

By ED SCHOENFELD

The University of California, students and administration alike, wil lstand solidly behind articles of the new Big Four Conference calling for student athletes to work at least 250 hours a year for tuition, room and board.

There'll be no "free ride," the ASUC executive committee made it plain by its actions at a campus meeting last night.

At the same time the group gave its official blessings to the Big Four by approving the expenditure of $2,500 as the university's share in preliminary costs of organizing the new conference.

The ruling body of the student association passed a resolution urging the university to continue its present policies of administering aid to athletes.

The committee, as a result of its action, will ask the administration to continue the practice of the university's regular scholarship committee approving grants-in-aid for athletes and the ASUC conducting its own work program for athletes.

Reports this morning that the ASUC had approved a resolution which would grant aid to athletes without a work program (the so-called "free ride") were in error.

Dr. Frank L. Kidner, U.C. faculty athletic representative, today hailed the students' move on aid.

Kidner pointed out that U.C., in approving articles of the new conference, committed itself to the program calling for at least 250 work hours a year and fully intends to stand by the program.

Last week four nothern schools—Oregon, Oregon State, [illegible]

[illegible] **mend to the university administration. The policy was drafted by U.C. Student President Bill Stricklin and Rafer Johnson, his counterpart at UCLA.**

The students want the Board of Regents to detach itself from athletic policy and give the chancellors more power to act on their own campuses.

Among other things, they wants the state university not to schedule [illegible] grac- [illegible] elds, [illegible] lim-

When I arrived home, Helen told me that she attended a meeting this morning at the College Women's Club (on Bancroft just below College).

Thursday, February 26, 1959

I drove directly to the Radiation Laboratory to attend the regular Thursday morning Nuclear Chemistry group meeting.

After the meeting I read a letter from President H. J. Emeléus of The Chemical Society of England, informing me that the Council of The Chemical Society at its last meeting resolved to nominate me for election to the Honorary Fellowship of The Chemical Society. The formal election will be made by the Council later in the year after the proposal has been notified to the Fellows. I shall certainly want to accept this honor.

When I arrived in my Dwinelle Hall office, I read a letter from Ralph H. Brown (Speaker of the Assembly of the California legislature) in answer to my letter to him of January 22nd, saying that he has appointed the following ten assemblymen to represent the Assembly at my inauguration as Chancellor on March 20th: Bruce F. Allen, Carlos Bee (Speaker Pro-Tempore), Robert W. Crown, Lloyd Lowrey, Thomas J. MacBride, Don Mulford, Nicholas Petris, W. Byron Rumford, Jerome W. Waldie and Gordon Winton. He says that he will endeavor to attend the Charter Day banquet, if at all possible, and the Charter Day ceremonies. I immediately sent out letters to each of these ten, inviting them to attend the Charter Day ceremonies in the Greek Theatre on March 20th, as well as the other attendant functions and the traditional Charter Day banquet that evening in the Sheraton Palace Hotel in San Francisco.

I also read a letter from Hugh M. Burns (President Pro-tem of the Senate of the California legislature) expressing appreciation for my invitation to attend the Charter Day ceremonies and my inauguration as Chancellor and saying that the Rules Committee has appointed Senator John W. Holmdahl as chairman of a delegation of ten senators to represent the Senate and that he will select the members to attend and will get in touch with me.

I sent a letter to Bud Hastings (Executive Director of the ASUC) thanking him for his committee's financial report covering the period July 1, 1958 through December 31, 1958, which he sent me with a letter dated February 13th. I said that I have found it generally helpful and will have Bob Kerley and Errol Mauchlan react to some of the details. I added that I will appreciate receiving periodic reports of this kind.

I sent letters to President Edgar N. Carlson of Gustavus Adolphus College regretting his invitation to attend the groundbreaking ceremonies in connection with Mr. Atlee's visit to his campus on March 2nd; to Director Charles B. Wheelock (Institute of Marine Resources, La Jolla) regretting that it is not possible for me to make a definite commitment of space for his Institute of Marine Resources at Berkeley at this time but suggesting some possibilities for the future; to Frantisek Wolf (Mathematics) regretting that budget limitations have prevented us from meeting the promise of giving him some space relief (which was made to him by Clint Gilliam last June); and to Bill Libby at the AEC, expressing interest at receiving his letter of February 21st indicating his acceptance of a professorship in Chemistry at UCLA, and indicating that as an observer at the Regents Meeting in Riverside last week, I was in a position to see his appointment go through with flying colors.

I also wrote to William P. Rogers (Attorney General of the United States) asking for his support of an appeal of a ruling made by the Commissioner of Immigration denying the waiver of the requirement that Takashi Theodore Kadota (a candidate for the doctor of philosophy degree in Electrical Engineering at Berkeley) return to his country of origin for a two year period before requesting a change in status. I state that it seems to be in the best interest of the engineering and scientific community of the United States to at least permit Kadota to finish his studies toward the doctor of philosophy degree with us, which he expects to do by February 1960.

In a memorandum to Bill Wurster I inform him that the recommendation for promotion of George P. Simonis to Professor of Architecture has been reviewed by committees of the Academic Senate and administrative officers of the University and, while this recommendation is being supported at the campus level, I wish to bring to his attention certain reservations expressed by the reviewers.

Anna Carol and Bill Fretter gave me reports on a telephone call from Hardin Jones regarding the Warren Kaufman proposal for the tracing of groundwaters with tritium. Jones thinks that although the exposure to people would be less than one millirad, he has advised Kaufman to work on a lesser scale due to the opposition that has been voiced by people like Linus Pauling at Cal Tech and publicized in the newspapers in the south. Jones thinks an alternate approach would be possible in which natural tritium, already built in by nature, could be used. This, of course, would be much safer and would have to be acceptable from a public relations point of view.

I read a memorandum directed to Alex Sherriffs and me signed by Hurford Stone (Dean of Students), Katharine Towle (Associate Dean of Students and Dean of Women) and William Shepard (Associate Dean of Students and Dean of Men), with a carbon copy to Clark Kerr, recommending that I direct the Associated Students to cease publication of the California Pelican at once. This recommendation is made, they say, after examination of the February 1959 issue and after careful consideration in conference of the reasons for and implications of such action.

They point out that the February issue contains offensive jokes and an article on pages 14-15 entitled "A Modest Proposition" subtitled by editor's note, "Prostitution May Be an Ugly Word- May It Provide the Only Workable Solution?", which is authored by Dave Toll, a member of the publication's staff. The article (copy attached) recommends establishment of a brothel in Stephens Union under the direction of the ASUC Director of Activities through a special Vice President. The author states,

> "My plan will provide the co-ed with a chance to obtain an easy job one or two nights a week which will provide her with extra money and indeed be as beneficial to her as it is to the male."

On pages 16-17 "spicy" posed photographs are presented of "Marilyn" who is described as doing postgraduate work here in Political Science and "working in Sproul Hall" and they state that they are informed that she is the wife of Dave Toll, author of the article referred to above. I suspect that we will have to ask Stone to refer this to the Student Judicial Committee. I am not at all convinced that we should stop publication of the Pelican and I intend to talk to the editor of the Pelican at the luncheon for the ASUC Publications people today.

A Modest Proposition

Editor's note: *prostitution has become an "ugly" word. But it may provide the only workable solution . . .*

SINCE the successful launching of Sputnik I, educators have been looking askance at our educational system. Wild plans to improve it have been advanced and adopted in the panic of the moment, most of them foolish and unworkable. All of the great minds that have been applied to this admittedly serious problem have failed to reach the core of the matter.

Except me.

I have a solution that is workable. and has the added advantage of attracting people to the University who would ordinarily drop out of school before the college: It is my fond hope that the University will divert some of its funds from the attempt at hiring away Harvard's professors to the implementation of my plan, even on a trial basis. Having faith in my fellow students, I am sure that the results of this plan will speak for themselves.

As I see the time drawing near that I must leave the University (the draft, not graduation), a certain longing creeps over me. I can't catagorize it, really, but it's tied up with the idea of Alma Mater, football games and booze, in some way. I'm sort of a premature alum.

And as I look about the campus, I am filled with a yearning to contribute something to make this a better school in some way. You see.

Picture the situation as it exists at present. A sallow-faced, undernourished student shuffles to the library after his dinner of sardines and damp crackers. He sags into a chair in one of the cheery reading rooms. Absently he opens a thick textbook. He does not read. Instead he allows his mind to ramble caressingly over the charms of this or that lovely co-ed. Which one doesn't matter. They are all equally expensive to ensnare, all equally ready to impose themselves on the time that should be spent studying Geology I.

The student rouses himself from his reverie with a start. Glancing guiltily at the clock, he begins to read carefully from his book.

The material seems unfamiliar. Why not? Instead of going to class he had bought coffee for a sweet young thing on the pretext of looking over her notes. The notes were from another course, one which he had taken the semester before.

Finding himself unable to follow the text without the greatest difficulty, he decides to get a cup of coffee. That ought to straighten him out—and he might meet one of the girls he has been thinking about.

Off to coffee. He is disappointed to find that the customers of the coffee shop are all young men like himself. He takes a stool at the counter and orders a cup of coffee. He drinks it slowly, hoarding it. After every sip he glances furtively about—at the door, into the back booths, down the counter. All he sees are the equally furtive glances of the other students. A second cup of coffee is no more productive. He trudges back to the library and forces his way through the text.

He fails the quiz the next day.

A grim picture, you say? Yes, but a true one. Those of my readers who are students will account for its veracity, and those who are educators will vouch for the truth of the dire results of this misdirection of energies.

Let us now look at the same student on an enlightened campus.

He is well fed, almost plump. His face is ruddy, his teeth white. After a dinner of Roast Beef and Apple Pie, he whistles as he trots to the library.

His assignment takes up two or three hours of his time, and he leaves the library filled to the brim with the essential knowledge for tomorrow's quiz.

What made this laudable change?

Simply this: Before going to the library he stopped off at the campus BROTHEL, situated, let us say for the purpose of illustration, in the Stephens Union building (I choose this building arbitrarily—Dwinelle is more cleverly arranged for the purpose, but I suppose it would not be feasible to preempt space from even one of the weaker departments).

At the entrance he shows his reg card and his Student Brothel Card, which is punched (this could be purchased for a nominal fee, rather like the present athletic card).

The brothel is staffed by doctors and nurses from Cowell who make frequent checks to prevent the spread of contagious disease, and administrated by the ASUC under the direction of the ASUC Director of Activities through a special vice-president.

After presenting his cards, the student proceeds to the student waiting room. Here he is greeted by a pleasant nurse who makes a brief health check and stamps his hand with an indelible mark (I borrow this system from public swimming pools).

While he is waiting in the tastefully decorated room, he may glance through one of the latest periodicals placed there by the librarian of the main library and thus utilize even this time toward the improvement of his mind. (I had originally planned

to have this time spent in study, but in recent tests it has proven unfeasible. Light reading is all that could be expected. This does not mean trashy reading, though!)

When one of the girls is ready—an estimated seven to thirteen minutes after the student's arrival—he follows her to her room.

Leaving Stephens Union, the student is refreshed and invigorated. Even more important, his mind is freed from anxiety and he is no longer restless.

Even though the advantages of this plan will probably be obvious, let us tick them off.

1. The time that male students spend in the time-consuming, often unproductive search for feminine companionship may be devoted to hard study.

2. The money spent fruitlessly in this pursuit can be used for a more wholesome diet, bringing the advantages of good health and an alert mind.

3. Contagious social diseases can be controlled effectively by Cowell doctors and nurses.

4. The illegitimate birth rate on campus would drop drastically, for the compulsion to engage in affairs of the nature that produces them will be destroyed (except for the inevitable few purists).

5. The Buildings and Grounds upkeep expenses will drop, due to the reduced trampling of flower beds and underbrush in obscure parts of the campus.

6. The brothel will provide the departments of psychology, economics, sociology and the school of business administration with a perfect laboratory for controlled experiments.

These are the main points I have tried to accomplish. Other, quicker minds will no doubt supply more. But it cannot be denied that the plan will effectively solve a major educational problem facing the United States.

I cannot believe that even the most conservative of my readers have not been convinced by this time of the worth of my plan. I realise, though, that I have left myself open for criticism from those who might read this essay without care.

They will say "What you say is excellent—up to a point. But all the advantages you claim are for *male* students only. What about the poor coed? Is she to struggle under the same burdens as always?"

The answer is, of course, obvious. I have no desire to slight the coed. In fact I have thought deeply about her plight.

My plan will provide the coed with a chance to obtain an easy job one or two nights a week which will provide her with extra money and, indeed, be as beneficial to her as it is to the male.

Therefore, I call on all students at Berkeley to press the administration for consideration of this plan. Let Cal be the first to gain the reputation of Enlightened. Let there be Light!

—Dave Toll

"Mommy, Mommy," bawled the little girl, "Daddy just poisoned my little kitty."

"Don't cry, dear," replied the mother sympathetically. "Maybe he had to."

"No he didn't," screamed the heartbroken child. "He promised me I could."

•

"How did you puncture that tire?"

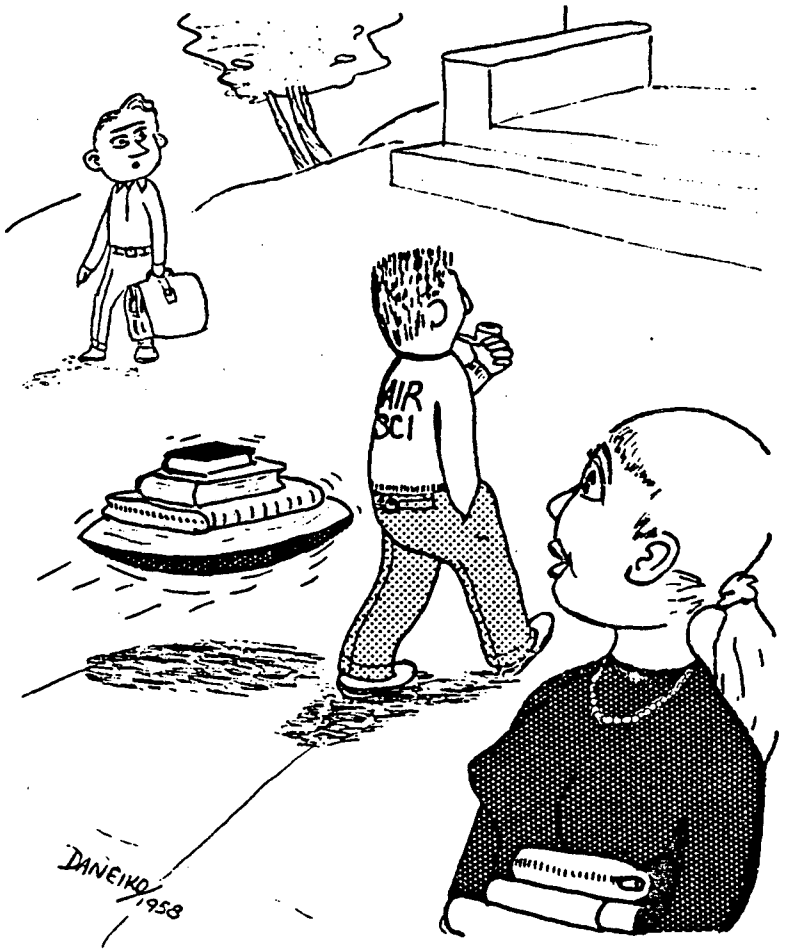
"Ran over a milk bottle?"

"Didn't you see it?"

"Naw, the kid had it under his coat."

•

Just what does Orval Faubus mean when he says: "Boys, let's go burn one."



At noon Helen and I hosted a luncheon for the ASUC Publications people in the Chancellor's Conference Room. Present were Shirley Brancato, Lynne DeRoy, Sally Edwards, Steve Hanna, Evelyn Hollingshead, Don Howard, Mr. and Mrs. Robert Irvine, Doug Ives, Mr. and Mrs. Bob Meadowcroft, Sue Meadows, Jim Packer, Jim Parish, Duncan Pierce, Michael Rossman, Mr. and Mrs. Lynn Seaman, Rover Seamon, Gene Turner, Diane Wakoski, Bill Whitney, Mr. and Mrs. Phil Griffin, Mr. and Mrs. Walter Frederick, Mr. and Mrs. Daniel Wilkes and Maynard Morris. It was a pleasant social occasion with plenty of lively conversation.

After the luncheon I spoke to Bob Irvine (editor of the Pelican) and told him firmly that the Pelican is in trouble and may have to suspend publication. I said that I shall explore the possibility of saving it but this will depend on having good issues of the magazine in the future.

I went back to my office for a while and then drove to International House to preside over a meeting of the Board of Directors. The Board requested that in accordance with the recommendation of the International House Board members of the Ad Hoc Committee I appoint the following people as members of the Business Relations Coordinating Committee between International House and the University: Robert F. Kerley (Acting Business Manager, Berkeley campus) as Chairman, Allen C. Blaisdell (Director of International House) as Secretary, Mrs. Mary Jane Sanford (Business Manager of International House) and Alex C. Sherriffs (Vice Chancellor for Student Affairs, Berkeley campus).

The Board also passed a resolution that the Board of Directors of International House accept the report of the International House Board members of the Ad Hoc Committee, that it be forwarded to the Chancellor, and that it now be considered as representing the point of view of the Board of Directors of International House.

In the evening in my study at home I read a number of papers from the Chancellor's Office. A memorandum from Errol Mauchlan summarizes the question of replacement for Anders Carlson in the Engineering Department of Mineral Technology; he has become incapacitated but will still be occupying an FTE. The Department of Mineral Technology has made a strong case for the appointment of Douglas Fuerstenau as Associate Professor III and the Budget Committee supports the proposal; apparently he is a very able man and would fill the need in a small and growing department to fill a gap in the important area of Beneficiation. However, they would need to find an additional FTE and I made the note that we follow the suggestion of Mauchlan that they use an FTE for one of their vacant positions or that we might otherwise promise to give them an FTE if the erroneous cut in our budget of last fall is restored.

A memorandum from P. B. Stewart (Secretary of the Berkeley Chapter of the AAUP) transmits a copy of the resolution adopted by the Chapter at the meeting Wednesday of last week, which urges that the University administration abstain from further participation in the National Defense Education Act program until the required disclaimer is withdrawn. In my response to this, I will say that the University administration will certainly want to give careful attention to this recommendation and will call attention to the good possibility that this disclaimer may be removed by legislation now under consideration in Washington.

A memorandum from Librarian Donald Coney speaks to the relative suitability of housing the Sutro Library in the Extension Division or in his Library Department. He reports that Director Engelbert of University Extension could

not handle the Sutro Library in San Francisco without money for staff and equipment and probably some remodelling and that he does not believe that this money will be available under present circumstances.

A letter from Lawrence G. Derthick (U.S. Commissioner of Education) informs me that it is the intent of the Office of Education to enter into a contract with our institution under the provisions of Title VB, NDEA, for the conduct of a short term Counseling and Guidance Training Institute during the summer of 1959 with funding in the maximum amount of $40,000.

Friday, February 27, 1959

When I arrived at my Dwinelle Hall office this morning, I found a note from Jim Hart in response to my report to him about my conversation with Catherine Hearst at the Regents Meeting on Thursday of last week, at which time I told her that Jim felt that he had been "jilted" and was "pining away while waiting to hear from her". Jim's note reads "You are better in these affairs than that fellow John Alden--thanks." I appended a note in return: "I doubt it."

Anna Carol passed on a message from Hardin Jones, who has not been able to reach AEC Commissioner Libby; he had an appointment to talk with him by phone this morning between 5:30 a.m. and 6:30 a.m. but Libby was called to Congress to testify on "fallout". Hardin talked with Calvin Potts, Libby's associate, who told him that the natural tritium method would probably be preferable, as Hardin had suspected, although it would double the cost. He hopes to talk with Libby later today. I asked her to pass on through Bill Fretter the following message to Hardin to pass on to Libby: that I am interested not only or mainly in which method is better but in how much Libby thinks the experiment will foul things up for the future.

I read a letter from Allen Blaisdell (Director of International House) reminding me that at the meeting of the Board yesterday, I was requested to appoint members of a Business Relations Coordinating Committee and that the Board accepted the report of the International House Board members of the Ad Hoc Committee as representing the point of view of the Board of Directors.

I also read a memo from Bob Kerley (Acting Business Manager) detailing cutbacks that might be made in the construction of the Student Union and the Cafeteria in order to bring the cost in line with the amount of funds that we now have or clearly have been pledged in the fund drive.

I received a memorandum from Margaret Zeff and John Moore of Cowell Memorial Hospital, suggesting that there be a groundbreaking ceremony for the Cowell Hospital addition and today I sent them a memo saying that I am referring this to Garff Wilson, and then a memo to Garff suggesting that he proceed with the necessary arrangements.

I wrote Education Commissioner Derthick saying that I am pleased to received his letter of February 19th with its information that the Office of Health, Education and Welfare intends to enter into a contract with the Berkeley campus for a Counseling and Guidance Training Institute for the summer of 1959, that we shall be glad to proceed with the establishment of this institute, and that I have authorized Douglas Chrétien (Campus Coordinator for the NDEA) to deal directly with Dr. Bedell of his office to work out the arrangements for the institute.

I wrote to Charles Smith (Dean of Public Health) saying that I regret to inform him that I am unable to recommend merit increases for Professors Margaret I. Beattie and Edith M. Lindsay in the 1959-60 Personnel Roster, on the basis that a committee review concludes that merit increases are not warranted at this time.

A letter from Bud Hastings requests me to ask Jim Corley to seek an amendment to Section 202.5 of the Revenue and Taxation Code on the grounds that the ASUC store operates as a nonprofit institution. He has learned from James Miller (Assistant Vice President-Business Affairs) that the Finance Committee of the Regents voted on March 15, 1957 to take no action by way of amendment on the grounds that "the University's student stores are operated for a profit", which statement he feels is not applicable to the Berkeley ASUC store.

I called Clark Kerr to ask him about his views on the physical location of the Foreign Student Advisor and he said he had agreed, when he was Chancellor, and with the concurrence of all three University committees concerned, and he still agrees, that he should be in the Dean of Students Office. Clark agreed to be quoted on this.

As a followup to his meeting with me on Wednesday, I called Ken Pitzer to ask him to send in his proposal on the Inorganic Materials Laboratory as soon as possible because it has to go through the Academic Senate Committee on Educational Policy and the President and the Regents before we can go to the AEC to ask for funds. He said that they are sending a preliminary proposal to the AEC and I said that this is okay.

At 10:30 a.m. General William Bell (Vice Commandant of the Air Force ROTC) paid me a courtesy call.

Immediately thereafter I had an appointment with Ray Ginger of the Henry Holt Publishing Company. He told me that the Holt Company is going to launch a new magazine which they think will be more popular than Scientific American. For the first issue they would like an article from me based on two of the chapters from Elements of the Universe. The two chapters which interest him are titled "What is an Element?" and "The Race for Seventeen Atoms." He would attempt to adapt it and would submit it to me for review. He would also get the necessary permission from the Dutton Company. I gave him my okay and suggested that he approach Eileen Carson of the Radiation Laboratory as a contact for the illustrations.

At 10:50 a.m. Wesley Daly, a Berkeley student taking a course in leadership at the Charles Simmons Institute for Human Relations, came in to interview me. He asked four questions:

1) How did I happen to become Chancellor? I told him that I got acquainted with President Kerr when he was Chancellor Kerr in my role as Faculty Athletic Representative for the Berkeley campus and he subsequently persuaded me to become Chancellor.

2) He asked me what had been the biggest boost to get me started on my career. I said a) my high school chemistry and physics teacher, b) my undergraduate work at UCLA, and c) my fortunate decision to come to Berkeley to pursue my scientific work.

3) What was the biggest disappointment in my life? I couldn't remember anything that stood out.

4) What would be my advice to a class in leadership? Work hard!

At 11 a.m. I had an appointment with Robert E. K. Rourke (Head of the Department of Mathematics at Kent School in Kent, Connecticut). He told me that they are going to have a conference on secondary schools in Kent March 27- April 1, 1960, to be attended by 250 secondary school teachers, public and private, from all over the United States. He has read Elements of the Universe and he would like me to come for one day to speak. They have already arranged for Sir Herbert Butterfield from England to talk on an historical topic, and Marshall Stone to talk on some aspect of mathematics to be on the program. They would need my talk to be written up so that it could be published in a book by the Yale Press. He will write me about this and then I will let him know.

At 11:30 a.m. Professor Harold Olcott (Institute for Marine Resources under Wheelock) came in. He is dissatisfied here because of lack of space for his work and came to see me at Wheelock's insistence. He is being considered to replace Emil Mrak in his present position at Davis when Emil Mrak steps up to be Chancellor and may leave us if there is no solution to his space problems. Wheelock wants him to stay here and proposes to see me in the course of a meeting he is attending here in Berkeley on March 10th. I told Olcott that I would look into the space problem.

I read the minutes of the joint meeting of the Liaison Committee of the City of Berkeley with the Liaison Subcommittee of the Committee on Buildings and Campus Development. It was held in the Durant Hotel two weeks ago Wednesday. The meeting covered such items as traffic improvements for the central Berkeley area, the Sather Gate merchants parking lot relocation, our Newman Hall relocation, Piedmont Avenue improvements, additional access road to Panoramic Hill--all items of joint interest to the Berkeley campus and the City of Berkeley.

This was preparatory to my hosting a luncheon at the Faculty Club of a group of University, Berkeley and Oakland city and county officials to discuss the need for an access road from Hillside Avenue to the head of Dwight Way. (This meeting is the result of a letter from Alameda County Supervisor Kent D. Pursel, who represents District 4 which includes this part of Berkeley.) Present were: Mrs. A. T. Morse (Planning Commissioner), Mr. F. Hutchinson (City Attorney), Mr. J. A. Barnes (Director of Planning), Mr. R. E. Oakes (Assistant Traffic Engineer in the Department of Public Works), Mr. V. D. Kennedy and from the campus, Bob Kerley, A. R. Wagner, N. H. Dyer, Dick Jennings, Milt Chernin, Louis DeMonte, Gordon Hearn and me.

When I returned to my office, I was told that an anonymous person has phoned in a tip that three dynamite bombs have been planted at Sproul Hall. Under such circumstances it is the Chancellor's responsibility to decide whether the building should be evacuated. I decided that Sproul Hall should not be evacuated and that the usual procedure of search for alleged bombs be made and asked that the information be passed on to Bob Kerley. Fortunately nothing happened and nothing was found so I lucked out and made the proper decision in this case.

At 4:35 p.m. I had an appointment with Dyke Brown (Ford Foundation). He reminded me that I had met him before when he worked as Ex-Regent Jack Neylan's assistant. He mentioned the legislative intern program and the rotating professorship in our Political Science Department (now held by Alan Barth, a Washington Post editorial writer here on leave of absence from the Post), both of which the Ford Foundation supports. In the course of the conversation, I mentioned my concern about the need for support for our proposed Social Sciences and Humanities Institute, but he was apparently not able to offer any help in this regard.

In the evening Helen and I went to the Fairmont Hotel, invited by Sonya Schulz, to attend the dance sponsored by the Panhellenic Association, where we spent a very enjoyable evening with the young people. Helen and I enjoy ballroom dancing very much.

Saturday, February 28, 1959

At 10:25 a.m. I received a call at home from Congressman Craig Hosmer in Washington, a member of the Joint Congressional Committee on Atomic Energy (JCAE). He wanted to discuss the $2 million addition to the Physics Building at the Radiation Laboratory, saying that he is worried that he may not get the total amount into the AEC authorization bill. He wanted me to give a breakdown in order of priority in case he can only get $0.5 million or $1 million. I suggested 1) office space, 2) computer space, 3) laboratory space, and 4) film development space.

Hardin Jones called me at home at 11:30 a.m. to say that he succeeded in reaching Bill Libby this morning. He said that Libby is undecided as to the best course of action for the tritium tracer project and said that he is willing to see Warren Kaufman in Washington to discuss it. I immediately called Kaufman to tell him that Libby is willing to see him in Washington. Kaufman said that he will go immediately, try to be there on Monday and will call Libby immediately to make arrangements. I told him that I have been warned about the possibility of his experiment fouling up the area to the detriment of future experimentation.

Yesterday I gave Allen Solomonow, a student, a paragraph of greetings from me to delegates of the Bay Area College Model United Nations that is meeting at the University today. These greetings extended best wishes, said the session will provide valuable experience in preparation for the April meeting of the Pacific Coast Model United Nations to be held at the University of Southern California, and that we at Berkeley are looking forward to the Tenth Commemorative Session of this body, which will convene on our campus in 1960.

Among the papers I brought home to read was one from Kerr addressed to chief campus officers, saying that effective immediately, chief campus officers are authorized to approve the payment of travel expenses of appointees to "visiting" titles when circumstances require it and whether or not a permanent appointment is a prospect. This should be very helpful to us.

I read a memorandum from C. W. Brown saying that he recently gave Garff Wilson a list of new buildings in order that Garff can work out some method of financing public opening ceremonies in a regularized way.

I also read a memorandum from Garff Wilson, listing the program as it now stands for the Charter-Inauguration Day on March 20th. I am glad to finally see the listing of an honorary degree to be conferred on Edward Tolman; it certainly took a lot of work to get this arranged.

I drove to the campus to watch the basketball game between the Bears and Washington State University at Harmon Gym, which the Bears won, 65-45.

Sunday, March 1, 1959

After reading the morning papers, I called Ed McMillan at his home to tell him about Congressman Craig Hosmer's call yesterday, requesting information about the proposed addition to the Physics Building in the Radiation Laboratory. Ed, after expressing surprise that Hosmer knew about the Physics Building addition, said that he will send an airmail letter to Hosmer tomorrow with the requested information.

At 11:50 a.m. I called Greg Engelhard at his home. He told me that the University of Washington's George Briggs has told him that President Charles Odegard may contact Clark Kerr or me to complain about the way that the athletic aid program is shaping up in our new conference. They want to eliminate the requirement for 450 hours per year of work; in other words, they want a "free ride" provision. He told me that the ticket managers of the AAWU plus Stanford met last Thursday to work out new arrangements. He said W. H. Davis (our ticket manager) got the impression that Stanford is moving toward affiliation with the AAWU and perhaps will make the move before next July. He told me that their meeting with the representatives of the Big Ten next week to consider whether they want to continue with the arrangement for the Rose Bowl will be touch and go and there will be a meeting of the AAWU athletic directors in Los Angeles next week to discuss scheduling.

In the afternoon I played nine holes of golf at the Contra Costa Country Club with Dan Wilkes, Art Renne and John Freshwater. Our scores were as follows: Dan (38), Art (39), John Freshwater (42) and my game was a bit off today (50).

Monday, March 2, 1959

I drove directly to the Radiation Laboratory to attend a classified review meeting on high flux reactors. Present were: from Argonne National Laboratory- Paul K. Fields, Charles Kelber, Leonard Link, W. M. Manning, George R. Ringo and Arthur Shucks; from Brookhaven National Laboratory- Herbert J. C. Kouts and Louis G. Stang, Jr.; from Hanford Atomic Products- Lamar P. Bupp, Paul G. Holsted and Oswald J. Wick; from Idaho Falls, Phillips Petroleum- Robert P. Johns and William L. Ginkel; from Lawrence Radiation Laboratory- Albert Ghiorso, Earl K. Hyde, I. Perlman, J. Rasmussen, S. G. Thompson, Rosemary Barrett, B. B. Cunningham, Nels Garden, T. C. Parsons, James C. Wallmann, and me; from Livermore- R. W. Hoff, A. J. Kirschbaum and Kenneth Street, Jr.; from Los Alamos- Charles I. Browne and Robert A. Penneman; from Oak Ridge- A. Chetham-Strode, R. D. Cheverton, T. E. Cole, Donald E. Ferguson, J. A. Lane, Jack Vanderryn and Alvin Weinberg; from the Office of Advanced Planning in Albuquerque- Edward C. Stewart; from the San Francisco Operations Office of AEC- Justin Bloom; from Savannah River- Frank E. Driggers, Victor Montenoyhl and Robert W. Ramsey, Jr.; from AEC Washington- F. P. Baranowski, A. S. Friedman, Ray Jones, and John H. Williams.

The meeting was held in the Conference Room of Building 70 and was called by John Williams of the Washington AEC. This is a follow-up to my initiative and urging that a high flux reactor be built, probably at Oak Ridge, and I was heartened by the degree of support for this expressed by those attending the meeting.

I went by my Rad Lab office (now Perlman's) and signed a letter to Rix Snyder (Director of Admissions at Stanford University) prepared by Eileen Carson, recommending Susan M. Cunningham, Burris' daughter, for admission to Stanford.

I had lunch in the Radiation Laboratory cafeteria with Alvin Weinberg (Oak Ridge), Iz Perlman, Winston Manning (Argonne), and Abe Friedman (Washington AEC). We concluded that Weinberg will send in a proposal to John Williams to build the High Flux Isotope Reactor (HFIR) that was discussed at our meeting this morning at Oak Ridge, and that I will write either John McCone (Chairman of the AEC) or work through the Joint Committee on Atomic Energy if Friedman tells me that he thinks this is necessary some time in the future.

After lunch I talked with Al Chetham-Strode who said that the $14 million worth of heavy isotope facilities planned for Oak Ridge will require as many as three or four inorganic and nuclear chemists to be added in each of the next few years and he wants recommendations from us.

Ken Pitzer called me while I was still at the Rad Lab, at 1:50 p.m., to give me an oral report on the deliberations of the Selection Committee for the Dean of the College of Engineering, on which he serves as Chairman. He said that they have narrowed the choice down to two candidates, John Whinnery (College of Engineering here) and William G. Shepherd (Electrical Engineering Department at the University of Minnesota). He said that Al Nier and Bryce Crawford of the University of Minnesota recommend Shepherd very highly. I asked him also to check out Earl Parker with the Committee and he will poll the members. He wants to know if I want a preliminary written report now and I said that I'll let him know.

After I arrived at my Chancellor's Office in Dwinelle Hall I signed a letter to Harry Wellman, summarizing the reactions of 12 campus departments to the ICA proposed rotation program for University faculty members. In this memorandum I state that the report submitted indicates agreement that the two year assignments and a rotational period of ten years both are impracticable and that it is desirable to have the University explore arrangements with ICA providing for more flexibility.

At 2:30 p.m. I called Leroy Bromley (Chemistry) urging him to accept the invitation from Kerr to speak at the next Regents Meeting, describing his salt water conversion process, and he agreed to accept.

Kitty told me that Gloria Copeland called today, saying that Wellman has spoken to her about calling Berkeley's California Hall "Old California Hall", even temporarily, expressing the objection that there would be confusion now that the Statewide Building is going to be called "California Hall". He suggested names such as "Baldwin Woods Hall" or "Walter Hart Hall". (Hart was a former English professor.) She has passed this information on to C. W. Brown, who will reluctantly try to get the Names Committee going on it. Kitty suggested that maybe it should be named after some Regent and I noted that this might be appropriate.

From 3:15 p.m. until 4:15 p.m. I held my Open Student Office Hour, together with Alex Sherriffs. Howard Blatner gave me some artwork creations of his and told me that I am working too hard. He also urged that Sherriffs and I do something to try to encourage more students to take advantage of our Drama, Lectures and Music (DLM) program.

Bob Miaillovich complained that the Intercollegiate Athletic Advisory Board (IAAB) meets in closed session in violation of the ASUC constitution; I promised to look into it.

Marshall Blann, one of my graduate students, dropped in, mainly as a lark, I think, to indicate that he is having trouble seeing me.

Grove Thomas and Irwin Warsaw also dropped in to talk with us.

At 4:15 p.m. Al Ghiorso brought Paul Fields around to see me. Paul is here to attend the classified review meetings on the High Flux Reactor and the Heavy Element Production Program. We tried to convince him to have his colleagues at the Institute of Physics in Stockholm not claim the discovery of Element 102 in their forthcoming publication, due to the flaws in their work. As a result of our discussion, Paul sent from my office to Hugo Atterling (Nobel Institute of Physics in Stockholm) the following wire:

> "I have been going over some of the Berkeley results with Ghiorso and Seaborg. I think we should hold up our paper until we can discuss the addition of another paragraph."

Included among the papers that I read in my study after dinner tonight was a memorandum from David Z. Beckler (Executive Officer of the President's Science Advisory Committee) enclosing the agenda for the next meeting of the Committee to be held March 16th and 17th in the Executive Office Building in Washington, D.C.; unfortunately, my schedule will not permit me to attend this meeting.

Other memoranda included one from Dan Wilkes, advising on the public relations aspects of Kaufman's tritium tracer project proposed for Los Angeles, another from Charles Jelavich (Center for Slavic Studies) enclosing a draft letter he wants me to send to university and college presidents describing the Faculty-Teacher Training Program in Slavic Studies being sponsored by his Center, and another from Bill Fretter enclosing the latest version of the elementary school science program proposal for Orinda schools to go to the National Science Foundation under the auspices of Leo Brewer, Everett Dempster and Bob Karplus.

Tuesday, March 3, 1959

As soon as I arrived in my Chancellor's Office this morning, I received a call from Ed McMillan, expressing curiosity as to the origin of Congressman Craig Hosmer's renewed interest in providing for the funding of the addition to the Physics Building at the Radiation Laboratory. I said this may have been due to my conversation with him and Mrs. Hosmer in Geneva last September, at the time of the Conference on the Peaceful Uses of Atomic Energy. Ed said that he will send a letter referring to me and pointing out the changed location and functions of the building.

I signed a number of letters and memoranda. I wrote to Clark Kerr, enclosing a memorandum dated February 9th from Ray Sontag (Chairman of the Committee on Regents Professorships and Lectureships). This recommends the following for appointment for the year 1959-60: as Regents Professor (for a semester) of Business Administration, Sinclair Weeks; as Regents Lecturer (for a period of one month) in English and Librarianship, C. W. Barrett; as Regents Lecturer in Engineering, General James Doolittle; and as Regents Lecturer in Engineering, Vannevar Bush. I said that I endorse these recommendations.

Another memorandum to Kerr enclosed the resolution adopted by the Berkeley Chapter of the American Association of University Professors on the disclaimer provision in the National Defense Education Act.

I also acknowledged the receipt of the resolution adopted by the Berkeley Chapter in a memorandum to Paul B. Stewart and stated that the University administration will certainly want to give careful attention to this recommendation. I added that there is a good possibility that the disclaimer will be removed from the National Defense Education Act of 1958 by legislation now under consideration in Washington.

I wrote to Ellis Groff (Budget Officer) in reply to his memorandum of February 16th, saying that it has been determined from the deans and department chairmen concerned that none of the persons listed in his memorandum (Murray R. Benedict, Willard E. Farnham, Hope M. Gladding, Hans H. Hansen, Norman W. E. Hinds, George C. Kyte, Carl Landauer, Leonard B. Loeb, Royal A. Roberts, Sherwood W. Shear and Hurford E. Stone) is expected to be recommended for post-retirement service, with the possible exception of Murray Benedict and Hope M. Gladding.

I wrote to Warren L. Bostick (Professor of Pathology of the Medical Center in San Francisco) expressing regret over the incident described in his letter to me of February 16th, in which he claimed that he was given discourteous treatment in the form of a parking citation proferred by the Berkeley Campus Police Department.

I also wrote to Seymour J. Shifrin (Music) expressing pleasure at his selection to receive one of the two grants-in-aid in music for 1959 of the Creative Arts Awards Commission of Brandeis University.

I wrote to Garff Wilson to approve his suggested program for Charter-Inauguration Day, which he sent over on Friday, with the exception that at the ceremonies in the Greek Theatre, it is my understanding that Charles Malik will present greetings "from the world" to the Chancellor, and at more length than the other six greetings, but no longer than ten minutes.

I wrote Thomas Blaisdell, thanking him for his recommendation of February 5th and the very thorough report on the recent visits of the groups of Russians.

Anna Carol wrote to Dr. Henry L. Jaffe (Cedars of Lebanon Hospital in Los Angeles) regretting his invitation to me to speak at the annual meeting of the Society of Nuclear Medicine, which he serves as President, to be held June 19th in Chicago. Dr. Jaffe is the physician who treated my mother with radioactive I^{131} to alleviate a thyroid condition.

I received a telegram from AEC Commissioner Bill Libby endorsing the Kaufman plan to use radioactive tritium to study groundwater in the Los Angeles area.

At 11:10 a.m. I called Ed McMillan who told me that he got the letter off to Craig Hosmer today and that he also phoned him to alert him.

I raised the question of whether Don Cooksey might head up the Ernest O. Lawrence Memorial after his retirement this coming July 1st and he agreed. Ed told me that Melvin Calvin has seen him about the shortage of space for him in the Life Sciences Building, which has become a critical matter and Melvin will come to see me about this.

Beginning at noon in the Chancellor's Conference Room, I presided over a meeting of my Cabinet, attended by Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes.

We discussed the current policy on late registration for students and agreed that there should be no change. Fretter will draft a memorandum to Clark Kerr, giving the high points and implications of Kaufman's proposal for tracing groundwater in Southern California. This will suggest, as proposed by Wilkes, that there should be a press conference held by the Los Angeles County authorities ahead of time and approval to proceed should be contingent upon collecting the samples suggested by Libby in his telegram to me this morning.

The draft policy statement on student government was discussed and it was agreed that Alex will get opinions from five or six student leaders and that we will discuss it at the AAC meeting next Tuesday and that Strong will call Tom Cunningham about introducing the subject at the meeting of the Committee on University Policy on Intercollegiate Athletics to be held in Los Angeles next Monday. We hope to have this memorandum ready to go to Kerr on Wednesday of next week.

We also discussed Kerr's memorandum on "Equivalent Ranks in the University System" and decided that Fretter will draft a reply to Kerr, saying that the policy will be discussed by the Budget Committee, the AAC, the CAAC and the McMillan Ad Hoc Committee.

We noted that there is no mention of the Language Laboratory in the tentative budget for 1960-61 and we decided that we may write Kerr on this urgent item.

Alex requested suggestions for use in his appearance before the legislative committee to combat Alan Post's proposal to raise student fees. He also announced that the ASUC Executive Committee will vote tonight on the proposal concerning the oath in the student loan title part of the NDEA.

At 2 p.m. I met in my office with Harry Newburn (consultant to the Ford Foundation) who is interviewing faculty members regarding University policy on faculty personnel. I reviewed the general setup here, describing the chain of recommendations for salary increases, promotions and so forth, involving department chairmen, deans, heads of University committees, the Budget Committee, and said that in cases of disagreement, I make the best judgement I can and that perhaps more often that not, I follow the recommendations of the Budget Committee.

At 2:30 p.m. I met with Jacqueline de La Harpe (French). She has been with the University 32 years and will retire in a year or so. She is concerned about the problem of an overworked faculty, due to the number of committee assignments and other duties, combined with the need to produce research, which places faculty members in an untenable position and will lead the University to pay the price in the future by a decrease in quality of faculty. She described for me a number of examples and suggested that more secretarial help and "professional" help is needed. I mentioned our budget limitations, told her that a number of people have called this problem to my attention, and that I will do my best to alleviate it.

From 3 p.m. until 4 p.m. I had my weekly conference in my office with Lincoln Constance. He brought Professor Fred Cagle of Tulane University along for the

beginning of our conference. Cagle is spending this academic year visiting institutions to see what problems other colleges and universities have found in maintaining disciplinary and budgetary balance under the impact of research support for science and we discussed some of the problems encountered on this campus.

After Cagle left Constance and I agreed that the effect of government support on the physical sciences themselves is beneficial (there is no governmental interference) but that it has led to an imbalance between the physical sciences and the humanities and social sciences.

He told me that Madison Beeler (German), present editor of the journal Names, is unable to continue with the editorship beyond the year 1959-60. Since it is desirable to keep this editorship on the Berkeley campus, I agreed that we should meet the requested $622 from the contingency fund to relieve George Stewart (English) of part of his duties for replacement by a lecturer who might take over a section of Freshman English from him (in order that he might serve as editor). Stewart expects to retire at the end of the academic year 1961-62.

Constance referred to me the appeal by Jacobus ten Broek for resolution by the Campus Personnel Office, for 1) authorization of an administrative assistant for the department, and 2) reclassification of Mrs. Eleanor McGuffey (secretary-stenographer in the Speech Department).

He told me that Howard Schachman of the Department of Biochemistry has asked for authorization for Wendell Stanley to announce the formation of our new Department of Virology and I said that I will arrange for this to be implemented by Kitty Malloy.

Constance brought up again from our last week's discussion the question of limiting enrollment in English 1A-B and finding ways to divert students more equally into English 1A-B and Speech 1A-B; I expressed reluctance to take the step of forcing people to take Speech who want to take English.

We examined the results of the chairmanship preference poll in the Department of Classics and agreed that Murray Emeneau should be appointed.

We discussed Henry Nash Smith's (Chairman of the Department of English) request to hold the Beckman Lecture in alternate years rather than in two out of three years, in order to make it possible to increase the stipend and I indicated approval pending comment from Jim Hart.

I approved the request by Joseph Kerman (Acting Chairman of the Department of Music) for $2,756.64 in supplementary operating funds in order to implement the proposed staff plans for 1959-60.

At 4 p.m. I had an appointment with Reinhard Bendix (Sociology and Social Institutions).

At 4:30 p.m. I had an appointment with Ed Teller to discuss the problems in the Department of Nuclear Engineering. He said that the situation is growing worse and perhaps we will need to do something before a new dean of the College of Engineering is chosen. We went over a list of possible chairmen-Pigford, Adler and McCullough. He said that the first two have apparently been offered the position by Mike O'Brien but not at a sufficiently high level

and I, therefore, said that I would talk to Lawrence Grossman about it. Immediately after the meeting, I asked Anna Carol to call and set up an appointment with Grossman for next Monday afternoon. I may try to get him to agree to a committee--perhaps consisting of Teller, Pitzer, Parker and Whinnery--to help guide the Department pending our finding a chairman.

During the evening, after dinner in my study, I read a welcome memorandum from Clark Kerr, saying that in response to the description of the need for a Space Sciences Laboratory prepared by Dan Wilkes, he would like to present this to an early meeting of the Committee on Educational Policy of the Regents. Unfortunately, we have a problem with the Academic Senate Educational Policy Committee, which is sending both the reports from the Northern and Southern sections to President Kerr with the recommendation that he appoint a special committee to study, coordinate and recommend action on this. This may make it impossible to get the matter before the Board of Regents as early as the March meeting.

I noted a memorandum from C. W. Brown (Acting Chairman of the BCD Committee) to Kenneth B. Stoddard (Dean of the School of Optometry) telling him the firm estimate of the cost for the animal research quarters in the basement of the Optometry Building is $19,500 and that I recommend that he prepare a request for a minor capital improvement to be submitted to the Space Needs Priority Subcommittee of the BCD for consideration next fall, showing justification in terms of enrollment figures, courses, expansion needed and so forth.

A memorandum from Ken Pitzer tells me that Dick Powell will be Acting Dean of the College of Chemistry during Ken's absence from Berkeley March 9th-18th, when he will be attending a meeting of the General Advisory Committee of the AEC in Savannah River, Georgia, and a meeting of a subcommittee of that group in Los Alamos.

Wednesday, March 4, 1959- Washington, D.C.

I was picked up by a University driver at my Lafayette home at 7:30 a.m. this morning and driven to the San Francisco Airport. I boarded United Airlines Flight #704, which left at about 9 a.m. and arrived at the National Airport in Washington, D.C. at about 7:30 p.m. I then took a taxi to the Statler Hilton Hotel (16th and K Streets), N.W. where I am staying during this visit to Washington.

Thursday, March 5, 1959- Washington, D.C.

I took a taxi to the North Building of the Department of Health, Education and Welfare, where, beginning at 9:30 a.m., I attended a meeting of the Advisory Committee to Title VII of NDEA in Room 4247 at the Office of Education. We met to develop criteria and then choose the acceptable proposals out of a total of 192 applications.

During the course of the day I spoke to Commissioner Derthick and Roy Hall about the need to change the governmental attitude on overhead and as a result of this, a resolution was passed by the Advisory Committee, modifying the Committee's stand and making the payment of overhead the policy to be followed.

I also spoke to Derthick about the strong and urgent need to review the loyalty oath provision of NDEA. He agreed but hopes that we will continue to participate, pending adoption of the Kennedy bill which would repeal this provision and which he thinks has a good chance of passing.

I also talked to Leland Hazard and suggested that his Subcommittee for the Development of Criteria for Acceptable Proposals be careful not to place too much emphasis on educational methods as opposed to subject matter.

At the end of the meeting I took a taxi to the Executive Office Building, where I met with Dave Beckler (Executive Officer of the President's Science Advisory Committee) along with Robert Briber, one of his assistants. Beckler briefed me on the Science Advisory Committee's operations and on the operations of the numerous panels on special subjects. He told me that at the next meeting the PSAC will discuss the Argus Report prepared by Bradley, the Oceanographic Report prepared by Harrison Brown, materials research in the United States, the matter of participation for Pugwash Conferences, possible visits to the USSR by members of PSAC and early warning systems. He also gave me a list of members and consultants of PSAC as of March 2, 1959 and a list of the members and consultants as of later this year (attached), when James Killian will be replaced as Chairman by George Kistiakowsky and on which list the members whose terms are expiring are indicated.

Friday, March 6, 1959- Washington, D.C. and Home

I again took a taxi to the North Building of the Department of Health, Education and Welfare, where in Room 4247 of the Office of Education, I attended the continuing meeting of the Advisory Committee to Title VII of NDEA. We continued discussion of the 192 applications and made the choices for the proposals which are acceptable for funding. Unfortunately, the proposals from the Berkeley campus did not meet with approval. The high ratings went to anything that trained teachers and on critical subjects, such as those concerned with Russia, arithmetic, etc.

I called my office from the HEW building and was brought up to date by Kitty Malloy about a number of things. I indicated in the call that I have decided to disapproved the Kaufman proposal for the use of tritium tracers in his Southern California groundwater project.

My flight home to San Francisco, TWA Flight #50, left at about 3 p.m. and arrived at San Francisco at about 9:45 p.m. Here I was met by a University driver and a packet of papers from my office and was driven home to Lafayette.

Helen told me that she attended a luncheon at Mrs. Sproul's home (31 Tamalpais Road, Berkeley) and then a college tea in the afternoon.

Saturday, March 7, 1959

During the morning at home I noted in my package from the office a number of memoranda and letters that went out over my name during my absence.

On March 4th a memorandum went to Clark Kerr confirming the agreement made by telephone with his office that the cost of the meeting of the International Astronomical Union to be held on the Berkeley campus in September 1961 will be

3/2/59

PRESIDENT'S SCIENCE ADVISORY COMMITTEE

MEMBERS AND CONSULTANTS

GTS - XI US PSAC GEN
MEMBERSHIP

Chairman Dr. James R. Killian, Jr.
Special Assistant to the President
for Science and Technology
The White House
Washington 25, D. C.

Dr. Robert F. Bacher
Professor of Physics
California Institute of Technology
Pasadena 4, California

Dr. William O. Baker
Vice President (Research)
Bell Telephone Laboratories
Murray Hill, New Jersey

Dr. John Bardeen
Professor of Electrical Engineering and Physics
University of Illinois
Urbana, Illinois

Dr. Hans A. Bethe
Professor of Physics
Cornell University
Ithaca, New York

Mailing Address:
P. O. Box 451
Ithaca, New York

Dr. Detlev W. Bronk
President
The Rockefeller Institute
66th Street and York Avenue
New York 21, New York

Dr. Britton Chance
Director, Johnson Foundation (Biophysics)
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania

Dr. James B. Fisk
President
Bell Telephone Laboratories
Murray Hill, New Jersey

Dr. George B. Kistiakowsky
Professor of Chemistry
Harvard University
Cambridge 38, Massachusetts

Dr. Edwin H. Land
President
Polaroid Corporation
730 Main Street
Cambridge 39, Massachusetts

Dr. Emanuel R. Piore
Director of Research
International Business Machines Corporation
590 Madison Avenue
New York 22, New York

Dr. Edward M. Purcell
Professor of Physics
Harvard University
Cambridge 38, Massachusetts

Dr. Isidor I. Rabi
Professor of Physics
Columbia University
New York 27, New York

Dr. H. P. Robertson
Professor of Physics
California Institute of Technology
Pasadena 4, California

Dr. Glenn T. Seaborg
Chancellor
University of California
Berkeley, California

Dr. Cyril S. Smith
Institute for the Study of Metals
The University of Chicago
5640 Ellis Avenue
Chicago 37, Illinois

Dr. Paul A. Weiss
Member and Professor
The Rockefeller Institute
66th Street and York Avenue
New York 21, New York

Dr. Jerome B. Wiesner
Director
Research Laboratory of Electronics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Consultants

Dr. Wallace R. Brode
The Science Adviser
Department of State
Washington 25, D. C.

Dr. Hugh L. Dryden
Deputy Administrator
National Aeronautics and Space Administration
1520 H Street, N. W.
Washington 25, D. C.

Dr. Albert G. Hill
Vice President
Institute for Defense Analyses
1707 H Street, N. W.
Washington 6, D. C.

Dr. Herbert Scoville, Jr.
2430 E Street, N. W.
Washington 25, D. C.

Dr. Alan T. Waterman
Director
National Science Foundation
1951 Constitution Ave., N. W.
Washington 25, D. C.

Dr. Herbert York
Director of Defense Research and Engineering
Department of Defense
Room 3E1006, The Pentagon
Washington 25, D. C.

Executive Officer

Mr. David Z. Beckler
Executive Officer
President's Science Advisory Committee
The White House
Washington 25, D. C.

PRESIDENT'S SCIENCE ADVISORY COMMITTEE MEMBERSHIP

G. B. Kistiakowsky, Chairman, Special Assistant for Science and Technology

Glenn T. Seaborg

Emanuel R. Piore, Research Director for IBM

Cyril Stanley Smith, Professor of Metallurgy, University of Chicago

John Bardeen, Professor of Physics and Electrical Engineering, Univ. of Illinois

Britton Chance, Director of Johnson Foundation for Medical Physics, Univ. of Pennsylvania School of Medicine

* Robert F. Bacher, Professor of Physics, California Institute of Technology, Pasadena 4

* William O. Baker, Vice Pres. of Research, Bell Telephone Laboratories, Murray Hill, N.

* Hans A. Bethe, Professor of Physics, Cornell University, Ithaca, N.Y.

Detlev W. Bronk, Pres. Rockefeller Institute, 66th St. and York Ave., N.Y. 21, N.Y.

James D. Fisk, Pres. Bell Telephone Laboratories, Murray Hill, N.J.

* Edwin H. Land, Pres. Polaroid Corporation, 730 Main St., Cambridge 39, Mass.

Edward M. Purcell, Prof. of Physics, Harvard University, Cambridge 38, Mass.

Isidor I. Rabi, Prof. of Physics, Columbia University, N.Y. 27, N.Y.

* H. P. Robertson, Prof. of Physics, California Institute of Technology

* Paul A. Weiss, Member and Prof. Rockefeller Institute, 66th and York Ave., N.Y. 21, N.

Jerome B. Wiesmer, Dir. Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Mass.

* * *

CONSULTANTS:

Wallace R. Brode, Sci. Adv., Department of State, Washington 25, D. C.
Hugh L. Dryden, Deputy Admin, Nat'l Aeronautics and Space Admin., 1520 H St,NW, Washington 25, D.C.
Albert G. Hill, Vice Pres. Institute for Defense Analyses, 1707 H St,NW, Wash.6 DC
Herbert Scoville, Jr., 2430 E St.,NW, Washington 25, DC
Alan T. Waterman, Dir.Nat'l Science F undation, 1951 Constitution Ave,NW,Wash 25 DC
Herbert York, Dir.Defense Research and Engineering, Dept. of Defense, Room 3E1006, Pentagon, Washington 25, D.C.
David D. Beckler, Exec. Officer, President's Science Advisory Committee, The White House, Washington 25, D.C.

(James B. Killian, Jr. resignation, May, 1959, noted.)

3/2/59
* being replaced

borne by the Berkeley campus, through the use of the Springer Fund.

Also on March 4th a letter went to Albert K. Chapman (President of the Eastman Kodak Company) inviting him to serve on the Special Committee to Consider an Appropriate Memorial in honor of Ernest O. Lawrence and advising him that the next meeting of the Committee will he held on Wednesday, March 11th, at noon in the Chancellor's Conference Room, 3335 Dwinelle Hall, on the Berkeley campus.

Another memorandum dated March 4th went to Kerr, pointing out the complications in the request for approval of a Space Sciences Laboratory at Berkeley that have been introduced by the proposal of an Institute for Space Sciences at UCLA. I point out that this proposal came in much later than the Berkeley proposal and my concern that valuable time should not be lost in approving the Berkeley proposal because of this. I recommend that the statement of the Berkeley proposal be presented to the Regents for approval at their March meeting.

Another memorandum dated March 6th is addressed to all deans and departmental chairmen and regards participation in High School Day, Saturday, April 18th, a program sponsored jointly by the University and the ASUC to be held on the Berkeley campus.

I noted a memorandum from Clark Kerr, approving the revised financial plan for the Student Union and cafeteria recommended by Acting Business Manager Kerley and others that I sent along to him with my endorsement on February 27th.

A memorandum from Foster Sherwood of UCLA (Chairman of the Subcommittee on the Role of Intercollegiate Athletics in the University of the Intercollegiate Athletic Advisory Committee [IAAC]) encloses a very preliminary draft of a policy statement on athletics. This states that the ultimate responsibility for the conduct and character of an athletic program on any campus of the University rests in the Regents, who, through the President and the chancellors at Berkeley and Los Angeles, will consult with the faculty, students and alumni as parties in interest. The day-to-day administration and policy rules may be handled on each campus in any way appropriate as long as the chancellors, the President and the Regents are kept fully informed and authority commensurate with the responsibility is fully recognized.

A memorandum from Paul Christopolus (Director of Public Relations for the ASUC) enclosed a press release given out last Thursday, which identified 11 outstanding student athletes on the Berkeley campus who have compiled A-academic averages and are representing six different intercollegiate sports--Stuart Gold (a trackman), Jon Warren (a gymnast), Pat Newell and Gerald Lundgren (members of our PCC championship football team), Andy Segale (center on the football team and pitcher on the baseball team), Jerry Siebert (outstanding half-miler), Steve Monti (a gymnast), Clifford Schultz and Ray Hertel (crewmen), David Alvarez (a swimmer), and John Harrison (rugby). An additional 16 athletes made the honor roll when they obtained a B average or better in work completed this last semester.

A memo from Kitty indicated that Jack Oswald called from the President's Office yesterday to say that the Kaufman proposal for the use of tritium to study the groundwater in Southern California was discussed yesterday at President Kerr's cabinet meeting and was unanimously turned down. Kitty told

Jack that I had already turned down the proposal in the call that I made from Washington yesterday and that Kaufman has been told.

A memorandum from C. W. Brown (Acting Chairman of the BCD Committee) indicates that the Institute of Marine Resources already has the best space in Hilgard Hall and recommends against the introduction of a request now that would require changes in Hilgard Hall as the plans are too close to completion.

Another memo from C. W. Brown describes the conference he had with Dr. Mel of the State Department of Public Health. John D. Phillips and James A. Barnes (City of Berkeley) and Louis DeMonte and Brown (UCB) attended to discuss the possible transfer of the State Public Health Building, which is just west of Oxford Street, to the University in exchange for the University furnishing land upon which the state could build a new building. He recommends that the state be given a portion of the non-agricultural part of the Gill Tract and states that Phillips told the group that if we obtain the present Public Health Building there would be vocal opposition that we are extending the boundaries of the campus to Shattuck Avenue, but that this would be far less than would occur if we were to try to expand some time in the future, which Brown believes will be necessary.

In a memo Bill Fretter reveals his frustration at a recent decision that a statewide committee be appointed to consider the location of the Marine Biological Laboratory, which will hold it up, he believes, for another year; this results from UCLA wanting to get into the act.

A letter from Regent Donald McLaughlin informs me that Albert Chapman has accepted membership on the Committee to Consider a Suitable Memorial for Ernest Lawrence.

I played nine holes of golf this afternoon at the Contra Costa Country Club with Stan Thompson. My score was 48 and Stan's, 56.

In the evening I attended the basketball game in Harmon Gym in which we played Oregon State College. The Cal Bears, winning the PCC title with Washington's loss to the Bruins last night, defeated Oregon State by a score of 55-52. The squad received a standing ovation after the game.

After the game there was a ceremony honoring our basketball team put on by the Californians, a campus student booster group, arranged by Arthur L. Delleray of the Californians. This began with playing by the California Straw Hat Band with the pompon girls in action. Art Delleray then introduced Bill Stricklin (ASUC President) who made a few remarks. Bill then introduced me and I spoke briefly before introducing Clark Kerr who made a few remarks. Art then introduced Forrest Brinkerhoff (President of the Californians on the Berkeley campus). Art then thanked the Straw Hat Band for their spiritual contributions to this year's successful basketball season. He next introduced the parents of senior members of our basketball team--Sam and Sylvia Buch (parents of Al Buck), Louis and Margaret Fitzpatrick (parents of Denny Fitzpatrick), Donald and Elizabeth Dalton (parents of Bobby Dalton), Wes and Ruth Grout (parents of Jack Grout), E. B. and Margaret Langley (parents of Jim Langley), and Ben and Lee Simpson (parents of Bernie Simpson). Coach Pete Newell was introduced and he introduced all of the basketball players and presented a certificate to each of the players. Captain Al Buch responded on behalf of the California basketball team. The rooting section then saluted the team with a yell and the ceremonies were concluded with the singing of "All Hail".

Peter rode with his Scout Master, Barney Rocca, and fellow scouts to Camp Bray in the Sierra for a winter outing today to go skiing. Camp Bray is near Pinecrest, above Sonora, so he had rather a long ride to and fro.

Sunday, March 8, 1959

After reading the morning papers and playing with the kids for a while, in the afternoon I continued reading some of the memoranda that I did not get around to last night.

A memorandum from Lincoln Constance described a conference he had last Monday with Charles Aikin (Chairman of the Department of Political Science). Constance learned that Ralph H. Retzleff, the excellently-recommended young man in the India field, will accept appointment as Assistant Professor as of July 1, 1960, to replace the departing Richard Park; that Carl Rosberg, a Visiting Assistant Professor in the field of Africa, is declining a position at Boston University to stay with us; that Guy Pauker is being proposed for a one year accelerated promotion to Associate Professor; that Page of Northwestern University is the department's choice to replace the departing Wing Mah.

He said that Aikin gave him a copy of Peter Odegard's proposal for an "Internship Program in Political Parties" involving both Berkeley and Los Angeles, for which he thinks he could get support from the Falk Foundation. I made a note that I think we might have trouble with some Regents on this one.

A memorandum from Jim Hart tells me that the text of the first 54 pages of the revised circular of information has been produced by the Committee on the Catalogue. I noted that we should be sure that the revision describes the College of Engineering as having more of a tilt towards science and I suggested that we should discuss it at a meeting of the CAAC.

Another memorandum from Jim refers to a phone call from Ernie Engelbert (Director of the Extension Division) on Thursday, requesting guidance on how much support the Division should give to DLM next year. Jim infers that because Clark Kerr has convinced Governor Brown to reduce the budget of Extension by only 35% that this increased income should carry over to DLM and its budget should thus be reduced by 35%; I made a note that I will talk to Kerr to see if this is his intention.

Another note from Thomas Steel (Secretary of the Academic Senate, Northern Section) informs me that the Committee on Committees of the Berkeley Division at its meeting on February 27th, in response to my letter of February 2nd, nominates the following panel of names of persons suitable for an appointment to an Advisory Committee Concerning the Dean of Men and the Foreign Student Advisor--E. C. Bellquist, W. B. Fretter, V. Fuller, A. S. Legens, A. H. MacCormick, G. E. Marsh and S. A. Mosk.

A memo from Clark Kerr encloses a statement on "Authority to Appoint Academic Personnel and to Approve Academic Salary Adjustments", which will probably be discussed further at the March meeting of the CCCO.

A memorandum from Lincoln Constance states that his understanding is that I have determined that Ed Strong will be on 0.5 FTE in his administrative post

in 1959-60; he requests that I seek from Kerr the use of an additional 0.5 FTE for the Spring Semester of 1960 in order to enable the Department of Philosophy to bring in a distinguished visitor on a temporary appointment.

A memo from Ray Sontag (Chairman of my Committee on Regents Professorships and Lectureships) is in response to my letter of March 3rd asking for a report on the Committee; he said that the Committee functions well, the burden of the work falls on the Chairman, and, since he has been Chairman for six years, he asks to be replaced, suggesting either S. S. Hoos or C. R. Wilke as Chairman and as his replacement on the Committee, Henry Nash Smith or George Stewart (to represent the Humanities) and to represent Business Administration, he suggests Luther S. Gilbert be replaced by Paul Wendt.

Monday, March 9, 1959

I drove directly to the Shell Development Company (1400 53rd Street, Emeryville) to attend, at the invitation of Shell President Harold Gershinowitz, the dedication ceremonies for their lecture hall. Peter Debye gave the dedicatory lecture. Joel Hildebrand also gave a talk.

When I arrived in the late morning at my Dwinelle Hall office, I called Foster Sherwood at UCLA to comment on his draft policy statement for the IAAC Subcommittee on the Role of Intercollegiate Athletics in the educational program of the University of California, suggesting a clarification of the role played by students coming from junior colleges and that in the section on financial aid, that it should be clear, in conformance with the Articles of Association of the AAWU, that the definition of need is demonstrated by the willingness to work 250 hours per year.

I noted a telegram from Queen Frederika of Greece, saying,

> "I congratulate you on your staff on finding the new atomic particle. Please send me some detailed information on it."

This refers to Luis Alvarez and co-workers, as the result of taking 70,000 bubble chamber photographs at the Bevatron, of the Xi-zero or neutral cascade hyperon. I took the telegram with me to the Radiation Laboratory when I went up to attend the regular luncheon meeting with the Nuclear Chemistry group in Iz Perlman's office and had it brought to Alvarez' office for a direct reply from him to Queen Frederika.

When I returned to my Chancellor's Office, I had a meeting at 2:30 p.m. with Larry Grossman (Nuclear Engineering). I told him that because the new Dean of the College of Engineering has not been appointed, it has not been possible to appoint a Chairman for Nuclear Engineering and I suggested that in the interim, an advisory committee be appointed, possibly consisting of people like Ed Teller, Earl Parker, Ken Pitzer, Sam Silver, and Everett Howe; he agreed to this. Immediately after Grossman left I phoned Acting Dean Clyne Garland and asked his opinion on this idea to appoint a committee and he agreed to it.

I noted a memorandum from Clinton Gilliam (Registrar) describing the distribution of new undergraduates for the Spring Semester of 1959 (attached).

UNIVERSITY OF CALIFORNIA DEPARTMENTS AT BERKELEY

DISTRIBUTION OF NEW UNDERGRADUATES: SPRING SEMESTER 1959

Actual registration of new undergraduates in the colleges and schools at Berkeley to and including the end of the third week of classes, Spring Semester 1959. Data concerning class and college based in each case on student's own statement of his classification at the time of his first registration at Berkeley. In the columns showing the number of students the upper left-hand figure in each case refers to men, the lower to women, the figure on the right is the total.

SCHOOL OR COLLEGE	FRESHMAN		SOPHOMORE		JUNIOR		SENIOR		SPECIAL		LIMITED		TOTALS	
Letters and	93		63		88		14		1		8		267	
Science	145	238	66	129	62	150	15	29	1	2	1	9	290	557
	7		5		6		1		1		2		22	
Agriculture ..	1	8	5	10	5	11	1	2	1	2	3	5	16	38
	14		8		4		1		...		2		29	
Architecture .	0	14	0	8	1	5	0	1	...	...	0	2	1	30
Business Ad-	...		...		20		5		...		9		34	
ministration.	...	...	...	...	1	21	2	7	...	...	2	11	5	39
	10		...		6		...		...		1		17	
Chemistry	2	12	...	...	0	6	...	...	...	...	1	2	3	20
	...		...		4		...		7		...		11	
Criminology ..	...	...	...	...	2	6	...	...	0	7	...	...	2	13
	25		3		68		1		...		1		98	
Engineering ..	0	25	0	3	0	68	0	1	...	...	0	1	0	98
	...		...		...		...		...		1		1	
Forestry	...	...	...	...	...	...	...	...	...	...	0	1	0	1
	...		...		0		0		...		0		0	
Nursing	...	...	...	...	1	1	2	2	...	...	8	8	11	11
	...		...		...		...		...		...		...	
Optometry	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	...		...		2		...		...		7		9	
Public Health.	...	...	...	...	1	3	...	...	...	...	1	8	2	11
	149		79		198		22		9		31		488	
TOTALS	148	297	71	150	73	271	20	42	2	11	16	47	330	818

Percentage of Men		Advanced Standing: Percentage (specials and limited excluded) claiming sophomore or higher standing		Extra-California Percentage of Students registered from points outside of California	
Sept. 1953	61.0	Sept. 1953	43.8	Sept. 1953	9.5
Feb. 1954	65.1	Feb. 1954	50.7	Feb. 1954	13.1
Sept. 1954	58.9	Sept. 1954	43.9	Sept. 1954	8.8
Feb. 1955	66.6	Feb. 1955	52.0	Feb. 1955	15.9
Sept. 1955	61.1	Sept. 1955	43.3	Sept. 1955	9.7
Feb. 1956	65.3	Feb. 1956	57.3	Feb. 1956	12.7
Sept. 1956	61.3	Sept. 1956	45.7	Sept. 1956	9.3
Feb. 1957	68.1	Feb. 1957	58.5	Feb. 1957	13.1
Sept. 1957	62.3	Sept. 1957	43.8	Sept. 1957	11.3
Feb. 1958	66.7	Feb. 1958	58.1	Feb. 1958	14.3
Sept. 1958	58.0	Sept. 1958	39.9	Sept. 1958	11.3
Feb. 1959	59.7	Feb. 1959	60.9	Feb. 1959	13.3

Berkeley, California
March 9, 1959

(250-3 '59)

CLINTON C. GILLIAM
Registrar

I also read a memorandum from Bill Fretter, saying that he has talked to Jack Oswald about Kaufman's latest proposal to act as a consultant to a Los Angeles firm, using University equipment on a subcontract basis, for his tritium project. Jack's reaction is that the University should not be connected with this project in any way and Fretter says that he will inform Kaufman.

I sent a memorandum to Clark Kerr, giving a complete report on the Kaufman project and saying that I am disturbed that it was necessary to disapprove this proposal on the sole ground of possible public repercussions against the University, but, after consultations with various people, including Dan Wilkes, it seemed the wisest thing to do. Copies of this memorandum went to Warren Kaufman, Percy McGaughey and Dean Mike O'Brien of the College of Engineering.

I sent a memorandum to high school principals in the East Bay area, inviting them, their faculty and members of their senior classes to attend the annual High School Day on the Berkeley campus to be held on Saturday, April 18th. This is being jointly sponsored by the ASUC and the University. This year the session will be held in Wheeler Auditorium at 9 a.m. and we expect more than 1,000 people to attend.

I sent a letter to Jim Conant, thanking him for his kind note and expressing delight at having had him on our campus.

A letter went to Oscar Pemantle (Chairman of the Graduate Association in Political Science) thanking him for his letter of February 18th enclosing the letter to me from the Graduate Association in Political Science opposing the disclaimer oath provision of Title II of the National Defense Education Act. I say that I shall certainly give this expression of student opinion careful attention and call attention to the good possibility that this disclaimer oath provision will be removed from the Act by legislation now under consideration in Washington.

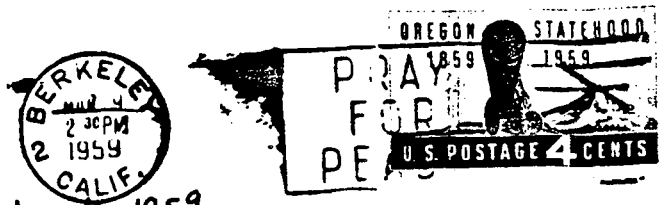
I sent a copy of my book, Elements of the Universe, to California Lieutenant Governor Glenn Anderson and also one to Winfield Scott Wellington (Decorative Art) thanking him for the extended loan of his totem pole, which has decorated the corner of my Chancellor's Office and indicating that I am now returning it to him at his request.

I sent to Harry Wellman for consideration of the Coordinating Committee on Buildings and Campus Development a major capital request for improving the Home Economics Building.

A note went to George De Long (new Warden of the Order of the Golden Bear) congratulating him on his selection for this position and informing him of numerous meetings that I shall have to miss due to my attendance at meetings of the Board of Regents and so forth.

During the evening after dinner, in my study at home, I read my usual stack of papers. Very amusing, or perhaps not so amusing, is a photostatic copy of a cartoon in the Daily Californian (attached) sent by an alumnus (anonymous) addressed to "The Dean, College of Letters and Science". This shows the picture of a young man calling upon a young woman whom he finds dressed in a baseball outfit saying, "But-when I said 'Play ball with me tonight'-I had something else in mind." The alumnus has written in the margin, "The faculty

863



3/9/1959

The Dean, College of Letters & Sciences
Administration Bldg
Campus

"But—when I said 'PLAY BALL WITH ME TONITE'—I had something else in mind."

Daily Cal, Mar. 6 How low are the students getting?

TO THE WRITER: No Ice Box letters will be printed unless the signature is verified. Writers who cannot bring their letters and identification to the Daily Californian office should include their phone number in the letter so the authorship can be checked by phone. Please limit letters to 150 words or less.

Dear College Le & Sc.

I am quite shocked at the publication of such a sketch with its not-so-hidden suggestion. Is this the kind

The faculty should have a bottle in a disinfectant. Our alumnus,

should have a bath in disinfectant." I am afraid that some of our alumni don't appreciate this kind of humor and some of that which has appeared in the Pelican recently.

A memorandum from Bud Hastings (Executive Director of the ASUC) encloses a draft of a head coaches agreement and contains language that makes it clear that he believes that the ASUC should remain in charge of intercollegiate athletics.

A memorandum from Ed Strong comments on Bud Hastings' letter to me, pointing out that this is really a pitch for the ASUC to remain in charge of intercollegiate athletics and noting that the Executive Committee of the ASUC has adopted a resolution calling for delegation to the ASUC of "direct management and control of intercollegiate athletics." We will make it clear to Hastings and to the ASUC that the University has the ultimate responsibility for the conduct of intercollegiate athletics.

A memorandum from Douglas Chrétien (Campus Coordinator for the NDEA) summarizes the situation with respect to the disclaimer oath of the NDEA, saying that there is no real concerted opposition to this among faculty, that the faculty itself has to swear under the Levering Act that "I do not advocate nor am I a member of any organization that advocates..." and so forth, that students in general are worried for fear that the University will withdraw from the NDEA and hence cut off their possibilities for loans, and suggests that we follow the position of Arthur S. Flemming (Secretary of Health, Education and Welfare) and urge repeal of the disclaimer--but at the same time, cooperate with the United States government in carrying out the expressed, admirable and desirable purposes of the NDEA.

A note from Ed McMillan suggests that Mr. Gallis, who is the architect on the new addition to the Chemistry Building at the Rad Lab, should be hired to make a study of the best place to put the Physics Building (Building 50) in order to make the best use of the land available in the Building 50 and Chemistry Building 70 area; I made a note that we should put this on the CPC agenda for discussion.

A memorandum from Milt Chernin suggests that the recommendation that a substitute for the term "non-academic" be adopted as suggested by the Arthur Ross Committee and he suggests that we have the terms "academic personnel" for teachers and research scholars and "staff personnel" for all others.

A letter from Alan Waterman (Director of the National Science Foundation) replies to my letter of February 13th, concerning the development of a science course for college students. He says that he will be interested in receiving a proposal, looking toward implementation of my idea and shares the information that an MIT group under Zacharias is preparing a new high school course in physics; a Yale group under E. G. Begle is preparing such a course in mathematics; a group under Bentley Glass is preparing a course in biological sciences headquartered at the University of Colorado; and a committee is studying the possibility of submitting a proposal to NSF for a similar study of high school Chemistry.

A letter from Ralph I. Smith (Zoology) states that he accepts my invitation to serve as Chairman of the Local Committee on SCUBA (self-contained underwater breathing apparatus).

Tuesday, March 10, 1959

I drove directly to Dwinelle Hall and went to my Chancellor's Office. I signed a memorandum to Mike O'Brien (Dean of the College of Engineering) in reply to his memorandum of February 27th complaining about the recent cuts in the 1959-60 budget of the College and asking me to reconsider the budget. I told him that the cuts are related to the enrollment of students in the College and are made necessary by Governor Brown's cuts in the University budget and that I cannot give him any relief. I told him that I hope I may hear from him soon in regard to making available 0.83 FTE for Mineral Technology for the proposed appointment of Douglas W. Fuerstenau. I said that if our present efforts to secure restitution of at least part of the reductions in the University's budget are successful, I will certainly reconsider the situation in the College of Engineering.

Another memorandum went to Clark Kerr in response to his communication of February 25th on "Equivalent Ranks in the University System", pointing out that I have appointed a special committee under the chairmanship of Ed McMillan to consider the problem of equivalent ranks, and that any recommendation from my office concerning equivalent ranks should probably await a report from McMillan's committee. I also said that the problem of equivalent ranks is being considered by the Budget Committee, the AAC and the CAAC.

At about 9:30 a.m. I left my office to walk to Alumni House to make the welcoming remarks at the meeting of the Executive Committee Advisory Council and principal staff members of the statewide Institute of Marine Resources. I welcomed them to the Berkeley campus and said that I have read Harrison Brown's committee report on Oceanography and realize how important marine resources are, and that the United States is not doing enough in this area.

Roger Revelle also made some opening remarks, mentioning the problem of radioactive waste disposal in the ocean and the work of Harold Olcott in marine food technology and Herbert E. Hawkes in mineral resources of the sea on the Berkeley campus, indicating that they need more space.

I underlined the importance of being very careful on the question of radioactive waste disposal in the ocean and in discussing the space problem, I mentioned Wheelock's telegram and said that since I have become Chancellor, I have found space my biggest problem. I described our critical situation, mentioning that professors were threatening to quit and eminent scientists like Melvin Calvin could not be taken care of in this respect. I told them that BCD has established priorities for years ahead and I have made it a point not to overrule them and since the Institute of Marine Resources made no request for remodelling space in Hilgard Hall, they are not on the priority list. I told them about the possibility of finding space in the Home Economics Building and in another unidentified building near the campus which we might acquire. (I had in mind our negotiations concerning the Public Health Building.)

When I returned to my office, Anna Carol told me that Frank Kidner had called and since he had called Gloria Copeland also, Anna Carol learned from her that Kidner wanted to inform me that the Organizing Committee of the AAWU has agreed with the Tournament of Roses people to continue the agreement concerning the Rose Bowl. They would like to announce this and the March 31st meeting of the AAWU Organizing Committee seems like an auspicious time.

Kidner feels, and Kerr agrees, that if Stanford is leaning towards the AAWU, it would be good to let them in before the announcement of the Rose Bowl agreement. Kerr is trying to reach President Sterling of Stanford to feel him out on this.

At 11:30 a.m. I met in my office with a delegation of youth leaders from India- Mr. and Mrs. Ramkrishna Bajaj of Bombay, P. T. Kuriakose of Narakkal, Kerala State, R. Narasimhiah of Gubbi Taluk, Mysore State, Ramal Parikh of New Delhi, Dr. Guncantrai Ganpatal Parikh, Bombay, Virendrakumar Jeewanlal Shah of Bombay, and Miss Malathi Vaidyanathan of Bombay. I described the University of California and the Berkeley campus, student government activities, and compared this with other state universities and private universities and colleges.

At noon in my conference room I presided over the bag lunch meeting of my Cabinet, attended by Chernin, Fretter, Malloy, Mauchlan, Sherriffs and Wilkes.

We spent the first hour discussing the request by SLATE to hold a rally for Proposition C and Hurford Stone's reply turning down the request and what steps should be taken now to counter the resulting furor that is being promulgated by SLATE.

In connection with the agenda for the next CCCO meeting, we asked Kitty Malloy to look up the status of the proposal that the University purchase the Mira Vista golf club.

Regarding the matter of authority for chancellors to appoint administrative officers, it was agreed that they should have final authority for appointment of the Associate Dean of Students instead of the President, as now listed. Also regarding the authority for chancellors to appoint academic personnel, I said that I shall ascertain whether the Graduate Division was intentionally left out in the suggested procedures for the appointment of teaching assistants, research assistants, and non-faculty research personnel.

Because we spent so much time on the SLATE item, we didn't get to the rest of the business and I scheduled another meeting of my Cabinet for the day after tomorrow.

At 2 p.m. Bob Kerley brought into my office a number of people from the Office of Naval Research--Captain R. B. McLaughlin (the new commanding officer), Robert M. Fincher (head of the contract administration department of ONR in San Francisco), Freeman H. Quimby (Chief Scientist) and Elmer Keith (ONR representative on the Berkeley campus). We discussed the ONR program of supporting scientific research and they told me that the University of California at Berkeley is probably their "chief customer". They have a budget of about $30 million per year for the support of basic scientific research. I asked if they would take seriously a request from us for support of research in the humanities and the social sciences; they said they would do so in the social sciences, e.g., in the fields of experimental or group psychology.

Beginning at 3:15 p.m. I presided over a meeting of the Academic Advisory Committee (AAC) in the Chancellor's Conference Room (Room 3335D Dwinelle Hall). The members present were R. G. Bressler, S. Elberg, W. E. Farnham, J. D. Hart, C. W. Jones, F. L. Kidner, A. E. Hutson, M. A. Stewart, M. Moonitz and R. F. Kerley and F. Miller were also present.

As an introduction to our discussion of the five and ten year projected budget, personnel and space needs of organized research units, Kerley outlined the procedures followed in processing research contracts and grant applications.

Following the discussion, in my summary I said that the present system means in effect that the major part of the campus research program is dictated by external agencies and suggested that one means of remedying this would be to persuade governmental agencies to adopt a policy of making block type grants for campus-developed programs. An alternative might be a block application in respect of a group research project. I noted that at present the campus' organized research effort is largely in the physical sciences and review procedures tend to center only on the worth of the project. I suggested that we should expand research efforts in the social sciences and humanities to work toward a better-balanced campus.

We decided to reconsider some of these questions later, after seeking input from statewide administration, which is essential to the resolution of such a complicated issue.

I then introduced discussion of the presidential memorandum on student government. Among the conclusions reached was that the section on graduate student government should be reconsidered. The consensus was that a separate graduate organization might lead to an undesirable dichotomy in student affairs. We adjourned at 5:10 p.m.

After the meeting I received a call from John Francis Neylan. He said that as a result of a former interest in collecting books he has three Shakespeare folios and some other beautiful editions (Chaucer, etc.) which he feels belong in the UCB Library. He also has some letters in his collection which he would like to go to the Law Library at Hastings, and some that he may give to Berkeley. He said that he will look through them and think it over. I mentioned Donald Coney to him and Neylan asked that I have Coney call him in a week if Neylan hasn't phoned Coney. He said he would like Coney to be close-mouthed about this.

In this afternoon's Berkeley Gazette there is an article describing my planned inauguration as Chancellor of the Berkeley campus at the 91st Charter Day anniversary exercise to be held on Friday, March 20th in the Greek Theatre and an announcement that I will deliver the annual Faculty Research Lecture on the subject of "The Man-Made Chemical Elements" on Wednesday evening, March 18th, in Wheeler Auditorium.

After dinner at home I received a phone call from Frank Kidner. He wanted to discuss the question of how much we should pursue Stanford to join the AAWU. He said that Clark Kerr has been trying without success to get an appointment with Wally Sterling to discuss this matter. We agreed that we should not try to put pressure on Stanford, but that we should bring to their attention the agreement that the AAWU now has regarding the continuation of the Rose Bowl arrangement with the Big Ten. Frank said that he has discussed this with Jim Black (Chairman of the Stanford Board of Trustees), that he emphasized to him that time is running out, and that Black said that he will talk with Sterling about it. Frank has also talked to some of the other Stanford trustees. I said that I hope that we will be as "unpursuing" as possible with Stanford.

I read a letter from Thomas C. Hennings, Jr. (Chairman of the Senate Subcommittee on Constitutional Rights) asking for an expression of my views on the effect of restrictions on the free exchange of information on scientific development and progress in this country; I decided to refer this to Perlman and Hyde (LRL) for advice.

I read a letter from Adrian Kragen (Chairman of the Special Committee on Fraternity Problems) describing the problem of fraternities being required to relocate because of the land needs of the University. This was in response to my memo asking for reports from the various committees. He suggests that the Committee on Student Housing Policy should consider this problem and recommends the addition of Dow Votaw and Robert J. Drewes to this Committee.

A memorandum from Hurford Stone describes a meeting he had with Cindy Lembcke (Chairman of SLATE); she wanted permission to hold an outdoor rally and Stone described the things that are involved in approving outdoor rallies and that approval for indoor meetings are much easier to obtain.

A memorandum from Clark Kerr informed me that a Joint Meeting of the Regents and the State Board of Education will be held at Alumni House on the Berkeley campus on the morning of March 14th and he indicates that he wants me to attend the meeting to represent the University along with Vice Chancellor Knudsen of UCLA and Chancellor Freeborn of Davis, as members of the reconstituted Joint Advisory Committee, which will be asked to prepare a report on coordination of higher education in California for presentation to a second Joint Meeting of the Regents and the Board of Education which will be held on April 14th in Los Angeles.

A letter from State Assemblyman W. Byron Rumford tells me that he will be unable to attend my inauguration ceremony but will attend the Charter Day banquet at the Sheraton Palace Hotel on Friday, March 20th.

Helen told me that she attended a meeting of the Board of Directors of the YWCA this morning in Berkeley.

Wednesday, March 11, 1959

When I arrived at my Chancellor's Office this morning, I saw an article by Dan Silver in today's Daily Californian entitled "SLATE Sends Kerr Telegram as Objection to Rally Ban". It states that SLATE is protesting Dean Stone's refusal to permit a noon rally today to discuss items of general student concern (not non-campus issues, discussion of which is prohibited) and Stone's refusal of permission to hold an outdoor meeting to protest the ban yesterday. SLATE sent a telegram of protest to Clark Kerr and to Chairman of the Board of Regents Donald McLaughlin.

Another article headlined "Sherriffs Cites Ruling on Off-Campus Action". This describes the statement by Ex-President Robert Gordon Sproul made in October 1940, which prohibits participation by University-recognized groups in off-campus activities or controversies having no direct connection with University affairs.

I sent a letter to Dr. A. K. De (Department of Chemistry, Jadavpur University, Calcutta, India) expressing concurrence and appreciation for his plan to dedicate his book, Separation of Heavy Metals, to me.

BERKELEY GAZETTE

March 10, 1959

Dr. Seaborg Ceremony Set March 20

Dr. Glenn T. Seaborg, one of the world's foremost scientists, will be officially inaugurated as chancellor of the Berkeley campus during the University of California's ninety-first Charter Anniversary Exercises to be held Friday, March 20, in the Greek Theater.

President Clark Kerr, who was inaugurated as head of the statewide University late last September, will deliver the annual Presidential Charter Day message for the first time in his new role.

Dr. Seaborg, the Nobel Laureate professor of chemistry who is also associate director of the Lawrence Radiation Laboratory, will deliver the inaugural address at the special Inauguration-Charter Day ceremonies. Earlier that week, Dr. Seaborg will also deliver the Annual Faculty Research Lecture on the subject, "The Man-Made Chemical Elements," at 8 p.m. Wednesday, March 18, in Wheeler Auditorium. The lecture is one of the traditional events held during Charter Week.

NOBEL AWARD

Chancellor Seaborg, who has just been named by President Eisenhower to the President's Science Advisory Committee, took over the post of chief administrative officer of the Berkeley campus last Aug. 15.

The internationally-renowned atomic scientist is noted for his research on the transuranium elements, for which he and Prof. Edwin M. McMillan received the Nobel Prize in Chemistry in 1951. Since 1940, he has been co-discoverer of all nine artificial elements between plutonium (element 94) and the recently discovered element 102.

UC PRODUCT

The scientist received all of his education at the University of California, taking his AB degree on the Los Angeles campus and his PhD at Berkeley. He is the only University alumnus who has been named "Alumnus of the Year" by the alumni associations of both the Los Angeles and the Berkeley campus.

Between 1942 and 1946, Seaborg served as director of plutonium research for the Manhattan Project at the University of Chicago Metallurgical Laboratory. One of his principal responsibilities there was the working out of the complete chemical process for the separation of plutonium.

I sent a memorandum to Mike O'Brien (Dean of the College of Engineering) informing him that I am unable to concur with all of the merit increases that he has proposed for the academic year 1959-60, but also including informing him of my decision to recommend merit increases, on the basis of departmental and committee reviews, that were not recommended by him. These considerations relate to Everett D. Howe (Mechanical Engineering), Reinhardt M. Rosenberg (Mechanics and Design), Erich G. Thomsen (Industrial Engineering), George E. Davis, Winfield W. Sisson, Robert G. Lawton and George P. Rebman (Engineering Design), David Pirtz (Civil Engineering) and G. Wayne Brown (Mechanical Design).

A memorandum went to Clark Kerr requesting that the Berkeley-Davis Committee for Planning on a Marine Biological Laboratory be allowed to continue with its planning and the search for a suitable site, despite the proposal of the Educational Policy Committee for the establishment of a statewide committee to plan and administer such a facility, which seems not practical to me.

On a similar subject, a memorandum from Bill Fretter informs me that he has talked at length with Harold Weaver about the Space Sciences Laboratory and the conflict with UCLA, which apparently is no longer an issue, because the idea of a Space Sciences Institute has apparently been dropped at UCLA. Therefore, Weaver says he will recommend permitting Berkeley to go ahead full speed on the Space Sciences Laboratory and an attempt will be made to bring this before the March meeting or the April meeting of the Regents for approval.

A memorandum went to Milt Chernin (Dean of the School of Social Welfare) informing him that I am not recommending his requested merit increase for Field Work Supervisors Stewart, Watt and Wilson, on the basis of committee review records.

In reply to Ken Pitzer's memorandum of February 25th, I inform him that a request for leave with full salary for more than a month must be approved by the President and the Regents, and for one month or less, by the Chancellor.

I sent to Richard Thruelsen (Senior Editor of the Saturday Evening Post) a draft of an article on the chemical elements for his "Adventures of the Mind" series.

A memorandum from Bob Kerley informs me that the Vice President for Business will present to the Finance Committee of the Regents this week the recommendation that he be authorized to conduct preliminary negotiations with the federal government for a loan of $8.65 million to finance permanent married student housing at Berkeley, Los Angeles and Davis, of which the Berkeley share will be approximately $5 million to provide 500 apartment units at an average capital cost of $10,000 each. This is good news, indeed, and I shall certainly support it at the Regents Meeting.

A letter from Berkeley Mayor Claude B. Hutchison informs me on the final list of names to be voted upon for the Berkeley Rotary Club's Peace Grove Award for 1958. My vote was first choice- Ernest Lawrence, second- John Foster Dulles, third- Albert Schweitzer, and fourth- Walter Loudermilk.

A memorandum came from George Papenfuss protesting the recommendation of the Educational Policy Committee that policy regarding a marine biological laboratory be made by an All-University committee representing the administration. This seems to undo all the work that his committee has done; his committee recommends Bodega Head as their first choice for the site of the laboratory of the Berkeley campus.

I presided over a luncheon meeting in my Chancellor's Conference Room of the Special Committee on the Ernest O. Lawrence Memorial Hall of Nuclear Science, which was attended by Regent Ed Pauley and Lionel Viales and Bill Fretter. Viales described his extensive visits to halls of science in the United States and Europe and we made plans for the luncheon meeting of the full Committee to be held in the Faculty Club on Friday.

When I returned to my office, Alex Sherriffs told me about a discussion he had in the hallway of Dwinelle Hall this morning with Clark Kerr. Kerr concurs in Dean Stone's decision turning down SLATE's request Monday to hold a rally for Proposition C, but thinks Stone made a mistake in denying SLATE's second request, that is, to hold a meeting to protest the first decision.

Kerr said that he has tried so often and failed to get to Wallace Sterling that it is clearly a matter of his having to plead for an appointment and hence, he has decided to drop the matter. Kerr said that if Greg Engelhard or Frank Kidner wants to approach Stanford on their levels, it is okay. I have decided not to make any further efforts on this matter either.

At 3 p.m. I had an appointment in my office with Harry Newburn. He asked about my general policy with regard to the long review procedure here at Berkeley for promotions and I said that I generally follow the recommendations of the committees, but in cases of disagreement, I have to use my own best judgement. I described to him the CAAC, AAC, CCCO, Chancellor's Cabinet, President's Cabinet, Academic Senate, Representative Assembly, and so forth. When he asked me if this cumbersome procedure might introduce recruiting battles such as those faced by all universities, I said that I might have to try to establish a certain percentage of appointments which I could make without the long review procedure.

He said that he plans to visit President Meredith Wilson and Orlando Hollis at the University of Oregon at the end of this week, that the new faculty athletic representative for the University of Oregon is Chairman of the Physics Department Roy Alekson, replacing Orlando Hollis, and that he is probably more liberal in his attitude toward financial aid to athletes than was Hollis. Harry told me that he has accepted the presidency of the University of Montana.

At 2:30 p.m. I had my appointment with Lincoln Constance. I agreed to the appointment of Louis Henyey as Chairman of the Department of Astronomy, which leaves a problem with respect to the Computer Center, for which I will ask Bill Fretter to check with Ed Teller with regard to substitute arrangements to replace Henyey there.

The appeal of Jacobus ten Broek for a departmental administrative assistant and for the upgrading of Mrs. McGuffey was returned to Constance for further investigation and he has Ed Feder working on it.

I read a number of memoranda, including one from Arnolfo B. Ferruolo (Chairman of the Department of Italian) in response to my memo to him of March 3rd concerning the Special Advisory Committee on Foreign Language Institutes. He regards the work of this committee as finished; it has prepared a proposal for a foreign language institute in conformity with Title VI, Part B, of the National Defense Education Act of 1958.

A memorandum from Knowles A. Ryerson (Dean of the College of Agriculture) requests approval for leave of absence to attend the fourth South Pacific Conference in Rabsul, New Guinea, a meeting of native leaders of the 18 principal island groups of the South Pacific held every three years by the South Pacific Commission, which he will serve as chairman this year.

In a memorandum from Dwight Waldo (Bureau of Public Administration) he says that he favors our proposed policy statement on the proposed "two year rule" for ICA contracts.

A memorandum from Frank B. W. Hawkinshire V (Chairman of the Student Judicial Committee) requests a ruling from the Counsel of the Regents concerning the ruling of the Student Judicial Committee to assess fines on students.

A memorandum from Otto Struve in reply to my circular letter of March 3rd recommends that the Advisory Committee on the Laboratory of Radioastronomy should be continued at least for one more year and that its purpose is to help the director in formulating the broad policies and research plans of the organization and to serve as a connecting link between the Laboratory, the Astronomy Department and the rest of the University.

I attended a dinner meeting of the Council of Chief Campus Officers (CCCO) in the Golden Bear restaurant.

We were told that if professors are asked to testify in Sacramento, they should clear it with Jim Corley.

We learned that Governor Brown and the State Finance Committee have assured a faculty salary increase of 5%, that an attempt will be made for a salary increase of 12.5%, which the Governor may veto, but he would probably go for a 10% increase.

We learned which equipment items have been restored to the budget and which have been deferred.

The greatest gain in all this is the changed atmosphere in the Governor's Office that will operate for our benefit during the next four years. No more work needs to be done on the 1960-61 budget until we get the target figures.

There was a good deal of discussion of the problem of cooperation with the state colleges and the outlook is discouraging. They feel that they can assume university status much faster by not cooperating with the University of California. Malcolm Love (President of San Diego State College) wants his school to become a university right away. The Joint Advisory Committee, of which I am a member, consists also of Vern Knudsen (Vice Chancellor of UCLA), Stan Freeborn (Chancellor of Davis), Glenn Dumke (President of San Francisco State College), John Wahlquist (President of San Jose State College) and Malcolm Love and three members with junior college connections. This committee is to prepare a report attempting to resolve differences between the

University and the state colleges in time for the second Joint Meeting of the Board of Regents and the State Board of Education, which has cognizance over the state colleges, to be held on April 15th in Los Angeles, and which will have as its agenda the determination of policy for coordination of higher education in California.

Some other items at the meeting: It has been determined that DLM and educational television are to come out of the Extension Division but will receive support and will continue at the same level as last year. However, it is Sacramento's plan to cut support for the Extension Division until it drops to zero. The provision for paying academic retirement stipends has been restored to the Governor's budget.

Thursday, March 12, 1959

When I arrived at my Chancellor's Office this morning, I found in the Daily Californian a headline saying "Legal Opinion Asked- ACLU Joins SLATE Rally Dispute". The story goes on to say that Ernest Besig (Executive Director of the ACLU Northern California Branch) has sent me a letter requesting clarification of a ban by Hurford Stone of a SLATE rally in support of Proposition C. Besig says that it is unfortunate that the University is taking the position that students should not concern themselves with off-campus issues. Besig misses the point because the issue with Stone is the use of the University name and prestige by student groups who do not represent the University or the students of the University when they take positions on political issues. I am afraid that this issue is heating up, which, of course, is the objective of the SLATE group.

I wrote a note to Pete Newell, saying that I want to supplement the general acclaim accorded him at the Oregon State-Berkeley basketball game last Saturday and add a personal note of congratulation on his outstanding success at California. I said that not only have his teams achieved the great distinction of winning conference championships for three successive years, but the young men under his guidance have maintained an admirable poise in so doing and have combined their roles as students and champion athletes.

Anna Carol told me that she called President Topping's office at USC and learned that he will arrive in San Francisco on the overnight "Lark" at 8:30 a.m. on March 20th, stay at the Mark Hopkins Hotel, hire a car, and that he and Mrs. Topping will come over to Berkeley, attend the lunch, ceremonies, reception and banquet. Stan McCaffrey will escort President Topping in the procession.

I sent letters to Assemblymen Don Mulford, Jerome Waldie and Gordon Winton, Jr., delegates to the Charter Day ceremonies on March 20th, saying that in view of the fact that they cannot attend the 10 a.m. reception, I am looking forward to greeting them at a reception to be held directly after the ceremonies in the Court of Honor at the rear of the stage of the Greek Theatre and am pleased that they will be able to attend the lunch, the ceremonies and the banquet. A letter from State Assemblyman Nicholas C. Petris informs me that he and Mrs. Petris will join us at the Charter Day ceremonies in the Greek Theatre and the banquet in San Francisco the day and evening of March 20th.

I sent letters to Charles V. Eckert and Susan Waltal Straubel appointing them as members of the Student Judicial Committee to replace Al L. Madian and Archer V. Pugh, who have resigned.

Another letter went to Professor H. J. Emeleus (The Chemical Society, Burlington House, London, England) expressing pleasure for the Council's decision to nominate me for election to the Honorary Fellowship of The Chemical Society, which I say I shall be happy to accept.

A memorandum from Doug Chrétien attaches the loyalty oaths that are signed by all Berkeley faculty on general assistance and salary roll forms, the forms signed by those involved in government contracts with classified research, the National Defense Education Act oath and the National Science Foundation oath. It is clear that the National Defense Education Act oath, over which there is so much furor, is no more onerous than the other oaths signed by faculty and University employees.

A letter from AEC Chairman John McCone is in reply to my letter to him of February 9, 1959, regarding the handling of visits by Soviet nationals to the Lawrence Radiation Laboratory. He describes the system by which access to facilities in the United States is based on whether or not comparable access to facilities in the Soviet Union are available to our scientists. He said that rapid action on requests for visits can be made by transmitting the request for visit through Mr. Shute to Washington and this procedure was not followed in this case.

A letter from Sigvard Eklund (Artiebolaget Atomenergi in Stockholm, Sweden) says that Bengt Feldreich (Swedish Broadcasting system) is going to visit Berkeley in the near future and would like to have a talk with me. I immediately wrote Feldreich, saying that I would like to meet him and suggesting that he call my office upon arrival in Berkeley.

I presided over a meeting of my Cabinet in the Chancellor's Conference Room beginning at noon. Present were Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes. We agreed that the Indian Ambassador should be invited to speak at a University Meeting the last part of April, that other audience-drawing events or speakers should be added to the program, and that Vice Chancellor Hart will preside if I am out of town.

I reported in some detail on the meeting of the CCCO that was held last evening.

We discussed the unauthorized rally by SLATE, which has been referred to the Committee on Student Conduct and decided that Austin MacCormick should serve as Chairman of the Committee, replacing Stone for this particular hearing because Stone is a participant in the case. The purpose is to determine whether any University rule has been violated. We also discussed my response to Besig's letter (to which a reference was made in today's Daily Californian) and decided that this will include our statement concerning the whole mess.

Beginning at 1:30 p.m. in Room 221 Sproul Hall, I attended the meeting of the Committee on Grounds and Buildings of the Regents. Present were Committee members Merchant, Boyd, Hansen, Hearst, Pauley, Storke, McLaughlin and Kerr, as well as Regents Canaday, Mosher, Olson and Watson, and also Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Medical and Health Sciences Stoll, Controller Kettler, Dean Aldrich, Chancellors Freeborn and Spieth,

Provost Saunders, Director Revelle, Acting Chancellor Knudsen, Vice Chancellor Young, Associate Director of University Extension Kaplan, Assistant Vice President Oswald, Engineer Weaver, Architect Evans, Dean Wurster, Maynard Morris of the Office of Public Information and Mrs. Elizabeth O. Hansen.

The Committee discussed and approved the building and site for the Berkeley High Current Cyclotron. The estimated cost of the cyclotron and building is $5 million, of which the cost of the building is estimated to be $1.1 million. I pointed out that the site west of the Gate House in the Radiation Laboratory hill area has been chosen because a large number of graduate students will be working there and it is thought advisable to locate the building within walking distance of the main campus.

Ed Pauley noted that this site is one of the two remaining sites that might be considered for the location of the EOL Memorial building for which the plans are now envisioning a project of approximately $10 million. I indicated that it is doubtful that this site could accommodate the Lawrence Memorial and Pauley agreed that if the site could not be expanded to seven acres, it could not be used for the memorial and, therefore, the only other site for the memorial would be at the top of the hill in the vicinity of the present water tank.

After the meeting of the Building and Grounds Committee, I accompanied the Regents to the Radiation Laboratory for a program in the auditorium and a short tour.

Clark Kerr and I made introductory remarks describing the history of the Laboratory, beginning with Ernest Lawrence's invention of the cyclotron. In introducing me, Kerr said,

> "He is our well-known Nobel Laureate and Chancellor, who plays hookey from his new job to continue as an Associate Director of the Laboratory."

I described the work and contributions of Director Edwin McMillan, who unfortunately could not be present today because he is visiting the Savannah River plant in South Carolina on business. I then introduced Ed Teller, describing his contributions as "Father of the H-Bomb", then described the work of the Chemistry group under Perlman, then introduced John Lawrence who described the work in the use of radioisotopes in the diagnosis and treatment of disease. Next I introduced Luis Alvarez with a description of his many contributions, after which he described the work that he and his group are carrying on, including their recent discovery of the new particle, his work with the bubble chamber, and so forth. I then made some concluding remarks, after which we made a short tour, including the Bevatron area.

In this afternoon's Oakland Tribune there is a piece entitled "U.C. to Install Dr. Glenn Seaborg as Chancellor in Charter Day Ceremonies March 20". Another article in the Tribune is headlined "Berkeley Told Campus May Spread Further Into City", which quotes University Liaison Committee Chairman John Burd as expressing the opinion that the intrusion of the campus into Berkeley's development areas is biggest source of continued conflict between Berkeley and UC.

In the evening Helen and I attended a dinner along with the Regents and University officials in honor of Governor Brown at the home of Clark and Kay Kerr.

Lord and Lady Plowden were also present. He has recovered from his indisposition that had prevented him from participating in the program we had set up for him last Monday. His visit to the Radiation Laboratory, a luncheon at the Pacific Union Club and a dinner at the Hotel Claremont in his honor all had to be cancelled.

I had the opportunity to speak with Governor Brown on a number of topics. He asked me for ideas on improving teaching in California schools and how he could be helpful. I told him that the Number One issue is to provide tougher curricula all the way through. If I get any ideas, I am to let him know and I should talk with Louis H. Heilbron and Tom Braden (his appointees to the State Board of Education) on Saturday at the Joint Meeting of the University of California representatives and the State Board of Education at Alumni House.

I told the Governor that California is bringing up the rear in educational television, saying that Florida has an educational television commission and that California is not even ready to use federal funds when they become available. Lieutenant Governor Glenn Anderson heard this and made a note of it.

Ed Pauley and I told the Governor about the plans for the Lawrence Memorial--a $10 million project with a strong science teaching aspect. We said that it will have travelling exhibits with the cooperation of the state colleges, that it will have a national impact, and will be situated on the top of the Radiation Laboratory hill with a marvelous view. The building is estimated to cost $7.5 million, leaving $2.5 million for exhibits and so forth. We said that it would be our hope that the $7.5 million would come from the state and federal funds and we requested Brown to give us back the overhead from the AEC support of the Radiation Laboratory to contribute to the state portion of the fund. Kerr joined us at this time and he asked Kerr if he agrees to the importance of this project and Kerr said he agrees. The Governor seemed to be favorably inclined to the project but indicated that it might take some time to help in the funding as he does not want to be known as a "profligate governor".

Ed Pauley accompanied Helen and me on his way back to his hotel, which gave me an opportunity to talk with him. I mentioned my idea for satellite campuses at UCLA and Berkeley and he said that he agrees, indicating that he thinks this would be better than expanding at La Jolla or starting a campus in Orange County.

Friday, March 13, 1959

When I arrived at my Dwinelle Hall office this morning, Kitty showed me a copy of today's Daily Californian which includes an article with the headline "Impromptu Noon Rally Supports SLATE" and the subheading "Meet Protests Proposition C Rally Ban". This article includes a picture taken at Sather Gate of the SLATE rally, which includes a University police car in plain sight. The article states that a crowd of over 200 people heard Bob Martinson (Socialist candidate for Berkeley mayor), Cindy Lembcke (Chairman of SLATE), Dave Armor (ASUC Representative-at-Large), Carey McWilliams and assorted students, most of them members of SLATE. The speakers criticized the so-called banning of the two rallies (the first to promote Proposition C concerning housing discrimination in Berkeley, the second to protest the ban

on the Proposition C rally) and the purported recent University action to prevent the taking of stands on off-campus issues by University recognized groups. Speakers claimed that this was an "ad hoc committee" meeting by an unorganized group and, therefore, did not have to have the approval of the Dean of Students Office, as a SLATE rally would have. They admitted that the meeting had no such approval.

Another story is headed "Stone Issues Statement on Noon Rally" and goes on to say that Dean of Students Hurford E. Stone has issued a statement on the noon rally held yesterday at Sather Gate by the "Ad Hoc Committee for Student Freedom of Speech", saying that the incident is being referred to the Faculty Committee on Student Conduct for investigation and report to the Chancellor. Austin MacCormick will take Dean Stone's place as the Chairman of the Committee for this investigation.

I signed a number of letters before going to the meeting of the Regents in Sproul Hall. One to Clark Kerr points out that, in keeping with the policy proposed by the Library Committee's Subcommittee on Resident Hall Collections, an amount of $16,100 will be required in the current year to provide a starting collection of 375 volumes for the libraries in each of the eight units of the two new residence halls. I propose that money for this purpose be taken out of the André Poirier Fund for this year.

A letter went to Horace Barker (Biochemistry and Virus Laboratory) congratulating him on the receipt of the Carl Neuberg Award for 1959 from the American Society of European Chemists, which was presented to him at the Rockefeller Institute for Medical Research in New York on Wednesday for his work on the isolation of a new biologically-active co-enzyme, closely related to Vitamin B_{12}.

I wrote to Jerris E. Strain (President, Delta Phi Epsilon) regretting her invitation, which was joint with the Association of Women in Foreign Affairs at Berkeley, to attend the Eleventh Annual Student World Affairs Conference on the Berkeley campus this weekend; I enclosed a statement of greetings to the delegates from various California colleges and universities which congratulates them upon their efforts to build interest in and knowledge of the foreign relations in our country.

Another letter went to Carlisle H. Humelsine (Colonial Williamsburg, Williamsburg, Virginia) in response to his letter inviting us to send students to the 1959 Williamsburg International Assembly to be held on June 7th. I said that I am referring this matter to Allen C. Blaisdell (Foreign Student Advisor for the Berkeley campus) who will try to come up with some students who could attend, despite the fact that this date conflicts with our final examination schedule.

I responded to a March 9th letter from Ronald Walpole (French) regarding space for his department in Dwinelle Hall. I suggested that he keep the Dwinelle Hall Subcommittee (Blake Spahr, Chairman) as well as the Committee on Space Utilization (Madison Beeler, Chairman) fully informed of his department's needs.

I read several memoranda from Lincoln Constance. One describes his March 6th meeting with Leo Postman (Chairman of the Department of Psychology), who said that he plans to be away this spring, with Mark Rosenzweig acting as Chairman for him and if the Miller appointment comes through, he would like to give up his chairmanship as of June 30, 1960.

Postman complained about the power of the Committee on Committees and the Educational Policy Committee, which has made his chairman's title a little anomalous.

Another memorandum describes his meeting on March 6th with Sherburne Cook (Chairman of the newly-formed combined Department of Anatomy-Physiology). He would like to apply for a two year fellowship in the Miller Institute, which would mean that he would have to be replaced as Chairman. Lyon Chaikoff would be a possible replacement; he believes Nello Pace should not be considered because he would be too domineering and another possibility would be C. Willet Asling, if he could stand the punishment from Pace. Constance thinks that the Anatomy-Physiology semi-union as at present cannot work; perhaps the addition of the Medical Physics Department would make it viable but he believes that John Lawrence would stand in the way of such a merger. He believes that Hardin Jones, if he were not involved in the Institute of Human Development, would be an excellent chairman.

A third memorandum describes his March 6th meeting with Fred Harris (Dramatic Art); Harris wants to be replaced as Chairman. Dean Constance told him that he and I have decided not to appoint Travis Bogard to this position at this time because it would jeopardize his academic career to be tied up with administrative work and, therefore, Constance asked Harris to continue as Chairman on a year-to-year basis until a replacement can be found for him.

I then walked to Sproul Hall to attend a meeting of the Committee on Finance of the Board of Regents, starting at 10 a.m. Present were Committee members Pauley, Hagar, Boyd, Mosher, McLaughlin and Kerr, and Regents Anderson, Canaday, Hansen, Hearst, Naffziger, Olson, Storke and Watson, as well as Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Medical and Health Sciences Stull, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellors Freeborn and Spieth, Provost Saunders, Director Revelle, Acting Chancellor Knudsen, Vice Chancellor Noble, Vice Chancellor Young, Associate Secretary Woolman, Assistant Vice President-Business Affairs Miller, Assistant Vice President Oswald, Engineer Weaver and Associate Director Kaplan.

Of special interest to me was their action on graduate student housing. The Committee authorized the Treasurer of the Regents to file a request for reservation of funds in the amount of $8,750,000 with the Community Facilities Administration of the Housing and Home Finance Agency for the purpose of financing 100% of the cost of construction of 500 married student apartments on the Berkeley campus, 300 married student apartments on the Los Angeles campus, and 75 married student apartments on the Davis campus. In discussing available land for the projects, the President advised that in Berkeley there is land available on the Gill Tract.

After the adjournment of the Committee on Finance, I went to the Faculty Club, where I presided over a luncheon meeting of the Special Committee on the Ernest O. Lawrence Memorial. Present were members Regent Gerald H. Hagar, Regent Donald H. McLaughlin, Director Edwin M. McMillan and Regent Edwin W. Pauley, as well as Lt. Governor Glenn M. Anderson, Speaker of the State Assembly Ralph M. Brown, William B. Fretter, Vice President, Secretary and Treasurer of the Regents Robert M. Underhill, and Lionel O. Viales.

Viales reported on his extensive investigation of Halls of Science during his travels in both this country and Europe and informed the Committee that he will soon be sending a detailed report of his interviews with directors and tours of facilities. He also shared quite a number of recommendations with the Committee; foremost among these was his recommendation that the size of the project should be enlarged. He observed in his travels that the success of such institutions in their educational programs depended on their being larger than a certain critical size.

This recommendation and several others were discussed at some length. Pauley supports the enlarged size of the project and suggested that the preparation of travelling exhibits on scientific subjects for use throughout the state (and possibly, nationwide) be added to the objectives.

McLaughlin also expressed his support, emphasizing that provisions should be made for the re-training of public high school teachers at the Hall. I stressed the important role that such an institution could play in educating the non-scientific public on the modern scientific ideas so important in the world today.

The cost of the building, which would contain 200,000 to 250,000 square feet, would be about $7.5 million and the exhibits are estimated to cost about $2.5 million. The annual budget was estimated at $750,000 to $1 million. Pauley suggested that some of the $2 million received annually from the Atomic Energy Commission overhead could logically be used for the building since it was Ernest Lawrence who was responsible for the AEC development at Berkeley, starting with his cyclotron work. Pauley considered that in this way the University, together with the federal government through the AEC or the NSF--perhaps with special congressional action--might contribute a substantial fraction or all of the cost of the building; the $2.5 million might be sought from industry for construction of exhibits.

I added Ed Carter, Edward Heller and Bob Underhill to the Finance Subcommittee, of which Pauley is Chairman. McLaughlin was asked to appoint Underhill to the Committee.

The question of site was discussed. The original suggestion, which was to place the building just north of Hearst Avenue across from Stern Hall, was rejected since the land area available is too small. Two other sites were suggested, one at the top of Radiation Hill and the other on Chaparral Hill in the same general Berkeley hills area. Relationship to the Lawrence Radiation Laboratory and the importance of access to the establishment were stressed in the discussion. Large numbers of visitors, adequate parking for cars and buses, and an inspiring setting were other factors considered. No decision was made on the site, but further consideration will be given to this aspect of the project as soon as possible.

It was decided to present the new concept of the EOL Hall of Nuclear Science to the Board of Regents at its meeting of March 13th (today) for reactions and suggestions, as a progress report of the Committee. This was done, and the reaction of the Regents seemed favorable although no action was taken. Regent Canaday expressed the view that no major public announcement of the project should be made until further studies by the Committee indicate that the financing of such a project is practicable.

Chairman McLaughlin was requested to ask the following (in addition to Underhill, mentioned previously) to serve on the Committee: Stephen Bechtel and Frank Pace. Ed Pauley also raised the question as to whether Senator Clinton Anderson and Congressman Chet Holifield should be asked to serve as members of the Committee, but no action was taken on this latter possibility.

Starting at 2 p.m. I attended the meeting of the Full Board of Regents in Sproul Hall. Present were Regents Anderson, Boyd, Brown, Canaday, Hagar, Haggerty, Hansen, Hearst, Kerr, McLaughlin, Merchant, Mosher, Naffziger, Olson, Pauley, Storke, Sullivan and Watson, as well as President of the Alumni Association Mortimer Smith, Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Medical and Health Sciences Stow, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellor Freeborn, Acting Chancellor Knudsen, Provost Saunders, Vice Chancellor Noble, Director Revelle, Dean Aldrich, Associate Secretary Woolman, Assistant Vice President-Business Affairs Miller, Assistant Vice President Oswald, Associate Director Kaplan, Engineer Weaver, Architect Evans, Professors Kidner, Lazier and Bromley, Maynard Morris, and some newspaper representatives and guests.

President Kerr introduced Professor Leroy Bromley (Chemical Engineering) who discussed his work in the field of water conversion, including a description of the device he has invented for the conversion of sea water into usable fresh water and its prospects for the future.

During the subsequent part of the meeting, after members of the faculty and Maynard Morris, the newspaper representatives and guests left, I gave a report for my Special Committee on the EOL Memorial. I began by introducing the staff which is working with the Committee: William Fretter (who is acting as Secretary) and Lionel Viales (who is the full-time coordinator for the project).

I said that the Hall of Science, as now envisaged, will be a combination demonstration facility and educational facility and in addition to the dynamic exhibits, will provide a means for teaching and upgrading science teachers in the state and for instruction of students in subjects supplementary to the science courses offered in the schools.

I said that the matter of the site is still an open question, though thought is being given to a location above the Radiation Laboratory overlooking the whole Bay Area.

I estimated the cost of the project to be on the order of $10 million, of which perhaps $7.5 million would represent the cost of the building itself and $2.5 million, the cost of exhibits. Regent Pauley said that the University each year receives about $2 million as a management fee from the Atomic Energy Commission and it is his understanding that this money was intended to advance science and it seems to him most appropriate that it be used for the Lawrence Memorial. He added that Governor Brown has been made acquainted with the proposal to use AEC management fees for this purpose and his response was favorable.

I suggested that Bob Underhill be added to the membership of our Special Committee and Ed Pauley suggested that Frank Pace (General Dynamics) also be added and that Stephen Bechtel (Bechtel Engineering) and James Black (PG&E) be considered for membership. It was decided that there shall be no publicity in regard to site or funding or other matters on which final decisions have not yet been reached.

After the meeting, I went back to my office to pick up my papers for my evening reading at home. When I returned home, Helen told me that she visited her dentist today, Dr. Arthur Jensen (whose office is at the corner of Ellsworth and Channing in Berkeley) for teeth x-rays and dental work, a routine checkup.

I was disappointed that the heavy demands of the Regents Meeting and the joint meeting with the State Board of Education tomorrow, together with the load of paperwork from the Chancellor's Office and preparations for my inauguration, make it impractical for me to take time to go to the basketball playoffs at the Cow Palace tonight and tomorrow. I consoled myself by listening to tonight's game on the radio as I worked in my study on Chancellor's Office papers.

In Kitty's folder there was a memorandum from Clark Kerr, asking me to deliver a brief speech at the dedication of the Strawberry Canyon Recreational Area at the luncheon on March 20th to be held in the Haas Clubhouse. I made a note to Anna Carol to indicate my acceptance and to ask Russell Millar to get together some data for me.

A memorandum from Bill Keeler, in response to mine of March 9th, indicates that he will be happy to include Vice President Tom Cunningham among those to receive minutes of the meetings of the Athletic Advisory Board.

A memorandum from Leo Brewer, Ed McMillan, Earl Parker, Ken Pitzer, and Alan Searcy proposes that an "Inorganic Materials Laboratory" be established on the Berkeley campus with a director and possibly three associate directors, with faculty members in Chemistry and Mineral Technology expected to be the primary leaders of the research, but participation expected from faculty in Chemical Engineering, Physics and possibly Electrical Engineering, Geology and other departments. It is hoped that financial support for this laboratory will come from the Atomic Energy Commission and that it be organized as a major division of the Lawrence Radiation Laboratory. A new building of possibly 30,000 square feet would be desirable, to be located in the Berkeley Radiation Laboratory area.

A memorandum from Harry Wellman confirms the establishment of Radiation Laboratory Director Ed McMillan's salary as $25,500, in accordance with the Regents' action of last September, with $20,000 to be borne by University funds and the $5,500 by the AEC.

A letter from Alfred Tarski (Mathematics), addressed to Lincoln Constance and me, reminds us of the impending visit to our campus of Mr. and Mrs. Tadeusz Kotarbinksi of the University of Warsaw. He is President of the Polish Academy of Sciences, Professor of Philosophy at the University of Warsaw and former Rector of the University of Lodz, while she is Chairman of the Department of Philosophy and Social Sciences at the University of Warsaw. We shall certainly want to do something special in recognition of the visit of such eminent scholars and I shall ask Gertrude and Ed Strong to host a dinner at the Faculty Club in their honor which will include a number of eminent scholars on this campus and their wives.

A letter from Vic Schmidt asks whether I could arrange a meeting for him with Clark Kerr when he is in Berkeley some time week after next, between March 23rd and March 27th. This relates to my efforts to find a position for Vic in the University of California.

A letter from Robley Williams (Associate Director of the Virus Laboratory) asks for my help to upgrade the visa of Armin Hermann Ramel, at present a Research Investigator in the Virus Laboratory on a fellowship from Switzerland, to a permanent resident visa so that it will be possible for his wife to be gainfully employed.

A memorandum from Charles Jones (Chairman of the Academic Senate Committee on Educational Policy) states that this committee has examined the proposal of the Committee on Space Sciences for the establishment of a Space Sciences Laboratory on the Berkeley campus and heartily endorses that proposal. He said that the Committee also is requesting Kerr to appoint a university-wide committee to study and make recommendations on the administrative relationship of the Laboratory at Berkeley to the proposed Institute at Los Angeles.

A memorandum from Robert F. Heizer (Chairman of the Berkeley Committee on Research) informs me that the Committee has exhausted its funds for 1958-59 for graduate student research grants and asks if it would be possible to make available a supplementary grant from the University Patent Fund income in the amount of $4,000.

A memorandum from Charles Dalziel (Chairman of the Disaster Preparedness Committee) in reply to my letter of March 3rd, reports briefly on the work of the Committee, and suggests that the present committee be reappointed for the next academic year, with the exception that Marvin Wells replace J. W. Hutchison. I made a note to Anna Carol to call Dalziel to express my thanks.

A similar memorandum from David A. Alhadeff (Chairman of the Administrative Committee of the Bureau of Business and Economic Research) in reply to my letter of March 2nd, reports on the activities of this committee during the last academic year and suggests that Richard E. Caves (Economics) be reappointed to the Committee for the year 1959-60 and because he (Alhadeff) will be on sabbatical leave during the Fall Semester of 1959-60, he recommends that he be replaced as chairman for the entire academic year 1959-60.

Also included in Kitty's folder is the program for all the events that will take place in the Strawberry Canyon Recreational Area during the week of March 13th-20th.

In Jim Hart's folder there was a memorandum summarizing the planned attendance of state legislators at Charter Day. As plans now stand, the following will be at a lunch or the Charter Day ceremonies: Assemblymen Allen, Crown, Lowrey, McBride, Mulford, Petris, Waldie and Winton; Senators Holmdahl, Slattery, Cobey, Coombs and Rodda.

Another memo from Hart suggests the use of the Riviera campus in Santa Barbara as the site for an Institute for the Humanities.

Another memorandum relates to the controversy between Berkeley and UCLA over the site for a statewide center for African Studies. Kerr has indicated that this should be at UCLA but there is some feeling that the Institute for International Studies at Berkeley also wants to be involved in this area in a separate program. The argument for this is summarized in a memorandum to me from Thomas Blaisdell, Jr. (Executive Secretary of the Berkeley Institute for International Studies) and a memorandum from Hart says that Arnold Rivkin came to see him at the suggestion of Tom Blaisdell with an interesting suggestion.

Rivkin is Director of the African Economic and Political Development Project at MIT and is now representing the ICA; he wishes to know if Berkeley would be interested in participating in a program to train ICA career men at the technician level in the age bracket 35-45 for work in a Sub-Saharan African area. He would need a statement by March 18th of our degree of interest.

Another memorandum from Hart attaches a memorandum from Donald Coney (Chairman of the Committee on Drama, Lectures and Music [DLM]), summarizing for me, as speech material, the contributions that DLM, to be renamed the Committee on Art and Lectures (CAL), make to the intellectual and cultural life of the campus.

In Errol Mauchlan's folder I found a letter from Kerr to Edward Heller, asking that the terms of the Heller Anonymous Fund be changed in order to facilitate its administration. He asks that the Fund be dispensed by a committee consisting of the Chancellor of the University of California at Berkeley and his designated representative or representatives and the chairman of the academic department concerned.

In another memorandum Mauchlan tells me that the report "The University and the City" is now ready for distribution to members of the Berkeley City Council, Planning Commission, Chamber of Commerce, Liaison Committee and other appropriate dignitaries.

In his folder Milton Chernin includes a memorandum to me describing his interview with James J. Whitney, candidate for the City Council of Berkeley. Chernin believes that he would be friendly to the University. He gave him a copy of our publication "The University and the City".

The California Bears defeated Utah, 71-53. They forced the Redskins into errors and jumped to a 42-27 half-time lead. The Redskins, however, managed to cut the Cal lead to six points at 44-38 before Al Buch made two quick field goals and Denny Fitzpatrick came through with a 15-foot jumper. From there on out it was all California.

Saturday, March 14, 1959

I drove to the Alumni House on the Berkeley campus and attended a joint meeting, starting at 10 a.m. and running through lunch at the Durant Hotel and into the afternoon, of the University of California Board of Regents and the State Board of Education.

The meeting was opened by Donald McLaughlin (in his role as host and Chairman of the UC Board of Regents) and it was chaired by William L. Blair (President of the State Board of Education). A statement from Governor Pat Brown was read by Ralph Richardson, who is on leave from UCLA and is the Governor's representative on education, also serving on the Los Angeles Board of Education.

Mrs. Dorothy Donahoe of Bakersfield (Chairman of the State Assembly Education Committee) made a statement in which she said that bills establishing new state colleges are being held in abeyance pending settlement of some problems. She also mentioned the pending bill for establishing a new board over the state colleges, which are now under the State Board of Education.

Kerr made a statement illustrated by charts on population growth and student numbers and so forth, emphasized the cost question, and asked whether we could

continue tuition-free education, mentioning the possibility of the University of California expanding to new campuses in San Diego, Orange County, Central Coast area, and possibly San Joaquin area, San Francisco and Los Angeles and in the neighborhoods of the Berkeley and UCLA campuses.

State Superintendent of Public Instruction Simpson read a prepared statement, which to our surprise included a priority list for places where new state college campuses might be added. This sort of list should have gone through the Liaison Committee of the Regents and the State Board of Education before being publicly released.

Ed Pauley read from a prepared statement a summary of the history of the coordination of higher education in California and State Senate Speaker Brown made a statement analyzing the advantages and disadvantages of the voluntary liaison system.

Raymond J. Daba (State Board of Education) tried to promulgate a substitute motion in place of the prepared drafts of agreed-upon resolutions that would have eliminated the two year moratorium on new campuses for the University of California and the state colleges.

Kerr said that this should be taken up by the Liaison Committee and this was passed in the form of a motion. In order to be specific about this, Kerr moved that new campuses not already authorized referred to by Simpson in his remarks be referred to the usual machinery, including the Liaison Committee and this was seconded by Simpson and passed unanimously.

Donahoe expressed the wish that legislators could be involved in these considerations and after some discussion, it was moved by Regent Hagar that the Liaison Committee hold a meeting in Sacramento some time before April 15th, at a time to be set by Kerr and Simpson and this motion passed.

At the conclusion of the morning session at the Alumni House I talked to Louis Heilbron (who is also on the International House Board as well as a new appointee to the State Board of Education) and passed on to him, as I had promised Governor Brown that I would do, my advice to introduce tougher curricula all the way through the California school system.

During our luncheon at the Durant Hotel I talked to Bert Levitt (State Director of Finance) and told him about the planned program for the Ernest O. Lawrence Memorial and our proposed method of financing, including the proposed use of some Radiation Laboratory overhead funds. I asked him to talk with Ed Pauley, who is the Chairman of the Subcommittee on Finance of the Committee on the EOL Memorial. I learned that following my conversation with Governor Brown, Ed Pauley and Clark Kerr on this at the Kerr home on Thursday night, Governor Brown had talked with Levitt, who had then called Kerr to suggest that I discuss it with him (Levitt).

When we returned to Alumni House after lunch to continue the meeting, I talked to Ed Pauley who told me that Kerr had talked to Levitt during the lunch hour about the Lawrence Memorial and had told him that the Radiation Laboratory overhead ($2 million) for 1959-60 was committed, but that Levitt agreed to the use of the Radiation Laboratory overhead ($2.1 million) for 1959-60 for the Lawrence Memorial.

During the afternoon, as the discussions continued, it was agreed that the University of California not make any specific plans for additional campuses beyond three specified additional campuses for a period of three years and that the state colleges stop at four campuses before additional campuses are approved after two years.

After the meeting, at 3 p.m., in a conversation with Pauley, I expressed my concern that today's conclusions force us to the "hinterland" path for expansion as opposed to the expansion of Berkeley and UCLA via a satellite campus route. Pauley thinks that this will not preclude our purchase of the Mira Vista Golf Club as a possible site for a satellite campus. I discussed this with Kerr, too, and expressed to him the same concern. He said that he thinks that the expansion of Berkeley (and hence the purchase of Mira Vista) isn't precluded, although he doesn't necessarily agree with this satellite campus approach.

At 3:50 p.m. at Alumni House I had a long conversation with Clark Kerr, discussing some 18 items.

1) I told him about the proposal by Rivkin of the African Division of the ICA that we train some 40 technicians per year in Sub-Sahara anthropology, political science, economics, geography and so forth; he said it's okay to go ahead with this.

2) I mentioned my plans to take a vacation in July and indicated that I will place a vice chancellor in charge during my absence.

3) I told him about George Mehren's offer of $18,000 from Harvard and that we will probably lose him; Kerr agreed that we probably can't keep him at this price.

4) I told him about the problem of a chairman for the Department of Speech; he recommends Leo Lowenthal and suggested that I consult Marty Lipsett, who knows Lowenthal well.

5) I told him about my plan to write Governor Pat Brown in regard to the poor state of educational television in California; he said okay but I should send a carbon copy to Jim Corley.

6) I told him about the search committee on a new dean for the College of Engineering, which recommends John Whinnery; he also wants us to consider Earl Parker and said Howard Gotaas would be especially good. I mentioned Toni Oppenheim's view that we should delay action and Kerr thought this might be the best course of action.

7) I asked him about what his policy on stipends for deans had been when he was Chancellor; he had no special advice to give except that I should not get them too high.

8) I passed on to him Jim Hart's idea to use the Riviera campus in Santa Barbara for an Institute for the Humanities.

9) I asked if he could see Victor Schmidt during the week of March 23rd-27th about a possible position with the University of California and he said that he will try.

10) I asked for a copy of the notes that he used for his talk today and he said that he did not use any that would be of any use to me.

11) I mentioned our concern regarding the need to thoroughly brief people who go to testify in Sacramento regarding matters like the budget.

12) I mentioned the suggestion by James Caldwell that he or I issue a statement including the thought that although we are participating in the NDEA loan program, we won't necessarily do so indefinitely if the oath provision persists.

13) We discussed his conversation with Levitt and Pauley today regarding the Lawrence Memorial and he gave me some additional information; he said Levitt didn't make a definite commitment, but seemed favorable towards using the Radiation Laboratory overhead for each of the three years 1960-61, 1961-62, and 1962-63 ($2 million each year).

14) I briefed him on the Berkeley Space Sciences Laboratory situation; he had not seen my letter yet, but agrees in general, although he may want us to support the UCLA effort through our Laboratory. He is tending away from having statewide projects and would rather have projects on an individual campus and this campus would then help other campuses in their efforts in that area, if any.

15) He said he will attempt to bring the Ross Report on Non-Academic Personnel to the April Regents Meeting.

16) I told him about University of Washington President Charles Odegard's concern over financial aid to athletes and his desire to go more toward a "free ride" program. Kerr said he has been trying to get Norman Topping of USC and Odegaard to agree on a date for a meeting (of AAWU institution presidents) to discuss such matters.

17) I complained about the tendency to equalize Berkeley and UCLA and that we think that the student-faculty ratio considerations should be department-by-department.

18) He says that he would like to have Garff Wilson work 100% for us on the Berkeley campus, but I said that we will need more help than this. Kerr said that perhaps Connie Wilson could be assigned to help Errol Mauchlan.

At home in my study during the evening, while listening on the radio to the basketball game being broadcast from the Cow Palace, I read a memorandum from Ralfe Miller (Chairman of the Fraternity Affairs Advisory Board) in response to my memorandum of March 3rd. He suggested the inclusion of the president or representative of the Interfraternity Mothers Council as a member of his Board would be of real value to his Board's deliberations.

A similar memo from Helen M. Worden (Chairman of the Administrative Committee on Living Accommodations) suggested that student members be appointed during their junior year so that they may be available to serve for two years and included a list of members that she recommends should be re-appointed and a list from which a new member could be chosen.

A memo from Andreas Papandreou (Chairman of the Department of Economics) regarding the Bureau of Business and Economic Research, in reply to my

memorandum of March 3rd, suggests that Richard Caves be replaced by Philip W. Bell. He said that he and Dean Grether will make a joint recommendation to me for a successor to Frank Kidner, who has submitted his resignation as Director of the Bureau, and says that since Aaron Gordon will succeed him as Chairman of the Department of Economics on July 1st, he should replace him as ex-officio member of the Committee.

Ralph Smith (Chairman of the Committee on SCUBA) reports on the work of that committee and recommends the reappointment of the present members, consisting of Frederica Bernhard, Hugh Bradner, Lance Flanagan, F. R. Ingram, Nello Pace and J. C. Reidenbach.

A memorandum from Richard Crutchfield (Co-Director of the Institute of Personality Assessment and Research) says this Board has been highly effective and indicates that the present members could be reappointed, but since this may not be possible in every case he has been in touch with Co-Director Donald MacKinnon by mail concerning recommendations for replacement. (Crutchfield is writing from the Institute for Advanced Study at Princeton where he is on leave.)

A memorandum from Curt Stern in reply to my request of March 3rd concerning the Advisory Board for the Institute of Personality Assessment and Research describes the work of that committee and suggests that he be replaced as Chairman by Thomas R. McConnell and as a member by R. E. Dempster (Genetics) and that Sanford A. Mosk and Ross be replaced by Michel Loeve (Statistics) and by R. H. Crede of the San Francisco campus.

A letter from Mary R. Haas (Chairman of the Committee on the Language Laboratory) recommends that the Committee on the Language Laboratory should function as a subcommittee of the Foreign Language Council.

California became champions of the west by a resounding 66-46 victory over Saint Mary's College. The Bears rushed to a 31-18 half-time lead as their tough defense held the Gaels to but seven field goals in the first half. The Gaels managed to pull to within eight points at 43-35 at the end of the third quarter, but Dalton, McClintock and Fitzpatrick zoomed the score to 53-37. Four Bears scored double figures with Fitzpatrick providing 21 big points. Imhoff was named Most Valuable Player for his outstanding performance. He outrebounded St. Mary's rebounding ace Tom Meschery 15 to 8 and held him to but two field goals. The Bears are scheduled to leave tomorrow night for Louisville, Kentucky.

Sunday, March 15, 1959

I received a phone call at my home from Frank Kidner at 10:30 a.m. I told him that he can assume that Kerr won't call a meeting of the presidents of potential institutions who might be members of a national athletic conference before the April 15th meeting of the IAAC and probably not thereafter and Frank can so inform the AAWU members at their meeting late this month.

He reiterated that the Tournament of the Roses still intend to have the AAWU as the Western component of the new Rose Bowl agreement (in spite of the recent negative vote of the faculty of Ohio State University, who do not want the Big Ten to be part of such an arrangement) and we agreed that the AAWU should announce publicly their plan to participate thus in the Rose Bowl at

the meeting late this month.

We agreed that the question of an Executive Officer for the AAWU is urgent and we discussed the three leading possibilities--Bill Perry (whom I vetoed), Bill Reed (Assistant Commissioner for the Big Ten, not a candidate personally and a man about whom I have doubts), and a Thurlo McCready of Kansas State (about whom I have doubts).

Kidner told me that he has a problem of a conflict in the meeting times of the Statewide Coordinating Committee on New Buildings in Los Angeles and his proposed appearance in Sacramento before the full Assembly Ways and Means Committee on Finance and that Vice President Harry Wellman will have to resolve this. The latter meeting is especially important because it will discuss the questions of raising student fees and the increases of salary for the faculty. I told him that the latter meeting is important and recounted our recent cases where we would have had to offer more than what is paid to the highest paid man in Berkeley to get or retain people. I acknowledged the importance of the Statewide Coordinating Committee on New Buildings and that he should be thoroughly briefed by Sandy Elberg before going to this, because we have so much at stake.

I told him that it would be all right to write a letter to Ray Kettler (with a carbon copy to me) suggesting a new budget number for the Indonesian Project so that it could be removed from the Bureau when Kidner leaves as Director on July 1st. I told him that we have asked the Budget Committee to submit a panel of names for a new director of the Bureau and this list should include candidates from the School of Business Administration. Kidner said that a name of a member of the Committee of the Bureau should also be included on the panel.

I spent a good part of the day practicing my speech for my inauguration this week and generally reviewing the plans for this and Charter Day.

Monday, March 16, 1959

Due to my busy schedule this week, I skipped my usual Monday morning visit to the Rad Lab and went directly to my Chancellor's Office in Dwinelle Hall. I will attend the noon meeting, but needed to take care of some things on campus first. I sent a letter to Clark Kerr, forwarding the recommendation from the Acting Chairman of the Department of Music, strongly endorsed by Lincoln Constance, recommending the redeployment of 1959-60 funds to support the temporary initial stages of an opera workshop program, which would include the appointment for one year of Jan Popper of UCLA as General Director, adding my strong endorsement of this plan.

Another letter went to Kerr, recommending a small temporary increase in the FTE regular faculty budgeted to the Department of Philosophy to accommodate the large increase in teaching load in the present year. I endorsed the recommendation of William R. Dennes, which has Constance's strong approval, of the appointment of a visiting assistant professor, Mr. Hintikka, a brilliant scholar with a worldwide reputation in the philosophical development of logic and mathematical foundations.

A third and more important memo to Kerr concerns the limitation of future enrollment at the Berkeley and other campuses. If the aim of a campus balanced between undergraduate (lower division and upper division) and

graduate levels is to be retained, then control of enrollments must go into effect and this will require the establishment of a policy at the statewide level. I said that this subject has been a matter of serious considerations recently by the Academic Advisory Committee and the Chancellor's Advisory Administrative Council. They are in general agreement to the proposition that, if enrollment has to be limited to certain colleges, schools, majors or curricula on one or more campuses, the best applicants seeking admission to the University should be given priority and assignment to the campus of their choice.

I sent a letter to Detlev Bronk (President of the National Academy of Sciences) taking note of an article in the New York Times saying that the National Academy of Sciences is presently arranging an exchange with the Soviet Academy of Sciences to bring scientists from the USSR to this country and to have some of ours visit the USSR to deliver lectures, participate in meetings, and conduct joint laboratory research. I expressed an extreme interest on the part of Berkeley to participate in this program.

I sent a memorandum to C. W. Jones (Chairman of the Committee on Educational Policy) requesting that his Committee consider the proposal (which I enclosed) that an Inorganic Materials Laboratory be established on the Berkeley campus.

A letter went to Mrs. Paul A. Hammer of San Anselmo, California, stating that her son Roger, who has been dismissed twice for unsatisfactory scholarship, cannot be readmitted.

I held my Student Open Office Hour from 10:30 a.m. until 11:30 a.m. and had a lot of "customers", including Bill Stricklin (ASUC President) who is deeply concerned with the antics of SLATE and thinks that recognition should be withdrawn from this organization; Hugh Banett, who asked me to try to provide for the Straw Hat Band to go to Louisville for the NCAA basketball semi-finals and finals with the team, which I said I would try to arrange; Robert Irvine, Joe McCord and Dave Toll together to discuss the Pelican (I warned them to shape up or the publication will have to be suspended); Dave Christen; Michael Hone (ASUC Representative), who wanted to discuss SLATE; Irene Takei and Sylvia Takeda (pompon girls, also representing Lou Vienop, another pompon girl) who want me to raise funds to enable them to accompany our championship basketball team to Louisville (I said I will do everything I can to accomplish this); and Bruce Haldane.

At a little before noon I drove up to the Radiation Laboratory and while there, attended the regular Monday noon luncheon of the Nuclear Chemistry group in Perlman's office.

I signed a letter to Robert S. Livingston (Director of the Electronuclear Research Division at Oak Ridge National Laboratory) in reply to his letter of February 20th, saying that his plan and tentative dates for a second Heavy Ion conference appear to be satisfactory. I suggest that perhaps he should invite G. N. Flerov and several of his coworkers from the Soviet Union.

While at the Radiation Laboratory, I received a telephone call from Ed Pauley, who said that he thinks that State Director of Finance Levitt committed himself in our talks with him on Saturday to take $2 million from the overhead for the Radiation Laboratory contract for each of the years 1960-61, 1961-62 and 1962-63 to apply to the Lawrence Memorial. Ed said that he will get Governor Pat Brown to confirm this at the next Regents Meeting.

Ed also told me that Prentice Hall Company is interested in publishing the biography of Ernest Lawrence and Prentice Hall Vice President Myron L. Boardman will be coming to Berkeley. I suggested the time of 11 a.m. on Tuesday, March 24th, and mentioned Dan Wilkes as a possible author for the book.

When I returned to my Chancellor's Office in Dwinelle Hall I had an appointment, arranged by Dan Wilkes, with Mrs. Jane Conant (San Francisco Call Bulletin). She interviewed me on my impressions of my job as Berkeley Chancellor.

Anna Carol told me that Arleigh Williams called at about 1:30 p.m. this afternoon and wanted to know what arrangements I have made for the support of the travel of the Straw Hat Band and the pompon girls to Louisville in support of our basketball team. I said that I told Hugh Banett of the band this morning that I will pledge $1250 from the Chancellor's Office if the ASUC will match this with $1250 and then in addition I pledged $100 of my personal funds and $100 from Clark Kerr (who had assured me that he would do this) and that the band should raise the additional $300, which would make a total of $3,000. I said that with respect to the pompon girls, I told Irene Takei and Sylvia Takeda, when they came to see me this morning, that I would pledge $300 from the Chancellor's Office if the ASUC would match this with $300 and that I would add $100 from my personal funds, making a total of $700.

Kitty told me that a number of messages have come from Kerr through Gloria Copeland today. A fellow from SLATE went to the President's Office today, requesting a copy of Rule #25 and said he had been refused a copy from the Chancellor's Office (but actually what happened is that Dean Stone did not have an extra copy and asked him to get one from the President's Office). Kerr wants the brochure, of which we have a number of copies, handed out at Strawberry Canyon on dedication day.

Kerr was upset about the statement by John Burd, Berkeley City official, that appeared in the papers the other day about our taking land from the City; Chernin is preparing a note on this to go to Kerr.

Clark also wants to be sure that the Corporation Yard does not look a mess on dedication day at Strawberry Canyon.

Kitty also told me that the librarian called the other day, wanting to know the name of our dog; she told him his name, "Cricket"--the library is putting on a special display in my honor for inauguration and they have a picture which includes Cricket.

I went through some of my mail. A letter from State Senator John W. Holmdahl informs me that he will be able to attend only the Charter Day ceremony on March 20th and that commitments to various parts of the activities have been received from State Senators Fred S. Farr, Waverly Jack Slattery, Richard J. Dolwig, James A. Cobey, Nathan F. Coombs and Albert S. Rodda.

A letter from David Z. Beckler (Executive Officer of the President's Science Advisory Committee) transmits my commission as a member of the PSAC and indicates that I can take the oath of office in Washington at the next meeting of the Committee.

Alex Sherriffs wrote to request that the University of California withdraw official recognition from the group of students known as SLATE and that an official censure be placed on those individual students who carried out the defiance rally on Thursday, March 12th.

A letter from Ronald N. Walpole (Chairman of the Department of French) makes an urgent plea for more space for his department in Dwinelle Hall.

A letter from Senator Hubert H. Humphrey (Chairman of the Subcommittee on Reorganization and International Organizations of the Committee on Government Operations in the United States Senate) writes to ask my judgment on what specific steps should be taken to strengthen medical research throughout the world and he also asks, in my judgment, how many of these obstacles be removed. I made a note to Fretter, suggesting we discuss this.

A memorandum from Ed Strong to Andreas Papandreou (Chairman of the Social Science Council) replies to his memorandum of March 5th requesting an emergency appropriation of $5,440 for the academic year 1959-60 in order that they may be able retain on a rental basis the small equipment installation in California Hall. Strong suggests that we cannot accommodate this request and suggests that he submit a proposal to me setting out a method for financing the installation within presently established budgets.

This week's University Bulletin has a front page story announcing the inauguration of John Saunders as Provost and Willard Fleming as Vice Provost of the San Francisco Medical Center and of me as Chancellor at Berkeley during Charter Day ceremonies this month. Guest speakers throughout the state will include Charles A. Malik (President of the 13th Session of the General Assembly of the United Nations) addressing both Berkeley and Los Angeles, Detlev Bronk (President of the National Academy of Sciences) at La Jolla, Samuel Gould (Chancellor Elect of the Santa Barbara campus) at Riverside, and Aldous Huxley (Visiting Professor at Large) at Santa Barbara.

During the evening Helen and I attended the Boy Scouts Court of Honor for Pete's Boy Scout troup at Stanley School. Barney Rocca, Pete's scoutmaster, presided at the ceremonies.

Tuesday, March 17, 1959

I worked at home this morning, reading and marking my correspondence and putting some finishing touches on my inaugural talk for Friday.

Ed Teller called me at about 10 a.m. and we agreed that I will appoint a part of the Advisory Committee to the Computer Center to make a recommendation for the replacement of Louis Henyey as Head of the Computer Laboratory. We agreed that this committee might consist of Teller (Chairman) and Ralph Emerson, Ewald T. Grether, Louis Henyey, Ronald W. Shephard and Otto Struve.

I read a letter from George de Hevesy (sent from Stockholm) saying that he has reached home safely and expressing appreciation for the opportunity to meet Helen and me in New York and for the talk I delivered on the occasion of his "Atoms for Peace" award.

A memorandum from Frank Beach (Psychology) said that he is very interested in the possibility of establishing a Field Station for Behavioral Research. He

has asked Sherry Washburn and Alden Miller to act with him as a self-constituted steering committee for this project and asks for an appointment to come in to see me to talk about this.

A letter from Henry Bollinger (Associate Director of the ASUC Radio TV Theater) asks for an opportunity to interview me on the theater's "Golden Bear Revue" and for permission to record my Charter Day Inaugural Address for use in their broadcast; I marked on the letter an okay for both these invitations.

Don Mutchmore (Director of the California State Museum of Science and Technology) thanked me for the nomination form which I recently forwarded to the museum for their awards program and invited me to the awards dinner to be held on May 21st in Los Angeles at which the speaker will be James Killian (Science Advisor to President Eisenhower); I indicated a regret.

A memorandum from Vice President Harry Wellman indicates that Hilary Fry (Statewide Office of Operational Studies) would like an interview with me to discuss any special long-range studies that have been made for the Berkeley campus.

Bill Prosser (Dean of the School of Law) sent me a detailed list of changes in the School of Law curriculum that he contemplates for the year 1959-60.

A memorandum from Doug Chrétien suggests that the Special Committee of Language Institutes should be allowed to lapse; he says that it was set up to make recommendations for a language institute under NDEA and didn't do a very good job.

When I arrived in my office I found a copy of the Daily Californian on my desk with a headline "Withdrawal of SLATE Recognition Asked- Stricklin Requests Chancellor Action" quoting the letter from Stricklin to Vice Chancellor Sherriffs requesting the University of California to withdraw official recognition of SLATE.

On page 3 there is a story entitled "Junior Prom Publicity Foiled by Chancellor Office Decree"; a memorandum from Dean Hurford Stone expressed regret at the implication of this story that the Dean of Students' Office and the Chancellor's Office are at conflict and he suggests that those of us concerned at the University level, along with Arleigh Williams (Director of Activities for the ASUC) should prepare a brief set of ground rules relative to activity publicity on the campus.

I sent a memorandum to Museum Director William R. Bascom indicating that I have been assured that the storage of the museum's collection, in the basement of Hearst Gymnasium, can be done safely.

I sent a memorandum to all deans informing them that, by recent directive, President Kerr has authorized the payment of travel expenses of appointees to "visiting" titles when circumstances require it, and whether or not a permanent appointment is in prospect.

I attended a short rally for the basketball team at Wheeler Hall.

When I came back to Dwinelle Hall, I went directly to the Chancellor's Conference Room to preside over a meeting of my Cabinet, which was attended by Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes--all

the members. We discussed items to be considered at the April meeting of the CCCO and made the following assignments for draft comments on these items to be sent to President Kerr before the meeting: decentralization of personnel function (Chernin), appointing authority for administrative officers (Mauchlan), authority to appoint academic personnel (Mauchlan), use of title "Director" and membership in Academic Senate (Montgomery and Strong), appointment and review of directors (Montgomery and Strong), policy regarding appointments to ICA (Strong), student government (Sherriffs), National Defense Education Act disclaimer affidavit (me), inter-office exchange (Hart), and equivalent ranks in the University system (Fretter).

GTS and Coach Pete Newell with Pompon Girls
at rally honoring basketball team
March 17, 1959

I reported on actions taken at the March meeting of the Regents and on the Saturday Joint Meeting of the Regents and the State Board of Education. The Joint Advisory Committee of this group, composed of Seaborg, Freeborn, Knudsen, Dumke, Wahlquist, Love and three representatives of junior colleges not yet selected, will meet in Berkeley on March 26th and 27th under the chairmanship of Vice President Wellman. The Liaison Committee of the Regents and the State Board of Education will meet in Sacramento before April 15th and the Joint Meeting of the Regents and the State Board of Education will again meet on April 15th in Los Angeles at the time of the April Regents Meeting.

I reported on the plans of Hilary Fry (Office for Operational Studies, under Wellman) to make an inventory of the University's needs for "self-analysis" studies and for research on the University's long range problems and we decided that in this connection he should interview the deans of Engineering, Chemistry and Business Administration, the Vice Chancellors, the Registrar, the Chairman of the Budget Committee and the Chairman of the Committee on Educational Policy and Sandy Elberg.

Ed Strong reported on his attendance at the meeting of the Pacific Coast Committee of the American Council on Education, where discussion took place on problems relating to the influx of students, how to finance growth and the disclaimer oath of the NDEA.

Jim Hart reported on the recommendation of the Institute of International Studies that Berkeley participate in an ICA proposal (if selected) suggested by Rivkin, who has discussed with Hart and others proposals to train selected ICA career men for work in Sub-Saharan Africa.

I noted that Kerr's policy on institutes is to minimize the statewide aspect and always have a center located on one campus with the hope that other campuses can participate.

Sherriffs reported on the situation with regard to SLATE and the question of whether SLATE should be removed from the recognized list. If we decide to do that, a letter to SLATE would be carefully written and reasons for removal limited to past violations of University regulations, leaving as a separate issue the charge concerning the rally which is now before the Faculty Committee on Student Conduct. The letter of reply to Besig should be short and University Rules #5 and #17 enclosed with it.

After the Cabinet meeting I read a letter from Mrs. F. G. Bertagnolli (Chairman of the Education Section of the Walnut Creek branch of the AAUW) concerning the talk I am to give them on May 20th. She suggests that I talk on the broad subject "Education for Americans" and that I should address the subjects of the teaching of Americanism, non-technical educational needs, and the peaceful uses of atomic energy. I asked Anna Carol to call her and say that I will title my talk "Education for Americans".

Anna Carol told me that Arleigh Williams has called asking for my comment on travel arrangements to Louisville for the Straw Hat Band and the pompon girls; they can travel most economically on Great Lakes Airlines, a non-scheduled carrier. I told Anna Carol to call Arleigh Williams back and give my approval of this.

At 2:30 p.m. I met in my office with James C. Stone (Director of Teacher Education of our School of Education) who told me about the idea of establishing a small experimental center at Napa, as an extension of the Graduate Internship Program in Teacher Education. I agreed to request regential support for approximately $6,000 for 1960-61 to make this possible. I also informed him that I have decided to approve his promotion to full professor next year on the recommendation of Dean Brownell, even though the review committee and the Budget Committee action is to the contrary.

At 3 p.m. I had my regular weekly meeting with Lincoln Constance. I agreed that Otto Struve should be provided with minimum travel funds from Constance's travel contingency fund so that he can accept an invitation to visit the University of Colorado.

I approved the plan of the Department of Mathematics to invite Professor A. D. Alexandrov (Rector of the University of Leningrad) to visit Berkeley during his trip to the United States in April to visit Harvard University.

I agreed to Joseph Kerman's request to provide approximately $1,000 (to be shared by Stanford) to cover the cost of a meeting of the American Musicological Society in Berkeley in December 1960.

Constance showed me an item from the American Council of Education bulletin indicating the universities are lax in seeking surplus property and I asked him to leave this with Errol Mauchlan, who will pass it on to our Business Office.

This afternoon's Berkeley Gazette carries a story "Research Lecture by Seaborg", which announces my Faculty Research Lecture to be held at 8 p.m. tomorrow evening in Wheeler Auditorium on the subject "Man-Made Chemical Elements".

I then left to go directly to the Haas Clubhouse in Strawberry Canyon, where I met Helen to attend the Open House sponsored by the University Women's Section Club, which featured displays and events in posters, decorations, music and talks by various members. It also included a faculty coffee hour. This is one of the events connected with the dedication of the Strawberry Canyon Recreational Area this week.

During the evening, after dinner, I worked on my notes and assembling slides for my Faculty Research Lecture to be held in Wheeler Auditorium tomorrow evening.

Wednesday, March 18, 1959

This morning's Chronicle carries an A.P. story stating that Soviet chemists claim that they have confirmed the existence of Element 102. The story mentions the production of this element at Berkeley last April and that it has been named "nobelium".

When I arrived at my Chancellor's Office this morning, I found a night letter from G. Ernest Gibson, expressing regret that he won't be able to attend my lecture tonight owing to a recent operation and expressing his best wishes; unfortunately, Gibson, with whom I did my Ph.D. research, is very ill with cancer.

I sent a letter to Walter A. Haas (President of the Jewish Welfare Federation in San Francisco and generous supporter of the University) regretting his invitation to attend a community meeting on March 30th honoring Ambassador Eban from Israel.

I sent a letter to W. B. Ellis (Superintendent) and H. Frank Bradford (Assistant Superintendent) of the Lafayette School District, acknowledging their letter of commendation of Professor Don Savage's activities on behalf of their teachers.

I wrote Elmer Butler (Chairman of the Cell Biology Study Section of the National Institutes of Health) extending an official invitation to the Cell Biology Study Section to meet on the Berkeley campus in September of this year.

I wrote letters to Austin MacCormick (Criminology) inviting him to serve as Chairman of an advisory committee concerning the appointment of the Dean of Men and the Foreign Student Advisor, and to Eric Bellquist, Varden Fuller, Stanley Mosk, Bill Fretter and Bill Shepard (ex-officio member) to serve as members of this committee.

Research Lecture by Seaborg

BERKELEY GAZETTE

March 17, 1959

The Nobel Laureate chemist, Dr. Glenn T. Seaborg, Chancellor of the University of California, Berkeley, and associate director of the Lawrence Radiation Laboratory, will deliver the forty-sixth annual Faculty Research Lecture at 8 p.m. tomorrow evening in Wheeler auditorium on the Berkeley campus.

The internationally-renowned atomic scientist will speak on the topic, "The Man-made Chemical Elements." Dr. Seaborg's work, together with his co-workers, in the discovery of the transuranium elements, including the discovery of plutonium (element 94) and each new succeeding element through element 102, is regarded as a milestone in the progress of science.

The lecture tomorrow evening precedes the University's ninety-first Charter Day Exercises at 2:30 p.m. Friday, in the Greek Theater, at which time Dr. Seaborg will be inaugurated as Chancellor of the Berkeley campus, delivering the inaugural address.

The Faculty Research Lectureship is bestowed annually upon an individual whose researches have outstanding merit. Chancellor Seaborg was selected last October by a faculty committee headed by Dr. M. B. Emeneau, professor of general linguistics and Sanskirt, and which included some of the most distinguished scientists on the Berkeley campus. The selection of the chief administrator of the Berkeley campus for this honor emphasizes Dr. Seaborg's dual role in the realms of administration and scientific research and also underscores his stated intention to continue to devote part of his energies to the latter.

OUTSTANDING

At the time of Chancellor Seaborg's selection, the committee cited such additional accomplishments as his discovery of scores of isotopes of stable elements; his leadership in pioneering the methodology and instrumentation of nuclear chemistry; and his influence in the training of most of the nation's nuclear chemists.

Chancellor Seaborg received his A.B. at the Los Angeles campus of the University and his Ph.D. in 1937 here at Berkeley. He has been on the Berkeley staff since

OUTSTANDING

At the time of Chancellor Seaborg's selection, the committee cited such additional accomplishments as his discovery of scores of isotopes of stable elements; his leadership in pioneering the methodology and instrumentation of nuclear chemistry; and his influence in the training of most of the nation's nuclear chemists.

Chancellor Seaborg received his A.B. at the Los Angeles campus of the University and his Ph.D. in 1937 here at Berkeley. He has been on the Berkeley staff since

his graduation, and received the Nobel Prize in Chemistry in 1951.

The public is cordialy invited to attend Faculty Research Lecture tomorrow evening in Wheeler auditorium.

Tickets for Chancellor Seaborg's inauguration at Friday afternoon's Charter Day Exercises may be obtained without charge from 9 a.m. to 4:30 p.m. Thursday, at the south end of the basement of Sproul Hall on the Berkeley campus.

I drove up to the Radiation Laboratory to attend a meeting of the Associate Directors.

After that, I participated--in a role of host--in escorting Chairman John McCone of the Atomic Energy Commission on a tour of the Radiation Laboratory.

While at the Lab, I signed a letter to Ron Warren (Office of the Secretary of the American Chemical Society) to renew my nomination of John Rasmussen for the ACS Award in Pure Chemistry, and a technical reference report supporting the application of James Grover (one of my graduate students) for a position with AVCO Research and Advanced Development Company in Wilmington, Massachussetts.

I also noted a memorandum from Wally Reynolds (Business Manager of the Radiation Laboratory) requesting my aid in obtaining approval for the request by John Lawrence for the design and construction of a low background counting facility in Donner Laboratory.

I attended a luncheon in honor of John McCone in the Howard Room of the Faculty Club.

When I returned to my Chancellor's Office I had an appointment at 2 p.m. with Janie Semple (Daily Californian) in which we discussed a number of the problems facing the paper and the attitudes of the people working on it.

I noted responses from nine faculty members to my request of March 3rd for information on the programs and composition of committees and advisory boards on which they serve as chairmen. I asked Anna Carol to phone them expressing my thanks.

Donald W. MacKinnon (Co-Director of the Institute of Personality Assessment and Research) recommends that its advisory board for 1959-60 consist of T. R. McConnell (chairman), R. H. Crede, E. R. Dempster, Michel Loeve, L. J. Postman, R. F. Crutchfield and D. W. MacKinnon.

Henry J. Vaux (Chairman of the Committee on Public Relations) suggests for 1959-60 that the committee be enlarged and that this enlargement include two students who do not hold elective or appointed office, on nomination by the President of the ASUC, and that Charles M. Hulten (Journalism) be added.

Louis Henyey, upon consultation with Ed Teller (Chairman of the Advisory Committee on Computing Facilities), recommends the retention of himself and E. T. Grether and that P. L. Morton and Otto Struve be replaced by John Kelley (Mathematics) and John Whinnery (Electrical Engineering).

E. T. Grether (Chairman of the Advisory Committee for Social Sciences) suggests that Frank Kidner be replaced by either Charles Aikin or Joseph Harris (Political Science), that Delmer Brown (History) be replaced by Kenneth Stampp (History), and that Leslie Lipson be replaced by Herbert Blumer.

Kingsley Davis (Chairman of the Advisory Committee for the Survey Research Center) suggests that he be replaced by Philip Selznick or Seymour Lipset and suggests that the present members be reappointed, but includes a list of names for use in case they cannot continue to serve.

William Shepard (Chairman of the Special Committee on Student Orientation and Counseling Program) suggests that he be replaced by Donald Noyce (Chemistry) as chairman, and that W. G. Knight (Physics) and Lenni W. Kangas (Office of the Dean of Students) be appointed to the Committee.

Emily Huntington (Chairman of the Heller Committee for Research on Social Economics) suggests the membership for next year be Jesse Coles, George Kuznets, Harvey Leibenstein, Davis McEntire and Ruth Okey.

William Shepard (Chairman of the Committee for the Selection of Student Speakers) suggests that he be replaced as Chairman by Douglas Chrétien (Linguistics and Speech), and that the remaining members of the Committee be reappointed.

T. R. McConnell (Chairman of the Advisory Committee to the Center for the Study of Higher Education) suggests that the present members be reappointed.

A letter from John Phillips (City Manager of Berkeley) encloses an agreement to proceed with the Sather Gate Parking Study with the request that we approve it and commit the University to participate in the cost of the project to the extent of $5,000.

A letter from Richard Erickson (Executive Manager of the California Alumni Association) suggests that the Alumni Address Files be separated from our Mailing Division and that the Alumni Records Bureau be relocated to Alumni House in the interests of efficiency and the insurance of strong alumni relations in the future.

A letter from Bill Stricklin to Vice Chancellor Sherriffs strongly recommends discontinuation of the publication of the Pelican due to the problems associated with its publication and shortage of ASUC funds to support it, unless "the University of California would wish to underwrite the cost of this unwanted ASUC publication."

A letter from Robert Heizer (Chairman of the Berkeley Committee on Research) describes the urgent need of the Committee for additional funding in order to accommodate research travel requests, states that the Committee needs $9,765 additional (raising the 1958-59 research travel budget by 20%).

In the evening in the Wheeler Auditorium at 8 p.m. I delivered the 46th annual Faculty Research Lecture, entitled "The Man-Made Chemical Elements", illustrated by 42 lantern slides. I began with an historical survey of the discovery of the chemical elements, described the discovery of elements 95 and 96 as a result of my recognition of the actinide concept and the announcement of their discovery on the "Quiz Kids" radio program, described the discovery of elements 97 and 98 and told the New Yorker story about their naming, described the discovery of elements 93 and 94 and the early ultra-microchemical work on element 94 at the Metallurgical Laboratory, described the discovery of elements 99, 100, 101 and 102 and made some predictions regarding the synthesis of future elements, their chemical and nuclear properties and reactions for their production, emphasizing the need for a high flux reactor, and explained the proof required in order to establish the discovery of a new chemical element. In summary, I expressed the need for a high flux reactor and warned that the Soviets are building such a reactor and thus, threatening to take away our lead in the discovery of new chemical elements.

Helen told me that she answered an invitation from Betty and Arthur Compton to come to New York on March 24th for the opening of Pearl Buck's play "A Desert Incident" at the Golden Theatre, expressing our regrets at being unable to attend.

Thursday, March 19, 1959

In the San Francisco Examiner this morning, there is a piece entitled "Seaborg Bares New A Threat" which describes my concern that the high flux reactor that the Soviets are building may enable them to take the lead away from us in the discovery of new chemical elements.

In the Daily Californian there is a headline titled "SLATE Accused of Illegal Campaigning; Judicial Committee Issues Injunction"; this injunction was issued, in response to a request by Bill Stricklin, ordering SLATE to desist such actions as distributing leaflets through the implementation of a distribution box on campus as they did yesterday at North Gate, an act of illegal election campaigning.

This morning a number of memoranda and letters were sent out. To Sandy Elberg (Chairman of the Space Committee of the BCD) and to Ray Bressler (Chairman of the Budget Committee) for review and comment I sent copies of the proposal for the creation of a Space Sciences Laboratory on the Berkeley campus.

I sent a memorandum to Harry Wellman stressing that decisions will have to be made on the Berkeley campus either to restrict a portion of the various departments' enrollments or to permit them to exceed maximums projected for when the total campus size reaches the limit of 27,500 to 30,000 students. (A memorandum from Wellman addressed to Allen, Freeborn, Noble, Saunders, Revelle and me, dated March 2, 1959, calls attention to the fact that temporary quotas on students may be established, but only on application to and approval by the local chief administrative officer, and after all possible steps have been taken to avoid their imposition, in the first instance, and where this is unavoidable, to remove them at the earliest possible moment.)

Another memorandum to Harry Wellman informs him that today Jim Hart informed Rivkin that this campus is interested in being considered for their proposed ICA contract to train personnel for its Sub-Saharan Africa program.

I wrote Vic Schmidt at his San Gabriel residence, saying that Clark Kerr cannot see him next week because he will be out of town, but will write him suggesting an appointment on March 31st when he will be in Los Angeles; I added that I shall certainly wish to see him if he is in town next week.

I sent a memorandum to Lincoln Constance, pointing out that Kerr has asked each Chancellor to do everything possible to encourage subject matter courses for high school and junior college teachers in summer sessions.

A memorandum was prepared to go to deans and departmental chairmen requesting information to be used in preparing our 1960-61 budget request.

I received a couple of replies to my memo of March 3rd concerning membership on committees (which I asked Anna Carol to acknowledge): Grether (Chairman of the Administrative Committee of the Bureau of Business and Economic Research)

DAILY CALIFORNIAN
March 18, 1959

Chancellor Inauguration Planned

Glenn T. Seaborg will be officially inaugurated as Chancellor at the annual Charter Day exercises at 2:30 p.m. Friday.

Charles Malik, president of the 13th regular session of the United Nations General Assembly, and former Lebanese Ambassador to the United States, will be the guest speaker.

University President Clark Kerr will make an introductory address and preside over the ceremonies.

One of the special highlights of the Inauguration-Charter Day festivities will be the dedication of the new Strawberry Canyon Recreational area to be opened for the use of students, faculty and staff on Saturday.

Greetings in honor of Seaborg's inauguration will be extended by the following: Governor Edmund G. Brown; Donald McLaughlin, chairman of the Board of Regents; Mortimer Smith, president of the California Alumni Association; Bill Stricklin, ASUC presdent; Frank Kidner, vice-chairman of Academic Senate, Northern Section, and Norman Topping, president of the University of Southern California.

Delegates from 50 California colleges, universities, learned societies and other institutions will march in the academic processon which will form at the Campanile Esplanade and march to the Greek Theater. It will be preceeded by the traditional procession of alumni classes.

Tickets for the Charter Day exercises may be obtained without charge from 9 a.m. to 4:30 p.m. tomorrow at the south end of the basement of Sproul Hall.

The Charter Anniversary Banquet sponsored by the California Alumni Association will take place at 7 p.m. Friday in the Garden Court of the Sheraton-Palace Hotel. Mortimer Smith will preside. James Black, chairman of the Board of Pacific Gas and Electric Company will receive the Alumnus of the Year award for 1958.

Charter Day ceremonies will be held today at the University Medical Center in San Francisco. John Saunders will be inaugurated as the First Provost. He is also Dean of the School of Medicine.

Willard C. Fleming, dean of the School of Dentistry, will be inaugurated as Vice-Provost.

President Clark Kerr will preside over the ceremonies and Saunders will give the Charter Day and Inaugural Address.

The faculty research lectures will be given by Karl Meyer, director, emeritus, of the George Wililams Hooper Foundation for Medical Research. He will speak about immunization against plague.

suggests that the only replacement required is for R. E. Caves to be replaced by Philip Bell of the Department of Economics during the absence of Caves on leave next year.

James Cline (Chairman of the Committee on Fulbright Awards) wrote to suggest that Adrienne Koch and David Templeton be reappointed and that Joseph Kerman replace Ward Lockwood, that Edwin Morby replace W. K. Pritchett, both of whom have served the traditional three years.

I received a letter from Mike O'Brien endorsing and enclosing a copy of a memorandum from P. H. McGaughey (Chairman of the Division of Hydraulic and Sanitary Engineering) strongly endorsing Warren Kaufman's project to use tritium in the tracing of groundwater in Southern California. This memorandum has come to my attention belatedly, but I doubt that it would have made any difference in our decision to disapprove this project.

A charming letter from Detlev Bronk thanks me for "the magnificent address you gave upon the occasion of the Atoms for Peace Award to de Hevesy."

A memorandum from Milton Chernin encloses a copy of the report to the Mayor and City Council of Berkeley, the City Planning Commission and the City Manager of the Berkeley Liaison Committee, which lists as the Liaison Committee's main accomplishments: 1) coordinating City and University long range planning, 2) University-City Street Agreement, and 3) replacing the Sather Gate parking lot. It also discusses problems for continued study, which include: 1) a second access road to Panoramic Hill and 2) the problem of the Gayley Road-Piedmont Avenue connection. The report includes a discussion of the University's continued land expansion, the subject of the critical article in the Berkeley Gazette (which has caused so much consternation); it points out that the needs of the University should receive consideration and projects studies for a waterfront development plan.

A memorandum from Jim Hart recalls that Dr. Wilhelm Grewe (German Ambassador to the U.S.) will be on the campus on April 23rd. I noted on this that I will be happy to host a lunch for him on that date.

A note from Ellison Shute (Manager of the San Francisco Operations Office) encloses a copy of the Atomic Energy Commission's 25th Semi-Annual Report which was transmitted to the Congress July 31, 1959.

Another memorandum from Jim Hart informs me that the booksellers, John Howell and Jake Zitlen, have offered the Bancroft Library a truly remarkable collection of manuscripts on the founding and history of California and of the Southwest in the 18th century for a price of $45,000 with the understanding that they would find donors to give $10,000 of that sum. He hopes to find the remainder of this and suggests that maybe Ed Heller will contribute a large portion of this.

I spent the evening after dinner at home putting finishing touches on my dedicatory remarks tomorrow for the Strawberry Canyon Recreational Area, my inaugural address as Chancellor, and my informal remarks at the Alumni Charter and Anniversary Banquet to be held at the Sheraton Palace Hotel in San Francisco tomorrow night.

Russ May Lead Us in New Field

BERKELEY GAZETTE
March 19, 1959

The possibility that the Russians may forge ahead of the United States in another field of basic scientific research—the discovery of new elements and the study of the structures of heavy nuclei—has been suggested today by Dr. Glenn T. Seaborg, chancellor of the Berkeley campus of the University of California and Nobel Laureate in chemistry.

The suggestion was made by Dr. Seaborg in the annual faculty research lecture, a traditional event of Charter Week, which will be climaxed by the scientist's official inauguration as chancellor in ceremonies in the Greek Theatre tomorrow.

Russian scientists have started construction of an ultra-high flux nuclear reactor, which is basic to the creation and discovery of very heavy elements above the heaviest now known, element 102, discovered here at Berkeley last year. Such a reactor has not as yet been authorized in this country, he said.

The object of an ultra-high flux reactor is to create an enormous number of neutrons in a small area. With such an extremely high neutron flux it will be possible to mimic, on a more modest scale, the conditions that occur in super novae (exploding stars) and hydrogen bombs. In these two situations ordinary atomic nuclei capture many neutrons, are thus "fattened up," and become nuclei of heavier atoms. Elements 99 and 100 were discovered in the debris of the first thermonuclear explosion at Bikini, when, because of the high neutron flux of the explosion, single atoms of uranium were able to capture many neutrons.

In such an ultra-high flux reactor, it would be possible, through this same multiple capture process, to build up plutonium to element 98, californium. Milligram (a thousandth of a gram) quantities of californium could be produced, which are large amounts in terms of such material. The californium could be bombarded in the HILAC, the big accelerator at Berkeley especially built for speeding up heavy particles. A heavy particle, when added to californium, would produce heavy elements ranging up to 104, 105 or higher.

MATERIAL SHORTAGE

One of the handicaps in present efforts to produce new elements is the shortage of target materials. Quantities of californium that can be made by present methods are barely at the visible level, and require years to produce.

An ultra-high flux, enriched uranium reactor in this country would cost about $10,000,000, according to Dr. Seaborg, and would require more developmental research.

Dr. Seaborg said that the creation and study of heavier elements is important in yielding new insight into the structure of nuclei all through the heavy part of the periodic table.

The scientist also said that Russian researchers may also have created and identified an isotope of element 102, one different from that reported by Berkeley scientists last year. The Berkeley isotope is 254. The Russian isotope of element 102 appears to be 253, although identification is not yet certain.

All of the elements heavier than uranium, element 92, have so far been discovered in the United States. Berkeley scientists have discovered or shared in the discovery of all 10.

DAILY CALIFORNIAN - March 19, 1959

Russians May Forge Ahead

Seaborg Gives Science Lecture

The Russians may forge ahead of the United States in another field of basic scientific research, the discovery of new elements and the study of the structures of heavy nuclei, Chancellor Glenn T. Seaborg said last night.

Seaborg, a Nobel laureate in chemistry, spoke at the annual faculty research lecture, a traditional event of Charter Week. He will be officially inaugurated in ceremonies at the Greek Theatre tomorrow.

Russian scientists have already started construction of an ultra-high flux nuclear reactor, which is basic to the creation and discovery of very heavy elements, Seaborg said.

ELEMENT 102

Such a reactor has not as yet been authorized in this country although the heaviest element now known, element 102, was discovered at Berkeley last year, Seaborg said.

The object of an ultra-high flux reactor is to create an enormous number of neutrons in a small area. With such an extremely high neutron flux it will be possible to mimic, on a more modest scale, the conditions that occur in Supre Novae (exploding stars) and hydrogen bombs, he said.

In these two situations ordinary atomic nuclei capture many neutrons and become nuclei of heavier atoms, having been "fattened up."

EXPLOSION

Because of the high neutron flux of the explosion, single atoms of uranium were able to capture many neutrons in the debris of the first thermonuclear explosion at Bikini, forming elements 99 and 100, Seaborg said.

This same multiple capture process in an ultra-flux reactor makes it possible to build up plutonium to element 98, californium. Milligram (a thousandth of a gram) quantities of californium could thus be produced. (Such quantities of this element would be large.)

NEW ELEMENTS

Present efforts to produce new heavy elements are hindered by a shortage of californium target material for bombardment in the atom accelerators to speed up heavy particles. A heavy particle, when added to californium, would produce heavy elements ranging up to 104, 105 or higher.

According to Seaborg, an ultra-high flux enriched uranium reactor would cost about $10,000,000 in this country. Such a reactor would require more developmental research and would generate about 100,000 kilowatts of energy.

ENERGY GENERATED

This energy would be generated in about one cubic foot of space and up to 5 million billion neutrons per second per square centimeter would exist.

The creation and study of heavier elements is important in yielding new insight into the structure of nuclei all through the heavy part of the periodic table, Seaborg said.

The scientist also said that Russian researchers may have created and identified an isotope of element 102, one different from that reported by Berkeley scientists last year. The Berkeley isotope is 254. The Russian isotope of element 102 appears to be 253, although identification is not yet certain, Seaborg said.

All of the elements heavier than uranium, element 92, have so far been discovered in the United States. Berkeley scientists have discovered or shared in the discovery of all 10.

U.C. Charter Day Rites Tomorrow

BERKELEY, March 19—The University of California will celebrate its 91st anniversary tomorrow with a colorful and event-packed program highlighted by the inauguration of Dr. Glenn T. Seaborg as Berkeley chancellor.

The feature event of the day, joint Charter Day and inauguration exercises, will begin at 2:30 p.m. in the Greek Theater.

Dr. Seaborg, 46, one of the world's leading nuclear chemists, will speak on "Learning in the World of Change" following investiture as chief campus administrator, a post he assumed on Aug. 15.

Another major address on "The University in an Age of Crisis" will be delivered by Dr. Charles Malik, president of the United Nations General Assembly and former Lebanese ambassador to the United States, who will be guest of honor at the inauguration.

Honorary doctor of laws degrees will be conferred upon two outstanding U.C. professors emeriti. The Regents have authorized the high honor for Albert I. Elkus, professor of music, and Edward C. Tolman, professor of psychology.

Selection of Tolman by the Regents came as a surprise because the famous psychologist clashed bitterly with the university's governors a few years ago while he was fighting against the loyalty oath.

Thirteen members of the state legislature are scheduled to attend the Charter Day festivities. They will join delegates from some 50 California universities and other institutions in the traditional impressive academic procession from the base of the Campanile to the Greek Theater.

A procession of alumni will march before the delegates, who will be led by University Marshal Frank L. Kidner, professor of economics. A special senior 100-man Guard of Honor will bring up the rear.

Expected to participate are State Senators James A. Cobey, Nathan F. Coombs, John Holmdahl, Albert S. Rodda and W. Jack Slattery, and Assemblyman Bruce F. Allen, Robert W. Crown, Lloyd W. Lowrey, Thomas J. McBride, Don Mulford, Nicholas Petris, Jerome Waldie and Gordon H. Winton Jr.

President Clark Kerr, who was inaugurated as Chancellor during Charter Day exercises six years ago, will preside over the ceremonies.

Greetings will be extended to Dr. Seaborg by Gov. Edmund G. Brown, for the State; Dr. Donald H. McLaughlin, chairman of the Regents; Mortimer Smith, president of the Californa Alumni Association; Norman Topping, president of the University of Southern California; William Stricklin, president of the Associated Students, and Kidner, vice-chairman of the Academic Senate.

Prior to the Greek Theater program, President Kerr will dedicate the university's new $400,000 Strawberry Canyon Recreational Center at an informal noon luncheon.

The California Alumni Association's annual Charter Anniversary Banquet will be held at 7 p.m. in the Sheraton-Palace Hotel, San Francisco.

James B. Black, board chairman of the Pacific Gas and Electric Company, will receive the "Alumnus of the Year" award for 1958 at the banquet. President Kerr, Dr. Malik and Chancellor Seaborg will speak.

SEABORG FEARS RUSS GAIN IN SEARCH FOR ELEMENTS

BERKELEY, March 19—Dr. Glenn T. Seaborg, chancellor of the University of California, fears that the Soviets may soon forge ahead of the United States in the discovery of new elements.

The Nobel Laureate in chemistry issued the warning during the annual Faculty Research Lecture, a traditional Charter Week event.

Seaborg, who will be inaugurated as chancellor tomorrow, reported that the Russians have started construction of an ultra-high-flux nuclear reactor, which is needed to discover elements above the heaviest now known.

Such a reactor has not yet been authorized in this country, he said, and would cost about $10,000,000.

Friday, March 20, 1959

This is my inaugural day as Chancellor. I drove to my office and signed a few letters and so forth. Since I received from Otto Struve (Chairman of the Committee on Space Sciences) the formal proposal (I had received informal copies already yesterday) for the creation of a Space Sciences Laboratory on the Berkeley campus, I forwarded a copy to Clark Kerr. In my forwarding letter I said,

> "This proposal is to be presented to the National Aeronautics and Space Administration after approval by the appropriate University authorities and calls for a grant from NASA of $250,000 and support of $25,000 from the University, which I have allocated from the Springer Fund."

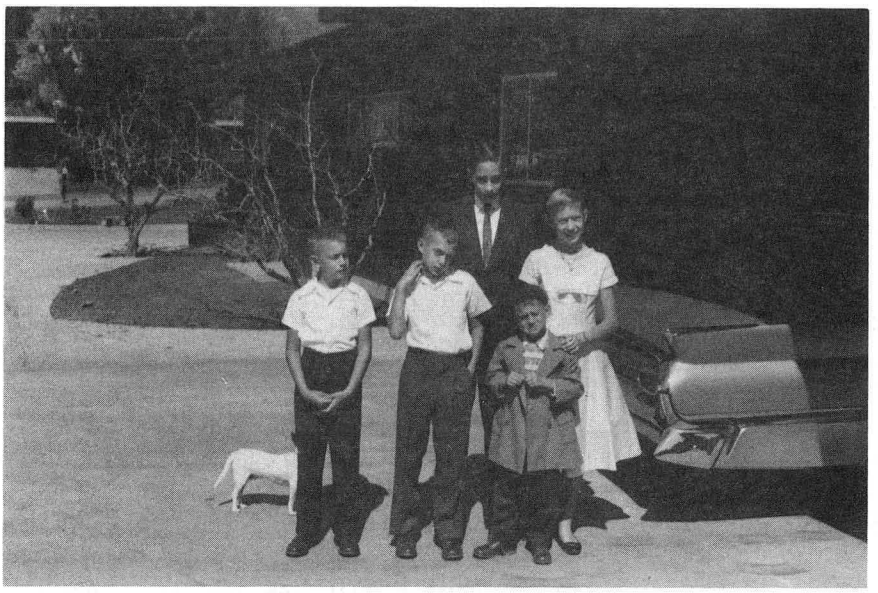
I also say that the Committee on Space Sciences has indicated that this laboratory will grow rapidly and support at the level of $500,000 will be asked of NASA for the fiscal year 1960-61 with a provision of $50,000 in the Berkeley budget for 1960-61. I also said that this proposal has been approved by the Educational Policy Committee and has been sent to the Budget Committee and the Buildings and Campus Development Committee for review as well as to the regular Business Office channels. I said that I am confident that review can be completed in time for the material to be presented to the Regents at the April meeting.

I also forwarded to Kerr a copy of a memorandum from Andreas Papandreou (Chairman of the Economics Department) concerning the proposed new salary levels at Stanford University, in which he states that effective July 1, 1959, the minimum salary for the professor in their department will be $12,500 and that a median salary will be $14,600, rates that are substantially in excess of the Berkeley rates and that pose a serious competitive threat to the Department of Economics at Berkeley.

I sent a memorandum to Kenneth Cardwell to his temporary address in London, asking him to serve as a member of the Physical Development Planning Subcommittee of the Buildings and Campus Development Committee and a memorandum to Frank Crouch (Principal Engineer in the Office of Architects and Engineers on the campus) asking him to serve as Technical Advisor of the Space Needs Priority Subcommittee of the Buildings and Campus Development Committee.

I went to Alumni House, where beginning at 10 a.m. I helped to host the informal reception for state legislators and the following short tour of the campus.

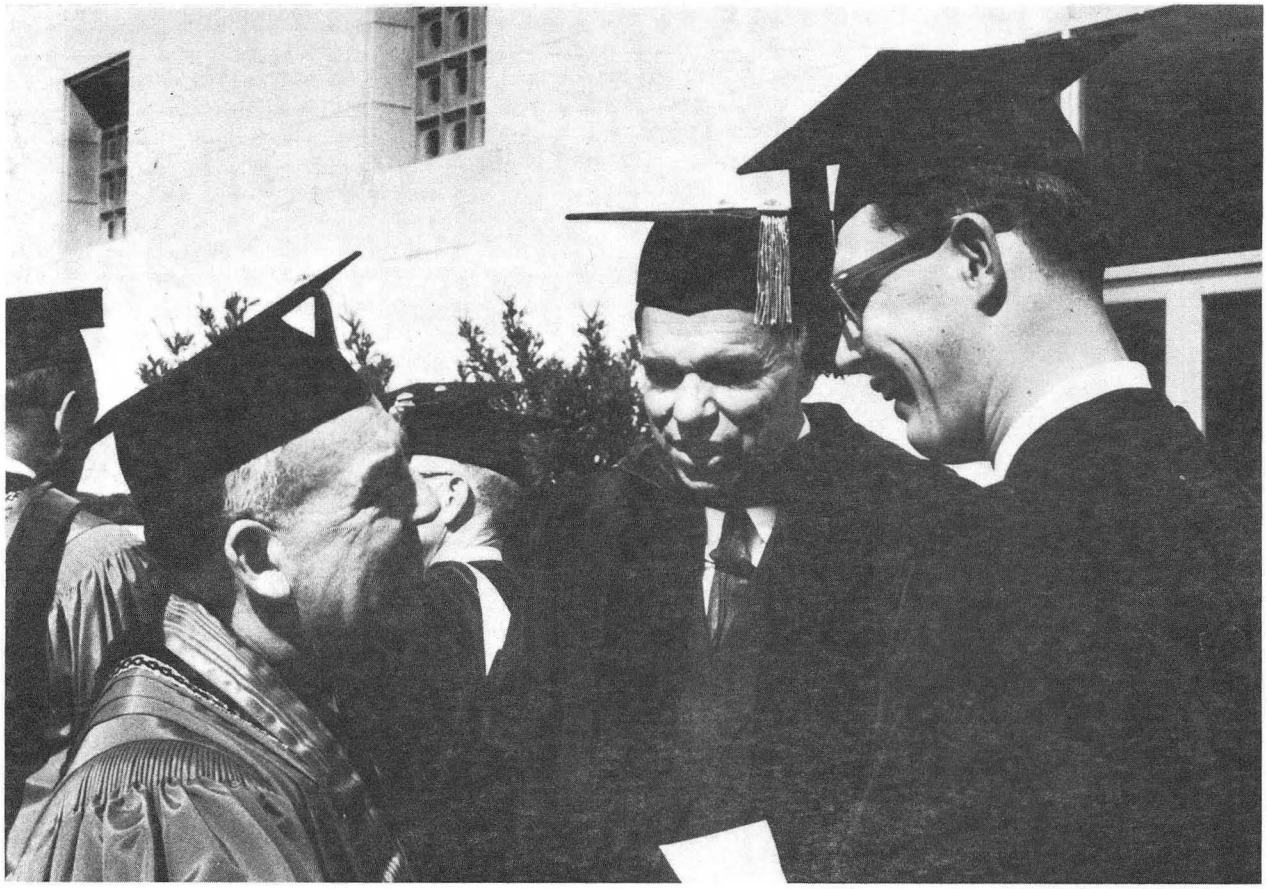
At noon I met Helen and the kids at the Haas Clubhouse in Strawberry Canyon Recreational Area to attend the luncheon and dedication ceremonies. A buffet luncheon, preceded by a demonstration of folk dancing, swimming and diving, was served to 200 or so guests. Clark Kerr served as presiding officer and later, after lunch, I was the main speaker. I described the present and planned facilities in the Walter Haas Clubhouse and the Strawberry Canyon Recreational Area and thanked the Haas family for their donations that made this possible. Walter Haas made some remarks of appreciation in response and Carl Nordly made some remarks.



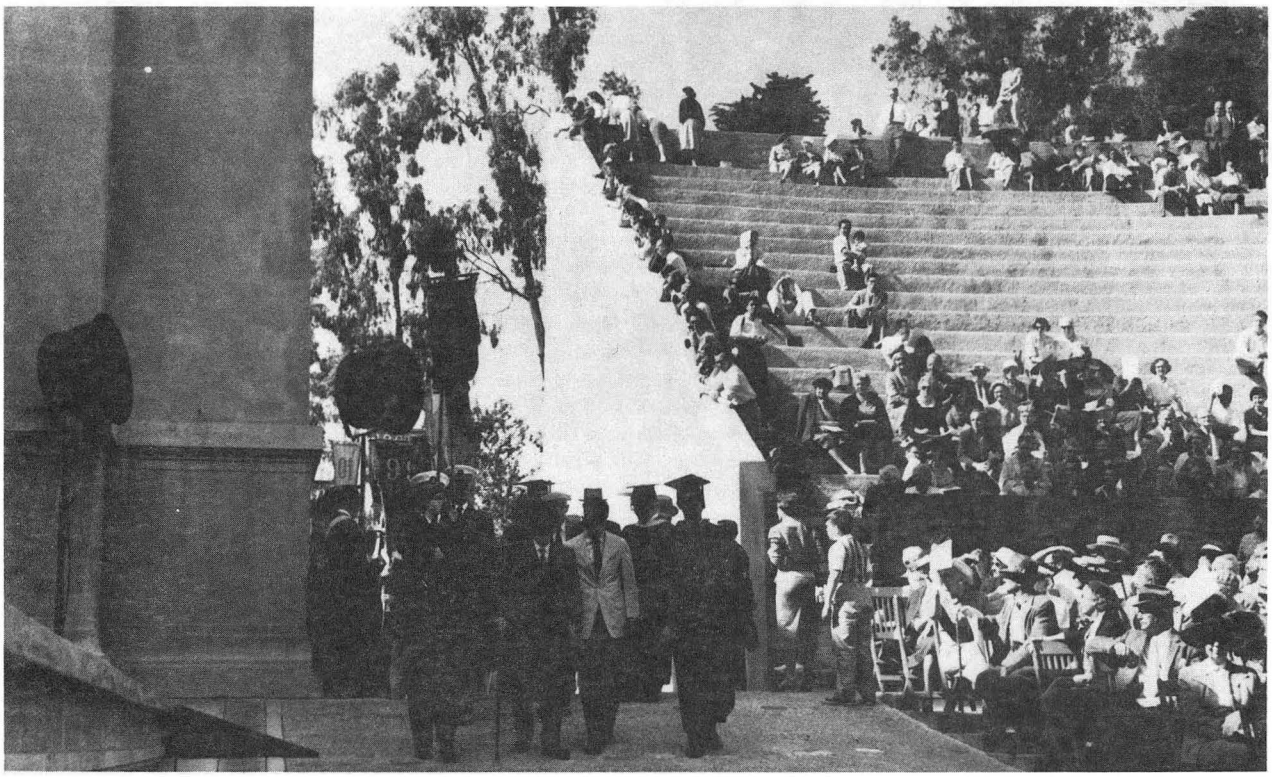
Seaborg children off to see GTS inaugurated as Chancellor
March 20, 1959

I then walked down to the campus and joined the academic group for robing and participated in the academic procession, which started at the base of the Campanile and progressed on up to the Greek Theatre. The inauguration charter anniversary ceremonies in the Greek Theatre began at a little after 2:30 p.m. with President Kerr as presiding officer. Kerr made the introductory address and then called on a number of people for greetings to me as Chancellor: Governor Pat Brown gave greetings from the State of California; Regent Chairman Donald McLaughlin gave greetings from the Regents; Professor Frank Kidner gave greetings from the faculty; Mortimer Smith represented the alumni and Bill Stricklin, the students. President Norman Topping of USC spoke for visiting institutions.

I then gave my inaugural address, "Learning in the World of Change". I began by explaining why I have shifted from science to University administration but also added that I have not given up the Laboratory entirely, and then went on to describe our present world of rapid change and the need for people in a democracy to keep pace with adequate learning, a task in which our educational system, led by the universities, will play a central role. I said that science provides momentum in our world of change and that our citizens must be well-acquainted with the general principles of science to be judges of policy based on it. I emphasized the struggle between East and West and said that, given peace, we must still look to a decisive conflict in a contest of ideas and of intellectual achievements in performance, in which the "blood, toil, tears and sweat" will be spent in classrooms, the libraries and the laboratories. I concluded by saying that learning and discovery are the "New Worlds", the lands of opportunity in the 20th century and that we must nourish creativity and powers of judgment which perpetuate our liberal democratic ideals in the World of Change.

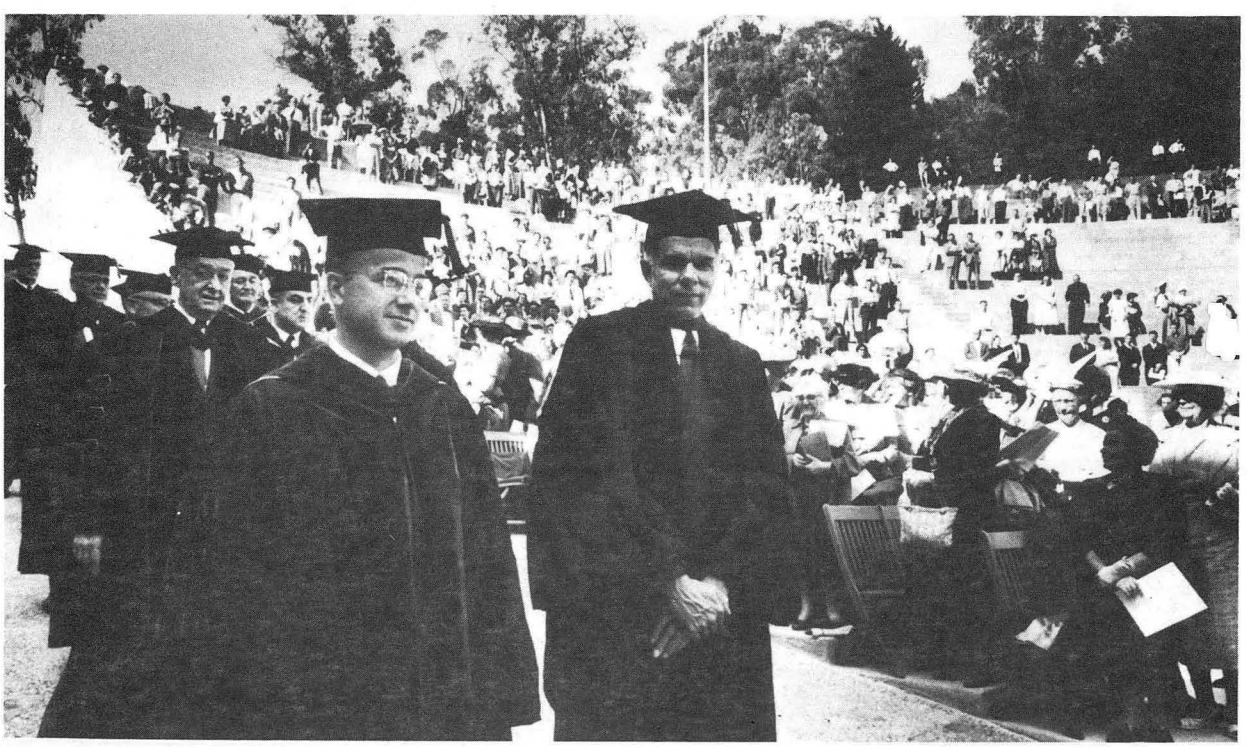


Alumni Association President Mortimer Smith, GTS, ASUC President Bill Stricklin

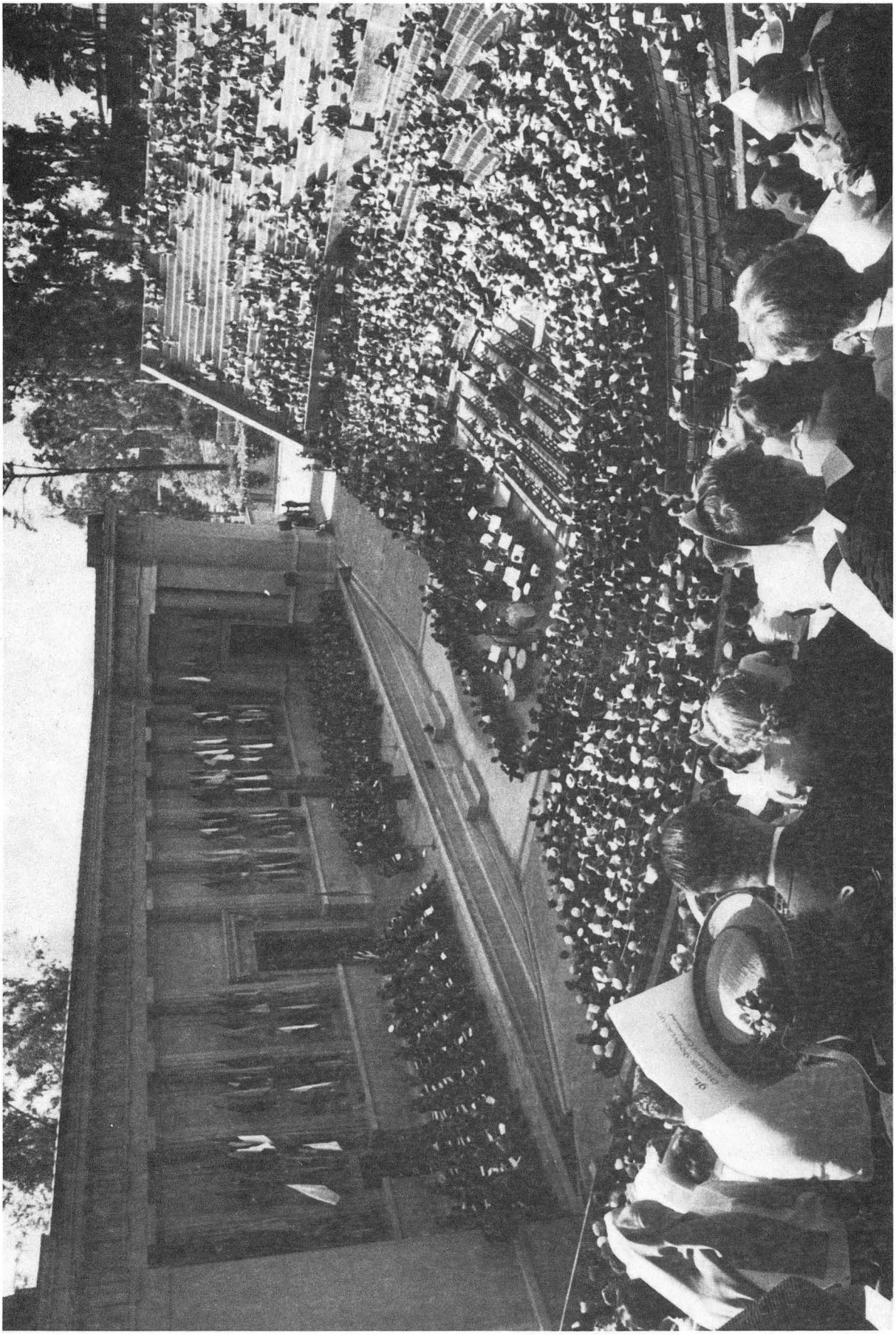


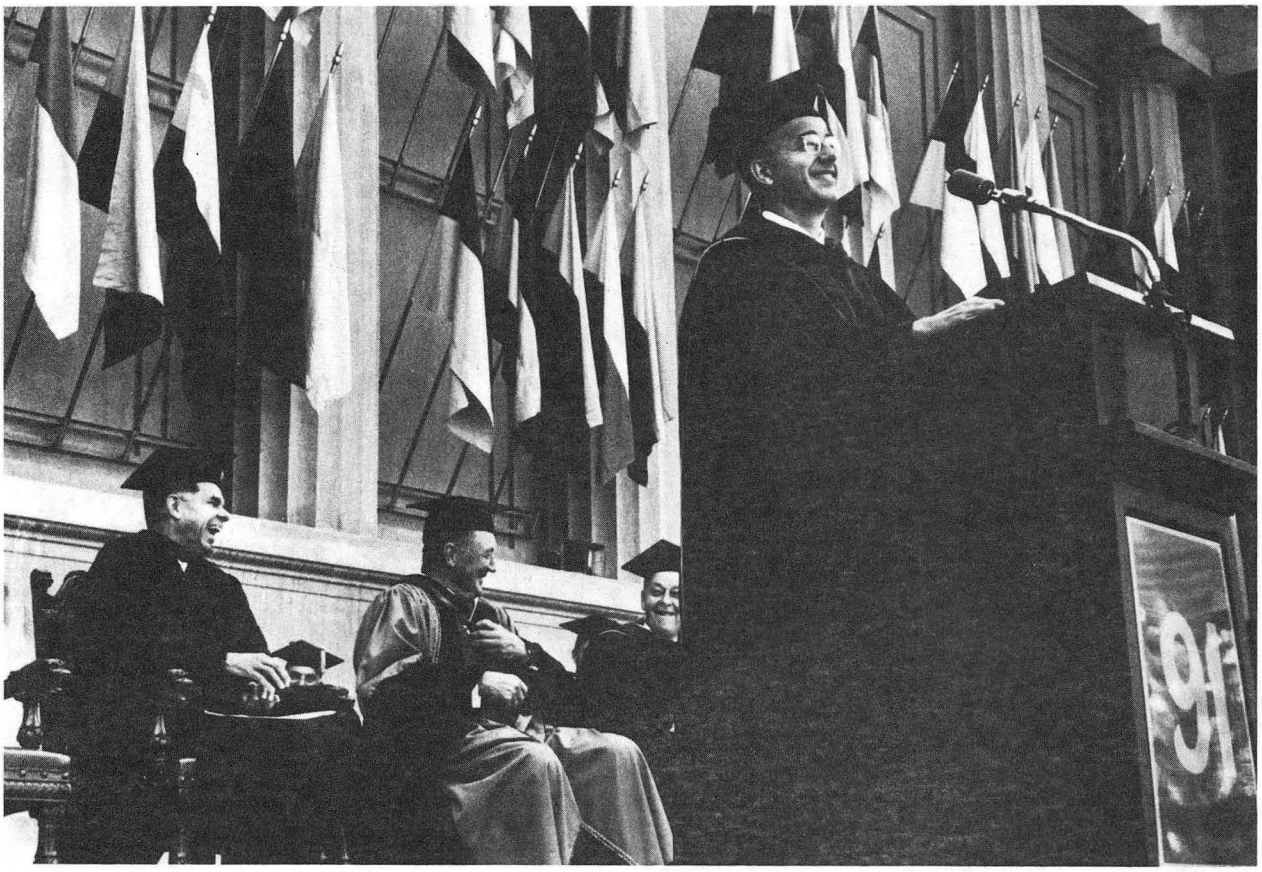
Alumni Procession

University Marshall Frank Kidner leading the Academic Procession

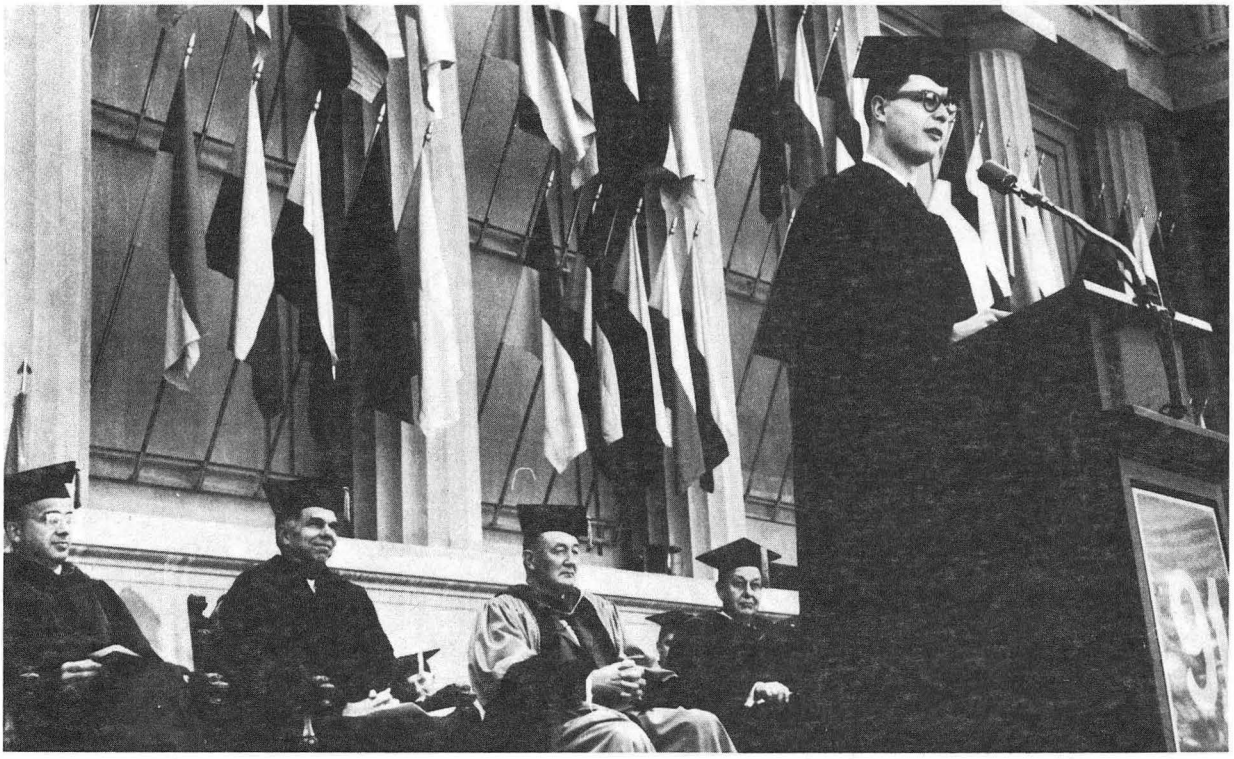


Enter UC President Clark Kerr and GTS





GTS, Regent Edwin Pauley, USC President Norman Topping, Clark Kerr at Rostrum



Kerr, GTS, Pauley, Topping, and Bill Stricklin at rostrum

Clark Kerr and GTS in a less formal moment

GTS receiving congratulations from E. T. Grether and Claude Hutchison

Kerr announced that Edwin W. Pauley (former Chairman of the Regents) has donated $1 million toward the student center now under construction on the Berkeley campus.

He also said that he is especially pleased to preside at this year's anniversary ceremony so that he could repay "Dr. Seaborg for a similar service he performed at my inauguration as President last September 29th."

Charles Malik (President of the United Nations General Assembly) spoke on "Age of Crisis". He stated that science, which helps bring on the danger of a devastating war, must help save the world and that science must be developed in our universities.

Kerr conferred honorary doctorate degrees on Professor Emeritus Albert Elkus (Department of Music, the presentation of the hood was made by David Boyden of his Department) and Edward Tolman (Department of Psychology, the presentation of the hood was made by Vice Chancellor Alex Sherriffs of his Department). We ended by singing the University Hymn and with a benediction by Reverend Brother Albert.

Following the Charter Day and Chancellor inaugural ceremony, there was a reception hosted by Helen and me and Clark and Kay Kerr in the Court of Honor in the Hearst Greek Theatre, attended by the delegates of visiting institutions and wives or escorts and guests who attended the dedication luncheon at Haas Clubhouse.

Helen and I, accompanied by the kids, then drove home. I noted in tonight's Oakland Tribune a story "Chancellor Sees War of Classroom" with the subheading "Seaborg Warns of Race with Russia at U.C. Inauguration" with a story following describing the Charter Day exercises and inaugural ceremony with some highlights concerning the talks.

After changing our clothes at home, Helen and I drove to San Francisco to attend in the Garden Court of the Sheraton Palace Hotel the Charter Anniversary Banquet sponsored by the University of California Alumni Association. The program was presided over by Mortimer Smith (President of the University of California Alumni Association). I was rather frustrated because the NCAA semi-final championship basketball game between Berkeley and the University of Cincinnati was under way in Louisville, Kentucky. I kept sneaking away from the headtable to get up-to-the-minute reports on the progress of the game.

President Kerr was called upon to make the opening remarks and in the middle of his talk, Dick Erickson rushed in and told me that we had beaten the University of Cincinnati in the semi-finals by a score of 64-58. I thought that I would have the thrill of announcing the score to the alumni present in the Garden Court, but Clark Kerr (who overheard) pulled his rank on me and announced the score himself.

I was then called upon to give my remarks. I began with some humorous reference to the confusion between the President and the Chancellor, including a deep misunderstanding by my young son Eric, and said that on occasion I am introduced as "Clark Seaborg". I boasted about the success of athletics during my regime: the football championship and now we are at the finals for the NCAA championship at Louisville. I described the organization of the

Chancellor's Office, mentioned our plans to start up a Space Sciences Laboratory on the Berkeley campus, the need for support of the humanities and social sciences, the work of the Committee on Drama, Lectures and Music on the Berkeley campus sponsoring lectures, concerts, plays, dance programs, art exhibitions, movies, speakers such as James Reston of the New York Times and C. Northcote Parkinson, Eileen Farrell appearing in "Medea" in the Greek Theatre, the opening of the Anthropology and Art Museum in Kroeber Hall, the present and planned new buildings on the Berkeley campus such as Hertz Hall, Morrison Hall, Campbell Hall (Astronomy, Mathematics and Statistics), Earth Sciences (Geology and Paleontology), Chemistry. Education-Psychology, Physics, Barrows Hall (Social Sciences, Political Science, Business Administration and Economics) and closed by saying that we are prepared for from 25,000 to 30,000 or more students within the next ten years or so.

Following my remarks, I made the presentation of the "Alumnus of the Year" Award to James B. Black (Board Chairman of the Pacific Gas & Electric Company). Following this, there were brief and humorous remarks by USC President Norman Topping and Ambassador Malik.

After the banquet there was a reception in the Rose Room for all those attending. During the reception in a conversation with Clark Kerr I told him about the strong desire of the Berkeley faculty to have an institute for African studies centered at Berkeley and that the faculty pushing this are preparing a strong case.

Helen and I drove home, arriving at about midnight.

Saturday, March 21, 1959

A story in today's San Francisco Examiner written by William Boquist has the headline "Seaborg Warning- West Needs New Ideas to Survive" and "Charter Day: Battle of Ideas Confronts Nation, Seaborg Warns" and is illustrated with a picture of Joseph Layman, 96 years-old and a member of the class of 1888, leading the Charter Day academic procession, and a picture of Charles Malik, Clark Kerr and me in our academic regalia.

Another story describes the $1 million gift to the University of California student center campaign by Regent Edwin Pauley and a $500,000 gift for the student center from former Regent Edward Heller.

I spent the day at home and read a few memoranda. One came from Robert Koshland (Personnel Manager of Levi Strauss & Co. in San Francisco) inviting me to meet with their staff and officers at a luncheon on Thursday, April 9th, at 12:30 p.m. in the penthouse of their offices in San Francisco to meet the recipients of the Levi Strauss, Walter Haas and Lucie Stern Scholarships at the University of California and Mills College and to tour their newly-modernized offices after lunch. I marked this memorandum to suggest that Jim Hart attend in my place.

I read a nice handwritten letter from Mr. and Mrs. Eldon Haines, congratulating me on my inauguration as Chancellor. Eldon is one of my graduate students.

A memorandum from Ed Strong comments on the report of the legislative analyst, Alan Post, to the Joint Legislative Budget Committee, pointing out that Post

THE INAUGURAL MESSAGE
of Chancellor Glenn T. Seaborg

LEARNING
In the World of Change

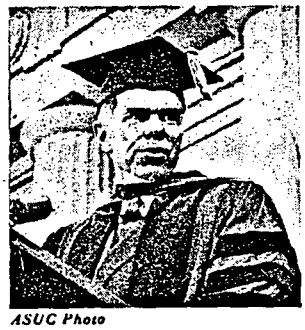
FOR THOUSANDS of years man learned but slowly and empirically about his surroundings, his natural curiosity muted by superstition and authoritarian sanction. During long periods of history, each generation acquired from its predecessor a pattern of living and thinking, lived out its life, and transmitted the old ways, virtually unchanged, to its successor. Even the Industrial Revolution, explosive in terms of previous history, was, by our standards, leisurely.

In contrast, today we live in a world of change, a time of constant, rapid revolution. We are, and shall remain, passionately dedicated to environmental metamorphosis, as fast, in as many ways, and as drastically as possible. During the past two decades we have compressed centuries of environmental evolution, as measured by ancient criteria. We speak, too glibly but not entirely without significance, of Ages, which tumble one upon another and from which only future historians will make sense: the Electrical, the Electronic, the Atomic, the Thermonuclear Ages; the Air, the Jet, the Space Ages; the Age of Automation; the Technological, the Medical Revolutions. And the future promises ever faster evolution. Before the century is finished today's civilization may seem almost primitive.

These upheavals are accompanied by political, socio-economic and moral contortions. Old forms and old ways yield to the new, and the new are replaced almost before our eyes. Value systems are summoned to new judgments. In the years ahead, as science and technology wrench society, millions of men and women will need to adapt to new and more complicated ways of earning their livelihood. Change is not a stranger to men, but the speed of today's change is unequaled by similar periods of the past.

During the Renaissance, men, questioning authority and the concepts of the universe itself, unleashed forces that destroyed ancient superstitions, and opened up new worlds of thought and conduct. No longer was it necessary for man to abjure aspirations to comprehend his environment. No longer needed he despair of influencing his destiny. Through exploration and education, man could understand. By understanding, man could improve himself infinitely, and accept individual responsibility for the conduct of society.

In America, and in the Western World generally, these ideas led us to insist that the glory of mankind lies in the highest development of the individual. We treasure personal dignity and the search for truth. We exalt reason. Through a liberal democracy, we maintain, a people enlightened can govern themselves better than they can be governed by one man or a few. While we seldom delude



ASUC Photo

Continued

Given peace, we must still look forward to decisive conflict . . . a contest of intellectual achievement

ourselves into believing we have perfected our ideals, we remain firm in the conviction that a liberal democracy is more promising for the betterment of mankind than any other system of which we have knowledge. And since the beginning of the Republic, we have held it to be axiomatic that the essential qualification of the individual in a democracy is education.

In the beginnings of the Republic, of course, the franchise was by no means universal, and the early proprietors of our government were for the most part well educated. But as the franchise broadened, it became accepted that common sense, together with education consisting of the three R's, was necessary for intelligent participation in a democratic society. In a slower and simpler world such an education may have served. But it is not adequate today. Neither is the education of a quarter of a century ago sufficient equipment for today's and tomorrow's World of Change.

For knowledge has mushroomed out of all bounds, and we are only at the beginning of knowledge-gathering. What we know is only enough to spur us on to greater effort. How can the individual citizen act intelligently on issues that are conditioned by forces that are outside his understanding?

IF WE had only to cope with change within our own national boundaries, we would have more than enough problems. We could readily find enough diversion in the consequences of the advances in technology and medicine, which have brought material wealth, longer life and a population explosion. But our Age of Change embraces the whole world, and the world is now a small place. The problems of others are our problems. The non-Western peoples of the world, technologically asleep several ages behind, have awakened with a start. They demand to share equally and without delay in material wealth with their Western brothers. That they will succeed, perhaps not as quickly as they or we would hope, we all acknowledge. How they succeed may well determine the nature of world civilization of the future.

For the world is now engaged in a contest, perhaps the final contest of civilization, in which the major alternatives are the ideologies of Western liberal democracy and communism. In this contest, there is, of course, still the menace of fearful war. Yet despite occasional frightening episodes to the contrary, the awareness appears to be growing that war today is a more irrational method than ever of settling international disputes. The longer we can delay violence the keener will be the awareness, and the greater the chance of reason's prevailing.

GIVEN peace, we must still look to a decisive conflict. This is a contest of ideas and of intellectual achievement and performance, in which the "blood, toil, tears and sweat" will be spent in the classrooms, the libraries and the laboratories. The skirmishes of this war, which mercifully does not involve nuclear weapons, have already begun. There was no signal, no Redcoat clanking along the road to Lexington, no bomber over Pearl Harbor, no sudden horror to arouse the people to intellectual arms. This war came upon us silently, and, I fear, while we were complacently distracted with our material pleasures and somewhat indifferent to the need for constant nourishment of our liberties. This war will end gradually, without signal, and perhaps without the defeated knowing it for some time. For in the hearts and practices of the uncommitted peoples will be the seeds of humanism or the seeds of authoritarianism, implanted by the ideological and intellectual performances of one or the other.

What must we do to adapt ourselves to our World of Change? Five interrelated factors are cogent to our success: time, complexity, values, education and research.

TIME, the lubricant of smooth operation of democracy in the past, is our least abundant commodity. Democratic judgments must be more quickly and more surely exercised than ever before.

Such judgments must be exercised of more complex problems than liberal democracies have ever faced. The progressive fragmentation and growth of knowledge makes it increasingly difficult for the individual to know enough to act intelligently.

Through inspired leadership of committed and articulate men and women from all sections of society, I believe our citizens must be convinced of the reality of the non-military trials that lie ahead. Once persuaded, I believe we will re-examine some of our values. Can we afford the present emphasis on leisure and material goods? In the harsh days of the 1930's, we dreamed of a Nirvana of

Learning in the World of Change

(Continued from page 12)

wealth, security, and leisure. As a people we have gone far toward achieving a material paradise. But are we meanwhile doing what we must to preserve the ideals upon which our Nirvana is based? As our modern patrons, the machines, free us more from physical labor, must we not do more mental work to cope with the challenges of the World of Change? Do we not need motivations in this direction as intense as those imparted by dangers from shooting wars?

IF WE need to decide more complex matters more quickly, and incidentally operate an increasingly complicated industrial and technological apparatus, we must look to the more adequate preparation of citizens. Our nation and our educational system, led by the Universities, must gird themselves for greater effort in several ways: the upward movement of the educational level of the whole population, which has been going on for some time, must be accelerated; we must search out and stimulate the fullest development of gifted young people in all creative fields; we must impart the conviction that education is a lifelong job; and we must seek a balance in educational content that will equip the intellect for the World of Change.

We are assailed on all sides by evidence of the failure of individuals to develop their talents fully.

At the present time, of the American high school graduates who rank in the top 25 per cent, apparently only about one-half go to college. Similarly, large numbers of college graduates capable of advanced study take no further academic training. Nor can our labor force be neglected; properly trained, the majority are capable of moving, and must move, up to higher, more rewarding and necessary skills. According to our creed, the individual must be free to cultivate to the utmost his own talents. If we are to survive in the contest of the intellect, we must persuade young people that fullest development of their talents will be rewarding to them and is essential to the survival of humanist ideals.

To the same ends, we must extend our efforts to rescue lost talent, among women and among minority groups. We must do more research in the development of new educational techniques, not only to get more information into people but to sharpen the individual's critical sense.

In seeking better intellectual equipment for our World of Change, we must seek a balance of knowledge that will make us more effective citizens of our time. At one time, a scholar was by definition a student of religion; at another, a student of Greek, Latin and the classics. Today knowledge is valued throughout the continuum of human experience. There is beauty in discovery, mathematics in music, a kinship of science and poetry in the description of nature, and exquisite form in a molecule. Attempts to place different disciplines in different camps are revealed as artificial in the face of the unity of knowledge. All literate men are sustained by the philosopher, the historian, the political analyst, the economist, the scientist, the poet, the artist and the musician. Above all, if it is true that the proper study of man is man, then we must always emphasize efforts to understand people in their great wonder and variety.

As we measure our educational curricula at all levels against our heritage of knowledge, we must be constantly alert to imbalances. At the present time it seems clear that one teaching modification should be made in the field of science, whose onrush to such a critical position in our affairs has caught our educational system unaware.

Science provides the momentum of our World of Change. Upon decisions

about science and technology hang the fates of peoples and ideologies, our own included. If it is true that every man in a democracy need not be an originator of policy but must be a good judge of it, then our citizens must be well enough acquainted with the general principles of science to be good judges of policy based upon it, or at least to be able to reject spurious policies founded on pseudoscience or nonscience.

I WOULD wager that a Gallup Poll would disclose few Americans who feel they do not know everything about politics. A majority of us, surely, would take pride in our judgment of economics and business, although we might confess to being a little short on a few of the more complex technicalities. However, an overwhelming majority, I wager, would disclaim unabashedly, perhaps even with some pride, any knowledge of science.

It would be folly to suggest that every person become a scientist or be expected to comprehend the intricacies of arcane theories, any more than we would suggest that everyone, while we would like to have him appreciate poetry, should become a poet.

But until our people become as much at home with science as with other phases of our national life, I fear that, in the continuing World of Change, we shall have increasing difficulty living up to the ideal of an informed people as the proprietors of liberal democracy.

When I say we must seek a citizenry with scientific literacy by adding science to the curriculum, that knowledge of science should be truly a part of a liberal education, one may reply, "what shall we cut out?" Not any of the humanities, I will agree. And I can only say that science must be added. Our age of intellect requires more of us than ever before. Do we not have some margin of leisure to use up without suggesting the Draconian extremes of authoritarian systems? What I would suggest is not, I believe, an overemphasis on science in the general educational curriculum but a modest correction of what seems to me to be an underemphasis that can be fatal in our World of Change.

IN ADDITION to the teaching obligation, the University has the special charge to create new knowledge. A condition of our successful adaptation to the World of Change is the cultivation, in University centers, of incisive minds to extend the quarrying of new meanings from nature, the perception of new relationships in human experience, and the capture of new insights into beauty. We have become accustomed to what may seem at first glance large outlays from the Federal Government for scientific research. Yet when we measure the total funds for such investigations against the potential and the need, we find excellent estimates that support of *basic* science is less than one-half what could be invested to our great profit. If basic scientific research is impoverished, consider how poorly supported is the creation of knowledge in the arts, humanities and the social sciences, whose association with the national welfare, unlike science, has been poorly recognized. There is here an imbalance in the stimulation of knowledge-seeking, which, I believe, we must work to correct. For example, just as our University now has many sources of funds to provide scientists with periods of freedom to create, so should we be able to afford the same opportunity to scholars in the arts, humanities and social sciences.

GIVEN the conditions of our World of Change, in which learning will determine the rise or fall of our culture, we as a nation, can shrink from adequate support of education only at our peril. The bill for teaching and for knowledge-seeking sometimes may seem high. Yet we are only at the beginning of the needs of a nation bursting at the seams with talented new generations whose success will depend upon their depth of knowledge and their opportunity for intellectual exploration. We have a pioneering tradition of finding ways to support the development of our frontiers. We gave away free lands in the West. We have subsidized the railroads, the airlines, the shipping industry. We cannot fail, in our great wealth, and our equally great need, to find the means to develop our brainpower, the critical resource of our age. For if it were nothing more, and it is a great deal more, education is, in the words of Burke, "the cheap defense of nations."

Perhaps the spirit of our pioneering past is the spirit we must seek for our present and future World of Change. For as we search the world for horizons, wherever we turn we see them through education. Learning and discovery are the New Worlds and the Old West, the lands of opportunity in the 20th Century. In intellectual activity there is always virgin soil to be tilled by the mind.

With the will to meet the future and the motivation and support for maximum fulfillment of individual talents, we can nourish the creativity and powers of judgment which perpetuate our liberal democratic ideals in the World of Change. ◄

THE DAILY CALIFORNIAN - March 20, 1959

CHARTER DAY—SEABORG INAUGURATED

CHANCELLOR GLENN T. SEABORG will be inaugurated this afternoon as a part of the annual Charter Day ceremonies, to be held from 2 to 4 p.m. in the Greek Theatre.

The celebration of the 91st anniversary of the University's chartering will take place today with one of the most colorful Charter Day programs of recent years, highlighted by the official inauguration of Glenn T. Seaborg as Chancellor.

The joint Charter Day Inauguration ceremonies will begin at 2:30 p.m. in the Greek Theatre. Classes from 2-4 p.m. will be suspended.

Seaborg took over the post of chief Berkeley administrative officer last August 15. An internationally-renowned atomic scientist, he is noted for his research on the transuranium elements, for which he and Edwin M. McMillan, director of the Lawrence Radiation Laboratory, received the Nobel Prize in chemistry in 1951.

Since 1940, Seaborg has been co-discoverer of all nine artificial elements between plutonium (element 94) and the recently discovered element 102.

Seaborg received his A.B. degree at UCLA, but acquired his Ph.D. at Berkeley. He is the only University alumnus who has been named "Alumnus of the Year" by Alumni Associations of both the Los Angeles and Berkeley campuses.

During today's ceremonies, greetings from the state of California will be extended by Governor Edmund G. Brown. Other representative speakers will include Donald H. McLaughlin, Chairman of the Regents; Mortimer Smith, president of the California Alumni Association; ASUC President Bill Stricklin; Frank Kidner, Vice-chairman of the Northern Section of the Academic Senate; and USC President Norman Topping.

Delegates from 50 California colleges, universities, and other institutions will march in the impressive academic procession from Campanile Esplanade to the Greek Theatre, led by Frank L. Kidner, professor of economics and University Marshal. They will be preceded by the traditional alumni class procession and followed by a special guard of honor composed of 100 senior men.

Clark Kerr, who served as Berkeley chancellor until he was inaugurated as President of the University last September, will deliver the annual Presidential Charter Day message.

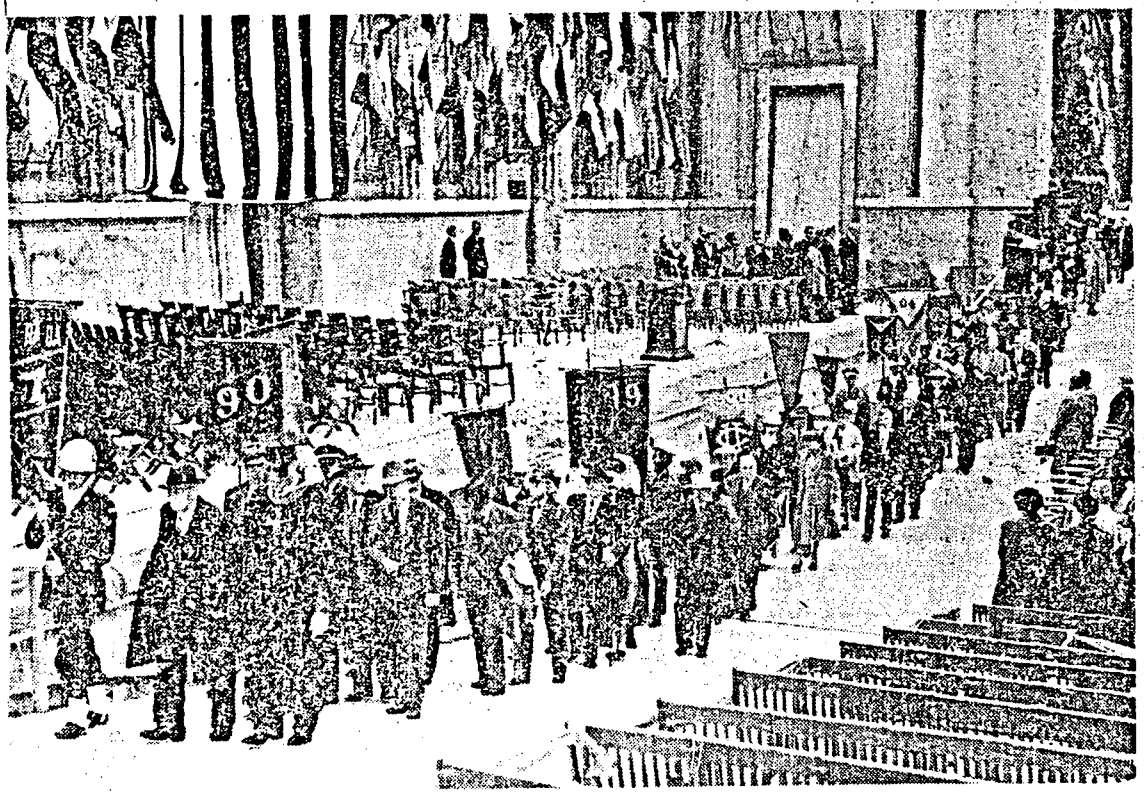
Seaborg, Nobel Laureate professor of chemistry and associate director of the Lawrence Radiation Laboratory, will deliver his inaugural address during the afternoon exercises.

The program will include the conferring of honorary doctor of laws degrees by President Kerr on two distinguished professors emeriti who achieved international recognition in their respective fields: Albert I. Elkus, professor of music, and Edward C. Tolman, professor of psychology.

The Charter Anniversary Banquet, sponsored by the California Alumni Association, will take place at 7 p.m. today in the Garden Court of San Francisco's Sheraton-Palace Hotel, with Mortimer Smith presiding. James B. Black, chairman of the board of the Pacific Gas and Electric Company, will receive the "Alumnus of the Year" award for 1958. Kerr, Seaborg and Charles Malik, the Charter Day guest speaker, will be among the speakers.

THE DAILY CALIFORNIAN • Friday, March 20, 1959

Greek Theatre Hosts Charter Day



POMP AND CIRCUMSTANCE such as that pictured above will be much in evidence today as the academic procession marches from the Campanile plaza to the Greek Theatre.

Chancellor Seaborg's Life Includes Science, Athletics

By JANIE SEMPLE

From a boy whose dream was to become an All-American football end has come one of the great scientific minds in the world today.

Glenn T. Seaborg, who will be inaugurated as Chancellor of the University today, was too light for football, so he was told. His first thought of becoming a scientist came in his junior year in high school.

Winner of the Nobel Prize in chemistry in 1951, Seaborg displays it on the same shelf with his Big C golf tournament cup. Admitting he had a handicap, he won the cup by one stroke.

SEABORG'S CHILDHOOD

Seaborg was born in the mining town of Ishpeming, Michigan. According to John Voelker of Ishpeming Seaborg was a quiet boy and shared the usual childhood sicknesses with his "non-nuclear" schoolmates.

Voelker wonders if there were some strange chemistry in the hills of Ishpeming that attracted the future nuclear chemist. He tells this story of Seaborg's early childhood:

When Seaborg was two years old, he learned to count his age, which was a very proud achievement. Shortly after this he was taken to visit an uncle's farm.

COW COUNTING

The uncle owned three cows, and Seaborg followed them about the fields. When he returned home a neighbor asked him how many cows he had seen. Seaborg frowned and grew thoughtful. The problem and its abstractions appeared to be insoluble.

At length he piped up, "I thaw two cows . . . and there was one more."

Seaborg earned his own spending money in high school by taking paper routes and mowing lawns. When he graduated from high school he went to work in a warehouse as a stevedore. Three weeks later he secured a job as night laboratory assistant in the Firestone Tire and Rubber Company.

He entered UCLA in 1929 and was forced to earn his way through school. In the summer of 1930 he earned money by picking apricots in the San Joaquin Valley. Later in the summer he became an apprentice to a linetype machinist for the Los Angeles Herald, keeping the machines cleaned and oiled.

UNIVERSITY CAREER

In 1939 he became an instructor at the University of California and in 1941 was promoted to assistant professor. Skipping the rank of associate professor, he was promoted to full professor in 1945.

Seaborg's fame rises from his discoveries, with associates, of such previously unknown elements as Plutonium, Americum, Curium, Berkeleium, Californum, Einsteinium, Fermium and Mendelevium.

One of his more important contributions to science was his recognition that the heavy elements form a transition series of "actinide" elements in a manner analogous to the rare earth series of "lanthanide" elements.

Seaborg's publications now stand at about 160. He is currently writing two books in collaboration with his colleagues, "A Short History of Actinide Elements" and "Nuclear Properties of the Heaviest Elements."

EISENHOWER APPOINTMENT

He was recently appointed to President Eisenhower's Scientific Advisory Committee.

In spite of his time-consuming scientific activities, Seaborg has long been an ardent sports fan. For years he was seen in the locker rooms after basketball games. The players thought he was an alumnus.

His chief hobby is golf, which he finds relaxing, and he shoots in the 90's. Football is his favorite spectator sport. Since 1953 he has served as faculty athletic representative of the University.

The Seaborgs have five children and live in Lafayette, next door to I. Perlman, professor of chemistry at the University.

Seaborg is presently trying to decide if he likes his job as Chancellor. The position lasts for an indefinite length of time, or as Seaborg puts it, "during good behavior."

He said as Chancellor he is mainly interested in preserving a balance at the University. Although he is fully aware of the need for more scientists, he feels that the humanities must also have their place.

Seaborg is still continuing his scientific research and balances his time between that and his administrative duties.

DAILY CALIFORNIAN
March 20, 1959

OAKLAND TRIBUNE
March 20, 1959

Chancellor Sees 'War of Classroom'

Seaborg Warns of Race With Russia At U.C. Inauguration

BERKELEY, March 20—Dr. Glenn T. Seaborg today pleaded with the free world to prepare for the decisive "classroom war" with communism at his inauguration as University of California Chancellor.

In addition to the investiture of Dr. Seaborg, highlights of the colorful and eventful 91st Charter Day Exercises in the university's Greek Theater this afternoon included:

1—Announcement by U.C. President Clark Kerr that Southern California oil magnate Edwin W. Pauley, former chairman of the Regents, has donated $1,000,000 toward the student center now under construction on the Berkeley campus.

PROFESSORS HONORED

2—Receipt of honorary doctor of laws degrees by two famous professors, Albert I. Elkus and Edward C. Tolman.

3—Emphasis on the responsibilities of the university in an "Age of Crisis" in an address by Dr. Charles Malik, president of the United Nations General Assembly.

Dr. Seaborg, 46, the second Berkeley chancellor in U.C. history, stated that the final East-West war, "which mercifully does not include nuclear weapons," has already begun.

The Nobel Laureate in chemistry predicted that the "blood, sweat and tears will be shed in the classrooms, libraries and laboratories" and that the war will end gradually "and perhaps without the defeated knowing it for a long time."

VITAL QUESTION

How can America prepare for battle?

Seaborg outlined a program stressing acceleration of the upward movement of the educational level, stimulation to the fullest of gifted young people, development of the conviction that education is a life-long job and broadening the content of education to equip the intellect for the "World of Change."

He called for correction of "an underemphasis on science that can be fatal. Until our people become as much at home with science as with other phases of our national life, I fear that we shall have increasing difficulty living up to the ideal of an informed people as the proprietors of liberal democracy."

WORD OF CAUTION

But the new chancellor, who took over as chief campus administrator from President Clark Kerr on Aug. 15, cautioned against an overemphasis on science.

"Just as our university now has funds to provide scientists with periods of freedom to create, so should we be able to afford the same opportunity to scholars in the arts, humanities and social sciences," he declared.

The traditional, impressive procession from the Campanile to the theater was led by Joseph Layman, class of 1888, a retired medical librarian from Oakland.

ALUMNI PARADE

The alumni parade was followed by delegates from other universities and institutions and members of the U.C. faculty—all garbed in the academic robes denoting their fields of study.

Once inside the amphitheater, built into a Berkeley hillside, President Kerr pointed out that he was especially pleased to preside at this year's anniversary ceremony so that he could repay Dr. Seaborg "for a similar service he performed at my inauguration as President last Sept. 29."

Greetings were also extended to the new chancellor by Gov. Edmund G. Brown, Regents Chairman Donald H. McLaughlin, Alumni Association President Mortimer Smith, Associated Students President William Stricklin, Academic Senate Vice-Chairman Frank L. Kidner and Norman Topping, president of the University of Southern California.

GUEST OF HONOR

Guest of honor at the exercises was Dr. Malik, former Lebanese ambassador to the United States.

Dr. Malik stated that science, which helped bring on the danger of a devastating war, must help save the world.

He said that science must be developed in our universities, which must remain as "temples of truth," dealing primarily with the realization that "our common humanity" is above all distinctions in nation, race, culture or class.

Dr. Malik blasted the "myth of peaceful co-existence" with communism. Peace with communism cannot be obtained until the ideology overcomes itself, the United Nations leader pointed out.

He urged that the free world bring out "in all love and understanding" the great literature, scientific and spiritual achievements of the Russian people.

OTHER CULTURES

Universities have a responsibility to establish research institutes in the language and cultures of Asia and Africa, he added.

Prior to the Greek Theater ceremonies, President Kerr dedicated the university's new $400,000 Strawberry Canyon Recreation Area at an informal luncheon.

The California Alumni Association will honor its "Alumnus of the Year" tonight at the annual Charter Anniversary banquet in the Sheraton-Palace Hotel.

The honor will be given to James B. Black, board chairman of the Pacific Gas and Electric company.

BERKELEY DAILY GAZETTE

Friday Evening, March 20, 1959

UN Chief Voices Plea for Peace; Teachers Feted

By GERALD BEATTY

The University of California celebrated its ninety-first anniversary today with a bow to past and a prayer for future accomplishments.

The university awarded honorary degrees to two retired profesors, invested Dr. Glenn T. Seaborg with the chancellor's robes of office, and heard a plea for peace from Dr. Charles Malik, president of the United Nations General Assembly.

The annual Charter Day exercises were conducted under the panoply of tradition in the Greek Theater before an audience of 10,000 that overflowed

MORE CHARTER DAY NEWS ON PAGE 13

the hard white concrete benches to the lawn above the theater.

An unseasonably warm sun shone on the faces of the audience, while on the stage of the theater, shadows blended with the black gowns of the faculty.

TWO BY TWO

As is customary, the faculty, led by President Clark Kerr, formed at the base of the Campanile and marched up the hill to the theater. The UC Concert Band played spirited marches as the faculty entered two by two in a seemingly unending line.

In the forefront with President Kerr were Emeritus Professors Albert Elkus, former head of the music department, and Edward Tolman, noted psychologist, who received honorary degrees.

Also in the presidential party were Dr. Malik and Dr. Seaborg, who added the duties of chancellor to his scientific research which already has earned him a Nobel Prize.

Since it was his day, so to speak, Dr. Seaborg delivered his first major address as chancellor.

Noting that we live in an age of evolution, where each day

Chancellor's Robes Accorded Seaborg

[Continued From Page One]

seems to bring new changes, he called for an educational system keeping pace and keeping the peace.

THREAT OF WAR

"The world is engaged in a contest, perhaps the final contest of civilization, in which the major alternatives are the ideologies of the Western liberal democracy and communism. And there is a threat of war.

"Yet, despite occasional episodes to the contrary, the awareness seems to be growing that war today is a more irrational method than ever of settling international disputes," he said.

Dr. Seaborg suggested that the longer we can delay violence, the keener will be that awareness and the greater the chance for reason prevailing.

He warned that even with peace "We must look to a decisive conflict."

The new war, to his way of thinking, will be one of "blood, sweat and tears" in the classrooms, libraries and laboratories.

"The war has already begun—silently," Seaborg said. "It came at a time when we were distracted with our material pleasures and indifferent to the need for constant nourishment of our liberties.

"The war will end gradually, without any signal. And the defeated may not even know that he has lost," the scientist said.

"For in the hearts and practices of the uncommitted peoples will be the seeds of humanism or authoritarianism, implanted by the ideological and intellectual performances of one side or the other."

MAJOR FACTORS

For successful adaption to the world of change, he listed five factors that hold the key: time, complexity, values, education and research.

"Time is our least abundant commodity and we must make our democratic judgments more quickly and surely than ever before," he said.

"While we must act more quickly, the matters on which we must act grow increasingly more complex.

"Once persuaded, I believe we will re-examine some of our values. Can we afford the present emphasis on leisure and material goods? We have gone far towards our ideals of a material paradise, but are we preserving our ideals?" he asked.

He urged the more careful utilization of our educational system and noted that of the top 25 per cent of high school graduates only one-half go on to college. He touched on the failure of brighter college graduates to go into research and the lost talent among women and minority groups.

Research into educational techniques to get more information into people and to sharpen their critical sense, was urged by the chancellor.

Dr. Seaborg demanded more balance of knowledge, including more science, but not at the expense of the humanities.

does not understand the greater workload involved in graduate instruction as compared to undergraduate instruction, that his proposal to impose a tuition fee on students is unreasonable, that his views on the need for increased utilization of University facilities need to be carefully watched, and his proposals that he should effectively evaluate the use of faculty time in the University raises the question of whether this is the business of the State legislature.

Ed Salzman (Oakland Tribune) came out with a photographer to take some pictures of the family and to interview me regarding my chancellorship with emphasis on my interest in athletics.

In the early evening the entire family gathered in the playroom around the television set to watch the NCAA championship basketball game played by Berkeley and the University of West Virginia in Louisville, Kentucky. During the early-going our team fell behind 13-23 so Coach Pete Newell called time out. After this had the desired effect and our team pulled even again, Dave asked me what Pete Newell had said to the players during the time out in order to get them back in the game. Bob Dalton and Jack Grout did a great job of guarding West Virginia's outstanding Jerry West throughout the game. Our team forged ahead, but then the University of West Virginia put on a full court press and was within a point (69-68) with 51 seconds left. With less than 20 seconds in the game Darrall Imhoff scored a basket after rebounding his own misshot to put us ahead 71-69. West Virginia raced downcourt and scored, but time ran out. The final score of the game: Cal, 71, West Virginia, 70.

Following the game Helen and I had quite an evening. First we attended a party at the home of Dick Burleigh (2828 Prince Street) celebrating the authorization from the Department of Energy to build our 88-Inch Cyclotron in the Radiation Laboratory. Then we looked in on the gymnastics final of the NCAA being held in Harmon Gym. From there we drove to the Mira Vista Country Club to attend the informal dance of the Smyth- Fernwald Association. Everywhere we went there was wild enthusiasm over our winning the NCAA Basketball championship.

Sunday, March 22, 1959

In this morning's Oakland Tribune the story by Ed Salzman appeared with the headline "Chancellor Seaborg Forsook Grid Dream for Science Fame" together with a picture taken yesterday at our home of our entire family--Helen and me, Peter, David, Lynne, Eric and Stephen. This story uses the theme that probably the greatest disappointment in my life was the realization that I was not heavy enough to make the varsity football team in high school, that my greatest ambition was to become a great end rivalling Don Hutson (of the Green Bay Packers) in gridiron history. He describes my role as Faculty Athletic Representative, a job which put me in the spotlight as the Pacific Coast Conference was demolished, and describes my career in a number of non-scientific endeavors on the Berkeley campus prior to my appointment as Chancellor.

Garff Wilson called to suggest that we have a University Meeting for students to honor our NCAA championship basketball team and I readily agreed and said that I will immediately begin to make arrangements for this tomorrow. I asked him to call Pete Newell if he can reach him back East to get his assent.

SAN FRANCISCO CHRONICLE
March 21, 1959

Education Called Key To Survival

Two dynamic figures in this world of change—a diplomat of international stature and a Nobel laureate in chemistry—agreed yesterday that the final battle between democracy and Communism will be fought in the classroom.

Both of them, Dr. Glenn T. Seaborg, the University of California's new Chancellor, and Dr. Charles Malik, president of the 13th General Assembly of the United Nations, warned, in essence, that a decisive conflict between East and West is yet to come.

But the critical weapons, they said, will be brainpower and the "infinite glories of science and spirituality."

The two men were participating in the University of California's Charter Day exercises, held in the Greek Theater to commemorate the 91st anniversary of the university's founding. The ceremonies marked Seaborg's formal inauguration as Chancellor.

WAR'S MENACE

Seaborg told an audience of 5000 that, given peace, the peoples of the world must still look toward a decisive conflict—"a contest of ideas and of intellectual achievement and performance in which the 'blood, sweat and tears' will be shed in classrooms, libraries and laboratories."

The realities of the nonmilitary trials ahead, he said, require the fullest development of individual talents, increased research, and increased and better balanced educational facilities.

'WEST'S ADVANTAGE'

Malik, former Lebanese envoy to the United States, said that if the West has any decisive superiority over the Communist world it lies in the "wonderful recent revival of liberal education."

In the West's great free universities, he said it is "nonsense" to set up a competition between liberal education and scientific culture.

"If the West has any decisive superiority," Malik said, "it consists in the intensive cultivation of theory whereby the mind penetrates, understands and exploits nature."

ROLE OF SCIENCE

The answer to the danger of war, he said, is more science and still more science.

"It was science that helped to create this material civilization with its infinite dangers," he said, "and it is science that must help to save it unto its infinite possible glories."

He warned that there will be no true peace with Communism until Communism radically modifies its character, overcomes itself and allows the Russian people free expression of their literary, scientific and spiritual genius.

And similarly, he said, it is the immediate task of the Western university to lend a hand to the emerging peoples of Asia and Africa through the "law of nature and liberal and scientific education."

PAULEY GIFT

President Clark Kerr, making his first public address since his own inauguration last fall, formally announced yesterday that Regent Edwin W. Pauley, Los Angeles oil man, has made a gift of $1 million to the university.

Kerr reviewed the activities and importance of the university to the State and said much had depended upon private donations. He particularly cited gifts that made possible the development of Strawberry Canyon Recreational Area, dedicated earlier in the day, notably from Walter A. Haas and the Haas family.

STUDENT CENTER

The UC president said that to date about $2,375,000 has been raised for the California Student Center. Pauley's gift was for this project, as was a $500,000 gift from former Regent Edward H. Heller, San Francisco financier.

A third large gift, Kerr said, has come from Mr. and Mrs. Charles Lee Tilden Jr., of Oakland, in memory of their son, Charles Lee Tilden III, a former UC student.

OAKLAND TRIBUNE

PARTICIPANTS—Taking part in U.C. Charter Day events were (from left) Chancellor Glenn T. Seaborg; Dr. Charles Malik, U.N. Assembly president, and Dr. Clark Kerr, president of the university. Seaborg was officially inaugurated at the ceremonies.

BERKELEY DAILY GAZETTE

Saturday Evening, March 21, 1959

Dr. Glenn T. Seaborg, left, receives a mighty handclasp from University of California President Clark Kerr, after Seaborg was officially installed as chancellor of the local campus. The ceremonies were part of the ninety-first UC Charter Day exercises.

NEW YORK TIMES

March 22, 1959

SOVIET AT WORK ON NEW REACTOR

Ultra-High Flux Device May Help in Discovery of New Elements, Seaborg Says

Special to The New York Times.

BERKELEY, Calif., March 21—Soviet scientists may forge ahead of the United States in the discovery of new elements and the study of the structures of heavy nuclei, Dr. Glenn T. Seaborg, Nobel Laureate, said here this week.

The statement was made in the annual Faculty Research Lecture, a traditional event of the university's Charter Week, during which Dr. Seaborg was inaugurated as chancellor of the Berkeley campus of the University of California.

Soviet scientists have started construction of an ultra-high flux nuclear reactor, which is basic to the creation and discovery of elements above the heaviest now known—element 102, discovered at Berkeley last year. Such a reactor has not yet been authorized in this country, Dr. Seaborg said.

Large Number of Neutrons

The ultra-high flux recator is designed to create an enormous number of neutrons in a small area. With an extremely high neutron flux it will be possible to recreate, on a more modest scale, the conditions that occur in super novae (exploding stars) and hydrogen bombs. In these two situations ordinary atomic nuclei capture many neutrons, are thus "fattened up" and become nuclei of heavier atoms.

Elements 99 and 100, for example, were discovered in the debris of the first thermonuclear explosion at Bikini.

In an ultra-high flux reactor it would be possible, through the multiple-capture process, to build up plutonium to element 98, californium. Milligram (a thousandth of a gram) quantities of californium could be produced. In terms of such material milligrams are large amounts. The californium could be bombarded in the big accelerator at Berkeley, especially built for speeding up heavy particles. A heavy particle, when added to californium, would produce heavy elements ranging up to 104, 105 or higher.

An ultra-high flux, enriched uranium reactor in this country would cost about $10,000,000, according to Dr. Seaborg, and would require more developmental research. It would generate about 100,000 kilowatts of energy, which is on the order of the power from the huge Shippingport commercial power reactor.

Smaller Reactor Core

This energy would be generated in about one cubic foot of space, however, whereas the core of the Shippingport reactor is much larger. In this small core there would be up to five million billion neutrons a second a square centimeter.

Dr. Seaborg said that the creation and study of heavier elements is important in yielding new insight into the structure of nuclei all through the heavy part of the periodic table.

Dr. Seaborg also said that Soviet researchers may also have created and identified an isotope of element 102, one different from that reported by Berkeley scientists last year. The Berkeley isotope has an atomic weight of 254. The Soviet isotope of element 102 appears to have a weight of 253, although identification is not yet certain.

All of the elements heavier than uranium, element 92, have so far been discovered in the United States. Berkeley scientists have discovered or shared in the discovery of all ten.

Tribune photo

CHANCELLOR'S FAMILY—Dr. Glenn T. Seaborg, new University of California chancellor, is shown in his Lafayette home with his wife, Helen, and their five children (from left), Peter, David, Lynne, Eric and Stephen. He is a noted chemist.

Chancellor Seaborg Forsook Grid Dream for Science Fame

Oakland Tribune, Sunday, March 22, 1959

By ED SALZMAN

BERKELEY, March 21—Although University of California Chancellor Glenn T. Seaborg is one of the world's most honored men, he never came even close to achieving his foremost ambition—selection as an All-American football player.

Dr. Seaborg has won the Nobel Prize in chemistry. Yesterday he was inaugurated as administrative chief of the Berkeley campus, one of the nation's top educational posts.

As a youngster, however, neither of these great scientific and educational laurels would have impressed Seaborg in the least. He desired only to become a great end rivaling Don Hutson in gridiron history.

Probably the greatest disappointment in Seaborg's life was the realization that he wasn't heavy enough to make the varsity football team in high school.

NEW ENTHUSIASM

With the "dream of my life" an impossibility, Seaborg decided to become excited about science at the urging of a teacher in David Starr Jordan High School in South Gate.

Even while concentrating on chemistry and other academic pursuits, Seaborg worked hard at sandlot football, hoping that perhaps he would become heavy enough to play in college.

Playmates recall that young Glenn was always captain of his team and "loved intricate plays" with laterals and reverses — and almost always winding up with a pass to end Seaborg.

While studying and working to become a leader in the field of nuclear chemistry, Dr. Seaborg never lost interest in athletics. That more than anything else probably prepared him for the job as chancellor.

ARDENT SPORT FAN

When Seaborg became a member of the U.C. faculty, he was a constant visitor to locker rooms of the Cal teams.

U.C. athletes — as well as other students—began to bring their problems to him. They found that Seaborg has a fantastic memory, both for names and the worries of each student.

Although Seaborg was appointed chancellor in the post-Sputnik science age, he is certain that he would have been chosen if he had been a Latin professor.

His concern for student welfare is so strong that he refused to move his office to Sproul Hall, the Berkeley campus administration building, from Dwinelle Hall because the old spot was "closer to the students."

RARE OCCURRENCE

Only one other scientist in American history, of Seaborg's stature, has ever become head of a major educational institution with varied curriculum. That was in 1945, when Nobel prize winner Arthur H. Compton was appointed president of Washington University in St. Louis.

While conducting research at the U.C. radiation laboratory and teaching chemistry, Seaborg participated in many non-scientific endeavors.

He has served on committees studying educational television, teacher training and studio recording facilities. He worked hard on a campaign to establish a new Alumni House on the Berkeley campus.

But Seaborg was best known in non-technological circles as Faculty Athletic Representative, a job which put him in the spotlight as the Pacific Coast Conference was demolished.

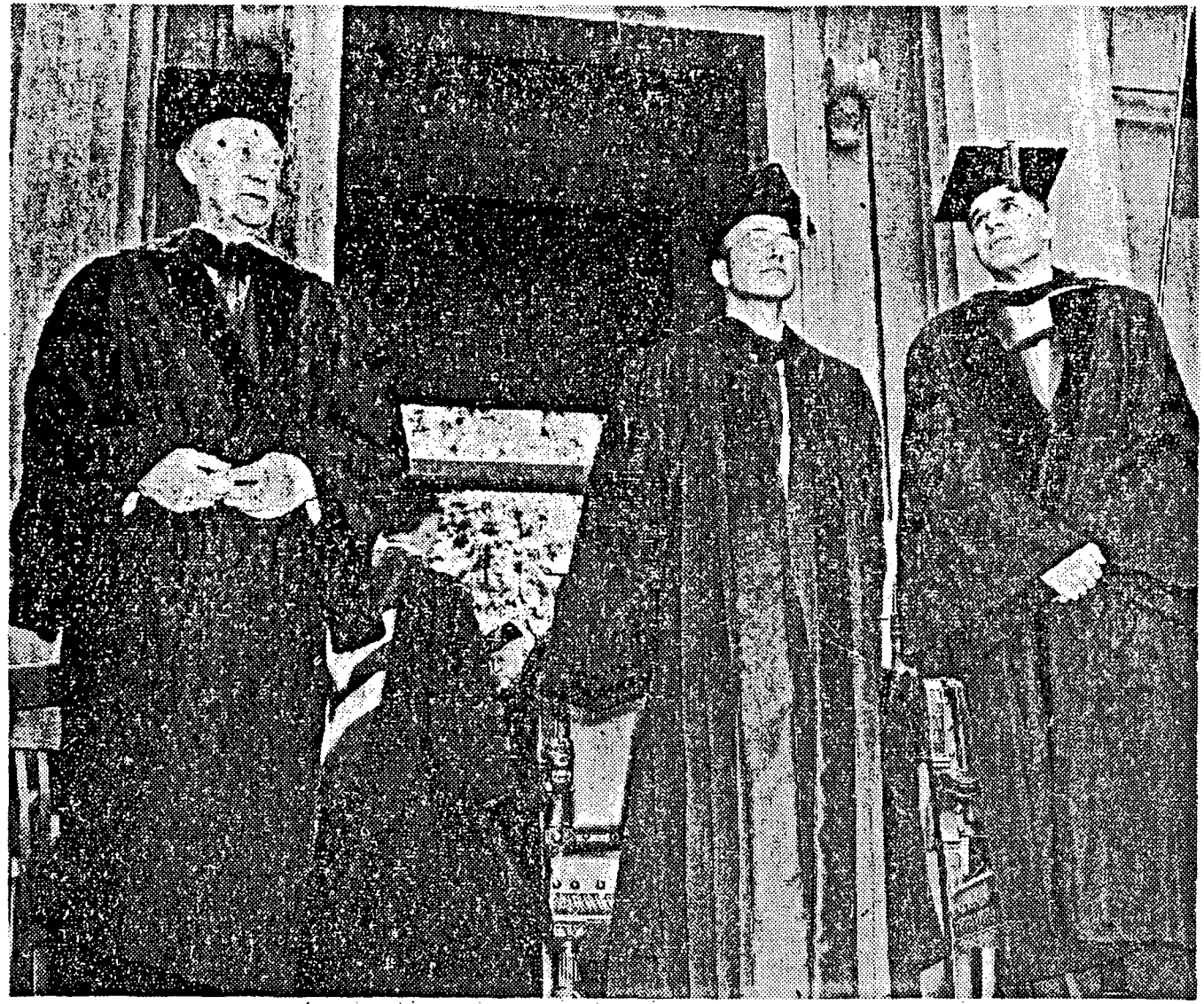
In 1942, Seaborg was married to Helen L. Griggs, who was secretary to the late famed Dr. Ernest O. Lawrence, director of the Radiation Lab. The Seaborgs have five children, Peter, 12; Lynne, 11; David, 9; Stephen, 7, and John Eric, 4.

The Seaborgs, who live in Lafayette, turned down an opportunity to move into the former president's house on the Berkeley campus.

They preferred to remain in the wide open spaces of Lafayette. The Seaborgs' house is on a large lot at 1154 Glen Road and they have acquired an adjoining acre for use as an athletic field.

THE BERKELEY GAZETTE

March 22, 1959



Facing capacity crowd of more than 10,000 during Charter Day ceremony in Greek Theater of University of California are, left to right, West German Chancellor Konrad Adenauer, UC President Clark Kerr, and UC Chancellor Glenn T. Seaborg. (More Charter Day pictures on page 9.)

SAN FRANCISCO CHRONICLE

March 22, 1959

OVERHEARD

Cal Foes Often Have 'Off' Night

By Art Rosenbaum

Dr. Glenn Seaborg, new chancellor at University of California, was discussing basektball earlier in the week.

The Bears had just beaten Utah and St. Mary's, and were about to leave for Louisville where astonishing wins over Cincinnati and West Virginia awaited.

"As a spectator, I have great faith in our basketball team," said the chancellor. "I notice that very often, after we have won a game, the post-game report claims the other team has had an off night in its shooting. I believe there is a reason for this—the California team.

DR. GLENN SEABORG

"I do not know whether we will win or lose against Cincinnati," continued the UC administrative chief, "but I am inclined to make one prediction. Cincinnati will also be held to its lowest point total of the season."

Dr. Seaborg was wrong. In the last four seconds of that throbber, Bob Dalton fouled Oscar (Big O) Robertson, and Robertson sank both free throws for Cincinnati's 58th point. Cal already had 66.

The lowest previous total for the Bearcats was 57, against St. Louis U.

So, as they say in Lower Mason street circles, sue him for a one point difference.

Monday, March 23, 1959

The first thing I did when I reached my office this morning was to call Norman Topping of USC to express my personal appreciation for his participation in my inauguration, saying that I may have overlooked him somewhat in the pressure of activities. He assured me that he was well taken care of and was glad to participate.

I wrote a note to Wallace Sterling (President of Stanford University) saying that we missed him on Friday at our Charter Day exercises and my inauguration but that we were very pleased to have Fred Terman represent Stanford and that Jim Hart told me of his conversation with Terman about the Stanford-Berkeley graduate student exchange program and how well it is working in this pilot year.

In a memorandum to Clark Kerr I point out that there is no approved salary range for accounting officers and suggest that Lewis Perry (Personnel Office) be asked to recommend appropriate salary scales for them and pending completion of the study, I say I wish to recommend a 5% increase for Norman Mundell and Edwin C. Linsley effective July 1, 1959.

In a letter to David Stewart (Office of Relations with Schools) I say that I am interested to learn that the Alpha chapter of Sigma Phi will serve as hosts at the annual convention of the fraternity this summer and I give them permission to use the Moot Courtroom of the Law School for a business session on Saturday, June 20th.

In connection with the move of statewide administration out of California Hall and the Berkeley campus occupation of the vacated space, I sent a memorandum to Harry Wellman, identifying in detail the office equipment and furniture and so forth that I believe is being transferred to the Berkeley campus.

In another memorandum to Wellman I state that the policy statement on the ICA contract drafted in his office has been brought to the attention of all deans and of all respondents having an interest in the overseas program and only favorable comments have been received approving the text of the policy statement.

I sent a memo to Walter Horn (Art) thanking him for his report and recommendation of 1958 on the student art center and stating my hope that such a building may be brought into being in the not too distant future.

In a letter to Ed Teller I confirm his appointment as Chairman of the Committee to Recommend a New Director for the Computer Center and indicate that the other members of the Committee are Ralph Emerson, Louis Henyey, R. W. Shephard, Otto Struve and E. T. Grether.

I held my Student Office Hour from 10 a.m. until 11 a.m. Among those who took advantage of it was Carroll Webber. He argued against the separation of the ASUC into undergraduate and graduate organizations and argued for the continued control of athletics by the student organization, suggesting also that ways be found, at least informally, to encourage the spouses of students to enter the life of the University.

This student session was interrupted at 10:30 a.m. by a call from Carl Borgmann (Ford Foundation in New York) saying that he, along with Bill McPeak and DeForest Trautman, will visit the West Coast April 6th-10th and would like to meet with me and others to talk seriously about the needs of our University. He wants to see President Kerr for a while and Vice Chancellor Strong, Kenneth Pitzer and Acting Dean of Engineering Clyne Garland, on one day of his visit. He is concerned with ways of improving the quantity and quality of our Ph.D. programs.

I learned that Ray Bressler is concerned about the publicity that came out over the weekend concerning the Space Sciences Laboratory. At 11:30 a.m. I called to explain the circumstances that led to this--that I made a reference to it in my talk at the Alumni Charter Day dinner at the Palace Hotel on Friday night with the hope that this would advance the cause.

At noontime I attended the civic luncheon in honor of the NCAA championship basketball team at the Shattuck Hotel. In my remarks I read a letter from Clark Kerr. I expressed thanks for the thoughtfulness of the basketball team in sending me a telegram of congratulations on my inauguration. I described the excitement at the Alumni Charter Day dinner at the Palace Hotel and how I stole away from the headtable at times to get reports on the score, that we were behind at one time 29-36, then forged ahead 37-36, and finally Dick Erickson gave me a piece of paper saying that we had won 64-58. At this point Kerr was speaking and he pulled his rank and grabbed it away and read the score. I also described the excitement at the Seaborg household while watching the championship game with the University of West Virginia. I congratulated the team, said that I am proud of their spirit and determination and team play, paid tribute to Pete Newell and his assistant, Rene Herrerias, and said that their winning record and that of the football team has placed the other Berkeley coaches on the spot and that George Wolfman, the baseball coach, has already asked for a sabbatical leave.

During the afternoon in my office and evening at home in my study I read a number of memoranda and papers and made notations on them for action. Included among these were the following:

1) A memorandum from Clark Kerr states his agreement that the Berkeley-Davis group should go ahead with plans for a Marine Biological Laboratory.

2) A memorandum from Jim Hart passes on the information that in a meeting with Dexter Perkins (recently retired from Cornell and still President of the Salzburg Seminar in American Studies) he proposed that Berkeley be one of the eight universities to serve as sponsors beginning probably in 1960. Support money would come from foundations and a meeting will be held in September to discuss the possibilities of this reorganization. I had asked Jim for his comments and the word came back that we should send a representative to the meeting and also ask Kerr's views and I approved both suggestions.

3) Another memorandum from Jim Hart says that he has learned from Tom Blaisdell that Harry Truman will be in California in April or May as a guest of Ed Pauley and Blaisdell suggests that we get him here at Berkeley for a speech and perhaps residence for a day or two to meet informally with students, as he did at Yale.

4) A memorandum from Lawrence White (Acting Chairman of the California Commission on Public School Administration and Executive Secretary of the California School Boards Association) asks Berkeley to participate in a project concerned with Improving Educational Administration in California, a project supported by a grant of funds from the Rosenberg Foundation. I'll have Chancellor's staff members have a look at this.

The issue of the University Bulletin that appeared today gave a complete account of the meeting of the Regents and the State Board of Education to further cooperation in state higher education that was held at Alumni House a week ago Saturday.

Helen told me that she attended a luncheon today at the University YWCA (Bowditch and Bancroft) in honor of Leila Anderson, a former staff member of the University "Y", who was back for a visit. She also told me that she took Pete for his shot this afternoon at Dr. Percy Jennings' office. Easter vacation begins this week so she has scheduled Pete and Lynne for some dental work.

Tuesday, March 24, 1959

After I arrived in my office I signed a number of letters before my first appointment at 11 a.m. One memorandum to Clark Kerr enclosed a statement revising a University memorandum of October 21, 1953, which, while allowing full compliance with the terms of the Immigration and Nationality Act to which it refers, will provide for a flexibility that will be a benefit to the University in securing the services of highly qualified personnel from other countries.

In another memorandum I recommend Charles Berolzheimer as a replacement for Ralph Hodges on the Technical Advisory Council for the Forest Products Laboratory.

Letters to Regents Edward Carter and Edward Heller advise them that they have been appointed to membership on the Subcommittee on Finance of the Special Committee on the Ernest O. Lawrence Memorial Hall of Nuclear Sciences under the chairmanship of Ed Pauley.

In answer to a letter of March 6th from Richard King (Executive Vice President of the ASUC) in which he recommends against refusing to participate in provisions of the National Defense Education Act in response to the loyalty oath requirement because students who need the money should have the right to have loans, I thank him and mention the sentiment in Congress to secure the repeal of the requirement for a disclaimer affidavit.

In a letter to Mrs. J. Frank Snowden (President of the California Congress of Parents and Teachers) in response to her letter of March 17, 1959, I agree that James Stone (Education) should replace Lloyd Bernard on their Advisory Board.

I replied to Dean Mike O'Brien's letter of March 2nd, in which he enclosed a protest from Percy McGaughey regarding the adverse decision on Kaufman's groundwater experiment, saying that Kerr decided that the risks of unfavorable public reaction against the University were such as to lead him to disapprove the proposal even though the experiment was well-conceived.

The Daily Californian
MONARCH OF THE COLLEGE DAILIES
Vol. 170 No. 34
Berkeley, California, Monday, March 23, 1959

Seaborg Inaugurated At Charter Exercises

By JANIE SEMPLE

Glenn T. Seaborg, in his inaugural address Friday, said the world is now engaged in a contest "in which the major alternatives are the ideoligies of Western liberal democracy and communism."

Seaborg was inaugurated as the second Chancellor of the Berkeley campus Friday in the Greek Theatre.

He named five factors that would contribute to an adaptation to our "world of change:" time, complexity, values, education, and research.

"We are assailed on all sides by evidence of the failure of individuals to develop their talents fully," he said.

"We must extend our efforts to rescue lost talent, among women and among minority groups. We must do more research in the development of new educational techniques, not only to get more information into people but to sharpen the individual's critical sense."

In emphasizing a need for science, Seaborg said that science should be added to the curriculum, but that the humanities should not be cut out.

"What I would suggest is not, I believe, an overemphasis on science in the general education curriculum, but a modest correction of what seems to me to be an underemphasis that can be fatal in our world of change," he said.

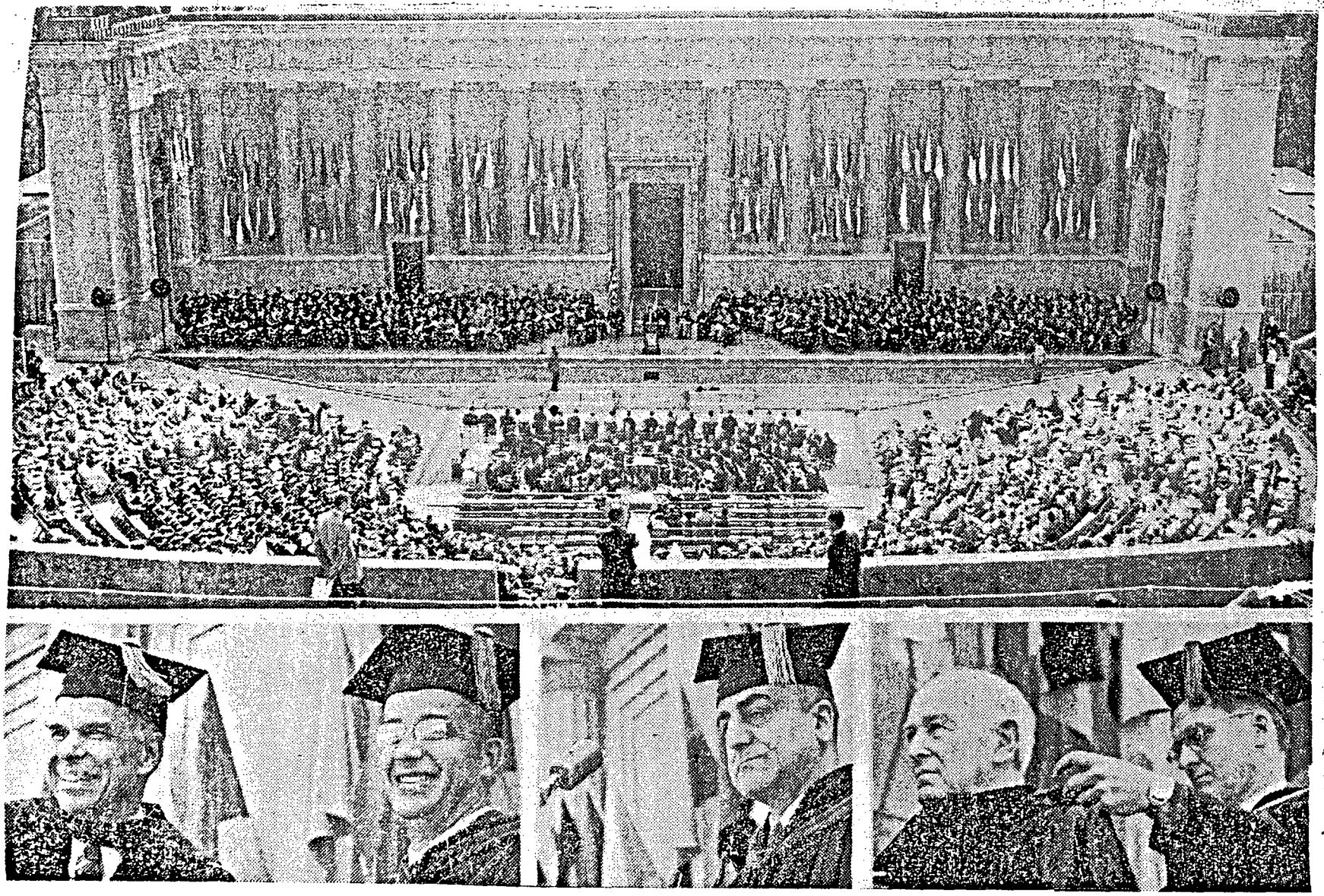
In talking of the future, he said, "Learning and discovery are the New Worlds and the Old West, the lands of opportunity in the 20th century. In intellectual activity there is always virgin soil to be tilled by the mind."

On hand to extend greetings and congratulations to Seaborg were President Clark Kerr; Donald McLaughlin, chairman of the Board of Regents; Frank L. Kidner, representing the Academic Senate; Mortimer Smith, president of the Alumni Association; Norman Topping, President of the University of Southern California; and ASUC President Bill Stricklin.

Following the exercises in the Greek Thetre, the annual Charter Banquet was held at the Sheraton-Palace Hotel in San Francisco.

James B. Black, chairman of the Board of Pacific Gas and Electric Company, was given the "Alumnus of the Year" award.

After the banquet, Seaborg announced plans for a space science laboratory at the University. He said also that he plans to strive for a balance between the humanities and the social sciences as well as the physical sciences.



CHARTER DAY: Left to right — Glenn T. Seaborg, Clark Kerr, Charles Malik, Albert Elkus, David Boyden. photo by Rasmussen-Jinnett)

SAN FRANCISCO EXAMINER, Tuesday, March 24, 1959

Cal's Team Play Hailed

'Inspiring Triumph'

By BOB BRACHMAN

The inspiration of "a well coached, co-ordinated squad of men rather than a star with an all-male chorus behind him," was the theme of a huge Berkeley civic reception for California's national cage champions yesterday.

The prevailing sentiment echoed and re-echoed in the big banquet hall at the Shattuck Hotel, where Coach Pete Newell and the Bears were the honored guests of 10 booster and civic organizations.

It was President Clark Kerr who provided the motif in a letter explaining his absence because of Charter Day in Los Angeles and hailing the Bears for adding a great deal to the University's 91st year.

TYPICAL STUDENTS

Chancellor Glenn Seaborg said he was so proud because "the team is so representative of the student body and the ideals of the school."

IT'S GREAT TO BE A WINNER. HAPPY GOLDEN BEARS SURROUND CHAMPIONSHIP TROPHIES AT RECEPTION . . . *(L to R) Buch, McClintock, Fitzpatrick, Imhoff, Simpson, Chancellor Glenn Seaborg, Doughty, Newell, Grout, Langley, Dalton*

"It should be obvious that this is not a semi professional or professional club," declared the chancellor, with plain reference to the fact that Cal cagers receive no remuneration or inducements whatever, as happens at a number of schools which go in heavily for basketball.

Newell later facetiously referred to the chancellor's comments when he said, "If there were any doubt that we were amateurs we proved it in the last five minutes of the West Virginia game."

HIGHEST SATISFACTION

"The boys proved that the single individual is not the dominant factor," the deeply moved Newell continued. "I imagine that if we concentrated on any one of these boys here his scoring would be greater and so would his personal claim to fame.

"But they wouldn't have gotten that greatest satisfaction of all that goes with being a part of a team. The essence of college athletics is sacrifice and this team exemplifies that in its purest form."

He said the Bears would long be able to reflect on their part in a national championship, would be be a little better fitted to move on into society and have a better sense of values where the big point makers would be forgotten.

Captain Al Buch's voice almost cracked when he expressed the deep respect of the players for their coach.

"Only one man deserves the credit. He's just great. I just can't say enough about Pete," Buch told a capacity audience of more than 360 persons.

TOWEL FOR PETE

Answering a question as to what Newell had told the Bears during a time out when Cal was trailing, 23-13, early in the championship game, Buch related:

"He told us we were taking our shots too quickly. We just went out and did what the head man said. It worked—not by a heck of a lot—but it worked."

BERKELEY DAILY GAZETTE

March 24, 1959

That master bridge player, Dick Doughty, left, who flashed some fancy hands on the court at key times throughout the 25-4 season, deftly accepts his tie clasp and congratulations from the mayor of Berkeley, Claude Hutchison.

As were all 16 players present, plus the coaches, trainer, and manager, Earl Shultz, fine soph guard prospect, is the recipient of a wallet from Chancellor Glenn Seaborg, the renowned scientist who's evidently discovered the winning sports formula.

Honoring Continues— UC Gym Rally for Bears Tomorrow

There's precious little opportunity for California's all-conquering basketballers to settle down to studying for mid-terms as the merry whirl of feting continues.

Yesterday it was the municipal luncheon for the Bears at the Hotel Shattuck.

Tonight it's the UC Hoop Club, comprised of former Cal cage stars headed by Bob Dable, toasting their season-opening three-point conquerors at the Bow and Bell. In turn, the players have some surprise gifts to present.

Tomorrow at 11 a.m. a University meeting, somewhat similar to that which feted the Rose Bowl gridders, will be conducted by Chancellor Glenn Seaborg, with more awards to be made during the hour at Harmon Gym.

Obviously, the 17 varsity squad members who won their last 16 games for a season record of 26 wins and four losses (including the unofficial Alumni opener), aren't going to forget about their momentous NCAA championship accomplishments for a long time.

Though home from the wonderful, wearying weekend at Louisville less than 18 hours, Coach Pete Newell, disdaining the towel on the podium, was as sharp as ever with the quips, despite the bowed heads of the Mayor and Scout Rene Herrerias. —Bob Lynds photos

TIE PINS, WALLETS

Even trainer Jack Williamson and Manager George Hill were presented inscribed beautiful wallets and "C" tie clasps yesterday, as all members except Dave Stafford made the civic reception accorded by 11 local and University organizations.

Features of the festivities which packed the University Room were Coach Pete Newell's whimsical rundown on the personnel and the humor-packed speeches by Captain Al Buch and Chancellor Seaborg.

"Your improving," acknowledged Newell, "You've been practicing, Albert." Then mentor ignored the towel offered by the floor captain upon following to the podium Buch, who though even sleepier than usual, came through nobly under the pressure of two of his former speech professors being in the assemblage.

Here are two versions of what Coach Newell said to his California basketball team when it was behind 23-13 in the NCAA championship game against West Virginia.

"I tried to get in a word, but they were talking so much, the time was over and they didn't hear me. Maybe it got through by telepathy."

"I couldn't say exactly," Captain Buch declared, "because I was sort of nervous. But in essence he said West Virginia was making us play their type of game That we were taking quick shots, not playing our usual game. So we just went out and did what the head man said and it worked. Not by a heck of a lot, but it worked."

The Bears won 71-70.

CRAFTY GUARDS

Newell introduced each player and commented concerning guards Buch, Denny Fitzpatrick and Bernie Simpson:

"The one that's out of the game sits next to me on the bench, then tells me the other one's tired."

"I'm probably the only coach who learned about coaching while sitting on the bench," cracked Newell.

Pete was almost beside himself with flowery praise of Rene Herrerias' super scouting after at first overlooking his diminutive in valuable assistant, "The Bandit—if I lose him, I'm out of a job."

In brief, Newell's rundown on the personnel included:

Bob Dalton—If I have the courage to put him on Oscar (Robertson), I have the courage to do anything.

Jack Grout—A key play Friday was his quick size-up of a jump ball situation to control Oscar's tip.

Bernie Simpson—He should have graduated last year, but knew something was coming; he's still thanking Jerry Mann for breaking his collar bone so he couldn't play last season.

Jerry Mann—It's quite a feat to dribble the ball with your right hand and blow your nose with the left.

Tandy Gillis—He has one of the best last-minute baseline jumpers, and he's a fine bridge partner.

Wally Torkells—He's one of our Blues, and you know how much they contribute.

Jim Langley—He's the idol of the nop-mop sirig.

Stan Morrison—Has the ability to make an important contribution the next two years.

Dick Doughty—One of the finest bridge players. He has a shot for every occasion; I'm sure they'd never seen some of 'em in Louisville before. Always does better than anybody but himself thinks he will.

Earl Shultz — Has the ability and desire to be a big help next year with experience.

Ned Averbuck — Co-captain of the extra five; in charge of extracurricular activities.

Bob Wendell — Other captain of the extras; led them in beating the champions two nights in a row.

OAKLAND TRIBUNE - March 24, 1959

Tribune photo

THE BIG TROPHY—Dr. Glenn Seaborg (center), recently installed University of California chancellor, smiles broadly as he points to figures on Cal's NCAA championship trophy. Flanking Seaborg are captain Al Buch (left) and coach Pete Newell.

Newell's Appraisal Of Bears Indicates Solid Club in '60

One never fails to get the full implication of the idea the California basketball squad is a "team" when listening to Coach Pete Newell describe his national champions.

This was apparent at a civic luncheon in Berkeley again yesterday when he was called upon to introduce those who had helped produce this first California history.

Starting at the end of the table, and taking them as they came with no thought to position, class, regular or reserve, player, trainer or manager, Newell said of each in this order:

Bob Dalton, senior forward: "If I've got the courage to put this guy on Oscar Robertson (Cincinnati's all-American) I'm courageous enough to do anything. He himself says that under a microscope he looks like a plucked chicken."

Jack Grout, senior forward: "The key play, if any, on Friday was his quick mental size up of a jump ball situation. Oscar controlled the tip, but he took the ball and went in for a layup. Oscar didn't get over it for five minutes."

Bernie Simpson, senior guard: "This is a smart kid. He should have graduated but saw something coming this year. He is still thanking Jerry Mann for the cracked shoulder that kept him out last year."

Jerry Mann, junior guard: "You will see a lot of him next year. He has a mental problem: He brushes his teeth on the bus and is the only player who carries a handkerchief in his uniform. I thought of putting him in against Oscar and let him pull that handkerchief routine. It's quite shaking to see him dribble with one hand and pull out that handkerchief with the other."

Tandy Gillis, junior forward: "He is a great bridge partner. (Gillis and Newell recaptured the team bridge title on the return flight from Chicago, defeating Dick Doughty and Denny Fitzpatrick.) He's a cinch to make the team. Also, he has the greatest last 30-second baseline shot in the business."

Wally Torkells, junior forward: "He comes off our Blues squad, and you who are acquainted with our Blues program know its contributions to our team. This is one of them." (The Blues are the Cal junior varsity.)

Jim Langley, senior forward: "This is a real fine boy to coach. You don't get two words out of him a season. He is a fine team player. He is the kind of boy who deserves the credit any team member should get."

Stan Morrison, sophomore center: "This fellow came down with mononucleosis early in the season and lost about six weeks of work and couldn't catch up. He will help a lot next year and will make a real valuable contribution to the team the next two years."

Dick Doughty, junior center: "He's one of the finest bridge players and a master of repartee. Words fail me. I'm sure they never saw that shot of his back in Louisville. He has a shot for every occasion. Always seems to do better than anyone anticipates except himself. Even disagrees with me about the starting lineups. He came here unheralded but has improved as much as any man on the club. He and Darrall (Imhoff) have made each other better."

George Hill, senior manager: "I never thought he would make it back. United Air Lines flies over Louisville at 8,000 feet and he was up at least 12,000. A good manager is very important to a team's success. He is a good manager."

Earl Shultz, sophomore guard: "He played enough to gain the confidence to be a fine performer the next two years. He is going to make his presence felt."

Jack Williamson, trainer: "I don't know what we would do without him. He just does everything. Always there. You don't need to worry about the little or big things, he will have them taken care of."

Ned Averbuck, sophomore forward: "He's co-captain of the extra five who came along with us. A real fine lad to have on the club. Has a sense of humor and the ability to give everything he has to the team."

Bobby Wendell, sophomore guard: "The other co-captain with Ned. We found the NCAA trophy is an inch and a half taller than he is. He and four of his mates beat the team that won this thing four nights in a row. He got us down to realization and made it possible for me to point out some little things that were happening. He and the other four worked hard right down to the end of the final practice."

Bill McClintock, sophomore forward: "We call him Magnet. The ball seems to fall into his hands around the basket. He's very effective. It's difficult for a new man, particularly a junior college transfer, to move in. He must make new friends, adjust to a new style. I don't think anyone could fit in any better."

Denny Fitzpatrick, senior guard: "He performed some wonderful shooting and is one of our most improved players defensively on the team. He and Al (Buch) keep us at an even level of performance."

Darrall Imhoff, junior center: "This is another lad who in high school didn't have the success needed to give him confidence. But he had the competitive ability that made him improve. You have to give Bob McKeen (former Cal center) a lot of credit. Next year he will be a fine center. The amount of improvement he has made is the greatest I have ever seen. He has been able to keep a fine sense of balance when suddenly shoved into the spotlight. He takes criticism well; he accepts it and also accepts driving."

Al Buch, senior guard: "He is a real leader. We have been very fortunate at the university. Our seniors have taken the challenge that all seniors have, denying themselves things that seniors on other teams don't. As captain, he has been designated the leader of the leaders. He and the others have passed this desire on to the sophomores and juniors. I am sure they will have it again next year."

I acknowledged Edward Teller's willingness to serve as Chairman of an Advisory Committee to the Acting Chairman of Nuclear Engineering whose other members are Earl Parker, Sam Silver, Kenneth Pitzer and Clyne Garland; I also sent letters of appointment to Parker, Silver, Pitzer and Garland.

I wrote a letter to Donald Cram (Chemistry Department at UCLA) supporting his nomination of William G. Young for the "Scientific Apparatus Markers Award in Chemical Education".

I passed on to Ken Pitzer Bob Kerley's (Acting Business Manager) explanation for the new telephone rates about which Pitzer wrote me on February 18th.

At 11 a.m. I had an appointment with Myron L. Boardman (Vice President of the Trade Division of Prentice Hall in New York), who is interested in publishing the biography of Ernest O. Lawrence that we have been planning. He knew that Dan Wilkes is being considered as a possible author and asked if he could talk with him and I assented. (He saw Wilkes later in the day.) He asked whether Molly Lawrence would be interested in writing the book and I said that I don't know.

At 11:15 a.m. I took a call from Bill Young (Industrial Information Branch of the Atomic Energy Commission), who said that he is working on a book on math for nuclear engineers and is interested in having Paul Chambre (UCB Mathematics) write it. They have contacted him and Chambre wants time off to do it; I indicated that most of us write such books in our spare time.

At 11:30 a.m. I met with Louis DeMonte together with Bob West and Frank Wilson, Jr. (UCRL), who wanted to discuss certain urgent aspects of the UCRL building program that could not wait for an overall campus plan: the addition to the Physics Building, a craft and radioactive waste complex, the Health Physics Building, and a 400 square foot temporary building. I gave my okay to go ahead with all four.

We discussed the Lawrence Hall of Science and the possibility of putting it higher up, more or less on Grizzly Peak Boulevard, and the possible location of the Space Sciences Laboratory and other major installations, and about exploring the desirability of purchasing Chaparral Hill or the Mira Vista Country Club to handle the large number of future needs.

Starting at noon I presided over a meeting of the Chancellor's Cabinet in the Chancellor's Conference Room, attended by Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes.

Mauchlan explained the directive on "Amendments to the Operating Budget" issued by President Kerr on March 17th, which will go to department chairmen on the Berkeley campus with a covering letter with my signature, prepared by Mauchlan. Mauchlan will also prepare a letter to Kerr explaining the extra load this new policy will mean to the Berkeley campus Chancellor's Office as compared with other campuses.

We discussed the suggestions of Sandy Elberg for utilization of the building of the State Department of Public Health, and decided to add the Virus Laboratory but eliminate Social Welfare.

I described to the group the request to cooperate in a project of the California Commission on Public School Administration concerned with improving educational administration in California.

We agreed to recommend to Kerr the following names for honorary degrees at commencement: Warren Sauer, Stephen Pepper, Walter Blasdale and John McCone- and to keep under consideration adding USC President Norman Topping to the list. We agreed that the April University Meeting should be held on Wednesday, April 29th, and that we should try to find a second speaker along with the Indian Ambassador.

We decided that Wilkes' draft of a summary of the rules and policies governing the conduct of University groups when meeting on campus should, after incorporation of suggestions made by the staff and me, be sent by me tomorrow for publication in the Daily Californian on Thursday.

At 2 p.m. I had an appointment with Marvin Rosenberg (Dramatic Art), who has a son, Barr Rosenberg, who is here on a scholarship in math and physics; he wonders if we couldn't make a provision for students with important scholarships to get together in an eating group or something. I said that the Faculty Fellows play that role in the residence halls and that I will explore this with Vice Chancellors Sherriffs and Hart.

Vic Schmidt called, said he had just received my letter, has not yet found a position, and is expecting Clark Kerr to get in touch with him for the indicated meeting in Los Angeles on March 31st.

Anna Carol told me that Mike Hone has called to ask whether I want to resume the public meetings with students, of which only one has been held, about once a month for the rest of this and the next school year. The plan is for these open meetings to be held with bag lunches at noon. Anna Carol said that she read in the Daily Cal that this matter is coming up for discussion at the meeting of the ASUC Executive Committee tonight. I told her to pass on to Mike Hone that I am interested but time would be a problem for the rest of this school year.

At 2:30 p.m. I had an appointment with Joseph Pask and Earl Parker (Engineering), who wanted to discuss with me a number of problems in the College.

From 3 p.m. until 4 p.m. I held my regular weekly meeting with Lincoln Constance in my office. He described his conversation with Charles Aikin (Political Science) on the question of an African center on the Berkeley campus. I told him that I am sympathetic with the development of African studies on the Berkeley campus in addition to its centralization on the UCLA campus, which Kerr is advocating, and that I have pressed my point of view with Kerr.

Aikin also requests the progressive going over to state support of the "Graduate Honors Program" now financed through salary savings of staff members whose salaries are being paid by Rockefeller money. I expressed some doubt about this and suggested that the program might have to be supported by the Anonymous Fund or discontinued.

We discussed my memorandum of March 19th suggesting that summer session courses be more available to pre-college teachers and Constance said that he

will send a copy of my memorandum to each department in the College of Letters and Science, stressing that the scheduling of regular session seminars should be such that they are more readily available to teachers.

Constance told me that the Department of Mathematics proposes the establishment of three "Griffith C. Evans Lectureships" without added stipends as tribute to Evans and as a lure to attract young mathematicians. I said that I agree and will recommend it to Kerr.

During the evening in my study I read a number of interesting letters and memoranda, as usual. A letter from Lieutenant General Leslie G. Groves, under whom I worked on the Manhattan Project during World War II, congratulates me upon my inauguration as Chancellor of the Berkeley campus.

A handwritten letter from Thelma Wuorisala, who characterizes herself as an "ex-Ishpemingite", congratulates me on being named Chancellor at Berkeley.

A letter from Head Basketball Coach Pete Newell dictated on March 17th but signed in his absence in Louisville, expresses thanks for my letter of complimentary remarks concerning the basketball team and him. He said,

> "I don't know what this weekend in Louisville will bring, except I feel certain that they will do the University proud in their play. They are a fine group of student athletes."

A memorandum from Roger Revelle refers to my recent meeting with his group, and expresses gratification for my support of the Institute of Marine Resources and my efforts to find more space for the Laboratory in the Home Economics Building.

California Lieutenant Governor Glenn Anderson wrote to express appreciation for the copy I sent him recently of my book, Elements of the Universe.

A memorandum from Dean Mike O'Brien expresses disappointment at my denial, in my letter to him of March 10th, of his appeal for reconsideration of fiscal year 1959-60 cuts in the College of Engineering. He wanted additional FTE's assigned, which I am unable to do.

Marion Milczewski (Assistant Librarian) wrote to inform me that an exhibition in honor of my inauguration as Chancellor, "Atoms for Peace", is located in the library's main exhibition on the first floor of the Main Library and was arranged by May Dornin (Head of the Library's Archive Department).

Another memorandum came from the Special Subcommittee of the Student Art Center of the Buildings and Campus Development Committee and is signed by Travis Bogard (English), Sheila Collins, Donald Coney (University Librarian), Stanley Cavell (Philosophy), Herwin Schaefer (Decorative Art) and Walter Horn (Art). This subcommittee report urges that funds be found for the construction of a student art center, to be considered a part of the Undergraduate Library II, and that it be renamed "The University Art Center".

A memorandum from Grace Bird (Associate Director of the Office of Relations with Schools at Berkeley), addressed to Harry Wellman, Chancellor Raymond Allen, Chancellor Stanley Freeborn and me, encloses a complete outline summarizing the existing machinery for liaison between the Regents and the State Board of Education.

A memorandum from Bill Fretter summarizes the results of his investigation on the campus of my suggestion for a science course for non-science students. He says that although Walter Knight (Physics) is Chairman of the Committee to Study the Possibility of Instituting Such a Course in the Physical Sciences, members of the Department of Physics and Chemistry are generally disdainful of the whole proposal. He suggests the National Science Foundation be asked to sponsor a meeting of college science teachers to see if there is need for such a course.

When I arrived home, Pete and Lynne informed me that their mother had taken them to Dr. Packard in Walnut Creek this morning for oral surgery; each of them is having four first year molars removed and will have to go back tomorrow afternoon for completion of the job.

Wednesday, March 25, 1959

When I arrived at my Chancellor's Office this morning, I was greeted by the following headlines in the Daily Californian, "Faculty Committee Probes Recent Sather Gate Rally" and "SLATE Meets Today to Select Issues, Introduce Motions". The first story states that four students, who spoke at last week's unauthorized Sather Gate meeting, were called before the faculty committee to explain their actions; the four were Cindy Lembcke, David Armor, Carey McWilliams and Bob Martinson. I am afraid that SLATE is accomplishing its objective of keeping the campus administration off balance.

I sent a memorandum to Harry Wellman submitting the 1959-60 salary recommendations for deans and directors on the Berkeley campus and suggesting increases in stipends for seven of the nine administrators whose academic salary rates were increased at the time of the Regents Special Merit Increases. In addition, I am recommending merit increases of approximately $500 for the three vice chancellors on the Berkeley campus.

I sent out a number of letters appointing chairmen of academic departments, including the following:

Milton Chernin	Social Welfare
William Prosser	Law
Periam Danton	Librarianship
Ewald Grether	Business Administration
William Brownell	Education
William Wurster	Architecture
Orlando Wilson	Criminology
Robert Connick	Chemistry
Kenneth Stoddard	Optometry

I sent a letter to William O. Baker, Vice President (Research) of Bell Telephone Laboratories, in his role as chairman of the panel concerned with materials research on the President's Science Advisory Committee, calling his attention to Berkeley's proposed interdepartmental Inorganic Materials Laboratory, to be led by Kenneth Pitzer, to conduct research on the basic properties of materials.

Louis DeMonte (Office of Architects and Engineers) has reviewed, at my request, the status of the planning for the television studio in the new

Student Center, with the help of a discussion meeting attended by Milton Chernin, Bill Fretter, V. D. Kennedy and F. D. Crouch. He has sent me a memorandum, summarizing the situation and asking a number of questions, which I am forwarding today to Charles Hulten (Chairman of the Committee on Television) asking that his Committee recommend a comprehensive campus policy for television.

A memorandum from Jim Hart describes his negotiations with Catherine Hearst on support for an opera to be held in the Greek Theatre this fall and asks whether Don Coney should now begin negotiations with Kurt Adler for the presentation of "Aida" on a Sunday in September; I said he should.

A memorandum from Bill Fretter says that Clark Kerr is concerned that the money spent on sea water conversion at UCLA and Richmond has not led to any practical results. I suggested that we ask Everett Howe (Engineering) for a summary report on progress and also that we get a very confidential appraisal from Leroy Bromley (Chemistry).

I sent a release to the Daily Californian, drafted by Dan Wilkes, aimed at clarifying misunderstandings that have arisen concerning policies governing the conduct of recognized and non-recognized student groups and their use of University facilities. I pointed out that Dean Stone, under Rule #17, has approved 104 off-campus and non-University affiliated speakers, who have presented a variety of views on many issues, including a symposium held on campus sponsored by Stiles Hall, which presented outside speakers pro and con on Berkeley Proposition "C". On the other hand, a recognized student organization (I am referring to SLATE) was refused permission to conduct, on March 11th, a meeting at which on campus speakers would have conducted a partisan campaign on behalf of Proposition "C".

At 10:30 a.m. I received a call from Arthur Kenney (National Science Foundation), saying that they have received a number of proposals from the University of California regarding undergraduate research programs, all marked "Tentative, Pending Action by Regents" and he wants to know "what is the score?" We will have to investigate this and let him know.

Beginning at 11 a.m. I appeared at a University Meeting along with Coach Pete Newell and the players of our winning basketball team in Dwinelle Plaza. The speakers stood at the top of the steps at the entrance to Dwinelle Hall. After introductory music by the Straw Hat Band, I gave a five minute talk. I referred to winning our first National Collegiate Athletic Association basketball championship in the history of the University as one of the most satisfying victories in the 70 year history of competitive sports on this campus. I stated that even after winning the conference championship for the third successive year, none of our players was named to the "All-Coast" squad, let alone the "All-American" teams and, nationally speaking, the highest rankings given the team were 9th in one poll and 11th in another.

I thanked the team for the telegram that they sent me from Louisville in connection with my inauguration and the University's birthday. I described our frustration at the Charter Day Alumni Banquet on Friday night, when we were playing the University of Cincinnati in the semi-finals, how we kept in touch with the score as the banquet proceeded and how President Kerr pre-empted me in announcing the final score, indicating that Berkeley had won 64-58. I also described how after the Saturday night final game, in which we beat the University of West Virginia, Mrs. Seaborg and I went to a number of

functions and found the whole campus celebrating. I said that in view of our wonderful successes so far this academic year in winning championships in football and basketball, George Wolfman, the baseball coach, has already asked me for a sabbatical leave for this term and I am waiting to hear from Ky Ebright (crew coach) and Brutus Hamilton (track coach).

I then introduced the team members, including comments on their contribution to the winning of the games in Louisville and their roles on the team and each made brief responses- Al Buch, Bob Dalton, Denny Fitzpatrick, Jack Grout, Jim Langley and Bernie Simpson.

Before introducing Coach Pete Newell, I paid tribute to and introduced the pompon girls- Helen Larson (head), Lou Vienop, Marlene Peck, Sylvia Takeda and Irene Takei. After that, I introduced Hugh Barnett to speak for the Straw Hat Band and Rudy Montejano, head yell leader, who also made the trip to Louisville. Finally I introduced Coach Pete Newell, who introduced the remaining players on his squad and the members of his staff and then made a ten minute speech. He read a congratulatory telegram from Vice President Richard Nixon, sent to Newell in Louisville.

Following this, I accompanied the team, who travelled on buses to the Haas Clubhouse for luncheon, which I found very enjoyable because it gave me a chance to get to know the players better.

After lunch I returned to the Chancellor's Conference Room in Dwinelle Hall to attend and preside over the meeting of the Chancellor's Advisory Administrative Council. They had finished their lunch and Vice Chancellor Ed Strong had already started the meeting. The members present were: R. G. Bressler, M. Chernin, D. Coney, L. Constance, J. P. Danton, C. F. Garland, C. C. Gilliam, E. T. Grether, J. D. Hart, R. Kerley, F. L. Kidner, G. C. Kyte, M. T. Morris, N. M. Mundell, K. S. Pitzer, W. L. Prosser, K. A. Ryerson, A. C. Sherriffs, C. E. Smith, M. A. Stewart, E. W. Strong, H. J. Vaux, O. W. Wilson, W. W. Wurster and also Reinhard Bendix (Chairman of the Department of Sociology and Social Institutions), Grant Loomis (Chairman of the Department of German), Robert Saunders (Acting Chairman of the Department of Electrical Engineering), Daniel Wilkes and Errol Mauchlan.

I reported on the March meeting of the CCCO.

Ed Strong presented the report of the Subcommittee on Extra Compensation for Non-Academic Personnel who teach courses and, because several members voiced opposition to any policy which would allow for overtime work on a continuing basis and others felt people doing extra work should receive extra compensation on an emergency basis, I asked the Subcommittee--consisting of Ed Strong (Chairman), Morris Stewart and Donald Coney--to reconsider its recommendations in light of the discussion.

Mauchlan spoke on amendments to the operating budget and stated that the Chancellor's Office and the Accounting Office and not the Statewide Budget Office, should now handle this for the campus.

Copies were distributed of the President's memorandum of February 25th on "Equivalent Ranks in the University System"; I said that the memorandum has been referred also to Ed McMillan's Committee on Non-Faculty Research Personnel, which will report back to the CAAC.

During the meeting Frank Kidner told me that problems will arise if Bud Hastings attends the AAWU meeting next Monday and Tuesday at the Huntington Hotel in Los Angeles. Kidner said that he will see if Hastings plans to attend and if so, I will have to find a way of forbidding it.

After the meeting of the CAAC I received a call from Harry Wellman, saying that A. Harry Bliss (UCLA) is studying public health and safety engineering and he would like me to see Bliss when he comes to Berkeley tomorrow. I told Anna Carol to tell Richard Stull that I won't be able to see Bliss on this trip because I will be tied up with the meeting of the Joint Advisory Committee tomorrow.

Starting at 3:15 p.m. I presided over the meeting of the Academic Advisory Committee in the Chancellor's Conference Room. Members R. G. Bressler, L. Constance, S. Elberg, W. E. Farnham, J. D. Hart, A. E. Hutson, C. W. Jones, F. L. Kidner, M. Moonitz, M. A. Stewart and E. W. Strong were present.

The whole meeting was taken up with discussion of "Equivalent Ranks in the University System" because we are obligated to respond to President Kerr's memorandum, which is an attempt at a consolidated statement on the status and rights of Equivalent Ranks, together with a number of fundamental questions. We discussed the status of astronomers, whose ranks are to all intents and purposes Professors of Astronomy, and people in the Agriculture Experiment Station, whose ranks differ from astronomers in that their privileges do not include membership in the Academic Senate or eligibility for the chairmanship of dissertation committees. We also talked about the situations of the Department of Physical Education personnel, where the supervisors cannot be considered equivalent in training and attainment to academic ranks, and College of Dentistry personnel. As interim replies to the President's questions, we decided to state that it is clear that each present arrangement is related to a special problem, that it seems clear that there is no ready criterion to substitute for the present criterion of teaching, and as far as present definitions and classifications are concerned, the present qualifications and procedures for appointment and promotion are satisfactory. The meeting adjourned at 4:30 p.m.

Beginning at 4:45 p.m. I attended in the Chancellor's Conference Room a meeting of the Committee on Campus Planning. The members present were Regent Donald McLaughlin (Chairman), Dean William Wurster and myself, and also present were Thomas D. Church and Alan Ribera (for the discussion of the question involving the Supervising Landscape Architect), James Hart, Ed Strong, Sandy Elberg, Louis DeMonte, Norman Dyer and Al Wagner.

Church (Supervising Landscape Architect for the Berkeley campus) discussed general aspects of landscaping and location of buildings. He discussed the retention and improvement of the few remaining open spaces, including the area north and west of the Hearst Gymnasium, the central glade, the University House area, and the area between Dwinelle Hall and Agriculture Hall. He also mentioned the possibility of realigning University Drive generally to the north so that the Life Sciences Building and Doe Library would have a more fitting visual approach.

We also discussed the proposed location of Barrows Hall (Business Administration-Social Science Building), suggesting that it might be located to the south of Hearst field adjacent to Bancroft Way, rather than on the north portion, where it is now scheduled.

I described the need for an addition to the Physics Building in the Lawrence Radiation Laboratory and DeMonte commented that it might be feasible to construct a raised addition immediately east of Building 50 with a connecting corridor to the Chemistry Building.

We also discussed the Berkeley Chamber of Commerce recommendations for pairings of one way streets in the South Campus area, Bancroft-Channing, Dwight-Parker combinations, as opposed to the Berkeley Master Plan for Bancroft-Durant and Haste-Dwight.

Wagner suggested that it is time to modify the long range development plan for the Berkeley campus. DeMonte reported on studies currently being conducted by the Office of Architects and Engineers: married student housing, Gill Tract, Richmond Field Station, 30,000 student capacity study, and a study of the problem of bicycle and motor scooter parking and circulation on the campus. Our meeting adjourned at 6:10 p.m.

Today's Berkeley Gazette and Oakland Tribune both have stories about the possibility of the University of California receiving the State Department of Public Health's building and the objections to this by the Berkeley City Council and comments by Berkeley City Manager John D. Phillips. A memorandum from Sandy Elberg lists the many functions that such a building could serve for the University. I have received requests from the press for a statement by the University on this issue.

Thursday, March 26, 1959

When I arrived at my Chancellor's Office this morning, I found in the Daily Californian my statement distributed to them yesterday under the heading "Chancellor Issues Statement Summarizing U.C. Regulations".

Another article headlined "Pelly Attacked on All Sides" quotes Pelican editor Robert Irvine as saying that the Pelican is being attacked on all sides and says that Newsweek magazine (out today) has quoted Irvine in a feature story on current attacks on campus humor magazines all over the country. Irvine told Newsweek that he was threatened by an administration official (whose name he declined to mention) with expulsion for himself and suspension for publication for "Pelly" unless the magazine conformed more strictly to administration standards. I don't know to whom he is referring here, but I presume that he means Alex Sherriffs.

Another article is headlined "SLATE Votes to Back Pelly" and still another has the headline "New Pelican On Sale Today, Satirizes Administration, SLATE", stating that the new issue has a cover depicting censorship of the Pelican, the Daily Californian and SLATE. It is billed as an "anti-administration" issue.

Another article by Janie Semple, "History of Wayward Publications at Cal: From Laughing Horse to Pickled Pig" says that a magazine, The Pickled Pig, is making its debut on campus April 8th as an off-campus magazine.

I issued two memoranda to deans, chairmen, directors and administrative officers. One asked them to designate any needs they have for remaining sites in the Strawberry Canyon and the hill area and the other summarized amendments

to the operating budget, describing the decentralization to the campus of authority as regards accounting and budgetary control.

A memorandum to W. S. Wellington recognizes his desire to be relieved of the directorship of the Art Gallery and thanks him for his service.

A memorandum to Walter Knight (Physics) tells him about my thinking concerning the need for a course in science for non-science students and asks him for any comments or recommendations and ideas on possible ways in which the aims of such a course might be accomplished.

I signed a large number of appointment letters, on recommendation of Dean Lincoln Constance, as chairmen of academic departments on the campus for the year 1959-60, as follows:

Foster	Anthropology
Rowe	Anthropology (Vice-Chairman)
Adelberg	Bacteriology
Harris	Dramatic Arts
Horn	Art
Wilke	Chemical Engineering
Postman	Psychology
Foster	Botany
Snell	Biochemistry
Dennes	Philosophy
Nordly	Physical Education
Whitfield	Slavic Languages & Literature
Bendix	Sociology & Social Institutions
Davis	Sociology & Social Institutions (Vice-Chairman)
Loomis	German
Leighly	Geography
Blackwell	Statistics
Smith	English
Torres-Rioseco	Spanish & Portugese
Ferruolo	Italian
Walpole	French
Harris	Zoology
Boyden	Music
Malloy	Military Science and Tactics
Stanley	Virology
Schachman	Virology (Vice Chairman)
Kelley	Mathematics
Helson	Mathematics (Vice Chairman)
Protter	Mathematics (Vice Chairman)
Helmholz	Physics
White	Physics (Vice Chairman)
Emeneau	Classics
Rabinowitz	Classics (Vice Chairman)
Stampp	History
Rosovsky	Economics
Henyey	Astronomy
Espenschade	Women in Physical Education (Vice Chairman)
Asling	Anatomy & Physiology (Co-Chair)
Cook	Anatomy & Physiology (Co-Chair)
Smith	Zoology (Vice Chairman)
Watt	English (Vice Chairman)

I co-signed a letter with President Kerr to Charles Berolzheimer (Vice President and Director of Research at the California Cedar Products Company) inviting him, on recommendation of Director Fred Dickinson, Dean Daniel Aldrich and Dean Henry Vaux, to serve again as a member of the Technical Advisory Council to advise the Officers of the University on the program of the Forest Products Laboratory.

In a memorandum to Jack Oswald I comment on the draft directive on Statewide Loan Policy, pointing out that policies on the Berkeley campus have to be more stringent because we are running out of funds.

In a memorandum to Mike O'Brien (Dean of Engineering) I state that I believe the contributions of Reinhardt Rosenberg and Erich Thomsen are of the quality and quantity that deserve accelerated increase; I want to encourage O'Brien to advance faculty that are outstanding as rapidly as possible.

I wrote Ernest Besig (Executive Director of the American Civil Liberties Union [ACLU]) in San Francisco to apologize for my delayed reply to his letter of March 10th, enclose a copy of my review of the present rules and regulations of the University governing student participation in partisan politics on campus (as published in the Daily Californian), and invite him to meet personally with me for lunch at the Faculty Club.

I met in Harry Wellman's office with the members of the Joint Advisory Committee of the Regents and the State Board of Education to consider the program for higher education in California.

Malcolm Love handed out a document suggesting a program that we were asked to bring back to our constituents for comment and revision.

Price suggested that we also discuss 1) determination of principles regarding enrollment ratios, 2) location of campuses and this effect on junior colleges, 3) determination of realistic functions of each type of institution, 4) development of continuing workable coordinating procedures, 5) financial studies for elimination of waste and duplication of effort, and 6) the problem of junior colleges that need to develop a full and equal prestige and partnership.

There was much discussion of a degree intermediate between the master's and the Ph.D., for example, a Doctor of Education, or Doctor of This and That.

Glenn Dumke, Vern Knudsen and I were named to a special subcommittee to prepare a statement on grad work in the state colleges. It was agreed that Glenn Dumke, Bill Jason Priest and I will represent the Joint Advisory Committee at a meeting of the Liaison Committee to be held in Sacramento the evening of April 2nd.

Helen and I hosted a luncheon for the Executive Committee of the ASUC in the Chancellor's Conference Room, which also included Vice Chancellor and Mrs. Sherriffs, Dean and Mrs. Stone, Dean and Mrs. Shepard and Miss Katharine Towle, and some others. This was a social affair at which I made some general remarks regarding cooperation between our campus administration and the ASUC and there were many individual conversations concerning current problems with SLATE, the Pelican, and so forth.

Then I drove to Napa to play golf at the Silver Spring Golf Club.

I missed the meeting of the Miller Institute Executive Committee, of which I am a member, attended by William Dennes (Chairman), I. M. Lerner and Kenneth Pitzer this afternoon. The purpose of the meeting was to eliminate any applications for Miller professorships that may not seem to deserve study by the full Advisory Board, which will meet in Washington on April 30th.

At home in the evening I read a memo from Stan McCaffrey, offering help in the fundraising for the Ernest Lawrence Memorial, but actually, I believe, indicating that Statewide wants to keep an eye on this.

A letter from James Whitney, M.D., refers to his campaign for election to the Berkeley City Council and indicates that he hopes that he can interest me, as a fellow golfer, in the possibilities of a new golf course on the Berkeley waterfront.

A memorandum from Dean Constance describes a conference he has held with Madison Beeler (Near Eastern Languages) in which he briefed him on a visit by J. A. Boyle scheduled for 1959-60, the status of a grant from the Rockefeller Foundation for Hindi and Urdu, and the possible appointment of Claus Baer in Egyptology.

Sandy Elberg (BCD Committee) wrote that the Committee on Naming of Buildings recommends that the building now housing Architects and Engineers be called "Sproul Hall Annex" and that the track area on Edwards Field be called the "Walter Christie Oval".

Memos from Kitty Malloy and Milt Chernin refer to phone calls from Malcolm Merrill (Director of the State Department of Public Health) and John Phillips (Berkeley City Manager). Phillips said that the story in the Berkeley Gazette took his remarks out of context and that it looks like a deliberate attempt to cause conflicts between him and Chancellor Seaborg. Chernin made arrangements to get together with Phillips to discuss this matter.

Friday, March 27, 1959

In my Chancellor's Office this morning I read the memo that Clark Kerr sent me in reply to my memo of March 16th concerning the need for the adoption of measures limiting enrollments in the interests of a balanced campus plan. He asks for my advice and that of my policy advisors on a proposed statewide policy, which could be used as the starting point.

In a memorandum to Kerr today I suggest (on the basis of advice from my Academic Advisory Council and my Chancellor's Advisory Administrative Council) that as lower division enrollment reaches the maximum allowable for a proper balance with upper and graduate divisions capacities within a maximum total size for the campus, procedures for assigning students to other campuses should be ready to be put into effect. I listed a number of criteria that the other campuses might use in accepting students. I suggested in the undergraduate application for admission to the University of California there should be a section where the student lists the campus of first choice, second choice and third choice. In order to avoid losing the best students to competing institutions, highest preference should be given to the top 25% of eligible applicants in admitting them to the campus of first choice, after first admitting the campus scholarship-holders.

In another letter to Kerr I forward the letter of February 27th from Bud Hastings asking that an amendment to the Revenue and Taxation Code be sought that will exempt the ASUC Bookstore from taxation on the basis that it is an element of a non-profit association.

Still another memorandum to Kerr recommends that at the commencement ceremonies in June honorary degrees be given to Walter Blasdale (Professor of Chemistry Emeritus), John McCone (Chairman of the Atomic Energy Commission), Stephen Pepper (Professor of Philosophy Emeritus), Carl Sauer (Professor of Geography Emeritus) and Robert Penn Warren (novelist, poet and critic).

In still another memorandum to Kerr I attached letters of approval from the Berkeley Budget Committee, the Buildings and Campus Development Committee and the Committee on Educational Policy on the Space Sciences Laboratory proposal.

A letter went to Ky Ebright, extending him best wishes on the occasion of naming the ASUC Boathouse "Ky Ebright Boathouse", which is to be read by Greg Engelhard at a ceremony tomorrow at the boathouse.

I wrote Everett Dempster (Genetics) approving the revised program for the Ph.D. degree in Genetics.

To Bryce Crawford (Chairman of the Department of Chemistry at the Institute of Technology of the University of Minnesota) I wrote regretting his invitation of March 12th to give the Glidden Lecture, because of my heavy schedule of commitments.

I went to Wellman's office to attend the continuation of the meeting of the Joint Advisory Committee of the Regents and the State Board of Education, which began at 10 a.m. During the meeting (which lasted until noon) we continued the discussion of the issues raised yesterday. We concluded that each group should re-write their part of the Malcolm Love document and come with this information to the next meeting of the Committee, scheduled for April 15th.

We agreed that the procedure for handling of proposals for new campuses should be considered first by the Joint Staff, then the Joint Advisory Committee, then the Liaison Committee, and then action by each board.

We decided to recommend to the Liaison Committee support of the Donahoe Resolution (the Assembly Concurrent Resolution #88).

We set the date for the next meetings of the Joint Advisory Committee as 9 a.m. on May 22nd in Berkeley, and 9 a.m. on June 26th in San Francisco.

At 2 p.m. I had an appointment with John Phillips (City Manager of Berkeley). I wanted to talk to him about the statements he made that were quoted in the Berkeley Gazette on Wednesday that seemed so unfriendly to the University. I suggested that his release of the letter from Merrill (Director of the State Department of Public Health) at the Council meeting was not a good way to advance the conduct of our negotiations. I made it clear that we do not intend to expand west of Oxford Street and do intend to keep our agreement, but this is a case of possibly being offered a building and we are certainly in no position to refuse, particularly if the State Department of Finance is involved, in view of our tight funds for building programs. I said that it is

a matter of some sacrifice to us to give up land in the Gill Tract in exchange for this building. Phillips said that the confusion brought about by the report in the Berkeley Gazette came about because the reporters took the statements out of context. The meeting was quite amicable and Phillips wants to have other conferences so that differences don't get amplified.

I read a memorandum from Milton Chernin, covering a conversation he had with Jack Kent concerning the State Public Health building at my request, because of the uncomplimentary remarks Kent had made at the City Council meeting on Tuesday about the University State Department of Public Health building matter. Chernin says as a result of this conversation, Kent is convinced that he made an error in judgment in the remarks he made late at night after a heavy agenda in the Council meeting.

I received a phone call from Ed Schoenfeld (sports writer of the Oakland Tribune) saying that he has learned that there will be an AAWU meeting in Pasadena on March 29-30 and he wants to know whether he should release a story on it ahead of time. I told him that I would leave that decision to Kidner and that he should call Kidner. (I asked Anna Carol to call Kidner first and tell him that I would not be surprised if he said "no" to Schoenfeld's question and I learned later that that is what he did.)

I read a number of memoranda during the evening at home. A memorandum from Jim Hart speaks of the need to make plans for the dedications of a number of new University buildings with completion dates as follows: 1) Kroeber Hall (May 1959), 2) Campbell Hall (May 1959), 3) Residence Halls, Units I and II (August 1959), 4) Dining Commons of the Student Center (January 1960), 5) Child Study Center (March 1960), 6) Stern Hall (October 1959), 6) Cowell Hospital Addition (September 1960), 7) Union Building of the Student Center (October 1960), 8) Earth Sciences Building (November 1960) Education-Psychology Building (January 1961), 10) Chemistry Building (September 1961), 11) Business Administration-Social Sciences Building (December 1961), 12) Architecture and Related Arts (July 1962). Jim says that he has met with Garff Wilson to discuss plans for dedications and includes a number of suggestions in his memorandum.

A memorandum from Bill Fretter says that Lionel Viales will be leaving on Sunday to go east again to visit more museums and to talk to Rowan Gaither and Bob Kimball (MIT). He has talked with Bob Rice of Berkeley High School and with Joel Hildebrand. He has not prepared his report yet, for which the pictures are just about through the first phase of the mill.

A memorandum from Hurford Stone forwards the minutes of the March 12th meeting of our Campus-City Coordinating Council for Student Affairs, the last meeting of this group over which he will preside as Chairman. This meeting was attended by City Attorney Fred Hutchinson and Police Captain John Lindquist of the City of Berkeley, and by Stone (Dean of Students), Shepard (Dean of Men), Maryann Reid (Assistant Dean of Students), Arleigh Williams (Director of Activities, ASUC) Forrest Tregea (Business Manager's Office), Police Lieutenant Merrill F. Chandler (University of California), Thomas Yukie (Coordinator of Recreation), Bud Hastings (Executive Director, ASUC), Don Housh (Office of Public Information) representing the University; and students Bob Orser (Student Judicial Committee), John Quinn (Alpha Phi Omega), Forrest Brinkerhof (Californians), Elliott McCarty (Men's Residence Association), Myrna Bouchey (Women's Dormitory Association), McDonald Robinson (California Band), John Schaefer (Men's Executive Board), Roberta Brown (Panhellenic

Association) and Mike Kennedy (Interfraternity Council). The discussions included a description of the Strawberry Canyon Recreational Area.

I read four reports from chairmen of committees which I marked asking Anna Carol to telephone my thanks: from Leslie Lipson (Chairman of the Advisory Committee of the Institute of Social Sciences) suggesting that the membership of Frank Kidner be discontinued and pointing out that his service as Acting Director of the Institute of Social Sciences will end on June 30, 1959 when the regular Director Herbert Blumer, returns from Brazil; from Donald Foley (Chairman of the Planning Committee on Metropolitan and Urban Studies), recommending that the committee be inactivated for the year 1959-60, because members will be away and that Kingsley Davis will be a logical faculty member for me to contact for advice on committee composition if the committee needs to be reactivated; from Garff Wilson (Chairman of the Committee for Selection of Student Speakers) suggesting that present members should continue, but additional representatives might be chosen from among the Dean of Men, Dean of Women, Department of Speech, Committee on Public Ceremonies; and another from Garff Wilson (in his role as the Chairman of the Committee on Public Ceremonies) suggesting the reappointment of Nello Pace, Jack Rogers and Warren Giedt (who is Vice Chairman of the Committee) and the continued membership of the Director of Public Information, a representative from Grounds and Buildings, and the head of the Alumni Association.

As I have been doing for some time now about every two weeks before going to bed, I gave myself my allergy shots for my hay fever. I am now back up to the full dosage of .20cc of the 1/100 solution of special pollen and dust and dander antigens. (I started this new series of shots in December at .10cc and have been gradually increasing the dosage, as instructed by my doctor, Thurman Dannenberg.)

Saturday, March 28, 1959

I read a memorandum from Errol Mauchlan, which attaches a statement of policy by the Office of Education regarding language programs research and studies under the NDEA. I agreed that we should ask Douglas Chrétien to have the statement placed on the agenda of the meeting of the Language Council. I also suggested to Mauchlan that we write a memorandum to Lincoln Constance, suggesting that early action be initiated in regard to the proposed conversion of space in Dwinelle Annex for a Language Laboratory.

I read a letter from Carol Geren (Chairman of the International Dinner Committee) and Coralee (Mrs. Gerhard) Mueller (Staff Advisor) of the University Young Women's Christian Association, expressing delight that I will be the speaker at their International Dinner on Tuesday, April 14th, to speak on "The Nuclear Age". In this letter they describe the program for the evening, which Helen, of course, will also attend. (Helen is an active member of the University YWCA.)

Sunday, March 29, 1959- EASTER SUNDAY

I read a letter from student James C. Martin (Chairman of the University Village Association) dated March 27th, saying that "Today's Daily Californian announced that the University contemplates exchanging part of the Gill Tract for the Public Health building." He strongly urges that the land planned for

married student housing in Gill Tract be kept for this purpose, saying that more than 1200 families are waiting to move into University Village there, a waiting list that has not diminished since January. He said that students cannot afford to pay $75 per month or more for apartments close to the campus so they gladly commute to the Gill Tract in Albany. I will have to look into this, but I believe that the trade that we would make will not cut into land for graduate student housing.

I spent the day reading and with my family.

Monday, March 30, 1959

When I arrived at my Chancellor's Office this morning I first signed a number of letters. Two went to Clark Kerr on the subject of equivalent ranks in the University system. One passed on the recommendations of my Academic Advisory Committee, which essentially recommends that the existing list of equivalent ranks should be continued with only such changes as appear clearly needed. The second points out that a special committee under the chairmanship of Edwin McMillan is considering the problem of non-faculty professional personnel, a problem which is also being considered by the Budget Committee, the AAC and the CAAC. A third memorandum to Kerr tells him that Arnold Rivkin (Director of the African Economic and Political Development Project at MIT), now representing ICA, will shortly make recommendations that may lead ICA to tender a contract to the University to train personnel for the sub-Saharan program.

I responded to Senator Hubert Humphrey's letter concerning the establishment of a U.S. National Institute of International Medical Research. Based on information provided by a group in our Department of Public Health, I commented on some of his specific questions, made the observation that free interchange of information among scientists is beneficial to the world, and indicated that he has my firm support in his project to establish such a national institute.

I wrote Robert B. Howsam (School of Education) proposing that he serve as the representative of the Berkeley campus for the duration of its project to make a study of means of improving educational administration in California, a project about which the California Commission on Public School Administration has written me.

I sent letters to Edward Schafer, appointing him Chairman of the Department of Oriental Languages for the academic year 1959-60 and to Robert Aaron Gordon, formalizing his appointment as Chairman of the Department of Economics for the academic year 1959-60 and stating that I am asking Henry Rosovsky to accept the vice-chairmanship of the Department, as he has recommended.

In answer to a memorandum from Frank Kidner saying he has taken the necessary steps to accomplish the administrative separation of his University of California-University of Indonesia Economics Project from the Bureau of Business and Economic Research as of July 1, 1959 and requesting office space for a secretary of the Indonesia Project near his office in Wheeler Hall, I signed an answer saying I have asked Clint Gilliam (the space assignment officer) to try to find a solution to the problem of an office for the project.

Anna Carol told me that the campus Journalism Club is inviting Harry Bridges to the campus to speak in Room 155 Dwinelle Hall on April 17th; Sherriffs called Gloria Copeland to learn if Kerr has any objections to this and found that he does not, so he called Dean Stone and said to give permission for this.

Today I held budget hearings together with Errol Mauchlan with a number of deans, chairmen and directors.

At 9:30 a.m. I met with Milton Chernin of Social Welfare, at 10 a.m. with Kenneth Pitzer of the College of Chemistry, and at 10:30 a.m. with E. T. Grether of the School of Business Administration.

Then, after going up to the Rad Lab for my regular brown bag luncheon with members of the Nuclear Chemistry staff, beginning at 2 p.m. we met with William Wurster of the Department of Architecture, Donald Coney of the Library, J. Periam Danton of the School of Librarianship, and Francis Violich of the Department of City and Regional Planning.

At 4 p.m. I met with Charles Hulten (Chairman of the Television Committee), who said that their budget of $25,000 for this year just about covers the salary of Ted Sherburne, a secretary and the cost of incidentals, and not much more. He suggested that we nevertheless try to hire Red Valens (my co-author of the book Elements of the Universe) about half-time for about six months (costing about $5,000) to serve as liaison with KQED to go around and develop projects on our campus. He has talked to James Day of KQED and to Ted Sherburne about this and both are very enthusiastic. He said that we may apply to the Ford Foundation for support to visit other places that have educational television, e.g., Hagerstown, through Phil Coombs.

I said that I would like to visit Hagerstown on my next trip to Washington, if this could be arranged for me by Ted Sherburne, and I suggested that this might be done on the morning of April 29th and that Hulten and Sherburne might go with me if they can get the money from the Ford Foundation by then. I also referred to the memo of March 19th from Louis DeMonte regarding television facilities in the Student Center. He said that they said they will discuss this with DeMonte and the BCD next Friday. If we could have a first class facility there, it might be used as a broadcasting point of origin (for example, for KQED) and as a point through which remote group circuit TV could funnel on the campus.

I received a call from State Assemblyman Don Mulford from Sacramento, protesting the publicity given to Roy Nichols, who is running for Berkeley City Council, in the Daily Californian issue of March 27th. He pointed out that the Daily Cal seems to be taking a partisan stand in a city election. I told him that he could tell people that this is a student newspaper, independent in its operation, though we do try to restrain them when they get out of line. I mentioned that the Daily Californian has given space to Dean Stone in his campaign for the Council. Mulford commented that the Daily Cal has always presented a problem, that when he was a student (some 20 years ago, I believe), the editor of the Daily Cal was a "convicted Communist".

During the evening at home Frank Kidner called me from Los Angeles to say that as a result of the meeting of the members of the AAWU today, the Tournament of Roses people are issuing an announcement of its affiliation with the AAWU and he told me that the question of Stanford's participation was the basis of much discussion in the meeting. I said that I will discuss this further with Clark Kerr to see if anything is known about Stanford's intentions.

Ed Schoenfeld (Oakland Tribune) called to tell me he is going to run a story tomorrow saying that the Big Ten will not sign a Rose Bowl pact with the AAWU unless Stanford is a party to it. I convinced him to temper his account of this and he agreed to do so.

A memorandum from Sandy Elberg states that there are five projects now on the campus Major Capital Improvements list for which a solution in whole or in part could be provided by the acquisition of the building now occupied by the State Department of Health-Warren Hall project, Donner and Crocker Laboratories, Agricultural Sciences Building, Photosynthesis Laboratory, and Environmental Physiology Laboratory.

Tuesday, March 31, 1959

I sent a letter to Vice President Richard M. Nixon, telling him that at the University Meeting held on March 25th to honor California's national championship basketball team, Coach Pete Newell read the telegram Nixon sent to him and the team at Louisville. I point out that on this team there is no outstanding star and in fact, none of the boys was elected to an All-Coast, let alone an All-American team, and that the team was rated no better than fourth in the Pacific Coast Conference at the start of the season and never higher than ninth nationally. I ended my letter by saying,

> "It was kind of you to let the boys know that their support is not restricted to the West Coast, but rather is carried afield by California ex-patriots."

I sent a letter to Catherine Welsh (President of the California Home Economics Association) in response to her letter of March 26th which set forth the resolution passed at the Executive Council meeting of the California Home Economics Association on March 20th recommending that the University of California be asked to maintain an undergraduate program to support graduate studies and research in all areas of Home Economics. I stated that the University of California as a statewide institution with some degrees of specialization on its several campuses sometimes finds it appropriate to develop a field of undergraduate study on one or two campuses rather than on each campus.

I wrote State Assemblyman Don Mulford in response to our telephone conversation of yesterday that I have checked into coverage by the Daily Californian of Dean Stone's candidacy for the Berkeley City Council and found a story in the February 5th issue (a copy of which I enclosed).

I noted that Errol Mauchlan is sending today a memorandum to Douglas Chrétien enclosing the statement of policy by the Office of Health, Education and Welfare regarding language programs, research and studies under the NDEA and asking that this be considered at an early meeting of the Language Council. Mauchlan also sent a memo to Constance on the same subject, indicating that I think that it is important that early action be initiated in regard to the proposed conversion of space in Dwinelle Annex for a Language Laboratory.

Upon the recommendation of Mike O'Brien (Dean of the College of Engineering) I sent out a number of letters appointing chairmen of departments in the College for the academic year 1959-60:

Henry Schade	Department of Naval Architecture
William Kennedy	Division of Transportation Engineering of the Department of Civil Engineering
R. A. Seban	Division of Heat Power Systems of the Department of Mechanical Engineering
Egor Popov	Division of Structural Engineering and Structural Mechanics of the Department of Civil Engineering
Howard Eberhart	Department of Civil Engineering
P. H. McGaughey	Division of Hydraulic and Sanitary Engineering, Department of Civil Engineering
S. A. Schaaf	Division of Aeronautical Science, Department of Mechanical Engineering
J. L. Meriam	Division of Mechanics and Design, Department of Mechanical Engineering
Clyne Garland	Department of Mechanical Engineering
John Dorn	Vice Chairman of the Department of Mineral Technology
Ronald Shephard	Vice Chairman of the Department of Industrial Engineering
Joseph Pask	Department of Mineral Technology

--and some reappointments:

E. Paul DeGarmo	Department of Industrial Engineering
John Whinnery	Department of ELectrical Engineering

I also sent out some additional letters on the recommendation of Dean Lincoln Constance appointing chairmen of departments in the College of Letters and Science for the academic year 1959-60:

Charles Hulten	Journalism
Charles Gilbert	Geology
Haakon Hamre	Scandinavian

I also sent a number of letters on the recommendation of Dean Constance relieving chairmen of departments of their duties effective June 30, 1959 and expressing appreciation of their services during the past years:

F. J. Turner	Geology
Otto Struve	Astronomy
Arthur Gordon	Classics
Andreas Papandreou	Economics
P. F. Griffin	Journalism
Denzel R. Carr	Oriental Languages

I sent a memorandum to Clint Gilliam (Registrar) asking him to give continuous thought to the problem of scheduling the final examination for large classes so that the maximum amount of time for grading these examinations may be available to the maximum number of such classes.

At noon in my Conference Room I presided over a meeting of my cabinet with Chernin, Hart, Malloy, Mauchlan and Wilkes present.

I reported on my call from Assemblyman Don Mulford yesterday and on the meeting of the Joint Advisory Committee of the Regents and the State Board of Education held in Berkeley on March 26th and 27th.

Sandy Elberg joined the meeting to discuss the possibilities for use of the State Department of Public Health building if obtained by the University and it was agreed to give first priority to additional space for the School of Public Health and to units planned for an Agricultural Sciences Building.

Kerr has recommended that we name the oval in Edwards Stadium "Walter Christie Oval"; we agreed to ask the Committee on Naming of Buildings to consider naming old California Hall "Berkeley Hall".

Hart reported on plans for ceremonies for dedication of a number of new buildings and his recommendations were approved.

Malloy went over the following items from previous staff meetings which are unfinished business: status of Committee on Bright Young Scientists, plans for the April University Meeting, announcement on procedures for testifying in Sacramento, and the gift of Sidney Ehrman to residence halls.

Hart reported on his conversations with Catherine Hearst regarding funds for presentation of the opera "Aida" (Mrs. Hearst's choice); it will probably be given in the Greek Theatre on either October 4th or October 11th.

I reported that I will be at the Davis Conference on Thursday and Friday, and will attend a meeting of the Liaison Committee on Thursday night in Sacramento and a meeting of the Executive Committee of the IAAC on Wednesday in Berkeley and that budget hearings with the deans have been going on all week.

At 2 p.m. I met with Otto Struve in my office. He asked if I would approve a request for a year's leave of absence to be the Director of the National Observatory in eastern West Virginia, operated by the Associated Universities with offices in New York. I said that I would reluctantly approve this and that I hope he will come back and that I will do everything to try to convince him to come back. He said that he is willing to serve until September 1st as Chairman of the Space Sciences Laboratory Committee and continue as a member after September 1st (at my urging) and suggested that as Chairman I appoint either Ed Teller or if he is too busy, Iz Perlman. He asked that a young astronomer from Russia be invited to come here for a year (the year of his absence) and I said that I would support this in any way possible and that he should work out the method with Bill Fretter.

At 2:15 p.m. I had an appointment with Anders J. Carlson (Engineering). Unfortunately, he is having problems and is not really able to carry on his teaching duties but does not really recognize this and I did my best to carry on a meaningful conversation with him.

At 2:30 p.m. I had an appointment with my old friend, George A. Manov, a fellow graduate student at Berkeley. He told me that he is leaving Tracer Lab, and has an offer from Pennsylvannia State College, and wanted to discuss with me certain facets of academic life, preparatory to going there next week for an exploratory visit in which he hopes to ask crucial questions. He would eventually like a job with us, but I did not respond to these overtones.

At 3 p.m. I had my regular weekly meeting with Lincoln Constance. We discussed the appointment of Mr. Modanski to the Department of Statistics, Survey Research Center. He will follow up on this with Errol Mauchlan and we agreed that appointment for 1960-61 is more reasonable than for 1959-60.

He told me about a conference he has had with Ruben A. Stirton (Paleontology and the Paleontology Museum). He believes that Bobb Schaeffer of the American Museum of Natural History would be the best candidate for a tenured position to replace Charles Camp, who retires next year. Other possibilities include Joseph T. Gregory (Yale University) and Everett Olson (University of Chicago).

Stirton criticized the Department's course offerings and course content and said that he is strongly opposed to having the museum director report through the departmental chairman. He said that he is most unhappy to have J. Wyatt Durham reappointed chairman for 1959-60, although Constance told him that this follows the Special Committee's recommendation.

He also told me about a conference he has had with C. Grant Loomis (German). He plans to invite Eugene Grotegut, graduate of UCLA, to come as Instructor Step I and Herman Schneider (retired from Harvard) to come next fall for one semester. He said that Henry Hatfield (departmental chairman at Harvard) will come as a visitor in 1960-61 and probably cannot be convinced to stay and that Van Hoffa of USC (who is here this year) will not be asked to come permanently.

At 4:30 p.m. I met with Sandy Elberg to go over with him the numerous items concerning buildings, requirements for space and so forth that we have under consideration.

At 5 p.m. I called Tom Cunningham to point out several objectionable parts of the report of the Subcommittee on Eligibility, Scheduling and Recruitment, that we are going to consider at the meeting of the IAAC Executive Committee tomorrow.

During the evening I read a number of memoranda. An interesting one from Jim Hart states that Estelle Caen (Associate University Extension Specialist) and Joseph Kerman (Chairman of the Department of Music) have made a proposal that there be established on this campus in December 1960 a special string music institute and festival and that we bring the world's outstanding cellist, Pablo Casals, to Berkeley along with other great string musicians. They say that Casals has expressed serious interest and would be agreeable to the proposed stipend of $10,000 (which probably could come out of the Springer Fund or the Morrison Fund).

A memorandum from Jim Corley states that the University Students Cooperative Association has been seeking a method by which federal loan funds administered under the College Housing Loan Program could be made available to assist in the financing of an expanded cooperative housing program and that Congressman Cohelan and California State Senator George Miller have expressed interest in this program.

A memorandum from Forrest Tregea (Acting Assistant Business Manager on the Berkeley campus) to Louis DeMonte reminds him that I have expressed an interest in developing an additional access road to the Radiation Laboratory (This would be from Grizzly Peak Boulevard).

A memorandum from Milton Chernin describes a conversation he held with Jack Kent yesterday morning regarding the State Public Health building. Kent, who is a member of the Berkeley City Council, feels that other Council members are opposed to the University's acquisition of this building and that we should not have considered acquiring it until we had discussed it thoroughly with the City officials.

A memorandum to Milton Chernin (Chairman of the Ad Hoc Committee on Acquisition of Mira Vista Country Club) from Committee members Bob Kerley and Bud Hastings states that the owners of the Mira Vista Country Club wish to sell at an asking price of $750,000, under terms of roughly one third cash and the balance over five years. The Country Club membership has not been able to raise the money to acquire the land from the owners. The land is approximately 155 acres, almost equivalent to the land area of the present Berkeley campus west of Gayley Road.

Kerley and Hastings suggest that the Committee recommend to me that I secure the necessary authority to completely investigate this possibility with the aid of appropriate staff members of the President's Office. I must say that this looks like an excellent purchase for the Berkeley campus if we could somehow swing it.

A memorandum from Ray Bressler (Chairman of the Berkeley Budget Committee) recommends urgently that the Administration move as quickly as possible to eliminate the inequity in payment as between the 11-month scale and other types of University summer employment by establishing the 11-month scale at approximately 22% above the 9-month scale.

A memorandum from Arleigh Williams (Director of Student Activities and Chairman of the Committee on Parents Day on the Berkeley Campus) in response to my letter of March 16, 1959, speaks highly of the need for the Committee and recommends the same adult membership for 1959-60 and the same number of students.

I noted in the March 30, 1959 issue of Chemical and Engineering News a very favorable review, written by H. J. Emeleus of Cambridge, England, of my book, The Transuranium Elements, covering my Silliman Memorial Lectures delivered at Yale in 1957 and published by the Yale University Press.

At 6:30 p.m. I called from my Lafayette home and reached Clark Kerr in Los Angeles to tell him about the AAWU-Tournament of Roses meeting in Los Angeles yesterday and the Tournament's concern about whether Stanford has been invited to join. Kerr said he still feels that he has made sufficient effort for an appointment with Sterling and neither he nor I (as suggested in Kidner's phone call Monday night) should press Sterling for any kind of decision.

I also told him about the call from Ed Schoenfeld at home last night, in which Schoenfeld said that he was going to run a story today saying that the Big Ten leaders had said they would not tie up with the Rose Bowl unless Stanford said that they would join the AAWU. I said that I asked him to modify his story, which he did.

I told him about my phone call to Tom Cunningham about the IAAC Executive Committee meeting tomorrow, in which I said that the meeting would probably greatly modify the report of the Subcommittee on Eligibility, Scheduling and Recruitment. Kerr reiterated his objection to the football "B" list which includes such schools as Baylor, Southern Methodist, Texas Christian University, and so forth.

He said he attended a meeting with the Cal Club in Los Angeles today and said he found the students (especially UCLA students) very resentful of the degree of authority, without consultation with students, by the athletic directors.

Helen attended a luncheon today at the home of Ann (Mrs. Ermon) Eastman (2530 Marin Avenue) in honor of Phoebe (Mrs. Thorfin) Hogness. Thorfin and Phoebe Hogness were our friends when I was working in Chicago at the Metallurgical Laboratory during World War II and where, for a time, he served as Director of the Chemistry Division, in which I served as Chief of Section C-I.

Wednesday, April 1, 1959

Before I left for my office, Helen told me that she has an appointment to take Pete and Lynne to see Dr. Packard, the oral surgeon, in Walnut Creek, for a check-up on the removal of their first year molars.

I drove directly to the Radiation Laboratory to attend the meeting of the Associate Directors. Following this, I went to our Chemistry Division office in Building 70 to confer with Iz Perlman, Earl Hyde, Doral Buchholz and others, and to sign some letters. One went to Mr. Ron Warren (Office of the Executive Secretary of the American Chemical Society in Washington, D.C.) to renew my nomination of Burris Cunningham for the 1960 Fisher Award in Analytical Chemistry.

Another went to Rich Thruelsen (Senior Editor of the Saturday Evening Post) stating that in view of his letter of March 18th, I believe that we should drop the matter of my writing an article for their series.

A third letter went to the Honorable Thomas C. Hennings, Jr. (Chairman of the Subcommittee on Constitutional Rights of the Committee on the Judiciary of the United States Senate) in response to his request for my views on the role of free exchange of information for the progress of science. I stated that the exchange of information, including exchange with scientists in foreign countries, is vital for maximum progress and emphasized the importance of direct exchange between individuals. I also stressed the importance of direct relations between our scientists and those of the Soviet Union, stating that here the publications avenue is severely cramped because of our general illiteracy in the Russian language. I deplored the various visa restrictions, non-Communist oath requirements and finger printing that have been distasteful to scientists of Western Europe and have even restricted the entry of eminent scientists to the United States for the purpose of attending meetings. I suggest that we should establish exchange relationships with all countries of the world, including Poland, Czechoslovakia and the People's Republic of China.

I then drove down to the campus and attended a meeting of the Intercollegiate Athletic Advisory Committee (IAAC) in General Counsel Tom Cunningham's office. Among the items we discussed were the question of scheduling football games for Berkeley and UCLA and the concept of a national conference that might include the service academies among its members. It was agreed that in the future all announcements concerning athletics will be cleared through the Chancellor's Office of each campus.

When I returned to my office after lunch, I signed letters to Walter Horn (Chairman of the Department of Art) and George Foster (Chairman of the Department of Anthropology) commending them on the Monday Noon lectures sponsored by their departments, which were called to my attention by the Committee on Drama, Lectures and Music.

I wrote to Robert J. Hartman (Department of Chemistry of Georgetown University) in reply to his request of February 16th, recommending for the chairmanship of his department Richard Glass of the Stanford Research Institute and Gregory Choppin of the Department of Chemistry of Florida State University.

In response to a request by Dean Mike O'Brien, I wrote to Colonel George M. Knauf (Occupational Health Research Laboratory, Air Force Missile Test Center,

Patrick Air Force Base, Florida) inviting him to hold the Third Tri-Service Conference on Biological Effects of Microwave Energy on the Berkeley campus on July 7th, 8th and 9th of this year.

I wrote Oliver Strunk (President of the American Musicological Society, Princeton University) inviting the Society to our campus for their national meeting at Christmas 1960, to be co-hosted by Stanford University.

I wrote to Dick Erickson (Executive Manager of the California Alumni Association) thanking him for making me aware of the problems involved in the maintenance of the alumni records and asking that he, jointly with Bob Kerley, come up with a recommendation on how to do this.

At 3:30 p.m. in my office I met with Henry Vaux (Chairman of the Department of Forestry) and Dean Daniel Aldrich, along with Errol Mauchlan, to conduct the budget hearing for the Department of Forestry.

At 4 p.m. I met with Frank Beach (Psychology) who described to me his hope to establish a field station for behavioral research. He mentioned the need for four acres and suggested the EBMUD area around San Pablo Dam and I mentioned in turn the possibility of Chaparral Hill or the Miller estate at Santa Cruz. He envisages about $300,000 to $500,000 worth of construction to prepare the area, which he will try to get from NSF. I described for him the need for this project to be considered by the Educational Policy Committee and I said that I will create a study committee including him, Sherry Washburn, Alden Miller, and two others, whose recommendations would then go through regular channels. He will write me a letter summarizing the situation and including the names of the people who will be involved in the experiments.

After this, I read a memorandum from Milton Chernin reporting on the joint luncheon meeting held in the French Room of the Durant Hotel of the Liaison Subcommittee of the Committee on Buildings and Campus Development and the Liaison Committee of the City of Berkeley. Berkeley campus members present were: R. W. Jennings (Chairman of the BCD Liaison Subcommittee), M. Chernin, L. A. DeMonte, G. Hearn, V. D. Kennedy, R. F. Kerley and A. R. Wagner (Secretary) and also N. H. Dyer. Members of the Berkeley City Liaison Committee present were: P. S. Breck, Jr. (Planning Commissioner), Mrs. A. T. Morse (Planning Commissioner), J. A. Barnes (Director of Planning), F. Hutchinson (City Attorney), S. Jacka (Director of Public Works) and also R. E. Oakes (Assistant Traffic Engineer, Department of Public Works) and J. D. Phillips (City Manager). The purpose of the meeting was, at the request of the City of Berkeley representatives, to discuss the impending move or expansion of the State Department of Public Health and the resulting involvement of the University of California. Breck served as chairman of the Berkeley contingent in the absence of the regular chairman J. S. Burd, Jr. (Planning Commissioner). After two hours of discussion there was agreement by all present that this matter should no longer be discussed by the Liaison Committee but should be discussed by higher officials of the University and of the City. Mr. Phillips will get in touch with me shortly to discuss the next steps on how this matter can be further pursued between the City and University.

I then drove to San Francisco to attend a cocktail party in the Florentine Room of the Mark Hopkins Hotel, given by Time-Life in honor of Pollard and Truitt.

Iz Perlman and I drove together to the Davis campus to attend and participate in a "Davis Conference" to be held in Hughes Hall. We arrived in time for a late buffet dinner in the conference headquarters, Beckett Hall, where we spent the night.

Thursday, April 2, 1959

I spent the day at the 14th All-University Faculty Conference on the subject "Autonomy and Centralization in the Statewide University" at the Davis campus. The participants spoke to a number of reports that were embodied in the conference program.

After attending the conference dinner, I drove to Sacramento to attend a meeting of the Liaison Committee on Higher Education in California held in Room 166 of the State Education Building (721 Capitol Avenue).

Friday, April 3, 1959

I again spent the day attending the Davis Conference. One general conclusion of the conference is that the body of the faculty needs to be informed as to the part played in administrative planning by the Academic Senate, in particular as to the committee structure whereby the work of Senate committees finds focus in committees advisory to the Chancellor. It was agreed that the question should be reconsidered at a subsequent meeting of the Davis Conference. The conference ended with a fellowship hour in the Faculty Club at the Student Union. Following the dinner, Iz and I drove back home to Lafayette.

Milt Chernin called me at 8:30 p.m. to tell me about a conversation he had today with Frederick Kriete (Deputy Director of the State Department of Public Health). Kriete told him that the Department of Public Health has made up its mind that the present site just west of Oxford Street is too small for its needs but, nevertheless, all they will get in the 1959-60 budget is planning money, including planning for a site. Thus, there is no substance to Berkeley City Manager Phillips' claim that the reason he does not want to work through the Liaison Committee is that there is not enough time. Kriete said that the State Department of Public Health wants no public discussion of this until after July 1st, but that I am free to relay this information to Phillips, perhaps after talking to Dr. Malcolm Merrill, Director of the State Department of Public Health.

Saturday, April 4, 1959

Albert Ghiorso has returned from his visit to the Soviet Union and I had a long talk by phone with him this morning. He attended the Mendeleev Conference in Moscow that I was prevented from attending because it conflicted with the date for my inauguration as Chancellor. He also visited the Atomic Energy Institute in Moscow, where he had long talks with Flerov and the members of his group, who are working on the synthesis and investigation of the isotopes at the very top of the periodic table, as we are at the Radiation Laboratory. Flerov told him about their work on isotopes of Element 102, some of which is in apparent conflict with our results on this element.

Some mail had been sent out to my home and I noticed a critical memorandum from Frank Newman of the School of Law. He refers to my statement that appeared in the Daily Californian on Friday, March 26th, with respect to "University Policies and Procedures Concerning Student Organizations and Activities" and disputes my conclusion that "Present University rules and regulations do not permit meetings of the nature requested [by SLATE for the purpose of supporting Proposition C]." He states that no such rule or regulation is now operative and that the Academic Senate Committee on Academic Freedom has scheduled a meeting at 2 p.m. on Thursday, April 9th; he requests that I forward a reply to this question before that meeting.

I noted a memorandum from Sidney Suslow (Office of the Registrar) enclosing a study of undergraduate grade point averages for students completing Fall Semester 1958 (attached). For 13,154 students, 8,324 men and 4,830 women, the grade point averages of 2.46 for men and 2.52 for women are cumulative averages.

A letter to Clark Kerr that went out in my name yesterday summarized the situation with respect to the possibility of acquiring the State Department of Public Health Building in Berkeley. It states that the building contains approximately 60,000 square feet of office space and 40,000 square feet of laboratory space and includes a list of the campus laboratories, institutes, centers and so forth, that might occupy this space. In return for this building we would give the State Department of Public Health about eight acres of land in the Gill Tract for the new State Department building, which would still maintain some open areas there and provide an area for married student housing.

I also noted a copy of a memorandum sent out by me yesterday to department chairmen, deans (including graduate), directors and other campus officers, noting that by a directive of Clark Kerr dated March 23, 1959, and effective immediately, the campus now has authority for (a) academic appointments (the Chancellor's Office), (b) for non-faculty research appointments and teaching assistants (the Graduate Dean's Office), and (c) for non-academic appointments (the Personnel Office).

I noted a letter that went over my signature on Thursday to Dean Mike O'Brien, stating that I have sent the letters of appointment for chairmen and vice chairmen for the departments and divisions of the College of Engineering, based on his recommendations. However, I say that I have not sent an appointment letter to Professor Larry Grossman to designate him Acting Chairman of the Department of Nuclear Engineering pending our finding a regular Chairman for the Department as soon as possible and ask him to determine whether Grossman would be willing to accept this responsibility on a temporary basis.

Another letter went out on Thursday to California Senator Clair Engle, thanking him for his remarks to the Senate that made reference to the University's national championship basketball team and his inclusion in the Senate Record of an article describing this triumph.

A letter from Donald Coney (Chairman of the Committee on Drama, Lectures and Music) in response to my letter of March 3rd, recommends that the DLM Committee (now to be called the Committee for Arts and Lectures [CAL]) be reduced from 14 to seven members, including the secretary (Mrs. Connors), who does most of the work of the Committee. He recommends Robert Goldsby as

BERKELEY: OFFICE OF THE REGISTRAR April 3, 1959

Recent tabulations have allowed us to calculate the G. P. A. of the students based on their Fall, 1958 work only. The male undergraduate students' G. P. A. was 2.37 which is 0.09 less than the cumulative G. P. A. reported in the study attached. The female undergraduate G. P. A. for the Fall Semester only is 2.44 or 0.08 less.

Not reported on the accompanying sheet is the cumulative G. P. A. of 3.29 for the graduate students (not to be confused with graduating seniors as reported on the form). The same recent tabulations noted above show that the G. P. A. of these same graduate students for the work in the Fall Semester only is 3.17.

Sidney Suslow

UNIVERSITY OF CALIFORNIA

A Study of Undergraduate Grade Point Averages
Students Completing Fall Semester 1958

	Number of Students		Percentage Distribution of Fall 1958 Enrollment		University of California Grade Point Average		Percentages of Averages Below "C"		Percentages of Averages Above "B"	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
Graduating Seniors	448	158	5.4	3.3	2.57	2.64	0.4	0.0	19.2	22.8
Spring 1959 Continuing	6,961	4,208	83.6	87.1	2.51	2.55	15.4	13.7	18.2	18.5
Non-continuing	915	464	11.0	9.6	2.02	2.18	61.9	46.8	6.6	9.1
TOTAL	8,324	4,830	100.0	100.0	2.46	2.52	19.7	16.5	17.0	17.7
GRAND TOTAL	13,154		100.0		2.48		18.5		17.2	

Grade Point Average Intervals	Men		Women		TOTAL	
	No.	%	No.	%	No.	%
4.00-3.50	378	4.5	220	4.6	598	4.5
3.49-3.00	1,035	12.4	635	13.1	1,670	12.7
2.99-2.50	1,986	23.9	1,317	27.3	3,303	25.1
2.49-2.00	3,286	39.5	1,863	38.6	5,149	39.1
1.99-1.50	1,221	14.7	567	11.7	1,788	13.6
1.49-1.00	275	3.3	146	3.0	421	3.2
0.99-0.50	93	1.1	55	1.1	148	1.1
0.49-0.00	50	0.6	27	0.6	77	0.6
TOTAL	8,324	100.0	4,830	100.0	13,154	100.0

Berkeley, California
April 3, 1959

Office of the
Registrar

Chairman of the Subcommittee on Drama, Joseph Kerman as Chairman of the Subcommittee on Music, Herwin Schaefer as Chairman of the Art Exhibition Subcommittee, Travis Bogard as Chairman of the Movies Subcommittee and Charles Jelavich as Chairman of the Lectures Subcommittee; with Coney's continuance as Chairman of the overall Committee, this would constitute the seven members.

Sunday, April 5, 1959

I spent the day with my family and also putting the finishing touches on my speech, "The Impact of Science on Our Future", that I am scheduled to give to the Ancient and Accepted Scottish Rite of Free Masonry in Oakland tomorrow night.

Monday, April 6, 1959

Today, from my Chancellor's Office, I sent out a number of memoranda and letters. To Philip Selznick (Department of Sociology and Social Institutions) I wrote asking him to accept appointment as Vice Chairman of the Department, and to Le Roy Merritt, I wrote appointing him as Vice Chairman of the Department of Librarianship.

On the recommendation of the Chairman of the Buildings and Campus Development Committee and on the advice of the Building Names Subcommittee, I wrote to Clark Kerr, recommending that the track area in Edwards Stadium be called the "Walter Christie Oval".

I wrote to a number of state legislators, thanking them for attending the University's twenty-first Charter Day and my inauguration as Chancellor on March 20th and enclosing a copy of the University Clipsheet (of which future issues will be sent) and the University Calendar (inviting them to attend any of the listed events). This letter went to Assemblyman Thomas J. MacBride and State Senators James A. Cobey, Nathan F. Coombs, John W. Holmdahl, Albert Rodda, Jr., Waverly Jack Slattery, and Richard Dolwig.

Another letter went to James S. Moulton (Vice President of Pacific Gas and Electric Company), saying that, on behalf of the Chancellor's Advisory Committee on the Marine Biological Laboratory, I am writing to ascertain whether there is any definite information on their plans for a nuclear power reactor at Bodega Head. I mentioned that the Committee's deliberations must take into account any possibility of joint usage of the Bodega Head site with the Pacific Gas and Electric Company.

I also wrote State Assemblyman Don Mulford, who has asked permission for his student son to use the indoor rifle range at the University, saying that I have asked Colonel John T. Malloy (Chairman of the Department of Military Science and Tactics) to advise me on this matter.

From 9:30 a.m. through lunch in the Chancellor's Conference Room I presided over a meeting of faculty members with Carl W. Borgmann (Director of the Program in Science and Engineering of the Ford Foundation) and DeForest L. Trautman (Program Associate in the Program in Science and Engineering of the Ford Foundation). Present were Dean of Engineering Mike O'Brien (who has just returned to take over his deanship from Garland, who was Acting Dean during his absence), Earl Parker (Professor of Metallurgy, Division of Mineral

Technology and Director of the Institute of Engineering Research), Boris Bresler (Department of Civil Engineering and Assistant Dean for Graduate Work in the College of Engineering), Raymond Bressler (Department of Agricultural Economics and Chairman of the Campus Budget Committee), and Vice Chancellor Edward W. Strong.

Borgmann described the Fellowship-Assistantship Loan for Married Doctoral Students in Engineering sponsored by the Ford Foundation and invited Berkeley to submit an application for funds to finance the program on this campus--a grant sufficient to provide assistance for as many students as possible in a single year at Berkeley. In reply to a query from Borgmann, we said that the Ford Foundation might be of aid to engineering education in other ways, such as furnishing money to refurbish scientific equipment and money to give relief to newly-appointed younger faculty members. After the meeting I asked Strong to supervise the preparation of a proposal to be submitted to the Ford Foundation with the help of a committee consisting of O'Brien, Parker, Bresler and Bressler, and later I told O'Brien about this plan and asked him to forward a draft of the proposal to Strong as soon as possible.

From 2 p.m. until 3 p.m. I held my regular open Student Office Hour, attended by eight students, including Carlyle Hillsman (who discussed methods of improving service for students at Cowell Hospital), Michael Commins (general discussion), Bob Hawkinshire (to discuss the report in the campus humor magazine, the Pelican, on reiteration of a faculty advisor of the desire to publish), Mike Hone (to discuss SLATE activities), Bob Irvine and Dave Toll (to discuss the problems with the Pelican) and Ron Eddings (general discussion).

At 3 p.m. I met with Knowles Ryerson (Department of Agricultural Economics) and Dean Daniel Aldrich, together with Errol Mauchlan, for a budget hearing on their department.

At 3:15 p.m. I received a phone call from John Phillips (Berkeley City Manager), who wants to have a meeting with me and the Liaison Committee, or at least the chairmen (Breck and Jennings), reiterating that he feels there is a great urgency in solving this problem of the Berkeley interest in the State Public Health Building. I told him about the conversation that Chernin had with Kriete (Deputy Director of the State Department of Public Health) indicating that there was no urgency. Phillips then agreed with me that we should keep it in the Liaison Committee. When I told him that Kriete had also asked that there be no public discussion of this before July 1st, he agreed to take this item off the agenda for tomorrow night's Council meeting. Immediately following this phone call, I asked Kitty Malloy to call Kriete and tell him to expect a phone call from Phillips and to tell him what I had told Phillips. (Kitty did this later and told me that Kriete expressed the opinion that Phillips must be the person who made the disclosure about the State Public Health group moving, which led to the sensational story in the Berkeley Gazette.)

I then went back into the Chancellor's Conference Room to attend budget hearings, along with Errol Mauchlan, first for Harold Jones (Director of the Institute of Child Welfare) and then for Orlando Wilson (Chairman of the Department of Criminology).

At 4:30 p.m. John Rasmussen called from the Radiation Laboratory to tell me that he and Iz Perlman and others have met with Louis DeMonte to discuss a

second access road to the Building 70 addition (Chemistry Building) and DeMonte doesn't seem to be sold on it.

I noted a letter from Ernest Besig (Executive Director of the American Civil Liberties Union of Northern California) acknowledging my letter of March 26, 1959 which enclosed a copy of my release of March 25th to the Daily Californian regarding rules governing the holding of campus meetings by students. He wrote that his board is concerned and disturbed by the ruling, which prohibits a campus meeting by a recognized student group because it intends to state its position on off-campus issues, and asked whether I would be willing to meet with his board to discuss this. I asked Anna Carol to call him to make arrangements for such a meeting.

Another letter came from Kathryn Brownell (wife of William Brownell, Dean of the School of Education), writing in connection with her role with Episcopal Church Women, Diocese of California, saying that Bishop and Mrs. James A. Pike would like to have a copy of the speech that Mr. Malik delivered at my inaugural ceremonies. I asked Anna Carol to send her a copy. Bill Brownell is on sabbatical this semester, but he and Mrs. Brownell attended the Charter Day ceremonies despite this.

When I went home for dinner, Helen told me that she attended a meeting this morning and through lunch for the "Friend for a Year Committee" of the Foreign Student Hospitality group at the home of Roxy O'Neill (230 Stanford Avenue in the Kensington district).

After dinner I drove to the Scottish Rite Temple (1547 Oak Street, Oakland) to address the Ancient and Accepted Scottish Rite of Freemasonry, arranged through Dale I. Stoops (Chairman of the Speakers Committee). I spoke on "The Impact of Science on Our Future", describing the effect of science in launching space satellites, furnishing the physical comforts of life through material things and through medicine, and emphasizing the need for educational reform with a number of recommendations for imp oving the quality of secondary education. The latter area was based in large part on the report by James B. Conant on the American high school (under the auspices of the Carnegie Corporation of New York). I concluded with a discussion of a number of our problems in the area of foreign policy, especially as concerns our relations with the Soviet Union.

When I returned home, Helen told me that she had taken Pete to a meeting of the Boy Scouts at the Happy Valley School this evening.

Tuesday, April 7, 1959

Today was a day of budget hearings, both for the Berkeley campus members conducted by Errol Mauchlan and me, and from the statewide point of view with Vice President Harry Wellman.

In the course of the day I signed a number of letters. A letter went to G. N. Flerov (Atomic Energy Institute in Moscow) to thank him for the beautiful gift that he sent to our family via Albert Ghiorso and for the photographs of Dimitri Mendeleev. I also wrote Vitalii Goldanskii (P. N. Lebedev Physical Institute in Moscow) thanking him for sending me his book on nuclear tranformations. In both cases I expressed my regret for being unable to attend the VIII Mendeleev Conference in Moscow last month.

BERKELEY
LOS ANGELES
RIVERSIDE
LA JOLLA
DAVIS
SAN FRANCISCO
SANTA BARBARA
MT. HAMILTON

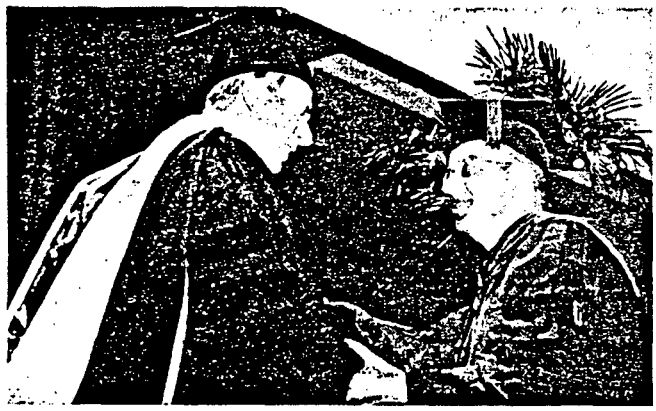
University Bulletin

A WEEKLY BULLETIN FOR THE STAFF OF THE UNIVERSITY OF CALIFORNIA

Volume 7, No. 32 April 6, 1959

The University of California's 91st Charter Day

SAUNDERS INAUGURATED—J. B. deC. M. Saunders, newly inaugurated Provost at San Francisco, exchanges congratulations with Dr. Karl F. Meyer, right, Faculty Research Lecturer, after Charter Day program in Millberry Union, San Francisco Medical Center. Between them is President Clark Kerr; at left, Vice-Provost Willard C. Fleming.



ALDOUS HUXLEY HONORED—The honorary degree of Doctor of Literature is bestowed on Aldous Huxley, Visiting Professor-at-Large at Santa Barbara, by President Kerr. Huxley's is the first honorary degree to be conferred on the Santa Barbara campus. A distinguished author and humanist, Huxley delivered the Charter Day address at Santa Barbara.

BERKELEY

East-West War Being Decided in Classrooms and Laboratories, Chancellor Seaborg Indicates

The final battle between democracy and communism will be fought in the classroom, Berkeley Charter Day speakers Glenn T. Seaborg and Charles A. Malik advised in featured addresses on March 20 in the Greek Theatre.

Seaborg emphasized that, even if given peace, the peoples of the world must still look toward a decisive conflict—"a contest of ideas and of intellectual achievement and performance in which the 'blood, sweat and tears' will be shed in classrooms, libraries and laboratories."

The final East-West war, he indicated, has already begun and will end gradually, "perhaps without the defeated knowing it for a long time."

The realities of the non-military trials ahead, Chancellor Seaborg said, require the fullest development of individual talents, a program of accelerated research, and more and better balanced educational facilities. He called for correction of an underemphasis on science, for "until our people become as much at home with science as with other phases of our national life, I fear that we shall have increasing difficulty living up to the ideal of an informed people as the proprietors of liberal democracy."

At the same time, the newly inaugurated Chancellor cautioned against an overemphasis on science. "Just as our University now has funds to provide scientists with periods of freedom to create, so should we be able to afford the same opportunity to scholars in the arts, humanities and social sciences," he declared.

Malik, President of the Thirteenth Assembly of the United Nations and former Lebanese Ambassador to the United States, stated that fundamental theoretical research is the creation of Western civilization and that Western civilization will perish "if the university is going to prove unworthy of this most marvellous creature of the West by seeking lesser things."

"If the West has any decisive superiority, it consists in the intensive cultivation of theory whereby the mind penetrates, understands and exploits nature," he declared.

The answer to the danger of war, he said, is science and still more science. "It was science that helped to create this material civilization with its infinite dangers, and therefore it is science that must help to save it unto its infinite possible glories."

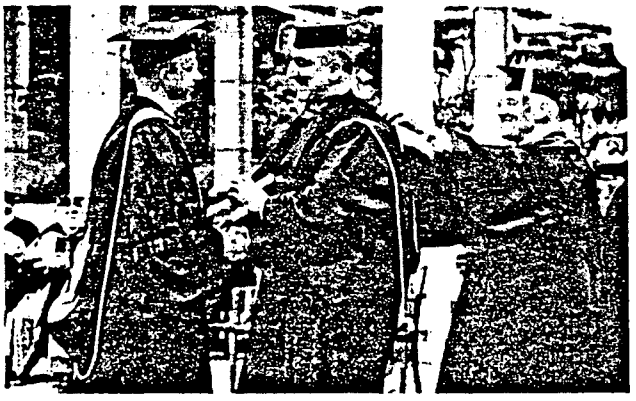
Malik warned that there will be no true peace with communism until communism radically modifies its character, overcomes itself and allows the Russian people free expression of their literary, scientific and spiritual genius.

"An absolute distinction must be made between the Russian people and the Communist Party, partly because this

distinction is a fact, and partly because peace is going to depend more and more on the reaffirmation by the Russian people of their distinctive original spirituality."

The distinguished Middle Eastern diplomat and educator stated that the emergence of Asia and Africa into freedom and independence serves the university with exciting opportunities to help these peoples solve their own economic and political problems through science and learning, by discovering "the revolutionary importance of liberal and scientific education for them" and by letting "the English tongue fulfill its historic mission today."

President Kerr, in his first public address since his own inauguration last September, announced that a total of $2,375,000 had been raised to date in the California Alumni Association campaign for the Student Center at Berkeley. Foremost among the donors is Regent Edwin W. Pauley, whose gift of $1 million was announced publicly for the first time by the President. He also cited the new Strawberry Canyon Recreational Area at Berkeley, which was dedicated at a noon luncheon just prior to the afternoon ceremonies, the development of which was made possible by a gift from Walter and Elise Haas of San Francisco and the estate of Lucie Stern, late aunt of Mrs. Haas.



HONORARY DEGREE—President Clark Kerr congratulates Charles A. Malik on receipt of his honorary degree to close Charter ceremonies on the Los Angeles campus. Acting Chancellor Vern O. Knudsen (right) adjusts Malik's newly bestowed hood.

DAVIS

President-emeritus Sproul Derides "Crash Programs" for Solving Teacher Shortage

A "crippling shortage of teachers and professors" in the United States cannot be remedied by short-term "crash" programs, President-emeritus Robert Gordon Sproul told the Charter Day audience at Davis March 24.

He put in a plea for long-term planning, "an overhauling of our educational structure from bottom to top, both curricularly and financially.

"Primarily," he said, "the need is to speed up and improve the education of our best minds to their highest potential.

"The ultimate victory of representative democracy over totalitarianism and communism will not be ours unless our people truly accept this responsibility and demonstrate their willingness to sacrifice to fulfill it."

Addressing faculty members, students, and others of the University community at Davis, Sproul turned his attention largely to agriculture and to the future of the Davis campus "as a natural focus for farm people, farm interests and future farmers."

"I believe," he said, "that the social and economic problems of agriculture may well be far more difficult than its problems of technology and production.

"I say this because the present age of extreme specialization and increasing international contacts and impacts seems to me to underline and emphasize the need for broader education for careers in agriculture than has ever been needed or offered in the past. . . .

"Each year of the twentieth century has seen farming in the United States become more specialized, more scientific, more competitive, and more expensive. The size of individual farms and farm operations constantly grows, whether measured in burgeoning acres or in shrinking dollars.

"Farmers more and more become involved, even integrated, with their suppliers and with those who process and distribute their products. The number of individual farm owners and operators steadily decreases.

"For these and many other reasons, not only the farmers on the land, the dirt farmers if you will, but also those men and women engaged in related activities and especially what is sometimes called 'agribusiness,' will demand more and more general as well as special education, and only institutions of university stature will be able to give them what they need."

Sproul's Charter Day address highlighted ceremonies including a formal academic procession of the Davis faculty, representatives of the Regents, and statewide officers. The ceremony in Recreation Hall opened at 10:30, with Professor J. E. Knott, as University Marshal, leading the procession of robed faculty members.

Music was provided by the University Band and Chorus. Chancellor Stanley B. Freeborn presented the President-emeritus to the Charter Day audience after a report from Vice-president Harry R. Wellman. The Rev. Ray Dugger, pastor of the First Baptist Church of Davis, offered the invocation and benediction.

LA JOLLA

"We Need More Scientists Who Are Philosophers and Scholars"

The President of the National Academy of Sciences derided the trend of some universities to "give their students the bare bones of science, inarticulated and unclothed with the flesh of meaning," in a Charter address at La Jolla on March 26.

Detlev W. Bronk warned that "scientists whose knowledge of science is narrowly restricted are hampered in their research. They are unfitted to form new facts into conceptual schemes—which is science." The universities in which these scientists serve often are guilty of the same type of error, presenting a wealth of knowledge in a single field of science but "no view at all of the broad sweep of intellectual adventure throughout the ages."

Bronk cited the plans for the establishment of an enlarged graduate curriculum at La Jolla and the program of the Rockefeller Institute, of which he is President, as being dedicated to the fulfillment of the ancient high ideals of a university.

Bronk called for the encouragement of the creative imagination, and for the fostering of more scholars who have "an understanding of the relatedness of the field of their competence to the many other fields of learning.

In a letter to James Miller (Assistant Vice President-Business Affairs) I endorsed the undergraduate research participation project in the College of Engineering.

To Gordon Mackinney (Food Technology) I sent a memo asking him to serve as Chairman of a Chancellor's Special Committee to Review Undergraduate Curricula in the School of Public Health, to study and report on the program and direction of the School. Asking them to serve as members of the committee, I sent memos to Sherburne Cook (Physiology), Steve Diliberto (Mathematics), Cornelius Tobias (Medical Physics), Hardin Jones (Physiology and Medical Physics), Percy McGaughey (Sanitary Engineering in the Department of Civil Engineering), Dick Powell (Chemistry) and Robert Crede (Herbert C. Moffitt Teaching Hospital at the Medical Center in San Francisco).

Also, letters went to the following, appointing them as members of the Buildings and Campus Development Committee: S. S. Elberg (Chairman), M. S. Beeler, E. H. Burness, S. F. Cook, L. A. DeMonte, C. G. Gilliam, W. D. Gwinn, J. W. Hutchison, R. W. Jennings, R. F. Kerley, Leonard Machlis, M. A. Milczewski, C. L. Nordly, D. A. Revzan, C. R. Routsong, R. L. Thornton, G. E. Troxell and J. A. Zivnuska.

I have received a letter from N. R. Sutherland (President of Pacific Gas and Electric Company) enclosing a copy of the April issue of PG&E Progress, which contains quotations from a talk I gave recently. Included is my statement:

> "Probably the most difficult problem, which may well be the limiting factor in determining the extent to which nuclear energy will be used for industrial power, is that of disposal of the tremendous quantity of radioactive fission product waste material."

From 10:30 a.m. until 11 a.m. I held budget hearings, together with Errol Mauchlan, with Paul Taylor and Tom Blaisdell of the Institute of International Studies and, from 11 a.m. until noon, with Dean Mike O'Brien of the College of Engineering.

I held the regular weekly brown bag luncheon meeting of my Chancellor's Cabinet in the Chancellor's Conference Room with Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes present. I gave the group my extensive travel schedule between April 14th and May 3rd.

We discussed policy for naming of residence halls and agreed that the present policy of naming the halls after people who have taken a great deal of interest in students (including distinction in teaching) or after donors should be continued as it has been a long tradition on this campus. We agreed that old California Hall be named "Berkeley Hall" or "George Berkeley Hall" and will suggest this to the Names Committee.

I briefed them on the meeting of the IAAC Executive Committee last Wednesday, where it was agreed that any athletic announcements, including those from the ASUC, are to be cleared through the Chancellor's Office (on the Berkeley campus, it will be through Alex Sherriffs) and this will mean closer liaison with Paul Christopulos (the press relations man for the Department of Athletics).

OAKLAND TRIBUNE
April 7, 1959

New Study Ordered on Health Bldg.

BERKELEY, April 7—The state has agreed to reopen studies for enlargement of its $5,000,000 Public Health Building in downtown Berkeley, the city council was notified today.

City Mgr. John D. Phillips said he was so informed by the State Department of Finance. He said that the finance department will use funds for planning and site development to conduct a study in the controversy.

Phillips said that this is "a change of attitude" induce by Berkeley Assemblyman Don Mulford who has demanded a full investigation of the Public Health Department's plans on the building. The city attorney said that state study will cover enlargement of the building, or building a new one on level land, either at the Gill Nursery Tract, in Albany owned by the University of California, or at Sacramento.

MONEY PLEA LATER

"I am not so sure that the door is closed now, since the reevaluation has been ordered," Phillips said.

The information came in conversations with Dr. Malcolm Merrill, state director of health, Phillips said Merrill reported that no construction money will be asked until next legislature.

The council's liaison committee on university matters recommended that the building be enlarged "for the best interests of the people." The council adopted the recommendation and instructed the committee and Phillips to "keep in close touch" with the situation.

NO COMMITMENT

Chancellor Glenn Seaborg of the university has reported that the university has made no formal commitments on a proposal to swap Gill Nursery land on San Pablo Ave. for the building, the committee said.

In other business, the council:

Created an art commission of 11 members to serve four-year terms. The group will include a representative each from the Recreation and Planning Commissions and the Council.

Approved in principle the League of California Cities recommendation that any Metropolitan Council for the nine Bay Area counties recognize local government autonomy.

Entered an agreement with the university for a study of the replacement of the city's Sather Gate parking lot. The university will pay $5,000 for the study and the city will spend $3,500 for a study of long range parking needs in that area.

I asked Fretter to help draft a letter to Governor Pat Brown, emphasizing the importance of educational television in California.

I described the latest status of the State Department of Public Health Building and some of the problems being discussed by the Joint Advisory Committee on Higher Education. Malloy then went over some of the items from previous Cabinet meetings which are still pending.

At 2 p.m. Errol Mauchlan and I had a budget hearing for Bill Prosser (Dean of the School of Law) and at 2:30 p.m. for Bill Brownell (Dean of the School of Education).

Then, from 3 p.m. until 5 p.m., Errol Mauchlan, Ray Bressler and I met in the Regents Room of Sproul Hall with Vice President Harry Wellman, George L. Webber (Assistant Budget Officer) and Heany to discuss the 1960-61 budget request target figures for the Berkeley campus. The following priorities were established in respect to new and improved programs: building up libraries, adding some urgent new research activities, equalizing faculty-student ratios at Berkeley and Los Angeles, giving extra help to campuses which are undertaking new graduate programs, instituting new graduate professional programs in appropriate areas, providing smaller sums to encourage a) undergraduate honors programs, and b) decentralization and improvement of student services. We, of course, have the advantage of all the information we have gained from the budget hearings we have held with our own Berkeley campus people during the last couple of weeks.

During odd times in the day and after dinner at home in the evening, I read my incoming mail. A night letter sent to me and a duplicate to Alex Sherriffs from Barbara Bakus (President of the Executive Committee of the Student Civil Liberties Union, Venice, California) states that UCLA students are deeply concerned with the suppression of free speech on the sister campus, Berkeley, citing, "denial of due process by the Faculty Committee on Student Conduct, denial of meeting rights by office-seeking dean, refusal to state charges against student, refusal to allow counsel, witnesses or press." I suggested that a reply go out, expressing sorrow that she is so ill-informed.

A memorandum from Milton Chernin reports on a conversation he had with Berkeley City Manager Phillips this morning. Phillips has learned from Malcolm Merrill (State Director of Public Health) that the Department is now re-studying the cost of adding to the present building, thus, raising doubts whether the Berkeley campus will inherit this building. Phillips said the City Council is referring the whole matter back to the Liaison Committee and is recommending that State Department of Public Health stay in Berkeley and enlarge their present building. The story on this change in attitude appears in tonight's Oakland Tribune (attached).

As a follow-up to his conference with me last Wednesday, Beach describes his proposed field station for behavioral research on or near the Berkeley campus and lists the Berkeley faculty who are interested in this--Alden Miller, Starker Leopold, Frank Pitelka, Peter Marler, William Lidiker, Sherwood Washburn, Frank Beach, David Krech, Mark Rosenzweig, Gilbert French, Gerald McClearn, and Donald Riley. He requests that I appoint a committee to guide the planning and I marked on the memorandum that this should consist of Alden Miller, Sherwood Washburn, Frank Beach and two others.

I read an encouraging letter from Bill Baker (Vice President of Research of Bell Laboratories and member of PSAC) expressing approval of Ken Pitzer's plan to have a laboratory at Berkeley on interdevelopmental cooperative research on the basic properties of materials, stating that this general issue of a national program on materials research has been made a prime subject for action at the first meeting of the new Federal Council for Science and Technology.

A memorandum from Clark Kerr to Chief Campus Officers describes the method of administration of the Summer Faculty Fellowship program.

Vic Schmidt wrote that he saw Clark Kerr, as scheduled, on Tuesday, March 31st, and received encouragement for some kind of a position with the University of California.

Another memorandum from Kerr requests that all University officials and employees are to utilize air coach rather than first class air travel in view of Governor Brown's request for full cooperation in practicing strict economies in operation,.

A memo from Bill Fretter urges that the Buildings and Campus Development Committee (BCD) should not be bypassed in considering the building program for UCRL and that I should avoid taking items directly to the CPC, without letting BCD look at them first.

Fretter also shared with me a memorandum he received from Hardin Jones and Nels Garden, saying that Kaufman is pressing for an answer to his latest proposal on the use of tritium for investigation of water flow in the Madera County irrigation canal. This raises the need for a policy on this matter and I suggest in my note that we send a copy of this letter to Kerr.

During the evening Helen and I dropped in for a while at a meeting of the Happy Valley Glen Homes Association at Happy Valley School.

Wednesday, April 8, 1959

I drove directly to the Radiation Laboratory this morning to attend a meeting of the Associate Directors and then spent most of the rest of the morning there talking to my graduate students, Glen Gordon, Vic Viola and Marshall Blann and also to Iz Perlman, Doral Buchholz and so forth.

At the Associate Directors meeting McMillan gave us a progress report on the considerations of his non-faculty research personnel committee; they are thinking of 1) having a title for these people with the right to have graduate students and with membership in the Academic Senate but without tenure, or 2) that the problem might be handled by having a broad use of fractional FTE. I said that I prefer Alternative #1, but that this will have to be cleared through the Academic Senate and the Regents.

I talked with Ed Teller on a number of items; he consented to replace Otto Struve as Chairman of the Space Sciences Committee (Otto Struve's suggestion) when Struve leaves and he agrees that Iz Perlman would be a good Vice-Chairman. (Both appointments to be effective June 1, 1959.)

Ed told me that he has talked to Clark Kerr and written to him about his proposal for a new UC campus in the Livermore Valley, specializing in science and technology, and that he thinks Parks Air Force Base might be a possible site. He said he would be willing to associate himself with such a campus and I told him that in many ways this corresponds to my idea for a satellite campus for Berkeley, but that I would see a broader purpose for such a new campus than that suggested by him.

He told me that he has not yet called meetings of the Nuclear Engineering Committee and the Committee to Recommend a New Director for the Computing Center (of which he serves as Chairman) but that he will do so soon.

I mentioned to Don Cooksey the possibility of his playing some role in connection with the Lawrence Memorial Hall of Science after his retirement on July 1st.

I drove down to the campus, arriving just in time to attend and preside over the regular meeting of the Chancellor's Advisory Administrative Council (CAAC) in the Chancellor's Conference Room in Dwinelle Hall (Room 3335D). Present were CAAC members R. J. Bressler, M. Chernin, D. Coney, L. Constance, J. P. Danton, C. C. Gilliam, J. D. Hart, G. C. Kyte, E. M. McMillan, M. T. Morris, N. M. Mundell, M. P. O'Brien, W. L. Prosser, K. A. Ryerson, A. C. Sherriffs, T. B. Steel, M. A. Stewart, K. B. Stoddard, H. E. Stone, E. W. Strong, O. W. Wilson and W. W. Wurster as well as J. W. Cowee (for E. T. Grether), F. Tregea (for R. Kerley), J. A. Pask (Chairman, Division of Mineral Technology of the College of Engineering) and D. M. Brown (Chairman, Department of History).

I welcomed Professors Pask and Brown to the meeting, indicated that Clark Kerr has been informed of CAAC's concern over letters of appointment and changes of status, described the recent meeting of the Joint Advisory Committee to the Liaison Committee of the Board of Regents and the State Board of Education, and reported on the history of the negotiations on the State Department of Public Health Building. I also reported on the meeting yesterday with Harry Wellman and the statewide budget officers, at which it was concluded that Berkeley is to maintain its present workload and keep the student-faculty ratio substantially as at present, and shared with the members of the CAAC the list of priorities established for new and improved programs.

Cliff Dochterman of the U.C. Alumni Association showed the film, "Hail to California", gave us statistics on how this is shown in high schools by the Office of Relations with Schools, and received a number of comments on how the film might be improved.

I described the present status of the proposed national athletic conference and stressed that we won't go on with any negotiations without consulting with faculty, students and alumni.

Ray Bressler reported that the Connick Committee Report of 1956 on "Procedure on Non-Tenure Appointments" has been submitted to Kerr as approved by the Academic Senate, Northern Section, and that the Budget Committee is already following the spirit of the report to a considerable extent, e.g., in recognition of creative work. It was agreed that I should enquire of Kerr whether the Connick Report should now be acted upon and whether we can modify the instructions to review committees.

Lincoln Constance suggested that there be an annual meeting for department chairmen, at which I would tell chairmen what my view is of their role and I indicated that I would welcome this idea. This meeting lasted until 3 p.m.

After checking briefly in my Chancellor's Office for messages, memos, and so forth and signing some letters, I went almost immediately to the meeting of the Academic Advisory Committee, which started at 3:15 p.m., also in the Chancellor's Conference Room. Present were members R. G. Bressler, L. Constance, S. Elberg, W. E. Farnham, J. D. Hart, A. E. Hutson, C. W. Jones, M. Moonitz, M. A. Stewart, and E. W. Strong.

We reviewed and commented on discussions which took place at the 14th All-University Faculty Conference at Davis on April 2nd, 3rd and 4th.

After a discussion of nine- and 11-month faculty appointments, we agreed that a special study committee be charged with the responsibility of developing definite criteria for 11-month academic appointments, that the administration take appropriate action to implement the recommendations of this committee, and that the committee should include Alden Miller and Gorton Linsley as members. This meeting adjourned at 4:35 p.m.

I then went immediately to the meeting of the Committee on Campus Planning, which met at the north entrance of Sproul Hall for the first field trip item and then, in the Chancellor's Conference Room in Dwinelle Hall. Members present were Regent Donald McLaughlin (Chairman), Dean William Wurster and me, and also James Hart, Edward Strong, Sandy Elberg, Louis DeMonte, N. H. Dyer and A. R. Wagner (Secretary) and for the first item, Thomas Church and Alan E. Ribera, and for the third item and subsequently, Alton Wilson.

We assembled at the north entrance of Sproul Hall and toured the Sproul Hall-Hearst Gymnasium-Hearst Field area, inspecting and evaluating various sites for Barrows Hall (Business Administration-Social Sciences Building). Back in the Chancellor's Conference Room in Dwinelle Hall, we reviewed the relative advantages and disadvantages of locating Barrows Hall at the north end or the south end of Hearst Field and concluded that it should be located at the north end and in order to minimize the ground space, a higher building than visualized with some below-grade space will be necessary.

After approving the minutes of the last meeting of March 25th (Item 2), we discussed the site for the Services Building in the Lawrence Radiation Laboratory and the need there for an access road to the southwest area of the Chemistry Building addition. We also approved the location of a subterranean room within the Donner Laboratory for low background counting experiments. We approved a University Garage parking structure to be located at the southwest corner of Oxford and Addison Streets and agreed to examine the Long Range Development Plan with a view to bringing it up to date in time to present revisions to the Regents at their July meeting.

I briefed the Committee on the Gill Tract land use plan, the call for suggestions for possible uses of the Miller Estate in the Santa Cruz mountains and on the availability for purchase (a reported asking price of $700,000) of the Mira Vista Country Club property, located out Arlington Avenue in El Cerrito. The meeting adjourned at 7 p.m.

During the day I managed to sign a number of letters and memoranda. I wrote Regent Ed Pauley in response to his letter of April 2nd, urging him to come up

to speak to Phi Kappa Psi fraternity, even though they are under temporary suspension for violations of rules, saying that a talk by him would be inspirational for these young men.

I sent to Clark Kerr a copy of Kaufman's latest proposal to use radioactive tracer elements to follow groundwater in the Madera County irrigation canal, along with the letter signed by Hardin Jones and Nelson Garden commenting on the proposal and suggesting the establishment of a committee to formulate policy on these matters.

A letter went to Glenn Kendall (President of Chico State College) regretting his invitation to speak at the commencement exercises there.

I wrote to Everett Howe (Division of Mechanical Engineering) asking for a report on his sea water conversion research program at Richmond Field Station, along with a note to Leroy Bromley (Department of Chemical Engineering) asking him to give me a frank and strictly confidential report on Howe's program.

In reply to his letter of April 4th I wrote Ernest Besig (Executive Director of the American Civil Liberties Union) agreeing to a meeting of Alex Sherriffs and me with his Board of Directors and enclosing, at his request, a copy of President Sproul's statement of November 14, 1940 on "The Relations of Students to the University", which states,

> "No individual student or student organization can be granted the use of University facilities to carry on propaganda for or against a cause or movement, having no direct concern with the student affairs on campus."

I also approved Lincoln Constance's request that Henry Rosovsky serve on an 11-month basis as Vice Chairman of the Department of Economics during 1959-60.

A memorandum from Knowles Ryerson recommends that the name of the Berkeley Section of the Department of Food Technology be changed to "Department of Food Science and Technology" to conform to the name proposed for the combined departments.

I noted a memo from Jim Hart to Errol Mauchlan, pointing out that at Sotheby's in London next Tuesday, April 14th, there is to be offered a previously unknown autographed notebook kept by Mark Twain in 1892, which can probably be purchased for $2500, of which $2000 must come from one of our endowment funds and I approved using the James Sutton Fund for this purpose.

A memorandum from Harry Wellman in reply to my letter of March 23rd, approved the Berkeley campus use of rooms in California Hall made available by the impending move of the Statewide Administration to their new building on Oxford Street.

I noted an article in today's Daily Californian, "Off-Campus Political Activity Considered Legal for SLATE" (attached) claiming that an informal opinion from the Attorney General's office states that SLATE is not using the name of the University of California, and, thus, cannot be prohibited for that reason from engaging in off-campus political activity but states also that the University may prohibit use of its facilities at its own discretion.

I hurried home for a quick bite to eat, then returned with Helen to Strawberry Canyon Recreational Area to attend a reception given by the Sophomore Class.

Daily Californian

MONARCH OF THE COLLEGE DAILIES

Vol. 170 Berkeley, California, Wednesday, April 8, 1959 No. 40

Off-Campus Political Activity Considered Legal for Slate

By MARGARET WILSON

Slate, campus political party, cannot be prohibited from engaging in off-campus political activity, according to an informal opinion issued by the State Attorney General's office.

John A. O'Connell, assemblyman from San Francisco, obtained the informal opinion and relayed it by letter to Ernest Besig, executive director of the American Civil Liberties Union in San Francisco.

Controversy arose last month when H. E. Stone, Dean of Students, ruled that recognized student groups may not take positions with respect to off-campus issues.

SLATE REQUEST

Stone's decision originally resulted from a Slate request by Cindy Lembke, chairman, to hold a rally on campus during the noon hour last month for the purpose of supporting "Proposition C" which appeared on the Berkeley ballot in yesterday's municipal elections.

Basing his decision on Section 20220 of the California Education code, Stone cited the following excerpt:

20220. The name 'University of California' is the property of the State. No person shall without the permission of the Regents of the University of California use this name or any abbreviation of it or any name of which these words are in any of the following ways:

"(2) To display, advertise or announce this name publicly at or in connection with any meeting, assembly or demonstration or any propaganda, advertising or promotional activity of any kind which has for its purpose the support, endorsement, advancement, opposition or defeat of any strike, lockout, or boycott or any political, religious, sociological or economic movement, activity or program."

INFORMAL OPINION

The infromal opinion from the Attorney General's office in answer to Stone's decision makes the following two points:

"1) Slate is not using the name of the University of California and neither section 20220 of the Education Code nor the fact that the organization is recognized are sufficient to prohibit the organization from engaging in off-campus political activity.

"2) However, the University may prohibit the use of its facilities at its own discretion."

At present a request for a formal opinion from the Attorney General's Office has been made through Assemblyman O'Connell.

ACLU OFFICIALS

American Civil Liberties Union officials became interested in the problem and wrote a letter to Chancellor Glenn T. Seaborg requesting more information and explanation regarding the ruling last month.

At a meeting of the ACLU Board of Directors on April 2 a special committee was appointed to meet with Seaborg and the Board stated its policy in regard to the standing of recognized student groups.

'GRAVE CONCERN'

In 1951 the ACLU previously expressed its "grave concern over the censorship exercised by the University of the 'views and persons that may be heard' within its walls." In 1957, such censorship was substantially relaxed by changes in rule 17, however.

DC 4-29-59

Here we met and talked to George Link (President of the Sophomore Class) and many other sophomores and had an enjoyable evening.

Thursday, April 9, 1959

In response to a letter from Red Valens of April 1st and with the encouragement of Ted Sherburne (educational television coordinator on the Berkeley campus) I wrote to Robley Williams of the Biochemistry Virus Laboratory encouraging members of the Virus Laboratory to film a program series for educational TV on the nature of viruses, genes, cancer and life.

I replied to Bill Baker's cordial letter of April 3rd, expressing appreciation for his support of the proposed Inorganic Materials Laboratory being planned for the Berkeley campus.

I sent a memorandum to Clark Kerr, suggesting the policy of naming the residence halls after their donors or after men and women associated with the Berkeley campus who in some way have been deeply concerned with the welfare of students (for example, as Regents, deans or other administrators or distinguished teachers). I cautioned against frequently naming residence halls--or indeed any campus buildings--after living persons.

I wrote to Mrs. Thelma Wuorisala, a fellow Ishpemingite now living in Los Angeles, thanking her for her kind note on the occasion of my inauguration as Chancellor.

I sent to Bob Underhill (Vice President, Secretary and Treasurer of the Regents) a copy of an item from Chemical and Engineering News entitled "AEC Tracks Plutonium Accident", describing how Cecil W. Kelley, who received a fatal dose of radiation at the Los Alamos plutonium plant last New Year's, died through his own error, according to an investigation by the Atomic Energy Commission. He built up a critical mass of plutonium when he failed to observe safety procedures for transferring radioactive materials between processing tanks.

I wrote to Robert M. O'Day, appointing him as a member of the Men's Judicial Committee, replacing John M. Schaefer, who has become a member of the ASUC Executive Committee.

In letters with my concurrence, Sandy Elberg (Chairman of the BCD Committee) invites R. W. Jennings (Chairman), Milton Chernin, Louis DeMonte, G. Hearn, R. F. Kerley, A. R. Wagner (all continuing members) and Donald Foley to serve for the academic year 1959-60 on the Liaison Committee of the Buildings and Campus Development Committee; E. H. Burness, J. W. Hutchison, C. R. Routsong and R. L. Thornton to serve as members of the Space Needs Priorities Subcommittee; and C. L. Nordly (Chairman), E. H. Burness, L. A. De Monte, W. D. Gwinn, J. W. Hutchison, G. E. Troxell, A. R. Wagner and J. A. Zivnuska to serve as members of the Physical Development Planning Subcommittee.

I called Hunter Dupree (History) at his request. He told me that he has agreed to testify in Congress on the Hubert Humphrey bill proposing the creation of a Department of Science, using the AEC, NASA and NSF as the backbone of the new department. We agreed that we would oppose such a bill and discussed a counter suggestion, that is, the creation of a Joint Commission of Science and Technology, similar to the Joint Committee on Atomic

Energy. I said that I agree, in general, with Lloyd Berkner's article "Government Sponsorship of Scientific Research", appearing in the March issue of Science. I asked Anna Carol to notify James Corley, University Vice President of Business Affairs of Dupree's intention to testify before Congress.

I drove over to San Francisco to attend a luncheon hosted by Regent Donald McLaughlin at the Bohemian Club (624 Taylor Street) at which he introduced his son as one of the guests.

When I returned to my Chancellor's office, I met with David Munford (Inter-University Committee on Travel Grants) who has been on campus all day today to meet with a number of people under the aegis of Vice Chancellor Jim Hart. The meeting started at 3 p.m. and included Charles Jelavich (History) and Hart. We discussed the Lacy-Zaroubin agreement for the exchange of graduate and postgraduate students between the U.S. and the Soviet Union. I agreed to head a three-man committee, which will include Melvin Calvin, for screening applicants from the sciences for exchange under this agreement. Since Vice President Richard Nixon has been the prime agent in this program, I will make contact with him, if opportunity presents, in order to discuss in a general way the problems that academia finds with this exchange with the hope that when the time comes, Nixon would use his influence to get academic representation in implementation of the program.

I then walked up to International House to preside over a meeting of the Board of Directors of International House. Alex Sherriffs was elected to the Board. Allen Blaisdell (Director of International House and also serving as Foreign Student Advisor) submitted a list from which we might select additional new members from the Board. We decided to ask Blaisdell to serve part-time as International House Director and part-time as Foreign Student Advisor until his replacements for these positions are found. The Foreign Student Advisor will report in the future to the Dean of Students Office and we hope to have someone for this position, at least on an interim appointment basis, by July 1st.

Blaisdell is recommending that International House be predominantly for graduate students and I asked that a decision on this be postponed, saying that we need a long range plan for I-House, integrated with the rest of University housing. I suggested that we have an ad hoc committee in touch with I-House, probably with Blaisdell as a member, to work this out before the next Board meeting, which is scheduled for May 26th, and suggested the membership consist of Sherriffs, Blaisdell, Jim Hart, Adrian Kragen, Sandy Elberg, and Bill Shepard. Sherriffs later suggested the addition of Louis DeMonte.

It was decided that Stewart's committee for the choice of a director of I-House is to recommend an assistant director first, hopefully by July 1st, who would not necessarily become the director.

We also discussed policies of operation for I-House for the current summer (1959), room and board rates covering the same period, appropriations from the Reserve to cover costs of mechanical repairs and replacements.

During the day I read a memorandum from Bill Fretter saying that our Space Sciences proposal has been approved by all internal interested offices and committees and has been placed on the agenda for the April Regents Meeting.

I also read memoranda from Provost John Saunders and Director Roger Revelle, giving their thoughts on our report to the Regents concerning the recruitment of bright young men. Revelle suggests offering salaries up to $20,000 on a nine-month basis and providing for a substantial number of appointments to full professorships to men under thirty-six years of age.

A letter from Henry Nash Smith responds to my letter of March 19th addressed to Dean Constance concerning the desirability of enriching subject matter courses for high school and junior college teachers in summer sessions, saying that he agrees, but that an increase in budget is needed to allow for employing staff.

In the evening I went to a reception in the Nob Hill Room and dinner in the Gold Room of the Fairmont Hotel at the invitation of Governor Robert E. Smylie of Idaho, the opening of the Second Regional Workshop on Higher Education sponsored jointly by the Western Governors Conference, the Western Inter-State Commission for Higher Education and the Council of State Governments.

When I returned home, Helen told me that she attended a Board meeting at the McMillans' this morning, hosted a meeting of the Book Review Club here at home this afternoon, and took Pete to his dancing class this evening. This is the night that the "Pelican kids" appeared on Don Sherwood's TV program, Channel 2, at 8 p.m., in which Robert Irvine (editor of the Pelican) was interviewed on the subject of administrative censorship imposed by the Berkeley campus.

Friday, April 10, 1959

When I arrived at my Chancellor's Office this morning, I found three news items of interest. Two of these are in today's Daily Californian, one describing a poll of graduate students which indicates that their preference is for the establishment of a separate association to be administered and governed by graduate students, and the other entitled "Legal Opinions" assails Dean of Students Hurford Stone's ruling on the Proposition C rally, citing the Attorney General's Office's opinion that the law is not applicable in the case of the Proposition C rally.

The other is an article by Dave Toll in the April issue of the Pelican, which is in the form of a satirical letter from a demised University dean, describing how a University administration can operate in order to thwart the efforts of students to exercise free speech. The author hopes that modern administrators all over the nation will peruse his article and says, "...and if other administrators read the Pelican as avidly as ours have done lately (eh, Mr. Seaborg?), I am sure of success."

At 9 a.m. Jim Hart and I met with Sid Wallace (Sid's Stores) and Kenneth Warfield of the Berkeley United Crusade to discuss the Campus Crusade. It was agreed that I will send letters of support to the Chairman and Vice Chairman of the Campus Crusade and to each departmental representative and that a separate campaign with a separate quota will be set for the Lawrence Radiation Laboratory.

I then walked to Sproul Hall and went to the Regents Room to open with greetings a meeting of the Statewide Coordinating Committee on Building Priorities that is meeting on the campus today.

SAN FRANCISCO EXAMINER

April 9, 1959

'Telelecture' At OU Will Star Nobel Prize Winner

APR 9 1959

Nobel prize winner Glenn Seaborg will present a "telelecture," the first of its kind in the nation, April 23 at the University of Omaha.

The Chancellor of the University of California at Berkeley and director of the radiation laboratory, will speak on "Trans-uranium Elements" at 4 p. m. in the Gene Eppley Conference Center. The hour-long illustrated lecture by telephone will be followed by a question-answer period.

The telephone lecture from the California radiation lab is the first in the nation to be sponsored by a student group, according to the American Chemical Society national office.

Omaha Univerity's Student Affiliate of the American Chemical Society will be host to other University students, local high school science teachers and their outstanding students, faculty and students from University of Nebraska and Creighton University chemistry departments, and members of the Omaha Section of the American Chemical Society.

Dr. Seaborg received the Nobel Prize in Chemistry in 1951. Other honors include the Ericsson Gold Medal in 1948 and the Scott Award and Medal in 1953. He is co-discoverer of nine chemical elements: Plotonium, 1940; Americium and Curium, 1944; Berkelium, 1949; Californium, 1950; Einsteinium, 1952; Fermium, 1953; Mendelevium, 1955 and Number 102, not yet named, 1958.

His research is mainly in the field of nuclear chemistry and physics.

University chemistry department faculty: Dr. Rodney J. O'Conner, assistant professor who received his doctorate in 1958 from the University of California at Berkeley; Dr. D. N. Marquardt, department chairman and past president of the Omaha Section of the American Chemical Society; Dr. Walter Linstromberg, current secretary of the society, and Paul Stageman, former secretary of the society and active in the Junior Academy of Science.

When I returned to my office, I sent out a number of letters. One to Adrian Kragen (Chairman of the Student Housing Policy Committee) states that I have decided not to follow his recommendation that the University undertake the acquisition of Savo Island Village at this time.

Another, to Ralfe Miller (Chairman of the Fraternity Affairs Advisory Board) acknowledges receipt of the Board's report, "Program for Implementing the Inter-Fraternity Council Non-Discriminatory Policy". I say that I will forward their report to the Advisory Committee to the Chancellor on Discrimination to get their reaction.

In response to a letter from William Thomas of Lawrenceburg, Indiana, a member of the Berkeley Class of 1939, I thanked him for writing to describe his visit with his son (who received words of encouragement from Pete Newell to attend the NCAA Basketball Championship Tournament at Louisville last month).

I read a memorandum from Registrar Clinton C. Gilliam, asking if the compulsory student body fee for graduate students in the Fall Semester will be different from the $11.50 previously announced; he needs this information to appear in the registration material to be distributed beginning in May and thus, would like to have it by April 17th. I asked Alex Sherriffs to call him to tell him that we will not be able to give him this information by that time.

A memorandum from F. E. Tregea (Acting Assistant Business Manager) attaches correspondence from Administrator John Moore of Cowell Hospital, relating to the need for a decision on a special retirement annuity plan for certain members of the professional staff there.

A memorandum from Andreas Papandreou (Chairman of the Department of Economics) recommends that Visiting Associate Professor of Economics Earl Cheit be advanced to Step III of the associate professorship effective July 1, 1959. He has a three year assignment to supervise the completion of a research project under the auspices of the Institute of Industrial Relations, whose Director Art Ross is very much impressed by his progress.

A memorandum from Varden Fuller (Chairman of the Special Committee on Late Registration) reports on the work of the Committee and recommends that the Committee as presently constituted be continued for the year 1959-60. The present members are Fuller, Gilliam and Parsons.

At 11:30 a.m. I had an appointment with Messrs. Rabb, Dodds and Taylor, who represent the organization that is making a survey on University of California administrative problems. They wanted to know my reaction to my Chancellor's job, what I think my duties are, and how I expect to remain a scientist. I expressed my satisfaction with the degree of faculty self-government we have and told them where I think my power to overrule the faculty lies. I said that I will probably continue in this job as Chancellor only as long as I can keep some time for science. They were curious as to how I came to accept the job.

At 3:30 p.m. I had an appointment with Andreas Papandreou and Aaron Gordon to discuss the chairmanship and vice-chairmanship in the Department of Economics and their budget.

Tonight Helen and I played host to a dinner in our home in honor of Arthur and Betty Compton, who were our friends at the Metallurgical Laboratory in Chicago

during the war. Arthur served as Director of the Metallurgical project. Edward and Gertrude Strong joined us for the occasion.

Saturday, April 11, 1959

This morning I drove to San Francisco to attend the Regional Workshop of Higher Education at the Fairmont Hotel. During the morning I participated in a panel and discussion and then attended a luncheon in the Venetian Room at which Fred Michael Hechinger was the speaker.

In reading my mail this evening, I noted a letter from Sandy Elberg, written with my concurrence, appointing the following members to the Space Utilization Subcommittee of the BCD Committee: M. S. Beeler, Chairman, S. F. Cook, M. A. Milczewski, C. R. Routsong, and K. K. Bock.

A letter from Charles Smith (Dean of the School of Public Health) commends me on my letter of March 30th to Senator Hubert Humphrey and informed me that he has likewise been contacted by Senator Humphrey to give his reaction to the Humphrey proposal.

I also noted a letter from Arthur Ross (Director of the Institute of Industrial Relations) strongly supporting the recommended merit increase for Earl Cheit (Visiting Associate Professor of Economics) and recommending his promotion to Associate Research Economist Step III, for 1959-60.

Sunday, April 12, 1959

I spent the day at home with my family, worked on the preparation of my speech to Sigma Xi scheduled for UCLA next Thursday and on preparation for my attendance at the Regents Meeting in Los Angeles next Thursday and Friday. I also did some work preparing for my telephone talk to students at the University of Omaha scheduled for April 23rd.

Monday, April 13, 1959

When I arrived at my Chancellor's Office this morning, I first signed a number of letters. Included was a letter to George W. Truitt (President of the Berkeley Chamber of Commerce) in response to his letter to me of April 6th, in which he acknowledged receipt of a copy of our report, "The University and the City" and expressed understanding of the need for the University to acquire property which removes it from the tax rolls and an appreciation for the cultural benefits and prestige which the University of California brings to Berkeley. I thanked him for his enlightened attitude.

Another letter went to my wartime Metallurgical Laboratory colleague, Luther C. Peery (now at the Atomic Energy Commission's Savannah River Plant) thanking him for the preprint of his paper, "Design Versus Performance Process and Equipment in a Large-Scale Radiochemical Separations Plant" and also thanking him for his help with the historical material in my book, The Transuranium Elements, which was published by the Yale University Press last Fall.

I wrote to Adrian Kragen, reassuring him that the exploratory discussions we have had about the possible relocation of the State Department of Public

Health Building on part of the Gill Tract involved no land planned for married student housing. I asked that he reassure James C. Martin (Chairman of the University Village Association), who expressed concern about this in his letter to the "Icebox" in the Daily Californian of April 7th.

A memorandum went out to deans, department chairmen and administrative officers, notifying them that under the program of administrative decentralization, all salary and wage payments henceforth will be made under authorization of Chief Campus Officers by the Accounting Officers on the several campuses and that the Statewide Payroll Office has been discontinued.

I wrote William Albert Dillon, Jr., appointing him as a member of the Student Judicial Committee for the remainder of this academic year and for the academic year 1959-60; he is replacing Donald J. Miller, who is unable to continue membership.

Citing my concurrence, Sandy Elberg (Chairman of the BCD Committee) wrote to appoint members of the Barrows Hall Subcommittee- R. E. Powell (Chairman), C. Aikin, C. Glock, E. T. Grether, E. Huntington, and H. Worden. A similar letter went to J. F. King (Chairman), M. A. Milczewski, R. D. Miller, Joseph Penzien, John Tronoff, and F. E. Woodward, appointing them members of the Special Subcommittee on Parking Utilization.

At 10:30 a.m. I phoned Art Ross (Director of the Institute of Industrial Relations) to try to convince him to stay at Berkeley in the face of an attractive competing offer that he has received. I assured him that we would assign the Institute the space now occupied by Subject A and the Department of Economics on the second floor of Old California Hall, that I would ask Buildings and Grounds to redecorate this space, assured him of equal space in a centrally located area if and when California Hall is devoted to other purposes, and promised that a year from now reconsideration will be given to his request for an 11-month appointment with a stipend. I was pleased to learn that on the basis of these plans, he decided to reject the offer and remain with us at Berkeley.

From 10:30 a.m. to 11:30 a.m. I held my Student Office Hour. I was visited by Ray Utterback (who wanted to appeal his $10 fee for late registration and I said that I would support his appeal), Balfour Cassen (who wanted to appeal his $10 late registration fee and I referred it back for consideration by the relevant committee) who expressed his concern about the need for housing for married students and I reassured him that this has my complete support and who spoke in favor of a voluntary ASUC Association for Graduate Students.

I then drove up to the Radiation Laboratory to attend the regular Monday luncheon meeting of Nuclear Chemistry Division staff in Perlman's office. Today this was attended by Ben Mottelson, the eminent nuclear physicist from Copenhagen who is spending the Spring Semester with us at the Radiation Laboratory on a sabbatical leave and whom we are trying to convince to join our Radiation Laboratory staff and to accept an appointment as a Professor of Physics on the campus. After the luncheon meeting I met with him in Perlman's office from 1:20 p.m. until 2 p.m. in an effort to get him to accept our offer. I described to him the meeting of the Council of Associate Directors on Wednesday mornings and its role in the operation of the Radiation Laboratory and I also described the general operation of the University, including the appointment procedure that he would go through. I made an offer of a salary of $10,344 for the nine-month academic year, which would be

augmented by an additional one-third, giving a total of about $14,000 for the 12-month year, and added that we would probably pay the moving expenses for his family. He said that if he accepted our offer, he would want to go back to Copenhagen on schedule this summer and spend at least the following semester to meet previous commitments. I asked if there were anything in the offer or set-up that we could improve and he did not seem to be able to think of anything. He said that he would let us know his decision before he leaves to go back to Copenhagen this summer. (I left a note for Iz Perlman saying that if he wants to increase the offer, he should start the mechanism for doing this.)

I noted a memorandum from Radiation Laboratory Director Edwin M. McMillan, listing the Associate Directors of the Lawrence Radiation Laboratory- Luis W. Alvarez, Donald Cooksey, John H. Lawrence, Isadore Perlman, Glenn T. Seaborg, Edward Teller and Robert L. Thornton.

I drove back down to the campus, spent some time in my Chancellor's Office, then went to Wheeler Hall Auditorium to attend the meeting of the faculty Representative Assembly, starting at 3:10 p.m. Among the items discussed was William W. Wurster's proposal for a College of Environmental Design. In the course of his presentation, Wurster indicated that the proposal has the backing of the Association of the Collegiate Schools of Architecture and he said that other departments, such as Decorative Art or Industrial Design, could become a part of the College if this should ever be thought desirable.

After dinner Helen and I accompanied Pete to a meeting of his Boy Scout troop at Stanley School and Lynne, Dave, Steve and Eric also went along. Helen told me that she went in to University House to meet with the decorator, Beth Armstrong, this morning. This old house, where President Sproul and his family used to live on the campus, is rapidly being refurbished and redecorated to make it suitable as a place for Helen and me, and for President and Mrs. Kerr, to entertain our guests at lunch and dinner and to host meetings. She told me that she also had an early afternoon appointment with her dentist, Dr. Jensen, in Berkeley.

Tuesday, April 14, 1959

This morning in my Chancellor's Office, and during the course of the day, I signed a number of letters. One went to the Vice President Richard Nixon informing him that I will be in Washington the week of April 27th and suggesting that we might get together for lunch at that time.

Another letter went to California Governor Pat Brown as a follow-up to our conversation concerning educational television in California. I mentioned that I am a member of the Board of Directors of the National Educational Television and Radio Center at Ann Arbor, Michigan, and a member of the Advisory Committee on New Educational Media under Title VII of the National Defense Education Act and thus, have seen how rapidly this important new educational medium has progressed in many parts of our nation. I deplore the relatively slow progress in California and suggest the creation of a state educational television commission, or its equivalent, which might oversee the linking of colleges together via TV for instructional purposes, help establish an educational television station in Los Angeles, encourage closed circuit television for instruction of new teachers and the enrichment of public school education through TV programs directed at elementary and high school children.

I sent a memorandum to Tom Cunningham, with a carbon copy to Kerr, stating that President Kerr and I desire to restore a "free speech" area at the corner of Bancroft and Telegraph Avenues, where any speaker who could obtain a permit from the City of Berkeley might address students while standing on City, not University, property. This would enable the tradition long practiced at Sather Gate, but which disappeared when this block of Telegraph Avenue was ceded to the University by the City to enable the construction of the Student Center, to be continued. I solicit Cunningham's advice on how to proceed in working this out with the City of Berkeley. I hope to get some results from this memorandum because I believe that this is a problem of great importance and if it is not solved in some such manner I foresee great difficulties in the future with students on the Berkeley campus.

Indicating my concurrence, Sandy Elberg sent a memorandum appointing members of the Committee on Joint Facilities in Area "A"- E. Loran (Chairman), Donald Coney, W. D. Denny, T. J. Kent, T. D. McCown, R. J. Tetlow, and W. S. Wellington.

Because I am serving as Chairman of the National Academy of Science's Barnard Committee, which has the responsibility for selecting the recipient of the 1960 Barnard Medal, I wrote to the members of the Committee, asking them to send in to me their nominations- I. I. Rabi, A. N. Richards, V. M. Slipher, and John G. Kirkwood.

I wrote to Austin MacCormick, reappointing him Vice Chairman of the Department of Criminology for the academic year 1959-60, and to Frederick Tyler, reappointing him Vice Chairman of the Department of Education for the academic year 1959-60.

I also wrote to Personnel Officer Lewis Perry, recommending that Dan Wilkes (Science Writer V and Assistant to the Chancellor) be given an increase in salary of 5% to $11,500 effective March 1, 1959.

Another memorandum went to Harry Wellman, asking him to increase the statewide priority for the construction of the Biochemistry Building Step I and the replacement of the Agriculture Greenhouses in the 1960-61 program.

I wrote Robert F. Mulvaney to say that I am pleased to learn from Cannon Lorrimer of my election to Associate Membership in the Claremont Country Club.

I phoned State Assemblyman Don Mulford to try to placate him concerning the University's possible acquisition of the Public Health Building in Berkeley. I explained that taking over this building is not particularly our choice--that we would be happy to have an especially designed building of our own instead--but that if it were a matter of saving state money, we would be willing to go along. He suggested that we go slow on this, that the building has deficiencies much more serious than anyone would tell us. He called my attention to the Labor Union bill, AB 419, which might have implications for the University of California. (I made a note that I would like to get a copy of this bill from Jim Corley.)

At 11:30 a.m. I had an appointment with Alden Miller (Director of Museum of Vertebrate Zoology) who told me about the Hastings Natural History Reservation, situated thirty miles up the Carmel Valley from Monterey, supported by the wealthy San Franciscan, Mrs. Russell P. (Frances) Hastings.

She has made buildings and land (1600 acres) available to the Museum of Vertebrate Zoology for research on animals and apparently intends to give the University of California the property in her will, along with operating funds. John Davis is in charge of the reservation as Alden Miller's deputy on the grounds. Miller would like to have me visit the reservation in order to encourage Mrs. Hastings' interest in continuing with this project.

I left my Chancellor's Office at a little before noon to walk to Eshleman Court to serve as a judge for a cow-milking contest involving ASUC President Bill Stricklin and another student named Evarts.

I then returned to Dwinelle Hall and went to the Chancellor's Conference Room to preside over the regular brown bag luncheon meeting of my cabinet for which Chernin, Fretter, Malloy, Mauchlan, Sherriffs, Strong and Wilkes were present. I told the group that I have now heard from all the members of the Committee on Bright Young Scientists--Revelle, Saunders, Knudsen, Dodd--and that Bill Fretter has synthesized their recommendations into one document (attached), which should form the basis of my report to the Regents on this subject.

The recommendations include the suggestions that our recruiting procedures should be more systematic and started much earlier in the scientist's career; that the CCO should be given adequate authority to insure flexibility of procedures; that the Regents should recognize the need for accelerated promotion, high salary and rank in certain fields; and that they should authorize special research funds to be made available to appointees to aid in starting research. I will attempt to set up a meeting of the ad hoc committee at the Regents Meeting in Los Angeles at the end of this week.

I told the group that two items are to be discussed at the next AAC meeting: 1) the idea of classifying postdoctoral fellows as a special kind of student in order to get workload credit for professors, and 2) a proposed draft to the President to be taken up with the Regents, complaining about the policy that the Berkeley campus continues without improvement while other campuses catch up, resulting in an overall decrease in the rating of the University.

It was agreed that the need for the present Advisory Committee to the Registrar should be re-evaluated and a decision on whether to abolish it made in the near future.

I described the items that are on the agenda for the CCCO meeting in Los Angeles tomorrow. I also mentioned some items on the agenda for the Regents Meeting Thursday and Friday in Los Angeles: for the Committee on Educational Policy, the proposal for an Institute for African Studies for Los Angeles with some involvement for Berkeley and for a Space Sciences Laboratory at Berkeley; for the Committee on Grounds and Buildings, the matter of the Berkeley campus acquiring the State Department of Public Health Building and the naming of the track oval after Walter Christie; and for the Committee on Finance, the matter of non-academic personnel policy.

Sherriffs told us that 1400 graduate students (out of a total of 5400) have indicated that they want to disassociate from the ASUC, bringing up the problem of what to do about a substitute association.

Mauchlan told us that our application to NDEA for a Language Laboratory is going very well.

GTS:

Re: Bright Young Men

This report is in three parts: first, my own reactions to the letters submitted and to the problem, second, a synthesis of the letters, and third, a possible course of action.

The letters have many points in common and contain good suggestions on procedure. They do not, it seems to me, really go to the heart of the problem, which is the identification of superior individuals at the earliest possible stage in their development.

Any one in 1958 or 1959 can identify Gell-Mann or Lee or Yang as bright young men. If we have to hire them at this stage, we must compete, offering high rank and salary and do all the things specified in the letters to obtain and retain their services to the University. Possibly we should go after some of these established bright young men, but I should think that for us here at Berkeley this is not generally necessary. For Revelle, it probably is -- he needs to establish a young and vigorous group of well-known men to act as an attracting force to build up his school. The other small campuses should also go after some men of this type to build up their staff. Maybe even UCLA should do this. Least of all - Berkeley. Thus I suggest that the policy on BYM should be quite different on different campuses, reflecting the different needs of each campus.

At Berkeley, and to a large extent at UCLA, the emphasis should be on identification of BYM at a very early stage, and bringing them here to do their best work while they are at Berkeley. We already do this, of course, and have some excellent young men. But we are not consistent. I will speak now from my experience in physics, where BYM are so important. In 1947-48, Professor Jenkins was sent on a nationwide recruiting trip to find people in solid-state physics. He was outstandingly successful, bringing in such men as Knight, Nierenberg, Kittel, Jeffries, and Kip, who have formed the nucleus of what is now one of the strongest solid-state groups in the world. Some of these men were graduate students at the time. Jenkins found them by talking to senior professors in schools all over the nation, and brought them here to do some

of their best work. Since that time, our recruiting in physics has not been systematic. We have attracted more into the solid-state group because of its distinction, and in other areas have also progressed by individual personal contacts. Now it is getting much more difficult, and we are not doing well in getting outstanding young people. We are conservative, and insist that a man be out several years, have lots of papers to his credit before we will even consider him. By the time we get them, they are pretty aged young men.

Maybe other departments are different. Nevertheless, I suggest that the following plan might work. One (or two) individuals in each department be given the responsibility for recruiting. Such a person would make at least one nationwide trip each year, stopping at all major institutions producing Ph.D's in the field. He would talk to all professors directing graduate students, prepare a list of promising ones, even at early stages of research. He would follow their progress, match them against each other, talk to them personally, and be ready to make firm recommendations when they might be available for a job. Such a recruiter would be welcomed on campus when he is recruiting graduate students, and he should not raid the existing faculties. Otherwise he would not be welcomed at all. Now this would involve quite a lot of work for the recruiters, and appropriate adjustments in other departmental assignments should be made. Obviously, adequate travel and incidental expense funds would have to be made available to the recruiter, probably in the regular department budget.

Once the prospective appointee is identified, the procedures outlined in the other letters are appropriate. Early commitment of positions should be possible. Much weight should be given in review procedures to the opinion of the recruiter, who would be in an excellent position to compare and evaluate.

And once the man is appointed, he would be nurtured and advanced as appropriate. To ensure diligence in the various departments, perhaps you could require a report each year from each department on their recruiting activities, with lists of candidates considered, comparative ratings and results.

I think this procedure would be valuable for physics, which is a comparatively strong department. It would be even more valuable for weak departments. If you noticed, for example, that a given department was not actively searching for the best people, or having searched, was not attracting them, corrective measures could be taken. Perhaps these reports could be made to the respective deans instead of to you directly.

Recruiting is entirely too haphazard now. We face the need for 50% more faculty in the next few years, 100% more in physics and chemistry and mathematics. We can't just sit here in our ivory tower and hope for good bright people to appear on our doorstep. We have to go out for them, and <u>if we do so intelligently, we will solve both our general recruiting problem and the BYM situation at the same time</u>.

<u>Synthesis of Revelle - Saunders - Knudsen - Dodd</u>. (This portion to be dittoed for tomorrow's Cabinet meeting, as you suggested).

1. Initial recruitment.

It is the responsibility of the faculty and administration to find and attract able young scholars from all parts of the nation and the world. In order to do this, adequate travel funds should be made available to recruiters, and faculty members attending scholarly conferences should bear in mind the recruiting problem. Rosters of promising individuals should be maintained. Responsibility for recruiting should be campus-wide and not just confined to the departments. Funds should be made available to bring candidates to the campus to meet members of the department and give talks. More visiting appointments should be made to permit mutual evaluation of department and candidate.

2. Inducements.

Salary for outstanding men should be commensurate with ability, and a flexible policy of meeting salary competition should be established. In certain areas, over-scale salaries might be necessary and appropriate. Flexibility in salary also implies flexibility in rank, if general salary scales are to be maintained. Accelerated

promotion for outstanding performance is also an inducement. Various "package deals" should be available, such as simultaneous appointment of others in an area of research, and part-time appointments on existing research contracts. Summer pay of 1/3 the nine-month salary should be permitted.

3. Procedures.

Commitment of a position must be possible early in the academic year, particularly in the special cases of outstanding candidates. The appointment committee system needs revision. It is cumbersome and acts too slowly. Mediocre departments tend to seek out mediocrities. Outsiders should sometimes be used on appointment committees. The general mechanisms of appointment should be made more flexible. In the case of a limited number of appointments each year, a fund should be set up to assure commitment of appointment at any necessary time throughout the academic year so that firm offers can be made at early contact. Available positions should not be filled with mediocre individuals just because no outstanding person is available at a given time.

(End of Synthesis)

POSSIBLE ACTION TO BE RECOMMENDED TO THE REGENTS: (Do you wish this portion discussed in Cabinet also?)

1. Recognition of different needs on the several campuses, and hence the policies and procedures need not be uniform.

2. CCO on each campus to develop policies and procedures on recruiting, recognizing that the problem of bright young men is inseparable from the general problem of recruitment.

3. Departments to develop formal recruitment procedures, reporting annually to Dean or CCO.

4. Regents to authorize regular assignment of adequate funds to departments to be used in recruiting programs.

5. CCO to be given adequate authority to ensure flexibility of procedures.

6. Regents to authorize funds to be expended by CCO, or department, to bring promising candidates to the campus.

7. Regents to authorize special research funds to be made available to new appointees to aid in starting research, as inducement to prospective appointee.

8. Recognition by Regents of need for accelerated promotion, high salary and rank, in certain fields.

WBF

pk

Ed Strong told us that he will be on sabbatical leave during the Spring Semester of 1960 and summarized his talks with Arthur Compton about the possibilities of Arthur coming with us on the Berkeley campus to work on a project on the impact of science on man.

Garff Wilson came in to see me at 2:30 p.m. to discuss a number of forthcoming public ceremonies, including the University Meeting at which the Indian Ambassador will speak and which will be held under the auspices of the University rather than the ASUC, and the plans for the commencement exercises to be held in June.

I met with Lincoln Constance from 3 p.m. until 4 p.m., my regular meeting to go over with him questions and problems in the College of Letters & Science. We discussed G. M. Foster's (Anthropology Department) protest at the prospect of Dr. George Pettitt being given space, even temporarily, in the new Art-Anthropology Building (Kroeber Hall); I told Constance to assure Foster that Pettitt will not be given space there.

Constance informed me that the Decorative Art Department wants to upgrade a provision for an Assistant Professor Step I to Step III to accommodate Peter Voulkas (ceramicist), which led us to discuss the unsettled question of the Department's role in the University and we agreed that they should be given careful consideration soon by the AAC. However, in the meanwhile, we believe that the Voulkas case should go to review by the regular committee process.

He told me about his discussion with Howel Williams of the Paleontology Department and in view of this, we decided to do nothing about the chairmanship of the Department for 1959-60 until there has been some discussion at the AAC.

He told me that the Physical Education Department wants to upgrade a provision for Instructor to Assistant Professor I to accommodate the appointment of Helen Clark; we agreed to let the Department submit the nomination to review. (I learned later that Dr. Clark has accepted an appointment elsewhere.)

Among my incoming correspondence I noted a letter from Hubert H. Humphrey (Chairman of the Subcommittee on Reorganization and International Organizations of the U.S. Senate Committee on Government Organizations) expressing appreciation for my response to his inquiry, saying "Yours is precisely the kind of helpful analysis which we had anticipated receiving from a Nobel Laureate" and asking if he might be permitted to quote from my comments. He also noted that his subcommittee is going to publish a discussion on important world challenges of research into ionizing radiation and asked for my comments. I immediately replied, saying that he may feel free to quote from my letter and saying that I will give some thought to the matter of research into ionizing radiation. However, in thinking about Humphrey's query, I must say that I don't understand what he has in mind and I shall probably not try to reply on this matter.

A letter also arrived from Senator Thomas C. Hennings, Jr. (Chairman of the Subcommittee on Constitutional Rights of the U.S. Senate Committee on the Judiciary) in response to my answer to his letter concerning freedom of information and scientific progress. He thanked me for my letter and said that he hopes that he may publish it; I immediately replied that I have no objection to his making the contents of my letter public.

I was glad to see a letter from Harvey White, accepting my appointment of him as Vice Chairman of the Department of Physics for the academic year 1959-60, and saying that he is looking forward to returning to Berkeley. I am glad to learn that he is returning and think that he might be the ideal person to serve as Director of the Lawrence Memorial Hall of Science.

A letter from Delmer Brown (Chairman of the Department of History) says that his colleagues support my favorable view of educational television for classroom use, but expresses the hope that great care will be taken to be certain instruction does not thus become less personal; I marked this for consideration by our Committee on Educational Television.

A memorandum from Bill Fretter informs me that Lionel Viales phoned to report on his eastern trip, during which he learned that Rowan Gaither of the Ford Foundation is enthusiastic about the Lawrence Memorial project and suggested that we interest the Russians in the project. Viales talked to Isidor Rabi about this while he was in New York and Rabi suggested that we might contact USSR Academician Nesmeyanov (President of the Soviet Academy of Sciences) and also Academician Oparin of the Soviet Academy.

A couple of memoranda from Allen Blaisdell (Director of International House and Foreign Student Advisor) speak to the beginning of Alex Sherriffs' term as a member of the Board of Directors of I-House and submits his (Blaisdell's) resignation as Foreign Student Advisor as of July 1, 1959. He prefers to continue the responsibility of Foreign Student Officer of the University on a part-time basis. This is part of our interim plan to move the function of the Foreign Student Advisor to the Office of the Dean of Students, giving Allen Blaisdell a role to play during the interim.

My U.S. patent for "Solvent Extraction Process for Plutonium" was issued today.

This evening Helen and I attended the International Dinner of the University Branch of the Young Women's Christian Association (2600 Bancroft Way) at which I was the scheduled speaker. My speech was preceded by a few words of welcome by the student President of the YWCA Chapter, Ann Gibson, and then by the Advisory Board Chairman, Mrs. John G. Hatfield, who introduced me. I spoke on the topic, "The Nuclear Age", giving a brief historical background of the birth of the age through the discovery of the nuclear fission reaction, describing some of the possibilities for the peaceful uses of atomic energy and describing the need for international control of nuclear weapons in order to avoid nuclear war. My talk was followed by a brief period of questions and answers. Among the hostesses at the dinner were Carol Geren (Chairman, International Dinner Committee) and Mrs. Gerhard (Coralee) Mueller (Program Director of the University YWCA).

Helen told me that she attended a meeting of the Board of Directors of the University YWCA at their building this morning and in the afternoon, from 3 p.m. until 5 p.m., attended an informal tea at the Sibleys' home while Estelle Brown served as babysitter for us in Lafayette.

At a little after 8:30 p.m. I was picked up at the University YWCA House by a University driver and driven to the San Francisco Airport, where I boarded United Airlines Flight #678, which left at about 9:30 p.m. and arrived at the Los Angeles Airport at 11:11 p.m. I then took a taxi to Westwood Manor Hotel (10527 Wilshire Boulevard, West Los Angeles), where I am staying during the Regents Meetings in Los Angeles.

Wednesday, April 15, 1959- Los Angeles

Beginning at 10 a.m. in Room 2213 of the Administration Building on the UCLA campus, I attended the meeting of the Council of Chief Campus Officers (CCCO) presided over by Clark Kerr. A number of items of interest to the Berkeley campus were discussed. Kerr said that the Space Sciences Laboratory will go to Berkeley and the African Studies Institute will be at UCLA. As a result of this, Acting UCLA Chancellor Vern Knudsen and I agreed, and made strong representations, that each campus must be allowed some freedom of going into the field of the other, due to the extreme importance of Space Science and International Studies in today's world. However, only the UCLA proposal can go to the Ford Foundation. This leads me to think that there might be another proposal for a comparable institute (for example, a large Asian Studies Institute) which might originate from and consequently have the institute at Berkeley.

With respect to relations with the state colleges, Kerr said that the University position will be to oppose the state colleges giving any doctoral degrees, although it may be necessary for the University to give a non-research doctoral degree to meet the demand for college teachers. All replies of people whose advice was asked on this have been in disagreement with the draft of a proposal by Malcolm Love--that the state colleges be allowed to give doctoral degrees. Replies from the Educational Policy Committees at Berkeley, Davis and UCLA, as well as separate letters from a number of people, including Professors Mackinney, Morrey, Jones, and Hart, oppose this. The decision announced by Kerr is in accord with all of the advice that I have been getting from the committees and individual faculty members at Berkeley.

Kerr reported that our budget and legislative relations with Sacramento seem to be better. With respect to the transfer of authority to the individual campuses for the appointment of administrative officers, we were told that there will be no change in the status of the controllers until the University gets a Vice President for Finance and that acting deans will be appointed by the CCO. The campus Business Manager will still be appointed by the President or maybe even the Regents. The appointment of non-faculty research personnel should be removed from the authority of the graduate dean and handled by the CCO, who should also set up machinery for review of research contracts, now managed by the graduate dean. Teaching assistants and research assistants are to be appointed by department chairmen after certification by the Graduate Division, but exemption from non-resident fees for these still remains with the graduate dean.

There was general agreement with the suggested revisions in the policy statement regarding University participation in ICA and other foreign service contracts. I warned about the extreme importance of the wording of re-appointment or appointment letters, as they concern the impact on the tenure question, basing my views on a memorandum on this that was prepared for me by Jim Hart.

We had lunch in the Faculty Center before the meeting of the Joint Advisory Committee of the Liaison Committee on Higher Education of the University and State Colleges. At lunch Glenn Dumke (President of San Francisco State College) asked me to send him a list of recently-retired faculty people, some

of whom might be eligible to teach at San Francisco State, where the retirement age (70) is later than ours.

I attended the meeting of the Joint Advisory Committee in the Faculty Center from 1 p.m. until 4 p.m., followed by a joint meeting of the University of California Regents and State Board of Education.

I then went to the home of Edwin and Bobbe Pauley (9521 Sunset Boulevard, Beverly Hills) to attend a dinner honoring the recently-appointed new members of the Board of Regents, Governor Pat Brown, Lieutenant Governor Glenn Anderson, Speaker of the State Assembly Ralph Brown, and John S. Watson (President of the State Board of Agriculture).

Regent Catherine Hearst told me that she has already raised $7,000 of the money needed to put on the opera "Aida" in the Berkeley Greek Theatre this fall.

I also had a discussion with Bert Levitt (State Finance Officer) and told him about our negotiations concerning the acquisition of the State Department of Public Health Building; he expressed the opinion that the best solution is for them to move to the Gill Tract, with Berkeley taking over their present building.

Ed Pauley urged me to send copies of my book Elements of the Universe to Dorothy Donahoe (State Assemblywoman and Chairman of the Committee on Education) and also to Bert and Thelma Levitt.

When I returned to my room in the Westwood Manor, I called Helen who told me she attended a luncheon for College Tea officials given by Kay Kerr at the Kerr residence.

Thursday, April 16, 1959- Los Angeles

I attended an Executive Committee meeting of the Intercollegiate Athletic Advisory Council (IAAC) in the Faculty Club. We mainly discussed football scheduling problems.

Frank Kidner told me that Ken Stampp and other faculty members have expressed the desire to have an Academic Senate Committee on Athletics advisory to the Chancellor, which could be initiated by someone like Stampp with or without my concurrence, or I could make the suggestion at a meeting of the Berkeley Division of the Academic Senate (the next meeting is scheduled for May 4th). I said that I will consider this carefully and let Frank know my decision.

At 10 a.m. I attended a meeting of the Regents Committee on Educational Policy in Room 2121 Administration Building. Present were Committee members Regents Carter, Boyd, Hansen, Hearst, Simpson, Steinhart, Vaughn, McLaughlin and Kerr, and also Regents Canaday, Hagar, and Olson, plus Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Business Affairs Corley, Vice President-Executive Assistant McCaffrey, Dean Aldrich, Chancellors Freeborn, Spieth, and I, Provost Saunders, Director Revelle, Acting Chancellor Knudsen, Vice Chancellors Noble and Young, Acting Dean-University Extension Kaplan, Assistant Vice President Oswald, Professors Kidner and Sherwood, Andrew J. Hamilton of the Office of Public Information and Mrs. Elizabeth O. Hansen.

Kerr recommended that a Space Sciences Laboratory, to be supported by the National Aeronautics and Space Administration (NASA), be approved for the Berkeley campus with the understanding that he will appoint a statewide committee to survey the total University facilities in the field of Space Sciences and their distribution and to consider their use by faculty on each of the campuses.

In support of this recommendation, I distributed our Berkeley report to the members present, outlining the history of the proposal and the type of experiments it is proposed be performed in the Laboratory and our proposal to rent space in space vehicles and place in them instruments with which to conduct experiments. I suggested that we would ask NASA for $250,000 for support in 1959-60 and $500,000 for the following year, and that the campus would budget $25,000 for support the first year. Ed Carter suggested that our request be increased to $500,000 for the first year's support.

Roger Revelle indicated that a laboratory at Berkeley would not be of much help to staff at the Scripps Institution of Oceanography and said he hoped the proposal, if approved, would not preclude the establishment of a similar laboratory at Scripps. Kerr said that this had been discussed at a recent meeting of the Chief Campus Officers and they concurred that a laboratory such as the one proposed at Berkeley would not prevent faculty members throughout the University from having an opportunity to undertake research in which they are interested and qualified. Vern Knudsen and John Saunders endorsed Kerr's recommendation. Following additional discussion and a motion by Jesse Steinhart, seconded by Don McLaughlin, the Committee voted to recommend to the Regents approval of the proposed Space Sciences Laboratory on the Berkeley campus, as recommended by the President.

The Regents also approved a Center for African Studies on the UCLA campus and a statewide committee to study the project and work out participation of other campuses. A proposal for support of this will go forward to the Ford Foundation, but Knudsen, in response to a query from me, agreed that the UCLA people will confer with the Berkeley people regarding the budget for this before this request goes to the Ford Foundation. I will have Tom Blaisdell or Paul Taylor (or whoever the proper person is) get in touch with the proper UCLA people for the purpose of this consultation.

John Saunders pointed out to me that early considerations had suggested having a Public Health school at the San Francisco Medical Center and he thinks that there is logic in having it there now and that we should take this into consideration if we make any move or need space at Berkeley for other purposes. He said that he has discussed this with Dean Charles Smith. I believe this would be something that would need to be discussed by the Academic Senate Committee on Educational Policy.

I handed Kerr a copy of the memorandum of April 7th that Charles Kittel (Physics) has written to Carl Helmholz (Chairman of Physics). This notes the large salaries (in the range $16,000-$17,000) that Roger Revelle is offering to eminent solid state physicists like Walter Kohn, J. M. Luttinger, Bernd T. Matthias, and George Feher (Bell Labs). If he succeeds in obtaining such distinguished people, it will be the best solid state group in the University and the country and Kittel says that he is amazed that Kerr approves of such a policy of offering high salaries to people who are extraordinary research men but have no teaching experience. Kittel points out that this is happening in

the same university that cut off two of the junior appointments in the Berkeley Physics Department this year in the face of a very high student-faculty ratio.

After lunch at the Faculty Club in the Faculty Center, I attended the meeting of the Regents Committee on Grounds and Buildings in Room 2121 of the Administration Building, starting at 2 p.m. Present were Regent Committee members Steinhart, Boyd, Carter, Hearst, Merchant, Pauley, Storke, McLaughlin and Kerr, as well as Regents Hagar, Olson, Sullivan, Vaughn and Watson, and in addition, essentially the same people as were present at the meeting of the Regents Committee on Educational Policy this morning.

I reported on the Berkeley campus explorations with officials of the State Department of Public Health concerning the possibility of exchanging some seven or eight acres of land in the Gill Tract in Albany for the State Department of Public Health Building just west of Oxford Street in Berkeley for use by the University. I said that if the University acquires the building, activities would be moved into it for which $7 million worth of projects are planned in the Long-Range Building Program for the Berkeley campus.

I advised the Regents that an unpleasant aspect of this possible exchange involves an agreement between the University and the City of Berkeley that the University would not expand west of Oxford Street into the Shattuck Avenue business district. I noted that there has been some unfavorable publicity concerning this matter, but that I think that the citizens of Berkeley are beginning to understand that this is an extraordinary situation. Don McLaughlin was in favor of exploring the matter further and Ed Carter thinks aggressive efforts to acquire the building should be made. This led to the Committee approval of my report and agreement that the situation should be explored further.

At 3 p.m. I called my office in Berkeley and talked to Kitty Malloy. I told her that the Regents Committee on Educational Policy has approved the Space Sciences Laboratory and that Carter wants to increase the request from $250,000 to $500,000, which means that we may want to up our contribution for equipment from $25,000 to $50,000, and I asked her to ask Bill Fretter to start working on this revised request to NASA immediately. Kitty told me that a man in his middle 60's named Richard Saphir jumped off the Campanile at 10:47 a.m. this morning. This was the first suicide from the Campanile to anyone's knowledge.

At 4 p.m. in Room 147, Business Administration-Economics Building, introduced by UCLA Acting Chancellor Vern Knudsen, I gave my talk on "Recent Research on the Trans-Uranium Elements" to the UCLA Chapter of the Society of the Sigma Xi. The meeting was presided over by Frederick C. Leonard (President of the UCLA Chapter). Illustrating with 35 lantern slides (3 1/4" x 4"), I gave a description of the discovery of all the known trans-uranium elements with emphasis on proposed future research, including plans for trying to go beyond the heaviest known element, the element with atomic number 102, to try to produce an isotope of element 103 (e.g. 103^{256}) that might be produced by bombarding Cm^{246} with N^{14} ions in the Berkeley HILAC.

Following my lecture I had dinner at the Faculty Club with a number of the Sigma Xi people.

Friday, April 17, 1959- Los Angeles

At 9:30 a.m. I attended a meeting of the Regents Committee on Finance in the Administration Building. Present were: Regent Committee members Pauley, Hagar, Boyd, Carter, Mosher, Steinhart, McLaughlin and Kerr and also Regents Anderson, Canaday, Hearst, Haggerty, Merchant, Olson, Storke, Sullivan, Vaughn and Watson, as well as Underhill, Cunningham, Wellman, Corley, McCaffrey, Kettler, Chancellors Freeborn and Spieth, Acting Chancellor Knudsen, Vice Chancellor Noble, Associate Secretary Woolman, Dean Kaplan, Engineer Weaver, Assistant Vice Presidents Miller and Oswald.

The Committee recommended that $2,000 be appropriated from the Regents Provision for Contingencies to finance the printing and mailing of a booklet, produced by the University Press, of the memorial tribute that Clark Kerr paid to Ernest O. Lawrence at his funeral in Berkeley. Pauley suggested that mention might be made in the booklet of the Regents' intention to construct a Lawrence Memorial Hall. Kerr reported that State Director of Finance Levitt has agreed that for three years the $2 million from the Atomic Energy Commission (the so-called "overhead money") may be set aside for the Ernest O. Lawrence Memorial Hall. Thereafter, Levitt will take the position that there should be a return to the present arrangement, under which one-half of the management fee goes into the operating budget and the other one-half for self-liquidating projects. The Committee gave Kerr the authority to write a letter to Levitt, setting forth the Regents' agreement with the above proposal, to start in 1960-61. Kerr said that he told Levitt that the Regents are not happy with the present disposition of the overhead funds, but that they will argue that point after the expiration of the three-year period.

After lunch in the Faculty Center, I attended a meeting of the full Board of Regents starting at 2 p.m. in the Administration Building. Present were Regents Anderson, Boyd, Canaday, Carter, Hagar, Haggerty, Hansen, Hearst, Kerr, McLaughlin, Merchant, Mosher, Olson, Pauley, Simpson, Steinhart, Storke, Sullivan, Vaughn, and Watson (a total of twenty), plus Underhill, Cunningham, Wellman, Corley, Stull, McCaffrey, Kettler, Chancellor Freeborn, Vice Chancellor Noble, Acting Chancellor Knudsen, Associate Secretary Woolman, Engineer Weaver, Assistant Vice Presidents Miller and Oswald and Professor Kidner. Chairman Donald McLaughlin presided.

The Regents approved the solicitation of a contract with NASA in an amount not to exceed $500,000 for one year of support of a Space Sciences Laboratory at Berkeley. They determined that, upon execution of the above contract, up to $50,000 will be allocated from the unexpended income of the Russell S. Springer Memorial Foundation in 1959-60 and other sources to be designated by Clark Kerr for the purchase of equipment for the Space Sciences Laboratory.

They also approved the solicitation of a grant-in-aid of $664,250 from the Ford Foundation, effective July 1, 1959, for a period of five years to support the development of an African Studies Center at UCLA.

A report was presented by the Joint Office of Institutional Research of the American Association of Land-Grant Colleges and Universities, augmented by further research by University staff, regarding Nobel laureates. This revealed that seven out of the 18 who earned degrees from state universities and land-grant institutions earned degrees at the University of California-

Ralph Bunche (A.B. 1927), Joseph Erlanger (B.S. 1895), William Giauque (B.S. 1920, Ph.D. 1922), Willis Lamb (B.S. 1934, Ph.D. 1938), Glenn T. Seaborg (A.B. 1934, Ph.D. 1937), Harold Urey (Ph.D. 1923), Selman Waksman (Ph.D. 1918). Of the 30 Nobel Prize winners teaching in American colleges and universities, six are teaching at the University of California- William Giauque (1949), Edwin McMillan (1951), John Northrop (1946), Glenn Seaborg (1951), Wendell Stanley (1946) and Harold Urey (1934), all six of whom received Nobel Prizes in Chemistry.

The Regents also gave approval for our going to the U.S. Embassy in Rome with a request for the application of 40.6 million lire from the Lire Fund to supplement the grants of the Ford Foundation and the University of Bologna; this is a project coordinated by Charles Aikin (Political Science) and we will now write a letter to Ambassador Zellerbach in Rome, making this request.

When I returned to my room in the Westwood Manor after dinner, I called Helen. She told me that she attended a Girl Scout meeting at Maggie Linders' in the morning yesterday and took Pete to Dr. Betaque for a teeth-cleaning session yesterday afternoon. This morning she had coffee at Margie Alexander's, then had lunch at the Bloxhams'. She took Pete for a check-up with our pediatrician, Dr. Percy Jennings this afternoon.

Saturday, April 18, 1959- Los Angeles

Today I attended an all-day meeting of the Intercollegiate Athletic Advisory Council (IAAC), followed by cocktails at the home of UCLA Professor Foster Sherwood (1570 San Pemo Drive). The meeting was held in the Regents Room of the Administration Building and was attended by IAAC members Thomas J. Cunningham (Chairman), Vice Chancellor William G. Young (UCLA), Faculty Athletic Representative Bradford Booth (UCLA), Athletic Director Wilbur C. Johns (UCLA), me, Faculty Athletic Representative Frank Kidner (UCB) and Athletic Director Gregory F. Engelhard (UCB). We spent most of the time discussing the scheduling of football games with institutions of comparable academic standing with that of the University of California. We agreed that since UCLA has already scheduled games with North Carolina State for both the 1959 and the 1960 seasons and Berkeley has scheduled the University of Oregon for the same seasons, that, even though neither is on the approved list, for practical reasons, these institutions should be approved also for the 1962 season.

We agreed on the following institutions, subject to a home and home game limitation, effective at the close of the 1960 football season, to be added to the approved list: University of Maryland, Kansas State College, University of Florida, North Carolina State College, Florida State College, Austin University, Fresno State College, San Francisco State College, San Diego State College, San Jose State College and University of Oregon.

Sunday, April 19, 1959- Los Angeles- Washington, D.C.

Today is my 47th birthday. I took a taxi to the Los Angeles Airport, where I boarded American Airlines Flight #712, which left at about 10 a.m. and arrived at the National Airport in Washington, D.C., at about 8 p.m. I then took a taxi to the Statler Hilton Hotel (16th Street at K Street), where I checked in and where I will stay during my stay in Washington, D.C.

Monday, April 20, 1959

I walked to the nearby Executive Office Building, where I went to Room 275 to attend, beginning at 9 a.m., a special security briefing for new members of the President's Science Advisory Committee, arranged by F. G. Naughten (Security Officer of the Office of the Special Assistant to the President for Science and Technology).

I then went to Room 220 to attend the opening session, beginning at 9:30 a.m., of the two day meeting of the President's Science Advisory Committee. We first met in executive session, in which Herb York (Director of Defense Research and Engineering) briefed us on problems of military organization and planning for research and development, a session that lasted about two hours.

This was followed by a report by George Kistiakowsky on a recent field trip taken by his Missiles Panel and the conclusions based on this trip.

Following this, Dr. Watters and James M. Mitchell of the PSAC staff summarized the results of a preliminary look at the expanding activities in the space and missiles fields as they relate to national ranges.

During lunch in the Executive Office Building I had a talk with Alan Waterman (Director of the National Science Foundation and a member of PSAC). I told him about the conversation that Ed Strong and I have had with Arthur Compton regarding plans for a study of the impact of science on man and he told me that this year's budget of NSF for social sciences is $2 million and it will go up next year, but they only support basic research.

We convened after lunch at about 2:30 p.m. Jerome Wiesner summarized the results of a working group meeting on the subject of the changing character of warning and the nature of response to warning and Paul Weiss gave a report on the conclusions of the Ad Hoc Panel on Biological Warfare and Chemical Warfare.

During the meeting, in a conversation with Detlev Bronk, I told him about my conversation with David Munford and the plans we are working out regarding exchanges with the Soviet Union and added that Munford may get in touch with him in this connection. Bronk seemed to be sympathetic toward our efforts.

Back at the Statler Hotel I saw a piece in today's New York Times under the headline "Soviet is Silent on Science Plans- U. S. Academy Gets No Reply on Exchange Program- Officials Baffled". The story describes how Detlev Bronk (President of the U.S. National Academy of Sciences) went to Moscow last fall to confer with Aleksandr Nesmeyanov (President of the Soviet Academy of Sciences) and reached an agreement on the proposed field of research that should be covered by exchanges. The plans called for more than 100 Soviet scientists to come to the United States for periods up to a year to deliver lectures, participate in seminars, and engage in research; a similar number of American scientists would go to the Soviet Union, but the plans have become stalled by an unexplained delay by the Soviet Academy of Sciences.

Tuesday, April 21, 1959

I again walked to the nearby Executive Office Building to attend in Room 220 the continuing meeting of PSAC. Before the meeting began, a little after 9 a.m., I talked with General Alfred Starbird (Director of the Division of Military Applications at the AEC) about the status of the heavy isotope production program. He said to call on him for help if we ever need it and I said we will if we develop any crucial bottleneck concerning this program in his area of responsibility.

The morning session began with a briefing by Starbird and F. Shelton (Armed Forces Special Weapons Project, AFSWP) on the status of nuclear weapons testing planning, in the event of the resumption of the testing of nuclear weapons. This was followed by a discussion of the pros and cons of an agreement with the Soviet Union banning the testing of nuclear weapons.

Then we heard a report by Herbert Scoville of the Central Intelligence Agency (CIA) on what they have learned about activities in the nuclear weapons field in the Soviet Union.

Following this, we heard a report by Governor L. Hough and G. Gallager on the present status of planning for civil defense in the event of a nuclear attack.

During a break in the meeting I talked with Bill Baker to let him know that I appreciated his letter regarding the planned Inorganic Materials Laboratory at Berkeley. He said that he anticipates no difficulty regarding financial support and that our proposal for support should go to John Williams in his capacity as the head of a panel evaluating research programs in materials research. He asked if I would serve as a consultant to Bell Laboratories on their nuclear program, saying that my Ph.D. students now working at Bell Laboratories, Paul Donovan and Walter Gibson, have asked that I be approached. I indicated some reluctance due to my tight schedule, but I have the impression that he will raise the question again this summer.

I also talked to Hugh Dryden (Deputy Administrator, NASA) and told him that we are about ready to send in a proposal to NASA for support of our Space Sciences Laboratory to the extent of $250,000 to $500,000 for the year 1960-61. He implied that we would not have any trouble getting this and that they plan their budget in three year cycles and thus, we might include mention of second and third year budgets. I raised the question of money for buildings and he said that they are working on this possibility but it presents difficulties.

We decided on the following dates for meetings of PSAC for the remainder of the year: May 18-19, June 16-17, July 20-21, no August meeting, September 14-15, October 19-20, November 9-10, December 14-15. These dates are usually the third Monday and Tuesday of the month.

I had to leave immediately after lunch in order to take a taxi to the Washington National Airport, thus, missing a short afternoon session at which Jim Killian made a report on the Federal Council for Science and Technology, a group of science representatives of various departments of government that has just been formed.

At the airport I boarded TWA Flight #53, which left at about 3 p.m. and arrived at San Francisco Airport at about 9:40 p.m. I was met by a University

driver and driven to my Lafayette home.

When I arrived home, Helen told me that she had a rather busy day today. In the morning she went with Eric and his playschool group to the park, then had lunch at the home of Mrs. Tom Steele (our neighbor at the end of Monticello Road) and in the afternoon went to a meeting of the Parents Club at Happy Valley School.

Wednesday, April 22, 1959

I drove first to the Radiation Laboratory to attend the meeting of the Associate Directors and then immediately after this, to my Chancellor's Office in Dwinelle Hall. After going over a number of items with Anna Carol and Kitty and planning my day, I signed a number of letters that had been prepared during my absence.

Spurred on by an article in the Berkeley Gazette on Monday in which State Assemblyman Don Mulford was critical of the Berkeley campus' negotiations regarding the State Health Department building at Shattuck and Hearst Avenues, I wrote Mulford and described the circumstances that led us to explore the possibility of saving the State some money by occupying this building. In respect to expansion of the Berkeley campus, I stated that we are following the development plan worked out with the City of Berkeley with only four modifications, as follows: 1) acquisition of property at Haste and Atherton for the Child Study Center Project, 2) acquisition of Newman Hall property at La Loma and Ridge Road, 3) acquisition of the Farm Bureau building east of Oxford, and 4) in exchange for property lost in widening Hearst Avenue, the City accepted the University's acquisition of the remainder of Lot #2202 at Highland and Hearst.

I wrote Frank Beach to inform him of the membership of the Advisory Committee of the Institute of Human Development, as follows: Reinhard Bendix (Chairman), himself, Kingsley Davis, Vera Frye, Margaret Gordon, Robert E. Harris, Henry Maas, Daniel Mazia, Paul H. Mussen, Nello Pace, Edward S. Rogers, George H. Schade and Alexander Simon. I wrote a similar letter to each of the members of the Advisory Committee.

I also signed letters to the following, appointing them as members of an Advisory Committee on the Operation of the Strawberry Canyon Recreational Facilities as a Subcommittee of the Administrative Committee on Buildings and Campus Development: Carl L. Nordly (Chairman), E. H. Burness, L. A. DeMonte, Jack Kemper, R. F. Kerley, and Thomas Yokie.

I signed letters to a number of students congratulating them on their outstanding record of scholarship: Stuart Gould, Clifford Schultz, Ronald Rott, Jon G. Warren, Ray Hertel, Pat Newell, Steve Monti, Jerry Siebert, John Harrison, Gerald Lundgren, James Demsey, Robert Odermatt, Gerald Lanier, John Christensen, Don Potter, Gordon Van Kessel, Franklin Fitz, Roger Gregg, Elmore Chilton, William Albert, Warren Widener, Robert Verhoogen, Robert Well, David Alvarez, and Charles Orman.

A letter went to the Honorable William S. B. Lacy (Special Assistant to the Secretary of State) expressing pleasure with the results of the January 27, 1958 agreement by which eight Soviet students are this year at the University of California at Berkeley and two University of California students are

pursuing their studies in Russia and expressing interest in the possibility of establishing a bi-lateral exchange of faculty and persons with postdoctoral status between the University of California, Berkeley, and one of the Soviet universities, probably Moscow, and the Soviet Academy of Sciences.

A memorandum went to Francis Violich, asking him to continue to serve as Chairman of the Department of City and Regional Planning for the academic year 1959-60.

I also wrote to James C. Martin (Chairman of the University Village Association) in response to his letter of March 27th, regarding the use of land at the Gill Tract, assuring him that as much land as possible at the Gill Tract will be retained for married student housing, consistent with the needs of land there for use by the College of Agriculture.

I wrote to Arthur Ross as a follow-up to the promises I made in order to keep him at Berkeley, stating that the Institute of Industrial Relations will be given space on the second floor of Old California Hall as soon as a number of moves have been made involving our acquisition of space in Sproul Hall as a result of the move of the Statewide Administration to the new Statewide Building.

At noon I walked to the Faculty Club to attend a joint luncheon with the members of the Men's and Women's Executive Boards in Room A. This offered an excellent opportunity to get acquainted or to get better acquainted with a number of the key student leaders on the campus.

I returned to my Dwinelle Hall office in time to keep my appointment with A. D. Alexandrov (Rector of Leningrad University) who had just returned from the Faculty Club lunch with Jim Hart (who arranged it), Boris Bresler, Melvin Calvin, Leon Henkin, Charles Jelavich, Morris Stewart, Francis Whitfield and Frantisek Wolf. Hart joined me in this appointment and we discussed our hopes and plans to negotiate exchange agreements between faculty at the University of California, Berkeley, and Soviet universities. Alexandrov will give a lecture in his field of mathematics and have dinner with some Department of Mathematics faculty this evening and tomorrow he will meet the Russian students at International House.

At 2:20 p.m. I had an appointment with Kenneth Pitzer, along with Sandy Elberg, to consider the problem of a new building for Melvin Calvin. I agreed to press the National Science Foundation application for construction funds for the building and to raise the BCD priority on the basis of the released space in Chemistry Unit #1.

At 3 p.m. Carl Helmholz (Chairman of the Department of Physics) came in for his appointment. The subject was our attempt to interest Ben Mottelson in accepting an appointment in the Physics Department here. E. Lee Kinsey (Chairman of the Physics Department at UCLA) is interested in Mottelson and wants to make an offer, as does Roger Revelle at La Jolla (who plans to go all-out). Helmholz would like to keep the offer to Mottelson at the Professor II level (for the first year at least) but would be willing to go to the Professor III level. I told Helmholz we will fight to get Mottelson. This is certainly something that I will want to discuss with Clark Kerr during my appointment with him on Friday morning.

At 3:15 p.m. I went to the Chancellor's Conference Room to attend and preside over a meeting of the Academic Advisory Committee (AAC). Present were members R. G. Bressler, L. Constance, S. Elberg, W. E. Farnham, J. D. Hart, A. E. Hutson, C. W. Jones, F. L. Kidner, M. Moonitz, M. A. Stewart, and E. W. Strong. We discussed the impact of postdoctoral fellows on faculty workload and the need to receive credit for this (information on the number of postdoctoral fellows will be received in connection with a planned BCD questionnaire on research space), the question of statewide budgetary policy in regard to equalizing faculty-student ratios at Berkeley and Los Angeles (a memorandum on this will be sent to Clark Kerr), the relationship of the Museum of Paleontology to the Department of Paleontology (it was agreed that consideration of this matter should be resumed at the meeting of the AAC on May 20th, when Professors Alden Miller, Howel Williams and S. F. Cook should be in attendance). The meeting adjourned at 4:35 p.m.

Anna Carol showed me copies of today's Berkeley Gazette and Oakland Tribune, which carry stories about my "telly lecture" to University and high school students at the University of Omaha, which I will deliver by telephone from the Lawrence Radiation Laboratory tomorrow afternoon.

After spending a few minutes in my office, I drove home. During dinner Helen told me about some of her activities today. This morning she had coffee at our neighbors, the Lovelaces, and this afternoon had an appointment at Kaiser Hospital in Walnut Creek for a check up on her pregnancy, which is proceeding normally.

During the evening in the study I tackled my stack of papers accumulated during my absence. In Anna Carol's folder I found an amusing letter from Lucille Kohatsu (Secretary of the Hawaiian Club of the University of California) addressed to Chancellor Glenn Seaborg and inviting me and Mrs. Kerr to the club's first luau on April 18th at Haas Clubhouse, Strawberry Canyon. This is not the first time there has been a mix-up between the presidency and the chancellorship and I have on occasion facetiously claimed that I am sometimes referred to as "Clark Seaborg". I appended a note to Anna Carol, stating that I hope that she has told Mrs. Kerr that this invitation was regretted for her and me.

Another item in Anna Carol's folder is a memo which expresses the fervent hope that the University of California will not be affiliated with an athletic conference that includes such institutions as Army, Navy, Air Force and Notre Dame and requests that the subject of athletic policy be placed on the agenda of the next meeting of the Academic Senate. This memorandum was signed by Kenneth M. Stampp, Charles G. Sellers, Delmer M. Brown, Henry F. May, Leslie Lipson, Henry Nash Smith and A. Hunter Dupree, with carbon copies to President Clark Kerr and faculty representative Frank Kidner.

Also included were the minutes of the meeting of the Intercollegiate Athletic Advisory Board on Monday evening, attended by Chairman Bill Keeler, faculty representatives Carl Nordly and Hurford Stone, alumnus Bennie Lom, and students Chiappone, Gregg and King, along with guests Frank Kidner, Greg Engelhard, Bud Hastings, W. H. Davis and Douglas Gordon. Note was taken of the three successive basketball championships in the Pacific Coast Conference, climaxed this year by a national championship, the fact that the University rugby team has concluded its season without a single loss, and that the University rifle team has completed its third undefeated season and achieved a record-breaking score in one of its matches.

Another memo in Anna Carol's folder informs me that some students are hopeful of getting Fidel Castro to Berkeley to speak as an extension of his itinerary that takes him as far west as St. Louis. She has checked with Clark Kerr and he has no objection but will not be available to see him. Arleigh Williams is supporting the students' request. Anna Carol indicates that she has expressed the opinion that I would have no objection. It appears that he would come when I will be out of town and I appended a note to Anna Carol, saying that if he does come, we should arrange to have him greeted by a representative on my behalf.

In Kitty Malloy's folder I noted a memorandum from Sandy Elberg, stating that the Subcommittee on the Naming of Buildings has informed him that it wishes to reaffirm its earlier nomination of the name "Walter Morris Hart" for the building now referred to as "Old California Hall" and that the parent Committee on Buildings and Campus Development concurs.

I noted a number of memoranda sent in the name of Sandy Elberg (Chairman of the BCD Committee) and me, appointing a number of committees: Harold Weaver (Chairman), Milton Chernin, O. W. Wilson, Gordon Hearn, Paul Kirk, Donald Tocher and Mrs. Helen Worden to the Haviland Hall Subcommittee; W. B. Fretter (Chairman), A. C. Helmholz, W. A. Nierenberg, M. Tinkham and H. E. White to the Physics Building Subcommittee; B. D. Tebbens (Chairman), J. M. Bierman, K. B. DeOme, Louise Eastland and J. Yerushalmy to the Earl Warren Hall Space Subcommittee; Garff B. Wilson (Chairman), J. T. Berdahl, E. H. Burness, Mrs. Betty Connors, Mrs. Peg Davies, N. L. Jensen, H. Lovett and M. Rosenberg to the Greek Theatre Space Subcommittee; and J. R. Moore (Chairman), Henry B. Bruyn, Ruth Cooper, Charles B. Hudson and Alice S. Wohletz to the Cowell Hospital Space Subcommittee.

We sent letters of appreciation to the members of two committees that have completed their work: E. C. Stone, J. W. Oswald and A. Ulrich of the Special Subcommittee on Relocation of Agricultural Greenhouses; and C. L. Nordly, Milton Chernin, Mrs. E. T. Grether, Walter Haas, Jr., Mrs. Morris Stewart, Arleigh Williams and Thomas Yukie of the Special Committee on Strawberry Canyon.

A memorandum from Mike O'Brien recommends that Leonard J. Black (Electrical Engineering) be appointed as Assistant Dean for Graduate Study in the College of Engineering to replace Boris Bresler, who has asked to be relieved of this administrative post.

A memorandum from Dean Hurford Stone recommends the appointment of Dean William Shepard as Chairman of the Committee on Student Conduct for 1958-59, that Dr. Gertrude Mitchell replace Dr. Zeff in view of her (Dr. Zeff's) new role as Assistant Director of the Student Health Service, and that the other members of the committee be reappointed.

Austin MacCormick (Criminology) recommends reappointment of Sarah M. Hallam and Earl R. Parker as members of the Parking Appeals Committee and indicates that he will be willing to continue to serve as Chairman.

A memorandum from Harry Wellman informs us that the President's Office will move from Sproul Hall to the new administration building on Oxford Street about mid-June and, therefore, space for campus units in Sproul Hall will be available from that time on.

Another memorandum from Wellman approves the increase of academic staff in the Department of Philosophy by 0.5 FTE, but says that this must be accomplished by transfer within the amounts already budgeted for such staff in the College of Letters & Science rather than by outright augmentation.

Bill Fretter's folder includes a memorandum from Walter Knight (Physics) in response to my note to him of March 26th about the University science courses which are directed toward non-science students. He called my attention to an article on this matter written by Gerald Holton, published in The American Journal of Physics, 25 417-432 (1957). I made a note to Fretter, saying that what I have in mind is a more general course for non-scientists, ideally to be developed under a proposal supported by the National Science Foundation.

A memo from Ed Teller (Director of the Lawrence Radiation Laboratory, Livermore) informs us that Kenneth Street (Deputy Director of Lawrence Radiation Laboratory, Livermore) has decided to return to research through a professorial position at Berkeley and thus, he is appointing Harold Brown to succeed him as Deputy Director. He adds that John Foster will be Associate Director for Nuclear Devices and Weapons; Gerald Johnson, Associate Director for Testing and Peaceful Applications of Nuclear Explosions; Ted Merkle, Associate Director for the Pluto Project; Chester Van Atta, Associate Director for Project Sherwood; and Duane Sewell, Associate Director for Support. He noted that all changes will be effective as of May 15, 1959.

A detailed memorandum from Everett D. Howe (Mechanical Engineering) in response to my request of April 8th, describes in detail his sea water conversion program. A note from Leroy Bromley (Chemical Engineering) addresses the same subject as a result of my request to him, and refers to a conversation he had with Bill Fretter on April 13th, which Fretter summarizes indicating that the program of the Howe group includes competent engineers with good development techniques but does not include ideas on basic new processes and is not very imaginative. All of this is in connection with a request from Kerr, who inquired about this sea water conversion program.

Another note from Fretter tells me that Ted Sherburne called with the news that eight one-half hour films for educational television will be made for KQED in the Virus Laboratory supported by the Michigan TV Center to the extent of $75,000, with Wendell Stanley and Robley Williams backing the film, and that a one-hour film on fusion power at a cost of $10,000 will be done in cooperation with the Lawrence Livermore Laboratory. This is good news, indeed, for I want to expand the uses of educational television and the involvement of the Berkeley campus in this.

Jim Hart's folder contains a note saying that Charles Jelavich suggests that we send a note to Ambassador Lacy, reiterating our interest in exchanges with the Soviet Union.

A note from Harry Wellman, addressed to me, Chancellor Allen, Chancellor Freeborn, Chancellor Spieth, Provost Saunders, Director Revelle and Director Whitford, relates to a change in the bio-bibliographical surveys in the Office of the President, saying that effective July 1, 1959 the typing of library cards for each publication listed by faculty members on the annual supplement to bio-bibliography form will be discontinued, and that the chief campus officers should develop procedures to assume this service.

Alex Sherriffs' folder contains a memorandum from Dean Hurford Stone, recommending that Donald Noyce (Chemistry) be appointed Chairman of the Special Committee on Student Orientation and Counselling Program for 1959-60 to replace Dean William Shepard, who wishes to be relieved, and that W. D. Knight (Physics) and Lenni Kangas (Assistant to the Dean of Students) be added to the committee.

Arleigh Williams (Director of Student Activities) wrote to express thanks on behalf of the Associated Students of the University of California for my "very generous contribution which enabled us to send our Straw Hat Band, the Pompon girls, a yell leader and an 'Oskie' to the NCAA tournament in Louisville, Kentucky."

In Ed Strong's folder there is a copy of a letter that went out under my name on April 15th to a large number of presidents and chancellors of colleges and universities in California and throughout the country, calling attention to a program now being formulated at the UCB which would permit interested universities and colleges to strengthen and expand their own curriculum in subjects dealing with the Slavic and East European countries by participating in a year's program designed for faculty members who were not trained as Slavic specialists but who are now teaching courses dealing with the Slavic world. It is suggested that the responses be directed to Charles Jelavich (Chairman of the Center for Slavic Studies here), who will be in charge of the program.

Milt Chernin's folder contains a reply from Colonel J. T. Malloy (ROTC) stating that he sees no problem with making the rifle range available for weekend use by Assemblyman Don Mulford's son.

Thursday, April 23, 1959

I drove to Dwinelle Hall and went to my Chancellor's Office, where I signed a number of letters. I wrote T. Keith Glennan (Administrator, National Aeronautics and Space Administration, in Washington, D.C.) enclosing a copy of our proposal to establish a Space Sciences Laboratory on the Berkeley campus of the University of California. and indicating that I hope to discuss this with him when I see him in Washington next week. This proposal calls for a grant of $500,000 from NASA and support of $50,000 from the University. I also sent a memorandum to Clark Kerr, attaching a copy of the proposal, indicating that $25,000 of the $50,000 from the University has been allocated from the Springer Fund and requesting that he forward the proposal as soon as possible to NASA, attention: Mr. Lloyd A. Wood, Chief of the University Research Program. This will be the official submission, in addition to my more informal submission to Administrator Keith Glennan.

There is also statewide interest in Space Sciences and in this connection, I sent a memorandum to Jack Oswald (Assistant Vice President) suggesting members who might serve on a statewide committee to survey the total University facilities in the field of Space Sciences. For this committee I suggested as members, Edward Teller, Isadore Perlman, Robert B. Brode and William B. Fretter.

I wrote letters appointing members to a Committee to Consider the Desirability of Establishing a Field Station for Behavioral Research on the Berkeley Campus to Frank Beach (Chairman), Alden H. Miller, A. Starker Leopold, Nello Pace and

Sherwood Washburn. This is a follow-up to the initiative that has been taken by Frank Beach and his request to me to initiate action toward establishment of such a field station.

I noted a letter from Ian P. Watt, mailed from England where he is on sabbatical leave, stating that he is unable to accept my reappointment of him as Vice Chairman of the Department of English for imperative personal reasons. Therefore, on the recommendation of Dean Lincoln Constance and English Department Chairman Henry Nash Smith, I wrote to John H. Raleigh, appointing him as Vice Chairman of the Department of English.

I wrote to Edward Teller at the LRL, Livermore, asking him, in his role as a member of the Statewide Advisory Committee on Sea Water Conversion, to advise me confidentially of his views on the Berkeley program for sea water conversion and to make any recommendations that he might have concerning the program in the future.

In reply to her letter of April 13th, I wrote to Margarette S. Miller (National Bellamy Award, Portsmouth, Virginia) accepting her invitation to attend the ceremony of presentation of the Bellamy Flag Award to Berkeley High School to be held on the morning of October 12th.

Torbjorn Sikkeland, who is working with Albert Ghiorso very effectively at our Heavy Ion Linear Accelerator (HILAC) at the Radiation Laboratory, must now return to his native Norway for a two-year period, unless a waiver can be obtained. Ghiorso and I are very anxious to have this brilliant scientist continue at the Rad Lab, but the prospects for obtaining a waiver are rather dim. Today I sent a letter to Gunnar Randers (Director of the Joint Establishment for Nuclear Energy Research, Sikkeland's place of previous employment in Norway) describing the situation and asking whether there are any procedures in Norway that we may investigate in order to shorten or eliminate this two-year delay.

I read a rather disturbing memorandum from Mike O'Brien of the College of Engineering, informing me that he is actively negotiating with two outstanding candidates for appointment to the Nuclear Engineering faculty, either of whom would be qualified for the chairmanship. This unilateral action is a cause for concern because we have a committee working on this problem; I asked that Ken Pitzer and Edward Teller be informed of this development immediately.

At a little before noon I walked to International House, where I met Helen, who joined in me in my role as host for the luncheon in honor of the German Ambassador to the United States, Dr. Wilhelm Grewe. The lunch was attended by Mrs. Grewe, German Consul General in the United States Guenther Kempff and Mr. Draege (Assistant to the Ambassador), and the following members of our faculty (in most cases accompanied by their wives): Charles Aikin (Chairman of the Department of Political Science), Werner T. Angress (History), Alan Barth (Political Science), Thomas Blaisdell (Political Science), Lincoln Constance (Dean, Letters & Science), Ernst Fraenkel (Political Science), Ernst Haas (Political Science), Vice Chancellor James Hart, Carl Landauer (Economics), George Lenczowski (Political Science), C. Grant Loomis (German), Paul Seabury (Political Science), Vice Chancellor Alex Sherriffs, Morris A. Stewart (Dean, Graduate Division), Vice Chancellor Edward Strong, Paul S. Taylor (Economics and Institute of International Studies), Walter A. Friedlander (Social Welfare), Charles A. Gulick (Economics), Frederic Lilge (School of Education), Andreas G. Papandreou (Economics) and Leo Lowenthal (Sociology). I made some

welcoming remarks at the luncheon.

After lunch, Helen drove Mrs. Grewe on a sightseeing tour of the campus and Berkeley. Charles Aikin took the Ambassador and his party to Alumni House for informal conversation with faculty members, which was followed by the Ambassador meeting with members of the Graduate Association in Political Science (which Oscar Pemantle serves as Chairman).

After the luncheon I drove immediately to the Lawrence Radiation Laboratory, where, beginning at 2 p.m., I gave an hour-long telephone lecture to the Student Affiliates of the American Chemical Society (and other university students, local high school science teachers and their outstanding students, faculty and students of the University of Nebraska and Creighton University chemistry departments and members of the Omaha section of the American Chemical Society) assembled in the Eppley Conference Center at the University of Omaha.

In this "telly lecture" I spoke on the "Transuranium Elements", illustrated by slides which I had sent to the people at the University of Nebraska and which were shown as I gave my talk. I began by describing the actinide concept and, with the use of the Periodic Table, showed their position in the Periodic Table. I then described recent work on the elements americium and curium, berkelium and californium, and einsteinium and fermium. This was followed by a rather complete description of the discovery of mendelevium on a "one atom at a time" basis. I then described the false discovery of element 102 in Sweden and the actual discovery of this element here in Berkeley last year. I made some predictions concerning the nuclear properties and methods of production of new elements beyond element 102, including a description of predicted chemical properties of elements all the way up to element 110. With the use of the Periodic Table, I emphasized that evidence for the discovery of a new element should include a reasonable establishment of the atomic number and this requires more than the observation of predicted decay properties and yields. The talk was followed by a question and answer period.

After my talk I spent some time on the Hill, talking with Iz Perlman and my graduate students Glen Gordon, Vic Viola and Marshall Blann. Following this I drove down to the campus and went to my Chancellor's Office in Dwinelle Hall.

Here I noted a letter from Glenn S. Dumke (President, San Francisco State College) supporting the application of Alan Johnson (Associate Dean of Students at San Francisco State College) for the position as Dean of Men at UCB.

A memo from Nello Pace (Physiology) informs me that Hugh Loweth (Budget Examiner for the U.S. Bureau of Budget concerned with the funding of the National Science Foundation) will visit Berkeley on May 6th. John T. Wilson (Assistant Director for Biological and Medical Sciences in the National Science Foundation), who informed Pace of this, said that Loweth is particularly interested in the concept of the Environmental Physiology Laboratory and the facility proposed for Melvin Calvin at Berkeley. It is obviously important that I see Loweth and I immediately arranged with Anna Carol to set an appointment with him for May 6th.

A memorandum from Jim Hart encloses a copy of a letter from Charles R. Keller (Director of the John Hay Fellows Program, which supports high school teachers in the study of the humanities). Keller requests the opportunity to send a

group of 12-15 John Hay fellows to Berkeley, but adds that these would come from states other than California. Hart advises accepting this offer and I appended a note that "I am in favor of it, of course!"

A memorandum from Melvin Calvin encloses the proposal for the National Science Foundation, prepared according to the directions he has received from Randall Robertson (Division of Physical Sciences) and William Consolazio (Division of Biological Sciences) of the National Science Foundation, requesting $63,000 for planning money and $1.17 million for construction of his building. I immediately marked this as "o.k. to go to the Regents". However, Melvin added the disturbing news which he terms as "the destruction of the general biochemical and biophysical group which has functioned so efficiently for the last half dozen years", stating that these four groups in the old Radiation Laboratory, the Biochemistry Department, the Virology Department and the Donner Laboratory, are now to be dispersed to four different corners of the campus. The problem of these areas of science on the Berkeley campus is a continuing one that seems to almost defy solution.

I went to Spenger's to attend a dinner for alumni advisors.

When I arrived home, Helen told me that this morning she attended a KQED party for fundraising at the home of Betty Helmholz in Lafayette. Then, after she left me at the luncheon for the German Ambassador at International House and after completing her sightseeing tour for Mrs. Grewe, she attended a function at Alumni House. In the evening after a quick dinner at home, she returned to the campus to be initiated in a ceremony in Stephens Union into the Prytanean Society, an honor and service society for women students.

Friday, April 24, 1959

During the day at my office I signed a number of letters. One went to Hugh Dryden (Deputy Administrator, National Aeronautics and Space Administration) enclosing a copy of our proposal to establish a Space Sciences Laboratory at Berkeley and saying that this has now been approved by the Regents of the University of California and that I hope to see him in Washington next week so that we can discuss the details of the proposal.

I also sent a memorandum to Clark Kerr, saying that we now find that we do not have $25,000 in unallocated Springer Funds to apply to this Space Sciences Laboratory, and, therefore, I ask that the necessary additional $25,000 of University support of the laboratory for 1959-1960 be provided from a suitable statewide fund.

I also asked Kerr to comment on the suggested procedure for the Regents Committee on Television written by Ted Sherburne. I suggest that Sherburne's recommendations may be too extensive, but certainly we could adopt his suggestion that some visits be made to educational television installations and that the Regents might hear reports on educational television from some of the people he lists, such as Clarence Faust or Alvin Eurich (Fund for Advancement of Education), or John F. White (President of the National Educational Television and Radio Center).

Another letter to Clark Kerr endorses Jim Corley's request to Assemblyman Don Mulford to introduce a bill in the State legislature which would make possible the employment of foreign students in nonacademic positions in the

University. I said that I am very much in favor of such legislation and expressed the hope that Mr. Corley will give every support possible so that it may become law.

A letter went to State legislator Don Mulford, informing him that arrangements have been made approved for the use of the Berkeley campus rifle range on the weekends by his son David.

Recently Glenn Dumke of San Francisco State College asked me for a list, which might serve as a source of recruiting for faculty members for San Francisco State College, of faculty members who are scheduled for retirement or who have retired. I wrote Dumke a note enclosing a list of faculty members who are scheduled for retirement on July 1, 1959 and a list of those who retired July 1, 1958 (attached).

I sent letters of congratulation to our Berkeley faculty members who have received Guggenheim Foundation awards of fellowships for 1959: Andreas G. Papandreou (Economics), Thomas J. Ypsilantis (Physics), Yakov Malkiel (Spanish and Portugese), Francis J. Turner (Geology), and Paul C. Hutchinson (Life Sciences).

A letter to Thomas J. Klitgaard in Oakland responds to his protest of failure to dismiss classes on Good Friday afternoon, March 20, 1959. I explained that this happened because the unusual early date of Easter caused us to set the Easter vacation after Easter rather than before, as is normally the case, and I expressed regret that the usual announcements to students and faculty of the University policy and procedure for excusing students for religious observances was not made due to inadvertence.

In response to a suggestion by Ed Pauley, I sent copies of my book, Elements of the Universe, to Bert Levitt (State Director of Finance) and legislator Dorothy M. Donahoe in Sacramento.

Starting at 10 a.m. I had my meeting with Lincoln Constance. Among the items discussed were the following:

I agreed to giving Otto Struve a leave of absence without pay commencing September 1, 1959.

Since Louis Henyey will be unable to take over the departmental chairmanship until he can be replaced as Director of the Computer Center Henyey will be moved from the nine-month to the 11-month status and will lose his stipend as Director of the Computer Center.

Henry Nash Smith (Chairman of the Department of English) claims that in using salary savings, the Statewide Office has downgraded positions to the rank and salary of the individual temporarily occupying the slot, thus, leading to the loss of the higher ranking positions which are needed for recruitment purposes. I promised to look into this matter.

At about 11 a.m. I left my Dwinelle Hall office to walk to Sproul Hall to meet in his office with Clark Kerr to go over a number of items. We had 22 items on our agenda, of which the following are worth mentioning:

Kerr indicated that we may take over the Monterey Language Center, but we will need work in Washington on this and he would like to have Jim Hart given this assignment and perhaps I should also see Vice President Nixon on this. I gave my approval for Jim Hart to devote some time to this matter.

PRAS MEMBERS SCHEDULED FOR RETIREMENT AT JULY 1, 1959

Name	Department	Rank	Age
*BARTLETT, Eleanor	P.E. - Women	Assoc. Super.	62
BENEDICT, Murray R.	Agriculture	Professor	67
**BRADY, Robert A.	Economics	Professor	57 (1)
*CONDLIFFE, John B.	Economics	Professor	67 (1)
FARNHAM, Willard E.	English	Professor	67
HANSEN, Hans N.	Agrs Plant Path.	Professor	67
HINDS, Norman E. A.	Geological Sci.	Professor	66
KYTE, George C.	Education	Professor	67
LANDAUER, Carl	Economics	Professor	67
LOEB, Leonard B.	Physics	Professor	67
*O'BRIEN, Morrough P.	Engineering	Dean	56
ROBERTS, Royal A.	Business Affairs	Assoc. Prof.	67
SHERR, Sherwood W.	Agrs Ag. Econ.	Assoc. Agr. Economist	66
*STEEL, Thomas B.	Academic Senate	Secretary	65
STONE, Hurford E.	Dean of Students		67

* Voluntary Retirement
** Disability Retirement
(1)Retired January 1, 1959

PRAS MEMBERS — RETIRED July1, 1958

Name	Department	Rank
AVERY, Marion (Miss)	Physical Education	Women's Supervisor of Teaching
BONAR, Lee	Botany	Professor
BUSWELL, Guy T.	Education	Professor
FERRIER, William W.	Law	Professor
GILBERT, Luthor C.	Education	Professor
GILLUM, Helen L.	Agr: Nutrition	Professor
LEDNICKI, Waclaw	Slavic Lang. & Liter.	Professor
LENZEN, Victor F.	Physics	Professor
MAC OWAN, Amy A.	School of Nursing	Assistant Dean of the School
PEPPER, Stephen C.	Philosophy	Mills Professor
REUKEMA, Lester E.	Engr.: Electrical	Professor
SMITH, H. Roy	Latin & Classical Archaelogy	Professor
TALIAFERRO, Nicholas L.	Geology	Professor
THOMAS, H. Earl	Agr: Plant Pathology	Professor
van der CORPUT, Jan	Mathematics	Lecturer

He said that neither Bill Young nor I should attend the meeting in Chicago regarding the possible set-up of a national athletic conference.

He told me that El Khedry (Consul General of the United Arab Republic in San Francisco) has offered to furnish us lecturers free of charge and I am to follow up on this.

He suggested that Dan Wilkes could handle public information responsibilities for Northern California (and Andy Hamilton will do this for Southern California) in lieu of having a Statewide Director for Public Information. I said that I will consider this.

He told me that Dick Rice will handle academic personnel in place of Ellis Groff.

With respect to honorary degrees to be conferred at the June commencement, Kerr indicated that Agnes Faye Morgan, Carl Sauer, and Robert Penn Warren are the only possibilities so far.

I am to draft a letter requesting that the Berkeley campus be assigned the 68 acres behind the School for the Blind, which will be to our advantage to have if we succeed in obtaining the Blind School and Chaparral Hill.

With respect to the appointment of Ben Mottelson in Physics, Kerr said that he will instruct Wellman to tell all the campuses that the appointment should be at the Professor II level; this is in order to prevent a bidding war between the campuses.

Kerr agreed with me that we should try to establish a free speech area at the corner of Bancroft and Telegraph and Chernin is to see Tom Cunningham about implementing this. This is an item that I regard to be of the highest priority if we are going to prevent student protest and uprisings in the future over the issue of so-called free speech.

With respect to Victor Schmidt, he said there is no job for him in the Statewide administration now, but he will let me know if anything becomes available by July 1st. Such a position as Foreign Student Advisor is a possibility.

I briefed Kerr on the status of the activities of Herman Weiner, the ardent recruiter for Berkeley athletics in the Los Angeles area who has been thought to have overstepped the bounds and whom I am going to ask to voluntarily desist from further activities upon the recommendation of the IAAC.

I told him that it would be inconvenient for me to attend the August Regents and he said that it would not be necessary to do so.

He agreed that I might recommend the renaming of Old California Hall the "George Berkeley Hall". Another possibility is to call it "Walter Morris Hart Hall". However, Don McLaughlin suggests changing the present name of the statewide building to "University Hall" and thus, retain "California Hall" for Berkeley. This is another example of McLaughlin's interfering with the affairs of the Berkeley campus although it is a good suggestion.

We discussed the possibility of Chancellor Ray Allen of UCLA serving as the University's Washington coordinator for NDEA, although we might have to send our man (for example, Douglas Chrétien) to Washington once in a while.

The only issue that needs to go back to the Regents concerning the compulsory/voluntary ASUC membership issue is to receive permission for any change in Student Union fees, both graduate and undergraduate.

Kerr said that it is up to the Berkeley campus to recommend appointment of Arthur Compton as a Professor-At-Large.

A number of other items were postponed, some for discussion at my next meeting with Clark Kerr, scheduled for May 7th.

I returned to Dwinelle Hall and went to the Chancellor's Conference Room to preside over a meeting of the Chancellor's Cabinet, attended by Fretter, Hart,

Malloy, Mauchlan, Sherriffs, Strong and Wilkes. I reported on the items discussed with Clark Kerr at my meeting with him this morning and on the items discussed at the meetings of the CCCO, the Regents Committee on Educational Policy, the Regents Committee on Grounds and Buildings, and the Regents Committee on Finance, as well as the meeting of the full Board, held in Los Angeles earlier this month.

I also discussed the importance of careful presentation of matters going before the Regents; the importance of faculty keeping their office hours (especially during the first and second weeks of classes); my response to Kerr, who has asked for a statement concerning the possible establishment of a banking facility in student unions (Chernin will reply along the lines that we do not foresee any need to install a bank in the Berkeley Student Union); the request by the Berkeley City Council that UC restrict the use of cars by students (we decided that this is a City of Berkeley problem); the suggestion by Lincoln Constance that there be an annual meeting at the beginning of the academic year for all department chairmen for the purpose of orientation and instruction on appointment, promotion and budget procedures and so fo was agreed that this should be done and that the Budget should be there).

We discussed the plans of the Academic Senate to consider at the May 4th meeting the creation of a Committee of the Academic Senate on Athletics and decided that Strong should prepare a preliminary statement, expressing the Berkeley campus administration's point of view.

I reported on the meeting of the President's Science Advisory Committee that I attended earlier this month and said that I will distribute reports from the Director of Civil Defense to the members of the Cabinet.

I emphasized that Clark Kerr again made the point at the Regents Meeting that institutes should be centered on one campus, that is, the African Center at UCLA, the Space Sciences Laboratory at Berkeley, but that I hope that I succeeded in making the point that several campuses may be doing research in the same area and that there should be cooperation among them.

At 2:30 p.m. I had an appointment in my office with Dean of Criminology O. W. Wilson, who said that he wants to go on a sabbatical leave in 1959-60 to go to Hawaii to rewrite a couple of books. He feels that his teaching could be handled by lecturers and that Austin MacCormick would be a good acting dean, or, failing that, Paul Kirk. I told him that this would be all right and that he should put in his request right away. Wilson wanted to know whether the acting dean would have a stipend and I indicated that I will explore the matter, but that I don't think it would be the $1700 that Wilson gets.

At 3 p.m. I called Frank Kidner in his capacity as Faculty Athletic Representative. I told him that I won't be attending the proposed meeting of presidents of universities being set up for June 14th in Chicago to discuss the concept of a national athletic conference, a meeting that is being arranged by athletic directors. He told me that he has told Tom Cunningham about the meeting that he attended with Ed Strong, Dan Wilkes, Alex Sherriffs and Bill Stricklin last Wednesday to discuss the faculty and student attitudes towards our athletic program. We also addressed the matter of an executive officer for the AAWU; he said he will be interviewing for this position until after the next meeting of our IAAC, which will be held in Los Angeles in June.

At 4 p.m. I called Muggs Van Sandt in Los Angeles and explained to him the Herman Weiner case and the recommendation by the IAAC that Weiner voluntarily desist from recruiting. I said that I hope that he can be persuaded to stop. I told him that I intend to meet with Weiner and Mortimer Smith on May 16th in Los Angeles to suggest this. Muggs agreed 100% and said that he will inform Stan Barnes, Herman Selvin, Ed Harbach and maybe Bill Rawn and others about it and enlist their support.

At 4:15 p.m. I received a wire from James D. Hughes (aide to Vice President Richard Nixon) saying that the Vice President will be happy to see me if his office schedule will permit while I am in Washington next week. I am to call him when I arrive to see if this can be worked out.

At 7 p.m., after dinner, I called Herm Weiner in Los Angeles from my Lafayette home and he agreed to meet me and Mortimer Smith at breakfast at 7:45 a.m. Saturday, May 16th, at the Westwood Manor Hotel, when I will be in Los Angeles in connection with the Regents Meeting.

At 7:30 p.m. I received a call from Tom Cunningham, who told me that he had an hour-long session with Kerr today to discuss athletics, during which Kerr said that no one from the University of California should attend the meeting in Chicago on the prospective national conference and that Greg Engelhard should be so notified. Cunningham will call Bill Young and tell him that Young and Wilbur Johns also must not attend.

At 7:40 p.m. Frank Kidner called me, saying that he had just received a call from Herman Weiner, apparently as a result of the call I made to Weiner earlier this evening. Weiner said that he has certain derogatory information on UCLA recruiting practices and Frank told me that he has notes on this. I told him about the meeting I have arranged to have with Weiner and Smith on May 16th and about my phone call to Muggs Van Sandt today. I also told Frank about the phone call from Tom Cunningham regarding the meeting on the national athletic conference, a result of which is that he should inform Greg Engelhard that he is not to attend.

Frank told me that he talked with Ed Strong today regarding the Academic Senate Committee on Athletics; the plan is to have five members to be appointed by the Committee on Committees, not to include the Faculty Athletic Representative and the Athletic Director as ex-officio members (as is done at UCLA). I agreed to this plan and also said that I will attend the meeting of the Academic Senate on May 4th, at which this will be discussed and possibly acted upon.

During the evening I read some memoranda. Kitty Malloy indicated that she called Greg Engelhard this afternoon and told him that he is not to attend the Chicago meeting on the national conference, to which he reacted rather unhappily. He said that he will want to talk to me about an alternative suggestion when I return from my trip.

A memorandum from Ed Strong describes a possible application to the Falk Foundation for a grant of $220,000 ($110,000 each to the Departments of Political Science, Berkeley and Los Angeles) to provide fellowships annually for a period of five years to graduate students in Political Science whose major field of study is American Government and Politics, as well as additional support. Each of the proposed centers would be located within existing organizational units--the Berkeley center in the Bureau of Public

Administration and the Los Angeles center in the Bureau of Governmental Research. The problem with the proposal is that it requires the University to supply funds to supervise the graduate fellows. Strong recommends that the proposal be referred to the Committee on Educational Policy for review and adds that Charles Aikin is not very happy about the proposal.

Bill Fretter wrote me a note saying that the proposal for the Inorganic Materials Laboratory has been prepared at the Radiation Laboratory for submission to the Atomic Energy Commission and has already been sent in. He said Viales explained this on the basis that the Radiation Laboratory wanted to get going with this project- this means that I may have to explain to Bill Baker (of Bell Labs) why this course of action was taken.

A note from T. R. McConnell (Chairman of the Center for the Study of Higher Education) reports on his attendance on my behalf at the workshop on higher education at which Alvin C. Eurich (Ford Foundation) was the principal speaker. Eurich espoused the view that small classes are not invariably superior to large ones and stated that all the problems of higher education cannot be solved by more money, viewpoints that caused Charles Odegaard (University of Washington) to tell McConnell privately that it was unfortunate that Dr. Eurich was "spreading such poison".

I noted a letter from Sandy Elberg, written on his and my behalf, appointing members of the Wheeler and South Halls Subcommittee of the Building and Campus Development Committee- Maurice Moonitz (Chairman), Philip Selznick, Eric Bellquist, and F. O. Harris. Helen told me that she took Lynne for her appointment with our dentist, Dr. Betaque, in Walnut Creek this morning and he found her teeth in pretty good shape.

Saturday, April 25, 1959

I spent the day at home with Helen and the children, finding some time to catch up on my reading of journals, reading material in preparation for my trip. In the morning Lynne attended a "Girl Scouts in Action" program and in the afternoon I assisted Helen in the staging of a birthday party for David, running from about 2 p.m. to 4:30 p.m. David's 10th birthday was on Wednesday, but we chose this more convenient time for his party and I must say that Helen and I kept quite busy, keeping things under control.

Sunday, April 26, 1959- Washington, D.C.

I was picked up by a University driver at my Lafayette home at 7:45 a.m. this morning. We drove to the San Francisco Airport, where I boarded United Airlines Flight #704, which left at about 9 a.m. and arrived at the National Airport in Washington, D.C. at about 7:30 p.m.

I then took a taxi to the Cosmos Club (2121 Massachusetts Avenue, N.W.), where I am staying during this visit (which is primarily for the purpose of attending the meetings of the National Academy of Sciences.

Evening World-Herald,
Friday. April 24, 1959

Next Element Hard to Make

Won't Last the Time Needed to Identify

Dr. Glenn Seaborg, University of California chemist who is co-discoverer of nine elements heavier than uranium, said Thursday the business of making elements is becoming more difficult.

The chief problem, he said, is in identifying an element after it has been made. As the elements become heavier, their half-lives become shorter and it is harder to identify them before they decay.

At Long Distance

Dr. Seaborg spoke to an audience at the University of Omaha by way of a telephone hookup from his laboratory in Berkeley, Cal. As he spoke, slides were projected on a screen for the audience of more than two hundred in the University of Omaha Conference Center.

The lecture is probably the first to be delivered in such fashion across so great a distance, according to Dr. Rodney J. O'Connor, assistant professor in the Omaha University Department of Chemistry.

Has Nobel Prize

Dr. O'Connor is a graduate of the University of California and a friend of Dr. Seaborg.

Dr. Seaborg, holder of a Nobel Prize in chemistry, lectured on "The Trans-Plutonium Elements."

To continue the search for trans-plutonium elements, he declared, the United States must have a nuclear reactor with a higher neutron flux than is now available. There are indications the Russians are building one. It raises the possibility the Russians will overtake and surpass the United States in this field, he said.

The lecture was sponsored by the Omaha University student affiliate of the American Chemical Society. Attending were students and faculty members from Omaha and Creighton Universities and Omaha-area high school students.

Monday, April 27, 1959- Washington, D.C.

I attended the meetings of the National Academy of Sciences in the headquarters building at 21st and Constitution Avenue and had lunch with the members in the Refectory.

At lunch I had a conversation with Thomas Sherwood of MIT regarding possible candidates for the Dean of the College of Engineering at Berkeley. He said that H. Guyford Stever is a good man, scientifically-oriented (specialty= high velocity aerodynamics) but probably not good enough to replace C. Richard Soderberg as the Dean of Engineering at MIT when he retires in a year or so. Stever obtained his Ph.D. just as World War II began and hence has been an administrative-type situations essentially ever since. He has served as the MIT athletic advisor and has a breadth of interests. Sherwood said that John Hrones (Vice President of Case Institute) is oriented more toward classical engineering and not so much toward the scientific approach.

At 2:30 p.m. I had a conversation with Roger Revelle, who gave me some astonishing information on the offers he has made to people to come to La Jolla. He has offered Ben Mottelson a position at the Professor III level (plus any cost of living increase needed), plus a staff of two or three Associate or Assistant Professors to work with him. He has offered Mottelson a salary of $14,000. Revelle claims he has authorization from Wellman to make the following offers for the academic year 1960-61: to Keith Brueckner, $18,000 to serve as head of the Department of Physics; to solid state physicist Walter Kohn, $16,000 and to physicists J. M. Luttinger and B. T. Matthias, $15,000; to solid state physicist George Feher, $14,000; to William J. Fry, $12,000; to Marvin L. Goldberger, Murray Gell-Mann or Richard Feynman, $18,000; to Robert Wilson, Jack Steinberger, or Richard Garwin, $18,000; and to Margaret Burbidge, $13,000. His aim is to have 18 faculty members and 400 graduate students by 1965 and he says that he is allowed to augment these salaries from the General Dynamics Fund. Revelle implied that Donald Glaser wanted to be a Visiting Professor for one year at Berkeley to see if he could "reform the Radiation Laboratory" and if he is unsuccessful, he may go to La Jolla. When I referred to this as "double dealing", he backtracked a lot.

From 4:30 p.m. to 6 p.m. I attended a meeting of the Chemistry Section of the National Academy of Sciences. We voted to support Fred Wall, Norman Davidson, Herb Gutowsky (in the Physical-Inorganic area) and David Y. Curtin, Gilbert Stork and Alfred Blomquist (in the Organic area) next year, that is, 1960. I suggested adding Isadore Perlman to the list (with Bill Libby supporting me) either as a Chemistry Section candidate or a joint Physics and Chemistry Sections candidate. (Earlier I had talked to Maurice Goldhaber, Maria Goeppert Mayer, Gregory Breit, Martin Deutsch, Samuel A. Goudsmit, Bob Brode and others about the idea of advancing Perlman as a joint Physics and Chemistry Sections candidate. I got some joint Physics and Chemistry Sections nomination forms from the office and intend to prepare a joint nomination, which is due around the first of October.)

Tuesday, April 28, 1959- Washington, D.C.

I attended the business meeting of the National Academy of Sciences in the headquarters building this morning, at which new members were elected.

I had lunch in the Refectory, at which time I spoke with I. M. Kolthoff and Maurice Visscher (both of the University of Minnesota) regarding the qualifications of Jerry Shepherd of the University of Minnesota to be Dean of the Berkeley College of Engineering. They said that he is young, in his early 40s, gets along well with people, is scientifically-oriented, was Associate Dean of Engineering at Minnesota under Athelstan Spilhaus (for awhile), but they could not say how much of a "driver" he is. They also spoke highly of Spilhaus, who may be a candidate to replace Earl Morrell as President of the University of Minnesota.

After lunch I took a taxi to the HEW building for a conference with Roy Hall (HEW Assistant Commissioner for Research) in Room 4262. We were later joined by Walter Stone and still later by Homer D. Babbidge (NDEA head of Languages, Student Loans, Fellowships and Counselling Division) whom I met at the meeting in San Francisco in December. Our discussions covered the following items:

1) Hall told me about a possible film HEW might make, showing future civilization as a result of the impact of science- to help educate the public to understand science. (Actually he had just had lunch with Nater of Disney's organization and a representative of Coronet Films, where this was discussed.)

2) Hall told me about plans to have Wilbur Schramm (Stanford Communications Institute) head up a two or three year study (the group would meet in Washington two or three times a year) of the general dynamics of the education process.

3) Hall told me about plans to have Jerome S. Bruner (Harvard psychologist and human behaviorist) lead a three week summer workshop on general problems in education, communication of learning, etc. Randall Whaley is interested in this.

4) I told Hall about my idea that a nationwide college course in science for non-scientists should be developed bearing in mind two objectives: proper course content and acceptability, so that it will be used. (This may require publicity and salesmanship during the period of its development.) I asked if HEW could support this and carry the ball on it and he said yes to both. He may contact Thomas Hall (a biologist at Washington University in St. Louis) to ask him to serve as the focal point for this project. Obviously, if we want to suggest someone at Berkeley instead, this would be welcome.

5) I told Hall about the Compton-Strong plans regarding a study of the impact of science on man. He said this would be a proper project to ask HEW to support, if this is desired.

6) I told Babbidge about the Berkeley objection to the award of fellowships to second and third rate schools, pointing to our loss of two good students as a result of this policy. He seemed to realize the weakness in this policy, but doubts that the law can be changed before it has been tried another year or two. He said that he thinks that Berkeley might get fellowships next year if we ask for five or ten only, with an extremely well drawn up application. This year we requested 40 fellowships and our application, according to him, was not very well prepared.

7) I told Babbidge about our objection to the loyalty oath and mentioned that the question of withdrawal from the NDEA program might come before our faculty. He gave me a list of participants in the Student Loan Program--1204

participants, including Harvard ($26,807 out of a request for $250,000) and the University of Wisconsin at Madison ($37,697). Only six small schools have withdrawn--Antioch, Wilmington, Amherst, Sarah Lawrence, Reed and Goucher. They hope that we won't withdraw and implied that they would welcome a protest.

8) Babbidge told me that they are concentrating on six languages in their part of the program- Chinese, Japanese, Russian, Hindu, Arabic and Portugese. I mentioned Chrétien's visit and he seemed to remember it, making the observation that he probably saw Bill Parker and that something had been arranged in the way of support of the Berkeley program.

I saw Commissioner Derthick briefly, along with Hall, and we indicated that Hall and I had exchanged many ideas, some of which Hall would pass on to Derthick (especially items #4 and #5 above). I told them that I won't attend the May 11th-12th meeting but will attend October 21st-22nd, if these dates are not changed. I shall ask members of my Chancellor's staff and Cabinet to follow up on many of these nine items that we discussed.

Following these meetings at HEW, I took a cab back to the Cosmos Club, where at 4 p.m. I received a phone call from W. O. Milligan's secretary (Welch Foundation, Houston, Texas), inquiring about my reaction to the names he suggested in his letter to me of April 13th. I said that I agree with them.

Since the Air Force Science Advisory Board is meeting today in the Pentagon, I tried at 4:30 p.m. to phone Guy Stever, a member of this Board, in order to discuss with him the deanship of the College of Engineering in Berkeley, but I found that Stever isn't attending the meeting.

I walked to the Sheraton Park Hotel to attend the reception and dinner of the National Academy of Sciences. Here I met Dr. Sarwano, Head of the Council of Science of Indonesia, who spoke gratefully of the help that the University of California, Berkeley, is giving them. I also met and spoke with Dr. and Mrs. Kotarbinski; he is President of the Polish Academy of Sciences and both he and his wife spoke briefly after dinner.

After dinner I spoke with Arthur Compton and reminded him to get in touch with Ed Strong regarding the project on the impact of science on man in which he and Ed are interested. Compton then mentioned to Alan Waterman (Director of the National Science Foundation) our plan to go to the Ford Foundation for support for this project, referring to it as a "giant Washington University-University of California project". Waterman indicated that he wants to be kept informed. I also told Compton that he has a standing offer to come to the University of California, any campus, when his commitments elsewhere will allow him to do so. This offer of a position at the University of California is a follow-up to my conversation with Clark Kerr last Friday.

Wednesday, April 29, 1959

This morning I was picked up by a driver at the Cosmos Club at 9 a.m. and driven to Hagerstown, Maryland, to spend the day viewing and visiting the experiment in educational television that is taking place there in the school system. In Hagerstown I was met by William M. Brish (Superintendent of Schools, Washington-Columbia School System, Hagerstown) at the headquarters (actually some old pre-war NYA buildings) for the educational TV project.

Then from 10:20 a.m. until 2:10 p.m. (with time out for lunch) I went on a tour with Brish, looking at TV facilities, classroom teachers performing before cameras, and various classes in several schools. The events I saw are marked in their TV GUIDE for Washington County ETV for the school week April 27th- May 4th. I received a packet of material to give to our TV people and a packet for my own use.

The luncheon group included visitors Norton Beach (Teachers College, Columbia University) and John H. Woodburn (temporarily on a teaching project at John Hopkins University and a former participant in a project of teachers in high school summer institutes teaching nuclear subjects). Superintendent Brish told me that he is going to attend a Ford Foundation workshop on education at Stanford University July 7th -29th. I also learned that Superintendent Bob Shanks of Anaheim, California, is getting a TV teaching experiment under way. I am very impressed by the progress in the use of educational television equipment for teaching that I saw at Hagerstown today.

I was then driven back to Washington and I went back to the meetings of the National Academy of Sciences in the headquarters building. I had a conversation at 4:30 p.m. with Randall Whaley (Executive Director, Advisory Board on Education, National Academy of Sciences-National Research Council). He briefed me on the Academy's extensive program on "Communications in Learning" and gave me two pamphlets: 1) a conference report, and 2) a description of a proposed research proposal. He told me about the plans for this summer's program on fundamental processes in education at the Whitney estate at Wood's Hole for the dates June 13th- July 3rd, to be led by Jerome S. Bruner (Harvard University). He said that they are seeking foundation support for this. (This is the program described in the third item of my conversations with Roy Hall yesterday at HEW.)

I returned to the Cosmos Club and placed a call to my office. I talked to Anna Carol Dudley and told her about a number of the conversations that I have had here in Washington and asked her to pass on the information to members of my staff and Cabinet.

We discussed the matter of transfer of the Army Language School at Monterey to the University of California, Berkeley. I learned that I can reach Clark Kerr in New York by phone and, thus, find out whether he would like me to raise this possibility with Vice President Nixon when I see him tomorrow.

After dinner at the Cosmos Club I called Helen at home and learned that she took Lynne and David to see Dr. Percy Jennings, our pediatrician, on Monday afternoon and found everything in good order. Today she attended the University Meeting at which the Indian Ambassador spoke, had lunch with our neighbor, Jean Scott, and this evening plans to attend the meeting at Alumni House of the women's Dames Club, at which the installation of new officers will take place,. Tomorrow morning she is taking Lynne to see Dr. Redmond (our orthodontist) and then she has a meeting with Mrs. Brown, who is scheduled to speak at Happy Valley School at 1 p.m. In the afternoon she will attend the tea at the Livermore Laboratory and in the evening, the Open House at Happy Valley School.

Thursday, April 30, 1959

I presided over the meeting of the Advisory Board of the UCB Miller Institute, beginning at 9:10 a.m. in Room 304 of the Cosmos Club. Present were committee members William R. Dennes, Jerome Hunsaker, I. Michael Lerner, Kenneth S. Pitzer, Frederick Seitz, and Paul Weiss. Weiss suggested that the Advisory Board rely more on the members of its Executive Committee (Dennes, Chairman, Lerner, Pitzer and Seaborg), but Dennes emphasized that we need the advice of the entire board in helping to make appointment of fellows to the Miller Institute for Basic Research in Science.

The Board voted to extend the appointments of present members of the Institute--Bill Nierenberg, Charles Kittel, Garniss H. Curtis and Jack F. Evernden. We approved appointments of applicants from the Department of Mathematics, Bernard Friedman and Gerhard P. Hochschild, and voted to deny, without prejudice, the applications of Raphael M. Robinson, Frantisek Wolf and Stephen Diliberto. The Board voted to approve the applications of Michael Doudoroff, Gorton Linsley, George Papenfuss and Leonard Machlis, also Chester O'Konski of the Department of Chemistry, Israel Cornet of the College of Engineering, Michael Tinkham of the Department of Physics, and the appointments of Benning Cook and Robert J. Heizer, and of Leo Postman.

We also approved actions of the Executive Committee at its meeting of March 27th in Berkeley that modifications be made in their appointments.

The Board held a rather extensive discussion of the problem of identifying younger scientists of promise for appointments to substantial fellowships in the Miller Institute. As a result of the discussion we decided that the Miller Institute should bring in bright young men, just finished with their Ph.D. work, for three year fellowships at the rate of $7600 per 11-month year plus moving expenses for the family. It was decided that the Executive Committee will contact some 10-12 people for suggested candidates, each to be interviewed by an Advisory Board member, with final selection to be made at the annual March meeting of the Board for appointment the following fall. The Board also recommended that the Miller Institute hold workshops in inter-disciplinary areas with leaders to be brought in from outside of the University for a month or two with the object to find our own bright young men. We decided that the next meeting of the Advisory Board will be held on Friday, March 11, 1960, at Berkeley.

As we were breaking for lunch, I ran into Larry Marshall, who inquired regarding a rumor that he was being considered for the deanship of the College of Engineering at Berkeley and whether he could return to his professorship at Berkeley. I said that I gave his name to the Search Committee, but he is not on their list of recommended candidates and that with respect to returning to Berkeley, he should wait until the new dean or at least an acting dean is chosen. I said that I will keep him informed and that he, in turn, should keep us informed of any moves that he might make.

I also ran into Meredith Wilson (President of the University of Oregon), who was having lunch with some committee meeting of the American Council on Education in a room across the hall from where the Miller Advisory Board was having lunch. I asked him why the University of Oregon has opted to go for the "free ride" in athletics--which is a matter of great surprise to many of us; he replied that he thinks it should be either that or complete amateurism-that these are the "only honest paths". We left it that Berkeley might get in

touch with northern schools some day about scheduling football games again and he seemed very receptive and said he wants to talk to us about athletics some time. He was very friendly.

I also saw Clement French (President of Washington State University) briefly at the same meeting. We exchanged friendly greetings but there was no time for a further exchange.

After the meeting and luncheon of the Advisory Board of the Miller Institute, I spent some time in my room, then took a taxi to the Capitol Building for my appointment with Vice President Richard M. Nixon, whom I met in his vice presidential office from 5:15 p.m. to 6:15 p.m. I discussed with him the proposal for the University of California, Berkeley, to take over the Monterey Army Language School, giving him the arguments in favor of doing this, based on my phone conversation with Clark Kerr last night--that it would lead to better programs, that it might expand into broader area studies for training U.S. personnel for service abroad, and so forth. I told him about Eugene Burdick's conversation with Senator Hubert Humphrey on this matter and Nixon indicated that he will talk with Humphrey about this. Burdick has learned that the Army Language Laboratory is about to fold and that it is losing its contracts and that if Berkeley were to take over the administration, it might be possible to introduce undergraduate work in the school. He indicated that he thinks Burdick's book, The Ugly American, did a good job and was essentially accurate.

We talked about his scheduled trip to the Soviet Union this coming summer and he brought up the matter of the Lacy-Zaroubin exchange agreement; I told him about our hope that it will be expanded and that University people will be consulted in connection with its implementation. I gave him the name of the Inter-University Council on Travel Grants and David Munford's name and he took notes and indicated that he will look into this.

I also told him about my concern that the Russians are getting ahead of us in the field of research on the transuranium elements and mentioned our need for a high flux reactor and so forth.

I told him the story on the naming of mendelevium, in case he might find it useful on his trip to Russia. I said that I will send him a copy of my book, Elements of the Universe, in which the evolution of the periodic table is discussed with Mendeleev's contribution described in detail. I have in mind that he might be able to use to advantage the fact that American scientists have named a synthetic transuranium element (in this case, the element with atomic number 101) after the great Russian chemist and originator of the periodic table, Dimitri Mendeleev.

I also told him about some of the discussions of the President's Science Advisory Committee, emphasizing some of the problems our country is facing in the defense picture.

I brought up the matter of the NDEA loyalty oath, telling him that there is widespread dissatisfaction in the academic community over this. He was very sympathetic and said he will look into the Administration's position on this. He agreed that I should see California Senator Thomas Kuchel about this tomorrow. (I did see Senator Kuchel, who seems sympatnetic, although less committed than Nixon seems to be.)

I told him about the problem of keeping Torbjorn Sikkeland and Cyril Birch at Berkeley and of the necessity of their returning to their home countries for the two years required under regulations applying to exchange visitors and asked if he might talk to Attorney General William Rogers about this. He expressed interest and asked for full details so I passed on to him the summary card that had been given me by Maribel Montgomery outlining the details of the case. Nixon said that he would take this matter up with Attorney General Rogers and see if he could get a waiver for both men.

I told him that his telegram to Pete Newell was read to a large group of students at a University Meeting. He said that he would like to see me again before he goes to Russia; I said that I will be in Washington June 16th -17th and could extend my stay to the 15th or the 18th, if this would suit his schedule, but he indicated that he will probably be out of town at that time. (As a note for future contacts, I might add that although the negotiations for my appointment with Vice President Nixon began in conversation with his aide, James Don Hughes, the final arrangements were made by a secretary, Miss McVey.) On the way out from Nixon's office, we ran into John Cooper (Senator from Kentucky) to whom I was introduced by Nixon; Nixon made the comment that he may call on him for help on some of the international exchange problems that we had been discussing.

Following my meeting with the Vice President, I called my Chancellor's Office in Berkeley and talked with Anna Carol Dudley and Maribel Montgomery and gave them a summary of my conversation with Nixon and asked them to pass on the information to the interested members of my staff and cabinet.

P·G and E· Progress

Published Monthly by the Pacific Gas and Electric Company
245 Market Street, San Francisco 6, California
Lawrence R. McDonnell, Editor

XXXVI APRIL, 1959

Dr. Seaborg Looks Ahead

(Dr. Glenn T. Seaborg, chancellor of the University of California and associate director of the University's Radiation Laboratory, is a world-respected expert in the field of nuclear power. In a talk recently in San Francisco, the Nobel prize-winning chemist made the following significant observations.)

"Let me say categorically that the United States is far out in front in over-all nuclear know-how, depth of industrial experience and numbers of trained nuclear technicians, scientists and engineers. This was true at Geneva in 1955 and 1958. The fact that the United Kingdom has built more large scale plants than we have, does not change that statement.

"We have not felt the same compelling reason to plunge headlong into nuclear power construction and our policy has been to carry out a broad scale development of all the basic reactor types and to develop deliberately a broadly based industrial experience in these types before we locked in our wide scale applications to a particular type which might not be the best one for the long pull.

DR. SEABORG

"The greatest help to the underdeveloped nations in the nuclear area is coming not from nuclear power but from the applications of radiation and radioactive tracerisotopes to the problems of medicine, agriculture, prevention of food spoilage, the development of new plant species and a myriad of other small applications which together add up to a great deal.

"Probably the most difficult problem, which may well be the limiting factor in determining the extent to which nuclear energy will be used for industrial power, is that of disposal of the tremendous quantity of radioactive fission product waste material."

Britain, Japan and some Western European nations are building atomic power plants more swiftly and for immediate use—but they are using easier methods, "which are not necessarily best in the long run," Seaborg said.

For such countries, conventional power is so expensive that they must turn to atomics right now, and they are building reactors already obsolete, he feels. But America, Canada, West Germany and Soviet Russia can afford to work toward perfecting more efficient power reactors.

The ones now being built here and in Russia are better suited for industrial use, and can be more easily packaged for export to underdeveloped nations, Dr. Seaborg says.

"The United States has made more progress than the Soviet Union in nuclear power," he maintained. "But in the long run it won't be very meaningful. By the time both countries have developed substantial nuclear plants, neither will have any advantage."

Dr. Seaborg recently was named to the President's Science Advisory Committee by President Eisenhower. He is co-discoverer of plutonium, element 94, fuel of atomic bombs and potentially of atomic energy. He is also co-discoverer of eight other synthetic elements heavier than plutonium and of scores of radioactive isotopes.

Friday, May 1, 1959- Washington, D.C.- Houston, Texas

I took a taxi to the NASA headquarters building at 1520 H Street, N.W. (the Dolly Madison House) where, along with Bill Fretter, Bob Brode and Ed Teller, I met from 10 a.m. until 10:45 a.m. with Hugh Dryden (Deputy Administrator) and Homer Newell of NASA to discuss our proposal for NASA support of our Space Sciences Laboratory at Berkeley. We seemed to receive general approval of our proposal, provided we modify it to ask for $250,000 for 1959-60, $350,000 for 1960-61 and $500,000 for 1961-62 (in this last case asking for only $200,000 now). I informed them that the proportion of the University of California support would probably remain the same (i.e. 10%). They seemed to imply continuing support at $500,000 per year.

Apparently about six such University projects would be supported at about this level (including UC, Van Allen at Iowa, Bill Houston at Rice). All of this is subject, of course, to getting funds from Congress this summer. The question of getting money for capital expenditures (buildings) is a difficult one, but they are working on various ways of approaching this. Projects like Fretter's (for which an application to NASA has already been made) and some mentioned by Teller for the Radiation Laboratory at Berkeley and that at Livermore are separate from, but cooperative with, the above.

After the meeting at NASA I had a conference with Ed Teller until about 11 a.m., covering the following items:

1) He said the two men O'Brien has in mind to head Nuclear Engineering are Tom Pigford and Stan Thompson. Both are acceptable, but Pigford is much the better. Teller told me that Pigford thinks that he might want to attach himself to Chemistry and wants to see me during a visit to Berkeley the week of May 10th. He thinks that the real problems are those of materials, hence basically chemical.

2) Teller also reported on the sea water conversion projects in response to my letter to him requesting information on this subject. He said that all of the work except Bromley's could probably be curtailed. Their cost is $300 per acre-foot as opposed to a fresh water cost of about $27.

3) Ed said that he would like to hear from Clark Kerr about his idea for a campus satellite to Berkeley (i.e. the Institute of Applied Sciences at Park Air Force Base).

4) I asked Teller if he would consider heading up the Space Sciences Laboratory. He answered that he doesn't think he would like to do this, but will think about it some more before giving me a final answer. He told me that when Harold Brown is ready to take over as his successor as Director of Livermore, he wants to go back into research.

I walked over to the the new Senate Office Building and went to Room 1327 to have a conference with Senator Kuchel, lasting from 11:45 a.m. to 11:55 a.m. I told him about my talk with Vice President Nixon yesterday regarding the NDEA loyalty oath and described my perception of the strong reaction against this in colleges and universities. He seemed sympathetic. He asked me to send him a copy of any resolution which our Academic Senate might pass on this and to include a reminder of our conversation and comments about how I feel about the action. He asked me to drop in to see him occasionally when I visit Washington. I made a note of his secretary's name (Ruth M. Crayford) and was introduced to his aide, Francis Tapaan (who is leaving this July to become Vice President for Public Relations at the University of Southern California). Tapaan will be replaced by Bob Wenke from Long Beach.

I then went to another room to hear a few minutes of the Senate confirmation hearing on Lewis Strauss for his appointment as Secretary of Commerce. I heard Strauss and Dave Inglis testify; their testimony revolved around the story of the clearance hearing of Robert Oppenheimer. Bill Fretter, Mrs. Robert B. Brode, Mrs. Larry Marshall, Dave Hill and Ralph Lapp were among those in the audience.

After an afternoon of sightseeing and visits to museums, I took a taxi to the National Airport, where I boarded Eastern Airlines Flight #519, which left at about 6:10 p.m. and arrived at Houston at 9:30 p.m.

Enroute I sat next to C. Glen King (Executive Director of the Nutrition Foundation, Inc. and a member of the Scientific Advisory Board [SAB] of the Welch Foundation). In connection with support of work at the University of California at Berkeley by the Nutrition Foundation, he pointed out the great disadvantage to UC in getting contracts because of the long delay between the initial contact by a UC professor and the final approval by the UC administration. He asked whether a committee could be set up with the power to act. He wants to add a new man to the Board of the Nutrition Foundation, preferably from Stanford or Berkeley and we concluded that Clark Kerr is the best candidate for this. They dispense about $500,000 in grants each year, mostly to graduate student oriented research.

When we arrived in Houston, we were met by W. O. Milligan (Research Director of the Welch Foundation) and Andrew Suttle (Humble Oil Co. in Houston). He told me that Jean Futrell is doing very well and they are very pleased with him by comparison to men they have hired from other places. He is working on the oxidation of hydrocarbons by radiation.

I checked into the Rice Hotel, where I will spend tonight and tomorrow night.

Saturday, May 2, 1959

The Scientific Advisory Board of the Robert A. Welch Foundation met all day at the Bank of the Southwest Building in Houston to discuss the various research proposals, etc., submitted to the Foundation for funding. Present were: Roger Adams, Peter DeBye, Henry Eyring, C. Glen King and I and Director of Research W. O. Milligan.

We agreed to submit the following recommendation to the joint meeting with the Board of Trustees, which will convene this evening after dinner:

> "The Scientific Advisory Board strongly recommends that the Trustees of The Robert A. Welch Foundation establish a number of Research Institutes for the purpose of conducting basic research in chemistry, the first one to be established as soon as feasible in the field of physical chemistry, this new activity to be conducted as a supplement to the Foundation's present program of support of basic research. It is also recommended that there be an intimate cooperation between the staff members of the Research Institutes and the institutions of higher learning in Texas."

We conducted quite a long discussion about this recommendation (which was primarily Peter DeBye's idea), concluding that it is a practical and desirable goal and one which might find additional support from the National Science

Foundation. We also spent a good part of the day discussing proposed support for the construction of a high flux reactor and reviewing the progress reports of projects already supported by the Foundation.

During lunch Henry Eyring told me that Kang Wang, a Korean who obtained his Ph.D. degree with Henry and who is working at the Continental Oil (Ponca City, Oklahoma) is a very good young physical chemist to keep an eye on.

The tenth meeting of the Scientific Advisory Board and the Board of Trustees of the Welch Foundation was convened at 8:30 p.m. at the offices at Bank of the Southwest Building. Present were Trustees D. R. Bullard (Chairman), C. M. Malone, W. T. Doherty and Jesse Andrews, and members of the Scientific Advisory Board Roger Adams, Peter Debye, Henry Eyring, C. Glen King and I, and Director of Research W. O. Milligan.

After Bullard had opened the meeting by expressing appreciation to all those in attendance, Jesse Andrews said that up to this time the projects for which grants have been made have been such that he has been utterly unable to gain any understanding of them whatever; that in authorizing additional expenditures of this kind, if any are authorized, the Trustees will be relying entirely on the judgement of the Scientific Advisory Board; that he hopes that members of the Board appreciate the extent to which the Trustees are relying on them, and, in making recommendations would put themselves in the places of the Trustees and see that everything done, so far as they are concerned, is strictly within the limits of the Trust. This made a very interesting start to the meeting, emphasizing as it did the gap between the scientists and non-scientists.

Wilfred Doherty then made a positive report on the progress of projects funded by the Welch Foundation. From his viewpoint, the present programs are very successful and should be continued. He said that the grant-in-aid program and the lectureship program are having a terrific impact on the amount of and improvement in the quality of basic research being done in Texas and as a result of this stimulus, the schools are beginning to expand their graduate programs. The conference program has been a success and has had a fine response throughout the nation, as they are continuing to receive unsolicited requests for the proceedings of the first conference. He also reported that the research publications of the grantees are steadily increasing, both in number and quality.

Doherty recommended that the schools be notified that after a period of three years, permanent equipment bought by the Foundation would be given to the schools, provided the grantee has done good work. During the discussion on this matter the Trustees unanimously approved his recommendation for the following reasons: a) the equipment would be of little use to anyone else except the investigator; b) the equipment would be pretty well worn and obsolete and would have very little, if any, monetary value; and c) if the Foundation could not give the equipment to the schools, they could lend it to them for a period of twenty years or so.

Sunday, May 3, 1959- Houston

The joint meeting of the Scientific Advisory Board and the Board of the Trustees of the Robert A. Welch Foundation re-convened early this morning. Present were all the same people who attended last night's meeting. W. O.

Milligan presented the Scientific Advisory Board's recommendation regarding the establishment of Research Institutes for basic research in chemistry. There followed a discussion of the Advisory Board's recommendation that the Foundation support the construction of a high flux reactor by setting aside $500,000 to guarantee the salary of a high-level nuclear chemist to serve as director for such a facility and $500,000 for other preliminary expenses, including preliminary experiments concerning feasibility studies. This proposal assumes, of course, that a suitable contract could be made with the Department of Defense or the Atomic Energy Commission to cover the cost of the reactor. It was agreed that failing the achievement of such a contract, these funds would be returned to the general fund of the Foundation.

The Scientific Advisory Board reported that we had made an extensive study of progress reports on projects already funded by the Foundation and that an extra large number of "A's" were received. The Board of Trustees accepted unanimously the Advisory Board's recommendations that the Foundation fund proposals received from Thomas E. Brackett (Rice Institute), B. J. Camp (A&M College), Edward A. Meyers (A&M College) and R. Pettit, R. M. Roberts and George W. Watt (all of the University of Texas). The meeting adjourned at 11:45 a.m.

I took a taxi to the Houston Airport where I caught Braniff Airlines Flight #645 that left at about 1:30 p.m. and arrived in Denver a little after 5 p.m. In Denver I changed to United Airlines Flight #747 that left at about 5:30 p.m. and arrived at San Francisco Airport a little after 9 p.m.

I was met by a University driver and driven to my home in Lafayette. When I arrived home Helen told me that she attended a lunch at Kay Kerr's and following that, the college tea at the Women's Faculty Club on Friday.

Monday, May 4, 1959

I drove directly to my Chancellor's Office in Dwinelle Hall. Anna Carol brought me up to date on some of the happenings during my absence.

During the day I signed a number of letters. One went to Clark Kerr in reply to his letter of April 28th, expressing my approval of the establishment of the new College of Environmental Design in accordance with the enabling legislation approved by the Representative Assembly of the Academic Senate, Northern Section at its meeting on April 13th and also expressing the hope that the Regents will take favorable action approving this at their next meeting.

Another memo to Kerr proposes that the conference and seminar room (Room 221) in Kroeber Hall be named after Professor Emeritus Edward W. Gifford in accordance with the recommendation of the Building Names Committee and upon the recommendation of the Department of Anthropology. I asked for consideration of this at the Board of Regents Meeting later this month.

I wrote Professor Alfred B. Garrett (Department of Chemistry, Ohio State University), who is in charge of an American Chemical Society committee to recommend revisions in high school chemistry courses, enclosing answers to four specific questions he asked and adding that I am willing at any time to help in this project.

I wrote to Detlev Bronk (President of the National Academy of Sciences) expressing appreciation for the information that was sent in response to my inquiry about the proposed exchange between the National Academy of Sciences and the Soviet Academy of Sciences and enclosing a copy of the tentative agreement for exchange made by us at Berkeley with the University of Leningrad on the occasion of the visit of Rector A. D. Alexandrov to Berkeley last week.

I sent letters of appointment to a Chancellor's Special Study Committee Concerning Criteria of Eleven-Month Academic Appointments to Professor Ted Vermeulen (Chairman) and Professors E. A. Adelberg, Frank L. Kidner, J. A. Putnam and C. Stern.

I wrote to Richard A. Humphrey (Director of the Office of Institutional Projects Abroad of the American Council on Education in Washington, D.C.) in response to his letter of April 8th in which he still advocates two years as the "norm" for university faculty on leave to provide overseas service under ICA programs. I enclosed a copy of our policy statement which is yet to go for approval to the Board of Regents, indicating disagreement with a period as long as two years.

I also wrote to the William S. B. Lacy (Special Assistant to the Secretary of State) enclosing a copy of our description of the exchange program between the University of Leningrad and the University of California, Berkeley.

In response to his request, I wrote to Wilbur J. Sweeney (Vice President of Esso Research and Engineering Company in Linden, New Jersey) suggesting as candidates for director of their projected basic research division Frederick W. Albaugh (GE Company, Hanford, Washington), Robert Duffield (General Atomic Division, General Dynamics Corporation, San Diego, California), Spofford G. English (Research Division, U.S. Atomic Energy Commission, Washington, D.C.) and George W. Watt (Department of Chemistry, University of Texas, Austin, Texas).

Gloria Copeland called Anna Carol to pass on Clark Kerr's inquiry about whether I have considered keeping Ky Ebright on as crew coach beyond his retirement. Greg Engelhard called soon after this and I asked him whether we might keep Ky Ebright on; he said that this has been considered but they feel that on the heels of a bad situation a few years ago, it would be unwise. He has talked this over with Ebright, who agrees off the record that he does not have the drive he used to have. Also, it would be difficult to keep him on after all the farewell ceremonies. I agreed to announce the appointment of Ebright's replacement at the dinner in his honor at the Claremont Hotel on May 23rd.

Greg then went on to tell me that the Big Ten presidents met to discuss the Rose Bowl question last week--that is, whether they should make an agreement with the new AAWU. Conrad Elvehjem (President of the University of Wisconsin) is not sure that he favors such an agreement. Greg asked if I would call him and explain our position: that we have high academic standards and are trying to play schools with similar standards. If the vote were taken now, it would be 5-5--which means that the agreement would be defeated-- The meeting at which the decision will be made will be held May 22nd and 23rd. I said that I will probably call Elvehjem. Greg said that some of the hesitation in the Big Ten is over the question of whether Stanford is coming into the AAWU. However, Wally Sterling (President, Stanford) has seen Norman Topping (President, USC) and is favorably impressed with him; Sterling is seeing Kerr

to discuss this on Wednesday. Perhaps we could persuade the Big Ten to postpone their decision.

At a little before noon Clark Kerr came by and we walked together to Wheeler Auditorium to participate in the program at which Mr. Tom M'Boya of Kenya was scheduled to speak at an ASUC-sponsored meeting. The program opened with a performance by the Glee Club and Treble Clef, during which I sat in the front row of the auditorium. After their performance, which lasted about five minutes, I went on the stage to be seated there. Dick King of the ASUC acknowledged my presence and then introduced Kerr, who in turn introduced M'Boya, who gave a talk on the present situation in Africa.

After the program, which lasted until nearly 1 p.m., the stage party, members of the ASUC officialdom and Charles Aikin and other members of the Department of Political Science and other faculty had lunch at Strawberry Canyon.

At 4:10 p.m. I attended a meeting of the Berkeley Division of the Academic Senate in Wheeler Auditorium. In my remarks, under "Call for Announcements by the Chancellor", I spoke of the need for a faculty committee on athletics to be appointed by the Committee on Committees, as has been done by the Los Angeles Division. This committee will operate in connection with the IAAC (members of which are appointed by the President) to obtain the views of the faculty on policy for the conduct of athletic programs and would have the responsibility of studying, recording and recommending to the Berkeley Division on matters of athletic policy. I mentioned that Ed Strong already represents the Berkeley Division as a representative on the IAAC. Frank Kidner made a motion for the establishment of this athletic committee, which then passed.

During the afternoon and in the evening at home I went over my accumulated mail. I read a memo from Ed Strong, passing on the recommendation of Charles Jelavich that the title of the Center for Slavic Studies be changed to "Center for Slavic and East European Studies"; I indicated my approval and asked that he convey this to Jelavich.

A memo from Harold E. Jones, modified by Ed Strong, recommends as members of the Advisory Committee for the Institute of Human Development for 1960-61, David H. Russell (Chairman), Reinhard Bendix, Frank Beach, Margaret Gordon, Daniel Mazia, Nello Pace, Edward S. Rogers, George H. Schade and Alexander Simon. I marked this "okay".

I noted a number of memos sent out by Sandy Elberg (Chairman of the BCD Committee) with my indicated concurrence, inviting a number of faculty to serve on committees- for the Agricultural Buildings Space Committee, V. Fuller (Chairman), D. G. Aldrich, Jr., H. A. Barker, W. M. Hoskins, G. MacKinney, David Schlegel, R. J. Tetlow, and E. R. Dempster and J. A. Zivnuska; as members of the Student Services Building Subcommittee, P. F. Keim (Chairman), R. C. Calvert, Mrs. R. N. Donnelly, Mrs. L. M. Kirk, W. F. Shepard, W. C. Perry, Miss K. A. Towle, F. E. Tregea and E. K. Erickson; for the Life Sciences Building Subcommittee, C. W. Asling (Chairman), T. C Broyer, A. S. Foster, P. L. Kirk, C. H. Li, A. S. Leopold, Miss E. L. Olson, Leo Postman, J. Fong, Ralph I. Smith and Richard L. Lyman; for the Committee on Space Assignment in Dwinelle Hall, Blake L. Spahr (Chairman), A. Perstein, J. H. Raleigh, Clarence Brenner, G. Struve, Wallace Matson, and W. Bean; and for the Committee on Space Needs of Units of the Department of Defense, C. L. Nordly (Chairman), Colonel John Malloy and Colonel S. C. Gurney, Jr.

During the evening Helen attended a dinner at the Strawberry Canyon Recreational Area for the cabinet of the Dames, a society of wives of students.

Tuesday, May 5, 1959

Today I sent off a number of memos and letters. I wrote to Clark Kerr to inform him that Sinclair Weeks will not be able to serve as Regents' Professor of Business Administration during the coming academic year and, therefore, this has been changed to a term of his choice during 1960-61. This leaves a vacancy for 1959-60 and I recommend, on the basis of the recommendation of the Berkeley Committee on Regents' Professorships and Lectureships, that the appointment go to Jean Renoir, the motion picture director and dramatist, as Regents' Professor of English and Dramatic Art for the Spring Term 1960.

In another memo to Kerr I recommend that "Old California Hall" be named after George Berkeley, Bishop of Coyne, for whom the City of Berkeley is named, and that it be known as "George Berkeley Hall" and that this be brought to the attention of the Regents at their meeting later this month.

I wrote to Harry Wellman to suggest that we honor President Emeritus Sproul's request that he and Agnes Robb occupy the rooms formerly occupied by Bob Underhill--that is, Rooms 240C and 240D in Sproul Hall--and that the Graduate Division, therefore, be assigned to Rooms 239E and 239F. I also agreed to the proposal that the switchboard in the President's suite in Sproul Hall be retained and that we will, therefore, retain Miss Hoke in her present location.

I sent a number of memos approving the recommendations of the Building and Campus Development Committee for the assignment of space in Campbell Hall to Otto Struve for the Astronomy Department, to David Blackwell for the Statistics Department, to Louis G. Henyey for the Computer Center, and to John L. Kelley for the Mathematics Department.

From 10:30 a.m. until noon I attended a meeting of the Executive Committee of the IAAC in Tom Cunningham's office in Sproul Hall. This was presided over by Tom Cunningham and we discussed, among other things, the problems we are having with the Big Ten in arriving at an agreement for the Rose Bowl in which the representative of AAWU will play the representative of the Big Ten on each January 1st.

At noon I presided over the meeting of the Chancellor's Cabinet in the Chancellor's Conference Room. Present were Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes. We decided to appoint as members of a new Chancellor's Advisory Committee on Strawberry Canyon Problems Lathe Meriam as Chairman and members Arnold Perstein and Carl Nordly.

We agreed that an appropriate use of the gift that Sidney Ehrman wishes to donate to the residence hall being named for him would be to provide a special library for that hall.

I informed the Cabinet members of Wellman's letter stating that Berkeley units will delay moving into Sproul Hall until after commencement in June, when the move of the statewide administration to the new building on Oxford Street (now named California Hall) will have been completed.

I reported on my meetings with Vice President Richard Nixon and with Homer Babbidge during my visit to Washington, D.C. last week.

Sherriffs reported on the events leading up to the decision that must be made on whether or not to allow the Reporter on campus; we will send a memo to Kerr pointing out the advantages and disadvantages of allowing the Reporter on campus. It was the consensus of our opinion that it should be allowed on campus. Sherriffs also reported that SLATE has requested permission from Dean Stone's office to hold five rallies this week, including one on Friday in conflict with the forum which I will chair. It was agreed that I will reply and suggest to Stone that if SLATE wishes to hold a rally at the same time, it is all right with me.

Fretter was asked to work on a synthesis of a Revelle-Sanders-Knudsen-Dodd recommendation on Bright Young Scientists for presentation by me to the meeting of the Regents this month.

At 2 p.m. I met in my office with A. Harry Bliss, along with Errol Mauchlan, to discuss certain aspects of the proposed consolidation and decentralization of statewide safety and health activities, particularly as they pertain to radiation protection, as a follow-up to the Cresap Report. I emphasized that my attitude is conservative in matters of radiation safety. We agreed that the present mass program wherein complete physical examinations and blood counts are given to everyone who handles radioactivity--no matter how small the amount--can be replaced by a program adjusted to different jobs and that the radiation safety program on the Berkeley campus will be administered by the Berkeley administration. Bliss is an Associate Professor of Public Health at UCLA.

At 3 p.m. I met in my office with Paul Pearson (Ford Foundation). He has already met yesterday with Francis Turner (Chairman of the Department of Geology), J. W. Durham (Chairman of the Department of Paleontology), J. L. Kelley (Chairman of the Department of Mathematics) and Ralph Emerson (Botany) and this morning with M. A. Stewart (Dean of the Graduate Division) and Melvin Calvin (Chemistry) and this afternoon with Bill Fretter to investigate matters in which the Ford Foundation might give us support. He is the head of the Natural Sciences Awards under Carl Borgmann. He told me that they are supporting atmospheric physics and oceanography; I told him that most of this goes on at the Radiation Laboratory and at La Jolla, but that I will also call this to Carl Helmholz's attention. They also support the training of graduate students in plasma physics and I said that I will call this to Helmholz's attention.

From 3:30 p.m. until 4:30 p.m I held my Student Office Hour. Harriet Aune called to my attention that she has been turned down by the College of Letters & Science for her petition to graduate even though she is short only one unit and I made an appointment for her to see Milton Chernin to discuss this.

Marcia O'Neill and Charles Lucas came in together and invited me to attend Cal 1A and a session at Asilomar. I told them that my schedule is tight but that they might indicate in the notices of their meeting that "The Chancellor may be able to join us."

Daniel DeLao presented a very worthwhile hardship case with a problem of a missing unit in language keeping him from graduating. I asked Alex Sherriffs and Milton Chernin to follow up on this and also will ask Lincoln Constance to look into it.

Judy Long was inspired by the M'Boya talk and suggested we look into possibilities for scholarships for Africans in Business Administration and I referred this to Jim Hart.

Benning Cook was concerned that the Unitarian Church building would be torn down and I reassured him that it would not.

Bill and Sue Stricklin discussed two amendments to the ASUC Constitution that they would like to put on the ballot after my approval for student vote. They also wanted a clarification of the role of the IAAB and I indicated that this Board should be primarily advisory to the Chancellor.

During the day I read a number of memoranda and letters. One from George Link (President of the Sophomore Class) thanked me for presenting to him the University banner and my kind words at the recent Men's Executive Board-Women's Executive Board luncheon. This was in recognition of his work with the sophomores in making the Intercollegiate Ball and Sophomore Week a success.

A letter from Sandy Elberg recommends that when the Kappa Sigma house is vacated by July 1st, this space be allocated to the School of Optometry for part of the research on physiological optics by Elwin Marg and to the Survey Research Center under Charles Glock for housing part of his computer services. He also asked me to try to find money, amounting to a total of $10,000, to finance these moves.

A memorandum from Clark Kerr, addressed to chairmen of departments and administrative officers, defines the conditions under which retiring faculty may be temporarily re-appointed on a full-time basis at a salary rate designated by the President and with retirement contributions to be made to the state system at the rate in effect prior to the retirement with annuity payments suspended for the period of reappointment.

W. W. Crocker wrote to thank me for my letter of over three months ago in which I described the accomplishments of people working in the Crocker Laboratory, a laboratory built with funds donated by him.

Bert Levitt (State Director of Finance) thanked me for the copy of Elements of the Universe that I sent to him and his wife, Thelma, and complimented me upon the book.

A memorandum from Harry Wellman to the other University Vice Presidents--Corley, Cunningham, McCaffrey and Underhill--and Budget Officer Groff indicates that the move of the President's entire administrative staff to the sixth and seventh floors of their new building on Oxford Street will take place some time after the middle of June.

A letter from P. R. Shlemon (Argonne National Laboratory) enclosed four copies of a supplemental agreement extending the effective term of my consultant contract with the Laboratory from July 1, 1959 through June 30, 1960; I immediately executed three copies and asked Anna Carol to forward them to Argonne.

I read a memorandum dated May 1st from Alex Sherriffs to Clark Kerr, recommending, on the basis of a graduate student poll, that the graduate

students be separated from the present ASUC government organization and that they pay a fee of $2.75 per semester for the Daily Californian and to help with building expenses in the Student Union, student store and so forth.

A memorandum from Errol Mauchlan, also dated May 1st, complains about the manner in which Carl Helmholz rejects graduate students in the Department of Physics; it looks like this is a pressure play in order to get an increase in his 1960-61 budget.

This evening at 8:30 p.m. Helen and I attended the wedding of Margaret Lawrence, daughter of Ernest and Molly Lawrence, to Derek Cook Casaday at the All Souls Church (corner of Spruce and Cedar). Following the wedding we attended a wedding reception at the Claremont Country Club.

Wednesday, May 6, 1959

Today I drove directly to the Radiation Laboratory to attend the meeting of the Associate Directors in Director Ed McMillan's office.

After this I drove to the campus and went to my Chancellor's Office where I met with Hugh Loweth (Bureau of the Budget of the White House staff) together with Nello Pace. Loweth had met this morning with Bill Fretter in his office, Leo Brewer in his Chemistry Department office, and will meet with Melvin Calvin later this morning and have lunch at the Faculty Club with a group hosted by Pace and including Sandy Elberg. After lunch he will make a tour of the Radiation Laboratory under the guidance of Harold Fidler. We discussed science education in general and some of the programs on the Berkeley campus in which he might have interest as a member of the Bureau of the Budget.

Then at 11:45 a.m. I had an appointment with Gunnar V. Jarring (Ambassador of Sweden to the United States) along with San Francisco Consul General Manne Lindholm, Eric Bellquist, and Götrik Janzen (a photographer and an aide to the Ambassador). This was a short social visit and we indulged in general conversation. He invited me to drop in at the Swedish Embassy during one of my visits to Washington, D.C. He was scheduled to give a talk this noon in Room 145 Dwinelle Hall on "Aspects of Swedish Foreign Policy". This is his first extensive trip since becoming the Swedish Ambassador in Washington and his appearance on the campus is his first while in the Bay Area. Bellquist will host a luncheon for him following his lecture.

Beginning at 12:15 p.m. I presided over a meeting of the Chancellor's Advisory Administrative Council in the Chancellor's Conference Room (Room 3335D Dwinelle Hall). Present were members R. G. Bressler, M. Chernin, D. Coney, J. P. Danton, J. D. Hart, M. T. Morris, N. M. Mundell, M. P. O'Brien, W. L. Prosser, A. C. Sherriffs, C. E. Smith, T. B. Steel, E. W. Strong, H. J. Vaux, O. W. Wilson and W. W. Wurster. Also attending were J. W. Cowee for E. T. Grether, F. Tregea for R. Kerley, Paul Taylor (Chairman of the Institute for International Studies), Otto Struve (Chairman of the Department of Astronomy), and Mary Haas (Chairman of the Department of Linguistics).

I described my recent trip to Washington and told them about my meeting with Vice President Richard Nixon and the items we discussed, emphasizing the case I made against the National Defense Education Act's disclaimer oath provision and for the desirability of its repeal. I also told them about my visit to Hagerstown to witness the highly successful television program in operation

there.

I told them about President Kerr's plans to send letters of welcome to all new appointees at the tenure level and letters of congratulation to all continuing appointees upon their promotion to associate professor and to professor. I requested that the deans continue to send letters to new instructors, assistant professors and new lecturers, adding, if they so desire, some such phrase as "The Chancellor joins me in...".

I described the proposal for the appointment of an Academic Senate Committee on Athletic Policy.

Drafts were distributed of a proposed memorandum to Kerr concerning the status of the "Connick Report" on non-tenure appointments and a proposed memorandum to be sent to appointment and promotion committees and department chairmen with a request for comments on the drafts. I also mentioned problems raised in calculating workload with respect to postdoctoral fellows and said the Academic Advisory Committee is conducting a survey on this.

Alex Sherriffs gave a detailed report on student affairs during the past year, including announcing that a faculty committee has been asked to recommend someone to take the position of Foreign Student Advisor to be housed in the office of the Dean of Students and that Allen Blaisdell (Director of International House) will be the University's "Foreign Exchange Officer".

He also mentioned the ASUC survey which showed that graduate students are overwhelmingly in favor of a separation from the undergraduate student government.

Paul Taylor then reported on his trip last year to Asia.

After the CAAC meeting I returned to my office for a while and then soon returned to the Chancellor's Conference Room to attend a meeting of the Academic Advisory Committee beginning at 3:15 p.m. Present were members R. G. Bressler, S. Elberg, W. E. Farnham, J. D. Hart, A. E. Hutson, C. W. Jones, M. Moonitz and E. W. Strong.

I once again described the status of the "Connick Report" on non-tenure faculty appointments and we considered the draft memorandum to Kerr, seeking approval to issue for interim guidance and use pending a presidential resolution of the matter, statements based on appropriate sections of the "Connick Report" as amended by the Educational Policy Committee of the Academic Senate (Northern Section) to faculty appointment and promotion committees and to department chairmen.

We also considered a draft memorandum to Kerr, requesting clarification of regential policy in regard to equalizing faculty-student ratios at Berkeley and Los Angeles, asking confirmation of our understanding that such policy does not imply that the distinction attained by the Berkeley campus is to be diminished in relation to other institutions of highest excellence.

We also reviewed a list of questions provided by Sandy Elberg to be used as a basis for a spot-check of the situation in respect to the question of faculty workload in respect to postdoctoral fellows.

The committee reviewed progress in intercollegiate athletic policy and discussed the articles of the Athletic Association of Western Universities, cautioning that under Article IV, it is felt that care should be taken in Berkeley not to create differential support between athletes. The meeting adjourned at 4:35 p.m.

During the day I signed a number of letters. In a letter to President Kerr I recommended that he approve and submit to the Regents my recommendation for the appointment of Arleigh T. Williams as Associate Dean of Students and Dean of Men, effective July 1, 1959, at a salary of $11,500. This follows the recommendation of my Advisory Committee Concerning the Dean of Men and the Foreign Student Advisor, consisting of Austin H. MacCormick (Chairman), Eric C. Bellquist, William B. Fretter, Varden Fuller, Sanford A. Mosk and William F. Shepard.

In another memorandum to Kerr I endorsed Dean Ryerson's recommendation that the name of the Berkeley section of the Department of Food Technology be changed to Department of Food Science and Technology, indicating that George R. Stewart has been named as Chairman of the combined departments.

In a letter to Dean O. W. Wilson (School of Criminology) I indicated that I shall recommend the appointment of Austin H. MacCormick as Acting Dean of the School of Criminology during his absence on leave.

I outlined the changes that are being made in the general catalogue, on the basis of materials that have been sent to the Committee on the General Catalogue, in a memorandum addressed to deans of colleges and schools.

I wrote Charles Jelavich (Chairman of the Executive Committee of the Center for Slavic Studies) approving the change of the title of his center to "Center for Slavic and East European Studies".

In a letter to Sidney M. Ehrman I request that he approve the expenditure of $1500 from the Ehrman Fund for the purchase of films of German Foreign Ministry documents needed for the promotion of research in modern European history under the leadership of Raymond J. Sontag.

A memorandum from Bill Keeler (Chairman of the Intercollegiate Athletic Advisory Board) requests that I attend their meeting on June 8th to clarify the apparently changed relationship of the Board to the athletic program of this campus. I think they are worried about the role of the Intercollegiate Athletic Advisory Council, chaired by Tom Cunningham.

I read the minutes of the meeting of the Intercollegiate Athletic Advisory Board held on Monday night. The Board approved a recommendation by Engelhard that the salaries of basketball coaches Pete Newell and Rene Herrerias be increased to the extent of $500 per year, to $11,500 and $7,500 respectively. The Board also noted with approval the proposed employment of a head coach for Crew, to succeed Coach Ebright, and an adjustment of other crew salaries to bring the total expenditure within the budgeted sum of $20,800.

A memo from Jim Hart suggests that a committee be appointed--perhaps consisting of Donald Coney, Mark Schorer and Henry Nash Smith--to study the matter of creation of an institute of the humanities on the Berkeley campus. I noted on this memorandum "Let's make the acquiring of such an institute a definite Berkeley objective" and suggested that he appoint the committee which would report to him and study means of meeting this objective.

During dinner Helen told me that she took Pete to visit our orthodontist, Dr. George Redmond, yesterday morning and Eric to visit our pediatrician, Dr. Percy Jennings, this morning. Eric, who is now four and a half years old, is 45 1/4 inches tall and weighs 44 3/4 pounds--just short of a pound per inch! Today she went to Happy Valley School to register Eric for kindergarten, which he will start there next fall.

Thursday, May 7, 1959

This morning I wrote a "Dear Dick" letter to the Richard M. Nixon, Vice President of the United States, enclosing a copy of my book Elements of the Universe and referring him to the sections that give a history of the Periodic Table and Mendeleev's historic use of it in predicting the properties of undiscovered elements and that which describes the discovery of mendelevium, which depended upon predictions of chemical properties using Mendeleev's table. I also suggest that he might want to have some familiarity with the naming of the element with the atomic number 101 "mendelevium" by the American discoverers at the University of California, because this has made a particularly big hit in Russia since Dimitri Mendeleev is the main discoverer of the very important concept of the Periodic Table of the elements.

A letter to Clark Kerr passes on the expression of concern about the development of the Berkeley campus in relation to the Los Angeles campus discussed at the meeting of the Academic Advisory Council yesterday.

Bill Fretter wrote a memo outlining the procedure on our proposal to NASA for support of the Space Sciences Laboratory on a three year program at $250,000, $350,000 and $500,000 per year.

At 11:15 a.m. I called Conrad A. Elvehjem (President of the University of Wisconsin and a biochemist friend of mine) to discuss the Rose Bowl situation. I began the discussion by talking about the Rose Bowl generally. He told me that the faculty had voted against it--had always voted against it. He maintains that it was Northwestern and Ohio State that made the difference. He said George Young (the faculty representative and also Dean of the Law School), is now in favor of Rose Bowl participation, but will probably have to follow the faculty decision. There has been a lot of talk about one abstention, thus breaking the 5-5 tie; if so, the vote would be 5-4 in favor--but Elvehjem didn't know how this idea is coming out. I asked him to consider persuading the Big Ten to postpone a decision and he said he would talk with Young about this, but doubts it could be postponed more than two months. He asked me about the salary situation here and I told him we would probably get a 5% increase although we asked for 10%. He said that at the University of Wisconsin there will probably be a 4% increase, whereas they were hoping for 8%.

At 11:30 a.m. I left with a University driver to drive to the Pacific Union Club in San Francisco to talk at a luncheon arranged by Regents Howard Naffziger and Jerd Sullivan. They are hoping to initiate a citizens' committee in order to interest them in the University and promote an understanding of what it is doing and hopes to do.

The luncheon was attended by Clark Beiss, Paul Davies, Sidney Ehrman, Walter A. Haas, Jr., Prentis C. Hale, E. C. Lipman, Loyal McLaren, Marshall Madison, Cyril Magnin, Robert A. Magowan, William W. Mein, Jr., Robert Watt Miller, George Montgomery, Joseph A. Moore, Jr., Howard Naffziger, D. J. Russell, Porter Sesnon, Mortimer Smith, Jerd Sullivan, Mark Sullivan, Charles L. Tilden, Jr., Grover Turnbow, Fred Whitman, Brayton Wilbur, Jean C. Witter, Dave Peebles and Don Denman. After lunch I gave a 20-minute extemporaneous talk on "The Nuclear Age", followed by a short question and answer session. The talk was very well received.

Soon after I returned to my office, at 2:30 p.m. I had a meeting with Bill Shepard (Chairman of the Committee for the Selection of Student Speakers) to discuss the selection of student speakers for commencement exercises, etc. On the basis of his recommendations, I wrote to William R. Petrocelli and Sue Ann Diamond, inviting them to speak for the students at the commencement exercises on June 11th, and to Richard G. D. King and Sue Trees Stricklin, inviting them to speak as representatives of the Senior Class at the Farewell University Meeting to be held on Thursday, May 21st, at noontime in Faculty Glade.

At 2:45 p.m. I received a call from Charles McWhorter of Vice President Nixon's office. He says that in order to initiate the request for waiver of the requirement that Torbjorn Sikkeland and Cyril Birch return to their countries, it is necessary that a memorandum be submitted by each individual indicating his circumstances and the reasons for the request. These should be addressed to Secretary Arthur S. Flemming (HEW). Once cleared there, the request would go to the Department of State and then to the Attorney General for approval, which should satisfy the requirements for administrative decision. McWhorter added that the request should be kept out of the Immigration Office, as their regulations are that once a request has been submitted and turned down, the visitor status is cancelled and the individual has to return to his home country within 30 days. Maribel Montgomery had provided me with a memo on this subject. I added to it a note that I would like Denzel Carr (Chairman of the Department of Oriental Languages) and Iz Perlman (UCRL) to prepare statements that I can send to Nixon and McWhorter.

Then I met in my office with Dan Wilkes and Kitty Malloy to discuss Dan's status and the need for more support preparatory to my meeting with Clark Kerr.

Immediately after this, I walked to Sproul Hall for a 3:15 p.m. meeting with Kerr in his office. We discussed a total of 26 items.

Kerr approved the Cal Reporter for issuance on the campus, provided it is under similar auspices as, for example, the Pelican or the Cal Engineer magazines.

I informed him about the availability of Dollar Ranch and that I am going to look at it on Friday, but Clark said this will probably not do any good. I gave him my argument for satellite campuses to prevent the fall in distinction of the University of California as we create other campuses, but he said he does not agree and that we are not going in the direction of satellite campuses.

I briefed him on my meeting with Vice President Nixon.

I told him about Ed Teller's interest in a satellite campus and an Institute of Applied Science at Livermore and Kerr indicated that he is taking this seriously and that it could be a big thing.

Kerr reported on his recent meeting with Sterling of Stanford. He said that Sterling continues to be angry with Sproul and Ray Allen and also with the University of California competing with private colleges for funds. He said Stanford might come into the AAWU if we eliminate the veto provision in the articles of the AAWU. Kerr asked me to watch the "need" issue especially and that we should continue to define "need" by saying that if a person works the specified 250 hours, he is in "need".

I informed him of my recent conversation with Glen King of the Nutrition Foundation and described to him how the $2 million a year for three years from overhead that will go to the Lawrence Memorial should be handled in order not to get in trouble with the General Accounting Office.

I told him about our idea for an Institute for the Humanities and he approved, providing we use outside funds, expressing scepticism on how we would make out.

I informed him of Ed Teller's remarks on the sea water conversion project.

I told him about the lunch I had at the Pacific Union Club sponsored by Regents Naffziger and Sullivan today and the hope expressed that this would be the first of a series. I mentioned that Naffziger implied at the luncheon that the University would support such luncheons, but Kerr indicated that he does not know of any funds available for this purpose.

Regarding Dan Wilkes, Kerr said that Maynard Morris will take on other responsibilities and asked if Wilkes could act as Berkeley Public Information Officer and handle odd duties for the statewide administration (such as covering Regents Meetings in the North and statewide press releases) for which he might get a little extra stipend, such as $1,000. He could keep his title "Assistant to the Chancellor" and I indicated my approval.

Kerr brought up the matter of Stull's space in Warren Hall, saying he would like to have Stull stay there until the staffing pattern is worked out and then move to the statewide office building; I expressed my approval.

Kerr asked me to indicate to Aaron Gordon that Bill Bowen (Princeton University) is one of the brightest young men in labor economics and that he is interested in the possibility of bringing him to Berkeley.

Kerr said he saw Elmer Skinner (San Francisco School Board) yesterday and they want the presidents of Stanford and the University of California to advise them. Each school is to furnish four faculty members- Berkeley in the fields of math, economics and physical sciences; and Stanford in the fields of English, math, biological sciences and history. They will paid $75 a day and expenses and will each have a full-time research assistant. The project should last about ten days this summer.

Among the memoranda I read during the day and evening were the following. A memorandum informed me that Dean Katharine Towle called, reporting a case of typhoid fever--a hasher in the Theta house who probably caught it in Mexico. Although 73 girls and the housemother have been exposed, Dr. Hawk of Cowell Hospital does not feel that the risk is great. Dan Wilkes will handle the

newspaper inquiries on this.

Letters from Sandy Elberg, indicating my concurrence, went to the following people asking them to serve on committees: for the Subcommittee on the Physics Building, to Bill Nierenberg (Chairman) and A. C. Helmholz, M. Tinkham, H. E. White, and M. A. Ruderman; and for the Library Building Space Subcommittee, to M. A. Milczewski (Chairman), W. J. Fischel, and T. C. Blaisdell.

A memorandum from Milt Chernin covers an interview he had with Tom Cunningham regarding my suggestion that a "free speech area" be created at Sather Gate by ceding a block of property to the City of Berkeley. He said that Cunningham indicated that he will try to get an answer for us as soon as possible. I wrote on the memo to go back to Chernin that I have also discussed this with Cunningham.

When I came home Helen told me that she took Lynne to our orthodontist, Dr. George Redmond, in the morning and then attended a meeting of the Key Committee Hostess Group at Kay Kerr's. She then met with the people at University House to get a progress report on the renovations.

Thursday, May 8, 1959

Today I sent memoranda to Clark Kerr, attaching and explaining a proposal to the National Science Foundation for a construction grant in support of the new Photosynthesis Laboratory to house the Bio-organic Chemistry Group under the direction of Melvin Calvin, and also the proposal, as part of a joint proposal of the Departments of Political Science at UCLA and Berkeley, to the Falk Foundation for support of an American Government and Politics Project.

I sent letters appointing the following to a 1959-60 Advisory Committee of the Institute of Human Development: David H. Russell (Chairman), Frank A. Beach, Reinhard Bendix, Kingsley Davis, Margaret S. Gordon, Daniel Mazia, Nello Pace, George H. Schade, Alexander Simon, and also Edward S. Rogers, ex officio.

I sent Hal Norton a letter to Alice G. Hoyt (Associate Dean of Women, Emerita) to give to her at the banquet in her honor to be given by the alumni at the banquet of the Students Cooperative Association.

At 10:30 a.m. I met in the Chancellor's Conference Room with a group of four Japanese officials, who are visiting the United States under the auspices of the Navy, and their escorts, to extend them my welcome. The purpose of their visit is to consider the relationships between the government and the University on matters concerning research and to acquire some knowledge of the administrative problems which are involved in such a relationship. The four Japanese were Wataru Shigekawa, Major General Sugeo Harada, Rear Admiral Koichi Yahata, and Asaichiro Ozawa. They were accompanied by Lieutenant Commander David S. Huggins (U.S. Navy), Captain E. B. Hurlburt (The Commandant, Twelfth Naval District), Robert M. Fincher (Office of Naval Research in San Francisco), Elmer G. Keith (Office of Naval Research on the Berkeley campus) and Dr. Freeman H. Quimby (Chief Scientist in the Office of Naval Research in San Francisco).

At 11 am. I held my meeting with Lincoln Constance. I approved the recommendation that Giacomo Devoto (University of Florence) be appointed Visiting Professor, Chair of Italian Culture, for the Spring of 1960 at a

salary of $5,000 plus $1,000 for travel.

By reading from a letter from Kerr, I told Constance that the Heller (anonymous) Fund should be used for "true enrichment" of the departmental programs and not for routine expenditures.

Referring to the letter of May 1st from Henry Nash Smith (Chairman of the Department of English), I approved both giving Mark Schorer a leave without salary for fall 1959 to complete his book on Sinclair Lewis and the post-retirement appointment of Willard Farnham to replace him.

I referred to him the case of Daniel DeLao, Chemistry major, who is short one unit and cannot afford to go to summer school or another semester, and he said that he will look into the matter and probably talk to the student.

Constance left with me a letter from Esmond Snell, asking for a final amalgamation of Agricultural Chemistry with the Department of Biochemistry.

Beginning at 12:10 p.m. I presided over a student-faculty forum in Faculty Glade. In my introductory remarks I said that this is the first University Affairs Forum and that I hope that regular "town meetings" of this type will be held at which "topics of the month" could be given an airing. I said that we have suggested as the first topic of the month "Universal Versus Voluntary ASUC".

I then called on Milt Chernin who spoke on the history of universal ASUC, student Maria Mothershead (who spoke in favor of the universal ASUC), student Bill Thompson (who spoke in favor of voluntary ASUC), student Mike Marston (who spoke in favor of universal ASUC) and student Gail Weiner (who spoke in favor of voluntary ASUC).

This was followed by a period of audience participation with Professor Mark Rosenzweig and Sue Dunlap of the Student Affairs Committee (which is sponsoring the forum) manning the microphones. The forum came to an end at about 1:10 p.m.

During the forum I talked to Greg Engelhard and warned him of the importance of his wholehearted efforts to convince alumni to back any forthcoming decision on the Weiner case. (This is the Southern Californian alumnus whose over-zealous athletic recruiting we are finding it necessary to abate.) I told him a decision should be forthcoming by mid-June and that I would like to see him on Monday, June 22nd, with the hope of telling him something definite, at which time he should be immediately ready to do his missionary work among the alumni in Los Angeles. At 1:45 p.m. I called Tom Cunningham to tell him about my conversation with Engelhard.

I met with Frank Beach at 2 p.m. in my office to discuss with him his ideas concerning the Field Station for Behavioral Research, which he hopes to establish on or near the Berkeley campus.

At 4 p.m. I left to meet with Ollie Meek, Jr., along with Bill Moynihan, at the Dollar (Tice) Ranch property out just beyond Walnut Creek. Meek is the real estate manager for Dollar Enterprises. The ranch consists of about 2,000 acres, of which 1,000 acres are flat. The asking price is $5 million but it would probably go for $4 million to the University of California. I am interested in this as a possible site for a satellite campus to Berkeley.

During the day and evening at home I read a number of memoranda. A memorandum from Milton Chernin urges that I sign letters of appointment to the new Chancellor's Advisory Committee on the Strawberry Canyon Recreational Area as soon as possible. The suggested membership is James L. Meriam (Engineering), Chairman, Mrs. James Hart (Women's Section Club), Carl Nordly (Physical Education), Mrs. Morris Stewart (Dames Club), Thomas Yukie (Secretary to the Committee), Arleigh Williams (Dean of Students Office), Mrs. Margaret Manson (stenographic pool, non-faculty employee), Walter Haas, Jr., Robert Kerley (Business Manager) and Milton Chernin (representative of the Chancellor's Office).

I read a press release (announced by Acting Commissioner Bernard Hammerbeck) saying that the 1959 Spring meeting of the Pacific Coast Conference will convene Saturday evening, May 23rd, in Seattle with the principal order of business being to complete arrangements incidental to the dissolution of the Conference scheduled for June 30, 1959.

A letter from Bob Karplus (Physics) suggests that I appoint an administrative committee on elementary school science in order that we might ask for a grant from the National Science Foundation to support a "Study of Course Content Improvement in Elementary School Science". The committee might consist of Karplus (Chairman), Leo Brewer, Arthur Pardee and Lloyd Scott.

A letter from Lieutenant Governor Glenn M. Anderson thanks me for the copy of my letter concerning educational television in California and assures me of his support for this objective.

Cecil Parker (Director of the Field Service Center) wrote to request permission to add two more special consultants to the Field Service Center--namely, Martin Trow (Assistant Professor of Education and Assistant Research Sociologist at the Center for the Study of Higher Education), and Burton R. Clark (Associate Research Sociologist at the Center for the Study of Higher Education).

A memo from Harry Wellman informed me that he has contacted UCLA Acting Chancellor Vern Knudsen in regard to securing the services of Professor Jan Popper at Berkeley for the year 1959-60 and indicates that Knudsen agrees, providing they are successful in obtaining suitable arrangements to carry on their program in the Opera Workshop at UCLA during the next year.

At dinner tonight Helen told me that she took Lynne and David to Dr. Percy Jennings, our pediatrician, for their check-up this afternoon and he found them in good shape.

Saturday, May 9, 1959

I spent the day at home with the family. Then in the evening we went for cocktails at the Bill Nierenbergs' at their home (1 Tamalpais Road) and after this, we attended the inaugural ball in my honor as Chancellor given by the Section Clubs at the Strawberry Canyon Recreational Area.

Sunday, May 10, 1959

Today I spent at home with my family, catching up on reading the scientific literature and various papers and playing with the kids.

Monday, May 11, 1959

This morning I went directly to the Radiation Laboratory where I conferred with my graduate students, Glen Gordon, Vic Viola and Marshall Blann. I then attended the regular Monday luncheon meeting of the Chemistry Division Senior Staff in Perlman's office.

After lunch I drove down to my Chancellor's Office in Dwinelle Hall. I signed a letter to Ronald N. Walpole (French) asking him to serve as a member of the Chancellor's Special Study Committee Concerning Criteria of Eleven-Month Academic Appointments, adding that Ted Vermeulen (Chemistry) is being asked to serve as Chairman and that the other members being appointed are Frank Kidner, E. A. Adelberg and Curt Stern.

Another letter went to Dr. Margaret G. Zeff of Cowell Hospital, asking her to have a staff study made of the possibility of developing an emergency physician service on a 24-hour basis for medical care outside Cowell Hospital.

I read a letter from Charles K. McWhorter (Legislative Assistant to Vice President Nixon) giving us guidance on how to prepare the request to the Department of Health, Education and Welfare for waiver of the two-year foreign residence requirements under the provisions of Public Law 555. This relates to Torbjorn Sikkeland in the Radiation Laboratory and Cyril Birch of the Department of Oriental Languages.

At a little after 3 p.m. I dropped in on the meeting of the Faculty Research Lecture Committee in the Chancellor's Conference Room.

Beginning at 4 p.m. I attended the meeting of the Committee on Non-Faculty Research Personnel in the Chancellor's Conference Room under the chairmanship of Ed McMillan. Also present were committee members Ray Bressler, James Hart, W. N. Kennedy, S. A. Mosk, Wendell Stanley, David H. Templeton, and William Fretter, who serves as secretary. We discussed the possible greater use of split faculty appointments to enable more research people to have regular staff positions or the possibility of creating additional tenure positions using non-tenure commitments to underwrite the tenure positions. I emphasized that my original purpose in setting up the committee was to seek ways to give more appropriate status to valuable permanent members of laboratory staffs. The meeting adjourned at 5:30 p.m.

When I arrived home Helen told me that she attended a meeting of the mothers of Dave's Cub Scout den at the home of our neighbor, Phyllis Fisher, who is serving as the den mother. She took Lynne to a 1:45 p.m. appointment with Dr. George Redmond, our orthodontist, in Walnut Creek. In the afternoon Dave attended a Cub Scout meeting at the Fishers, for which Helen furnished the refreshments.

During the evening in the study I read a number of papers from my Chancellor's Office. A two page memorandum by Maribel Montgomery summarizes the background for the establishment of the College of Environmental Design, which will go to

the Regents for approval at their meeting in La Jolla on Thursday and Friday. The memorandum states that the proposal has the strong support of all the faculties involved and has been reviewed and approved by all the necessary committees.

A memorandum by Dean K. A. Ryerson of the College of Agriculture makes the following recommendations for chairmen of the departments in the College on the Berkeley campus: Department of Genetics, I. Michael Lerner; Department of Landscape Architecture, R. Burton Litton, Jr. until the end of the year and then H. Leland Vaughan (covering the period until this department is transferred out of the College of Agriculture and into the new College of Environmental Design); Department of Nutrition and Home Economics, Ruth Okey (until a successor is named). In addition he nominates the following vice chairmen for 1959-60 to function only for the Berkeley Section of the College of Agriculture: Department of Agricultural Biochemistry, H. A. Barker; Department of Plant Pathology, W. C. Snyder; Department of Soils and Plant Nutrition, T. C. Broyer.

A memorandum from Frank W. Miller (Assistant Business Manager) attaches and summarizes the application to the National Science Foundation for $1,255,000 to cover the cost of planning and construction of a new Photosynthesis Building in Strawberry Canyon to house the research program of Melvin Calvin.

An important memorandum from Tom Cunningham responds to my request for advice regarding my proposal to establish a "free speech area" at the intersection of Telegraph and Bancroft, in which the activities carried on for many years at Sather Gate could be continued. Tom indicates that the question of granting University property to the City of Berkeley would appear to be essentially policy in nature and that he sees no objection from a purely legal standpoint to such a grant. He suggests, however, that the conveyance contain a reservation of a reversionary interest in said property to the Regents in the event that the City of Berkeley ever were to use the property for a purpose other than that of the proposed speakers area.

A memorandum from Alex Sherriffs to Clark Kerr urges him to get on with the decision on the question of whether graduate students should be separated from the ASUC into their own organization.

The University Bulletin, which was issued with today's date, has a number of interesting items. There are now 2339 foreign students enrolled on the UC campuses, of which 1336 are enrolled at Berkeley. Two new members of the Berkeley faculty have been elected to membership in the National Academy of Sciences- Leo Brewer (Chemistry) and I. Michael Lerner (Professor of Poultry Husbandry and Chairman of the Genetics Department). Richard E. Powell, Professor of Chemistry, has been selected to receive a College of Chemistry Medal of the Manufacturing Chemists Association.

Tuesday, May 12, 1959

I spent the entire day in my Chancellor's Office in Dwinelle Hall. During the day I signed a number of letters. I responded immediately to Charles McWhorter's letter of yesterday, sending him letters from Torbjorn Sikkeland and Cyril Birch applying for a waiver of the two year foreign residence requirement, to be forwarded by him to Secretary Fleming of the Department of Health, Education and Welfare for further action. I expressed my sincere appreciation to Vice President Nixon for his interest in these matters.

A letter to President Kerr requests his approval of the proposal by Frank Beach (Psychology) to lease at least ten acres of the Chaparral Hill Tract (at the point where Grizzly Peak Boulevard crosses the Contra Costa-Alameda county line) to be used by the proposed Field Station for Animal Behavioral Research, the creation of which principally depends upon the receipt of funds from the National Science Foundation.

In reply to his request of April 15th, I wrote Jack Oswald a memo suggesting names to fill the four vacancies in the membership of the Technical Advisory Council for the Forest Products Laboratory: Howard S. Gardner (Director of Research and Development, Fiberboard Products, Inc., Antioch, California), Warren A. Carleton (General Manager, Winton Lumber Company, Martell, California), Harry Chase (Assistant to the Vice President, Roddiscraft, Inc., Arcata, California), and S. A. Murphy (Executive Vice President, Pacific Lumber Company, Scotia, California).

In response to his request of March 31st, a letter to Weldon Vance (General Manager of the Berkeley Chamber of Commerce) gives the breakdown in income categories of the approximately 12,000 employees working on the Berkeley campus.

I also responded to a letter from Reverend Peter McCormack and declined his invitation to serve on a Commission on Inquiry into the Sobel case and suggested such names as Arthur C. Compton, Henry J. Kaiser and Judge Learned Hand as possible members of the commission.

At 11 a.m. I had an appointment in my office with Tom Pigford to try to convince him to accept the position as Chairman of our Department of Nuclear Engineering. He said that if he were to accept the position, he would like eight faculty members, distributed among Mechanical Engineering, Metallurgy, Electrical Engineering and materials work. I said that he could probably have those by 1960-61 or at the latest the next year, subject to review of the budget. He would like about 14 teaching assistants (about 7 FTE), which I said we could probably work out. He would also like four secretaries; I said this would be very doubtful.

He asked about space; I mentioned Office of Architects and Engineers support eventually but said it would be tight for awhile.

He wanted to know who the new dean will be and I answered that we don't know yet but that it will be a scientifically-minded person, as he would wish. He talked to Ken Pitzer this morning and will talk with Mike O'Brien this afternoon. It may be a joint appointment with Chemical Engineering and this is being discussed with both deans (who are both looking upon the appointment of Pigford very favorably, by the way). Pigford might accept the position even before the new dean is appointed (as he would want to have a hand in the selection of the staff). He may ask O'Brien to consult with him if appointments are made before Pigford takes the position. He understands that he will have Virgil Schrock and Lawrence Grossman in his department. Pigford agreed to write me "the whole story" after he has finished his conversations with people here on the campus.

At 11:30 a.m. I had a meeting with Bob Kerley and Louis DeMonte in my office to discuss our program of construction of parking structures utilizing the $1,630,000 loan that we have been advised that we are going to receive from

the federal government. One plan would level all of the ground between Residence Halls #1 and #2 for temporary surface parking, leading to the elimination of space for playing fields and tennis courts (which could mean the loss of state funds). I approved a plan that includes an underground structure between Residence Halls #1 and #2 and which places fields and courts on top of this area and which also includes some area for temporary surface parking.

Beginning at about noon I presided over a meeting of my cabinet in the Chancellor's Conference Room. Present were Chernin, Fretter, Malloy, Mauchlan, Sherriffs, Strong and Wilkes. In response to Verne Stadtman's request for suggestions for stories for next year's issues of California Monthly, we came up with the ideas of stories on superior students, University participation in NDEA and our student exchange program with the Soviet Union.

We discussed the report that I will make to the Regents on the recruitment of outstanding and promising young scholars, the agenda for the CCCO meeting (which will be held at La Jolla tomorrow evening) and the agenda for the Regents Meetings to be held there on Thursday and Friday.

Sherriffs reported that the Committee to recommend on a Foreign Student Advisor (Sherriffs, Blaisdell, Shepard, Hart, Kerley, Kragen and Elberg) has recommended that a new committee be formed to make a long term study. The budget for the Foreign Student Advisor calls for a salary of $9500 and for the Foreign Service Officer to be moved to the Dean of Students Office as of January 1960 at a salary of $5900 (part-time).

Strong informed us that ICA has selected Boston University for the sub-Saharan project, so both UCLA and Berkeley have lost out on this.

At 2 p.m. I had an interview in Room B33 Dwinelle Hall with David Ream of the "Golden Bear Review" on new trends in education, especially the use of educational television.

I returned to my office at a little after 2:15 p.m. and had a meeting, along with Ed Strong, with Lee Cronbach and Harold E. Jones (Institute of Human Development). Jones would like to recruit Cronbach to succeed him as Director of his Institute, but Cronbach will not be available until the academic year 1961-62, which is probably longer than we can wait. (Dr. Solomon will be on our campus in a few days and he may be a better choice in any case.)

From 3 p.m. until 4 p.m. I had my regular weekly meeting with Lincoln Constance. We discussed Reinhard Bendix's letter of April 28th concerning leaves, appointments and unfilled provisions in the Department of Sociology and Social Institutions and his letter of May 7th raising questions about the quality of some appointments and promotions in the Department of Political Science. I suggested we refer this problem to the Budget Committee.

I made the decision that Hubert Coffey (Associate Clinical Professor of Psychology) should be reappointed at the expiration of his probationary period without having to go through the review process.

Constance left with me two copies of the letter from Esmond Snell (Biochemistry) protesting the order from President Kerr that all UC staff fly only by air coach.

I told him to take up the question of sending University of California representatives to the TEPS Conference with Jim Hart, who will handle the matter for me. (The University is expected to pay the enrollment fees and travel expenses.)

With Ed Strong present, we discussed and I agreed to let stand the proposed appointment of Woodrow W. Borah as Acting Chairman of the Department of Speech for 1959-60 with the understanding that a) this is clearly a one year appointment; b)that there is no inference that Borah is to succeed ten Broek as regular chairman in 1961-62; and c) that Professor Chrétien's name is to be included in the poll to be held for regular chairman in the Spring 1961 . The department chairman is to be so informed of this.

At 4:15 p.m. I had an appointment with Paul Keim to discuss his program.

From 5 p.m. until 7:10 p.m. I attended a meeting of the Committee on Campus Planning in the Chancellor's Conference Room. Committee members Bill Wurster and I were present at the beginning and I served as Chairman until Chairman Don McLaughlin joined us later. Also in attendance were Vice Chancellor James D. Hart, Vice Chancellor Edward W. Strong, Louis A. DeMonte, Norman H. Dyer and A. R. Wagner, and for the first item--schematic plans for Barrows Hall--architects Aleck Wilson and Bruce Nehls.

After reviewing other possibilities, we approved the original design for Barrows Hall, namely, an eight-story structure with a height of approximately 90 feet from the plaza level to the cornice.

We approved plans for the addition to the Chemistry Building, the main characteristics of which are: the height of the building will be the same as that of the existing building with additional lower levels exposed on the south and west; the architectural design will be similar to that of the existing structure; the location will be southwest of and detached from the existing structure with the buildings connected by an overhead covered walkway and there will be a vehicular access and service center (west) end of the building.

We reluctantly approved a one-story temporary office building addition to the Lawrence Radiation Laboratory's Physics Building (Building 50) to be located immediately west and south of the Physics Building.

We requested the Office of Architects and Engineers to prepare a cost estimate of a new access road beginning near the entrance to the Botanical Gardens, connecting with a road from an east entrance to the Lawrence Radiation Laboratory and continuing generally northward and eastward to Grizzly Peak Boulevard.

We noted that the campus BCD Committee has recommended a land allocation in the Gill Tract of 33.2 acres for Agriculture, 44.5 acres for married student housing and the remaining six acres for general University use (storage and so forth). We reiterated our belief that a full architectural study should be conducted for the proposed married student housing project.

We requested the Office of Architects and Engineers to prepare a written report to President Kerr describing the UCB land use situation as fully as necessary, and suggested that consideration of the concept of a "satellite campus" be undertaken. We noted that the Berkeley campus consists now of

three areas, the main campus, the Gill Tract and the Richmond Field Station, and that other areas now owned include the Alameda properties, the Blake property and the Miller property, and that potential lands for acquisition include Chaparral Hill, the West Oakland site, the Mira Vista Country Club, the School for the Deaf and Blind, the Berkeley waterfront, Savo Island Village, San Pablo Reservoir, Steep Ravine, U. S. Maritime Academy, the Heinz property, the Hercules property, the U.S. Naval Hospital, the Punchbowl property, property in Tice Valley, Pinole #1 and Pinole #2 properties. Regent McLaughlin entered the meeting at this point.

The Committee endorsed the following three guiding principles in indicating names of campus buildings:

1) Lettering design should relate to the specific building and need not be uniform throughout the campus.

2) The building names should be brief (for the example, the surname only when the name of an individual is used).

3) When substantial public use is involved, the building function should be evident with the name on the building.

The Committee recommended that California Hall retain its original name for reasons of long association and tradition and that "University Hall" is an appropriate name for the statewide administration building.

When I arrived home for a late dinner Helen told me that she took Peter for a 9 a.m. appointment to Dr. George Redmond, our orthodontist, in Walnut Creek. She attended a meeting of the Board of the University YWCA in Berkeley at 10:15 a.m. and in the afternoon attended the last tea for the academic year for faculty wives from 3 p.m. until 5 p.m.

After dinner in the study I read a number of memoranda, including one from Clark Kerr to Alex Sherriffs saying that, in response to his memorandum of May 1st, he will be pleased to consider any specific proposals made by me for the separation of a graduate student operation from the ASUC and that when we make our recommendations, they should be accompanied by a recommendation concerning voluntary membership in ASUC as opposed to the present compulsory membership.

I also read a memorandum from Jack Oswald asking for recommendations for personnel for 1959-60 for the Alameda County Nurses Association Scholarships, Fellowships and Loans Committee; a memorandum from Vice Chancellor Hart summarizing the discussions held among President Kerr, me, Vice Chancellor Hart and Rector Alexandrov of the University of Leningrad in Berkeley on April 22nd and 24th and the terms of a possible exchange program between the University of Leningrad and the University of California, Berkeley; a letter from Arthur A. Ohnimus (Chief Clerk of the California State Assembly) calling attention to a bill adopted by the California Legislature on May 4, 1959, authorizing the University of California and the state colleges to extend to retired scientists an invitation to use the equipment and facilities of the University and state colleges; a memorandum from Donald Coney (in his role as Chairman of the Committee on Drama, Lectures and Music [DLM]) enclosing a memorandum from Eleanor Breed asking me to enforce the non-smoking rule in such places as lecture rooms 145 and 155 in Dwinelle Hall.

Patent #2,886,406, Recovery of Plutonium and Neptunium from Aqueous Solutions, was issued to R. C. Thompson and F. W. Albaugh and me today.

Wednesday, May 13, 1959- Berkeley- La Jolla

I went directly to my Chancellor's Office in Dwinelle Hall, skipping the meeting of the Radiation Laboratory Associate Directors this morning.

Among the letters I sent out today were the following: a letter to Regent Jerd F. Sullivan, Jr., enclosing a packet of materials on educational television for New York State and elsewhere (asking him to return them when he is finished with them); a letter to Bob Karplus (Physics) asking him to serve as Chairman of an Administrative Committee on Elementary School Science (letters also went to Leo Brewer, Arthur B. Pardee and Lloyd F. Scott, asking them to serve on the committee) and suggesting that they might request support from the Department of Health, Education and Welfare in the event they do not receive support from the National Science Foundation; and a letter to Arthur A. Ohnimus (Chief Clerk of the California Assembly) acknowledging my receipt of Assembly Concurrent Resolution #103, adopted by the California Legislature on May 4, 1959, suggesting that retired scientists be given access to the facilities of the University of California and the state colleges.

In preparation for the Regents Meetings in La Jolla tomorrow and Friday, I read a packet of materials from Jim Hart on the proposed exchange agreement between Leningrad University and the University of California at Berkeley. Kerr wishes to be sure that no formal application for funding is made to the Ford Foundation until the Regents have approved this exchange. The material also informs me of a proposed visit by Pro-Rector G. D. Vovchenko (a chemist) and E. M. Chekharin (a lawyer), neither of whom speaks any English, who may come to Berkeley at the end of this month to discuss an exchange agreement between the University of Moscow and the University of California at Berkeley.

A memorandum from Lionel O. Viales informs me that the dummy of the brochure for the Lawrence Hall of Science will not be ready for another two weeks because he has been required to work on budgetary problems and the proposal for the Inorganic Materials Laboratory and has not been able to give his attention to this. This continual delay of this matter is annoying and I will have to do something about it.

I left Dwinelle Hall in a University car at about 2 p.m. to drive to the San Francisco Airport, where I boarded United Airlines Flight #570 which left at about 3 p.m. and arrived at the Los Angeles Airport at about 4:45 p.m. I then boarded United Airlines Flight #141 which left the Los Angeles Airport at about 5:40 p.m. and arrived at the San Diego Airport at about 6:15 p.m. I took a taxi to the Hotel del Charro (2380 Torrey Pines Road) in La Jolla, where I checked in, and then went to the home of Roger and Ellen Revelle (7348 Vista Del Mar Lane) to attend a dinner meeting of the Council of Chief Campus Officers (CCCO).

The meeting lasted from 7:15 p.m. until 11:30 p.m. Clark Kerr informed us that handouts, or articles, will come from the President's Office possibly once a month or so on subjects of broad interest to the whole University for use in the various campus newspapers.

We also learned that Budget Committee reports are to be made available to all deans of colleges with several departments. The College of Engineering at Berkeley has not met this requirement in the past, but future operations will

determine if it does in the future. The College of Chemistry is not really in the multi-department category and, therefore, will continue to receive only a summary of the pertinent information as has been done in the past. We were told that this new system of making Budget Committee reports available to deans is subject to the agreement of the Budget Committee and, therefore, we should check with the committee before implementing the change. Ad hoc committee reports remain confidential.

Each campus should develop a policy on the naming of residence halls and submit a statement describing it to the President's Office (which should include such things as how the names are arrived at, i.e., who suggests them and how they are passed on).

We were informed that individual campuses will be members of the American Council on Education, but not the Association of Land Grant Colleges and not the American Association of Universities (which is limited to 40 members). We can talk with Jack Oswald to learn how Berkeley might go about joining the American Council on Education.

A discussion of who has authority to appoint academic personnel resulted in the decision that the Academic Council should make a study of the status of the Graduate Deans, including such duties as appointment of non-faculty research personnel.

We discussed ways of speeding up negotiations of contracts for support from foundations and the federal government. One suggestion was that the limit of $15,000 before it has to go before the Regents for approval might be raised. Corley's office will probably make a study of this problem and make a recommendation to the Regents on its remediation.

A discussion of relations with state colleges pointed out the problems created by paying premiums to take people from the state colleges and private colleges in California. We agreed that we should be more careful about this and that when we do find it necessary to pay premiums, we should inform Corley's office so he can keep track of what has been going on. This led into a discussion of negotiating above-scale salaries with prospective candidates and it was agreed that all above-scale salary negotiations should be cleared with the President's Office beforehand.

Because I will not be returning to my Chancellor's Office until a week from today, I gave my handwritten notes to Jack Oswald, who will bring them to Berkeley and give them to Kitty Malloy on Monday so that she can distribute the various items for more immediate action by members of my staff.

Thursday, May 14, 1959- La Jolla

Today I attended Regents Meetings at the Scripps Institution of Oceanography at La Jolla (the La Jolla campus of the University of California) in the Library-Auditorium.

First I attended the meeting of the Committee on Educational Policy, which began at 9:30 a.m. Present were committee members Regents Carter, Chandler, Boyd, Naffziger, Olson, Steinhart, Vaughn, Pauley, McLaughlin, and Kerr, and also Regents Canaday, Hagar, Sullivan, Storke and Watson, plus Secretary-Treasurer Underhill, General Counsel Cunningham, Vice President

Wellman, Vice President and Executive Assistant McCaffrey, Chancellors Freeborn, Seaborg and Spieth, Acting Chancellor Knudsen, Vice Chancellors Noble and Young, Provost Saunders, Dean Aldrich, Assistant Vice President Oswald, Acting Dean Kaplan, Professors Frank L. Kidner, E. L. Lazier and Edward Teller, Mr. Andrew J. Hamilton of the Office of Public Information and Mrs. Elizabeth O. Hansen.

The Committee went into executive session with Edward Teller joining us to discuss the question of establishing at Livermore a School or Institute of Applied Science. Kerr made the initial presentation of this idea and then Teller presented his ideas. He described the new post in modern applied science that Sir John Cockcroft has at Churchill College at Cambridge and said that this is the sort of thing he has in mind for Livermore. He suggested that such an institute would accomplish two important goals: training such scientists who are needed nationally and meeting Livermore's needs.

He described the incredible growth of Livermore over the seven years since it was established. There are now 3500 employees (about 500 have been added each year); however, the expansion of Livermore must slow down as per instructions. Livermore is very strong in the field of nuclear chemistry and in the investigation of materials at very high temperatures, as Berkeley is, also. More unique to Livermore are projects such as Sherwood (the investigation of exceedingly hot ion gases, which involves a large number of electrical engineers), work with high explosives in a refined way and Project Plowshare. He also emphasized various assets, such as their very sophisticated computing equipment and their reactors (including some which operate at exceedingly high temperatures).

Teller would like to build the institute up to a point of enrolling about 2,000 students, both graduate and undergraduate from the very beginning. They have considered the use of nearby Parks Air Force Base as a site for such an institute; however, they have not made any approaches about this yet. An advantage of the use of the air force base is the existence there of buildings which could be used right away.

Teller estimated the cost of such an undertaking over a six year period as $15 million for capital improvements (if we use Parks Air Force Base) and a budget of about $8 million. Regent Carter raised the question of outside support. Teller answered that support would probably come mainly from the State, but that some support from the federal government might be possible.

Regent Steinhart expressed the opinion that the timing on this couldn't be worse. He suggested that this should go into the Master Plan on Higher Education in California which we have been asked to formulate. Regents McLaughlin and Pauley said that they would rate this as one of the best proposals currently being considered by the University, although Pauley suggested that the cost would likely be four or five times what Teller has estimated. Teller said that if we don't use Parks Air Force Base, 300-400 acres (which are available at Livermore) would be adequate. We noted that exploration of this proposal has already been approved by the Committee.

Continuing in executive session the Committee on Educational Policy heard a report from Tom Cunningham on athletics. He handed out the confidential report and used it as a basis for the discussion, describing the dissolution of the PCC and our dilemma as to being an independent or joining the AAWU and talks with USC, the University of Washington, and Stanford.

He then went on to describe the background of the definition of need as demonstrated by working 250 hours, including a description of Stanford's participation in these discussions and the difficulties encountered in trying to get the AAWU to agree to Stanford's hashing program, and read the AAWU section on subsistence grants-in-aid. He offered two alternatives: 1) we might reaffirm the AAWU articles, or 2) we might impose another definition of need in addition to the 250 hours. Cunningham stated that the AAWU program is the most restrictive program in the country and that the northwest schools have gone for the "free ride" for athletes. He summarized the views of our athletic directors and mentioned some of the difficulties in scheduling and explaining basketball scheduling, requesting greater deviations in this scheduling.

Ed Pauley declared that in his opinion our athletic program is not feasible, that all our athletes get illegal aid. Carter said that he thinks the Regents should look to the President for recommendations on athletic policy, but should change the policy if necessary. Kerr responded that we have made minimum deviations from regential policy, that we are determined to enforce our policy, and that he will take responsibility to see that is done, that there isn't going to be an Airplane Conference (i.e., a national conference including distant eastern schools), and that he wants to seek a change in the provisions of the Articles of AAWU regarding vetoes. He was very adamant that we should stick with our scheduling list and the present definition of need and see how it all works out.

The Committee on Educational Policy then went into its regular open meeting. I reported on the impending Leningrad-Harvard-UC and Moscow-Columbia-UC exchange agreements and said that I will present a proposal to the June Regents Meeting on this. I shall report at the same time on the progress of Russian students, including their own reactions, on the Berkeley campus.

Kerr raised the question of whether appointments can go to the Regents in advance and this was approved; thus, this will be like other material that goes to Regents in advance.

The Committee voted, upon motion of President Kerr seconded by Regent Steinhart, to recommend to the Regents that upon service of the appropriate notice the standing orders be amended to provide for establishment of a College of Environmental Design on the Berkeley campus.

After lunch with the Regents and other attendees, I attended the meeting of the Committee on Buildings and Grounds in a special executive session. Regent Boyd discussed Orange County sites, especially the Irvine Ranch site for a new campus. He proposed a resolution giving us three years to exercise our option on 350 acres, the proffered gift of 650 acres to be contingent on the University exercising that option, with the understanding that other sites in Orange and Los Angeles counties will be investigated during the three year period. Regent Pauley voiced an objection to this proposal; he argued that there is no sizable population between the Irvine site and the La Jolla campus and that we should not be unduly influenced by the promise of the gift of the land because the great cost of bringing in roads, sewers, etc. should also be taken into consideration. Pauley prefers the La Mirada or East Anaheim sites. President Kerr favors the Boyd resolution combined with a downtown site in Los Angeles that would be tied in with the Extension Center. The Boyd resolution passed, with Pauley and Chandler abstaining.

At 6 p.m. I attended a reception for the attendees at the Regents Meeting at the home of Roger and Ellen Revelle and then at 7 p.m. I attended a presentation on the financing of higher education by Seymour Harris at a dinner meeting at the Beach and Tennis Club.

Friday, May 15, 1959- La Jolla- Los Angeles

This morning beginning at 9:30 a.m. I attended the meeting of the Regents Committee on Finance in the Library-Auditorium. Present were committee member Regents Hagar (Chairman), Boyd, Mosher, Steinhart, McLaughlin and Kerr, plus Regents Anderson, Canaday, Merchant, Naffziger, Sullivan, Vaughn and Watson, and also Mortimer Smith, Secretary-Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President- Medical and Health Sciences Stull, Vice President and Executive Assistant McCaffrey, Chancellors Freeborn, Spieth and I, Director Revelle, Acting Chancellor Knudsen, Vice Chancellor Noble, Dean Aldrich, Assistant Vice Presidents Miller and Oswald, Engineer Weaver, Architect Evans, Professor Frank L. Kidner, Andrew J. Hamilton of the Office of Public Information and Mrs. Elizabeth O. Hansen.

The Committee on Finance approved the Governor's recommendation for a 5% salary increase for both academic and non-academic employees. Kerr advised that the University had been requesting a 10% increase and that it had been hoped that at least a 7.5% increase would be approved. However, at the last minute the Governor's Office learned that UCLA had hired three professors from the Department of Mathematics at the University of Southern California at a premium of $2500 each and it was believed that this information made the Governor decide to approve only a 5% salary increase for the University. The President advised that the facts had been investigated and it was found these were not accurately portrayed to the Governor.

The Committee authorized Kerr to solicit a five year training and research grant from the Maurice and Laura Falk Foundation of Pittsburgh in the amount of $220,000 to support a program in American Government and Politics, Los Angeles and Berkeley, it being understood that there will be no University appropriation in direct support nor any solicitation of funds from political parties and further, that the program be administered within the applicable statutory limitations.

Kerr made a progress report on target figures for the 1960-61 University budget, saying that it is estimated that an increase of $9,362,558 will be required to maintain the present program and an additional $2 million will be required for proposed new and improved programs. He noted in particular the amount of $50,000 for the Space Sciences Laboratory on the Berkeley campus. Miller reported that pending the obtaining of exemption from the Atomic Energy Commission regarding the Regents financial responsibility in connection with the atomic reactor on the Berkeley campus for the College of Engineering, that an interim insurance arrangement has been made with the Nuclear Energy Liability Insurance Association.

I attended a luncheon meeting with Kerr, Knudsen, Freeborn and Wellman to discuss the University of California position to be taken at the meeting of the Joint Advisory Committee on Education. We decided that things like governing structure, the question of doctorates at the state colleges, and so forth, should be left out of our discussions. We will discuss the question of

diverting students to junior colleges. We decided that the final report of the Joint Advisory Committee concerning the Master Plan should be short (about 20 pages with appendices) and that Dean McHenry, Lloyd Morriset and Thomas C. Holy and maybe Murray Benedict might work on it. Kerr hopes that Glenn Dumke (President, San Francisco State) or Arnold E. Joyal (President, Fresno State College) will work on it from the state college side. The report should consider such things as admissions and finances, but shouldn't take responsibility for the Master Plan on Higher Education in California.

Starting at 2 p.m. I attended the full Meeting of the Board of Regents. Present were Regents Anderson, Boyd, Canaday, Hagar, Kerr, McLaughlin, Merchant, Mosher, Naffziger, Olson, Steinhart, Storke, Sullivan, Vaughn and Watson and Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Vice President-Executive Assistant McCaffrey, Vice President-Medical and Health Sciences Stull, Chancellors Freeborn, Spieth and I, Dean Aldrich, Acting Chancellor Knudsen, Vice Chancellor Noble, Director Revelle, Assistant Vice Presidents Miller and Oswald, Associate Counsel Landon, Director Wheelock, Director Tyndall, Acting Dean Kaplan, Professors Kidner and Lazier, J. W. Tippetts, Engineer Weaver, Mrs. Elizabeth O. Hansen, newspaper representatives and guests. Chairman McLaughlin presided.

A policy statement on Regents Professorships and Lectureships was adopted. The Chief Campus Officer shall appoint a special committee of faculty members to undertake the initial screening and solicitation of names and shall submit a list of recommended individuals to the Chief Campus Officer for his approval and for approval by the President. The President shall submit the list of names approved by him to the Regents and the list of names approved by the Regents shall be transmitted by the President to the Chief Campus Officer, who shall then be authorized to negotiate with and make commitments to any person on the approved list.

The Regents voted to designate the La Jolla site for the development of a new general campus of the University of California and to give the University statewide office building the official title "University Hall".

Of special interest to the Berkeley campus was authorization to establish a College of Environmental Design at Berkeley, approval to name the conference and seminar room in Kroeber Hall (Room 221) the "Edward W. Gifford Room" in honor of Professor Emeritus Edward Winslow Gifford, and appointment of Arleigh T. Williams to be Associate Dean of Students and Dean of Men effective July 1, 1959 at a salary of $11,500.

The Regents were informed that in response to a membership drive launched last October, 557 members of the California Alumni Association have become active or sustaining members of the Friends of Bancroft Library, bringing the total membership to over 1,000 and making the organization one of the largest of its kind in the nation.

I rode with others to the San Diego Airport, where I boarded Western Airlines Flight #209 which left at about 4:40 p.m. and arrived at Los Angeles Airport at about 5:20 p.m. I then took a taxi to the Westwood Manor Hotel (10527 Wilshire Boulevard), where I checked in.

After dinner I called Helen, who brought me up to date on her activities. She told me that on Wednesday she hosted the Chemistry Department tea at our home from 3 p.m. until 5 p.m., on Thursday she took Lynne for her appointment with

Dr. George Redmond (our orthodontist) in Walnut Creek in the morning, attended a book review session at our neighbor's, Ruth Sawyer's, in the afternoon, and took Pete to his dancing class in the evening. Last evening she took Dave, accompanied by the other kids, to the Cub Scout pack meeting at Stanley School.

Saturday, May 16, 1959- Los Angeles

This morning, beginning at 9 a.m., I attended the meeting of the Intercollegiate Athletic Advisory Council (IAAC) in the Regents Room of the Administration Building at UCLA, presided over by Tom Cunningham. We discussed the relations of Berkeley and UCLA with the new Athletic Association of Western Universities (AAWU) that is starting up on July 1st, including the sensitive matter of financial aid to athletes.

I then went to my mother's house at 9237 San Antonio Avenue in South Gate. I spent the afternoon with her. My sister Jeanette and her husband Ray joined us for dinner and I spent the night there.

Sunday, May 17, 1959- Los Angeles- Washington, D.C.

After breakfast with my mother, Jeanette and Ray drove me to the Los Angeles Airport, where I boarded American Airlines Flight #712, which left at about 10 a.m. and arrived at the Washington National Airport at about 8:30 p.m. On board the flight I talked to Nathan Snyder, who was formerly with the Berkeley Nuclear Engineering group; he offered his services as Dean of Engineering at Berkeley, but I explained the situation to him in terms of the committee report that is making recommendations for the deanship. He expressed a high opinion of John Whinnery and said he is strongly in favor of a scientific engineering program at Berkeley.

I took a taxi to the Statler Hilton Hotel (16th and K Streets), where I checked in to spend the night.

Monday, May 18, 1959- Washington, D.C.

I walked to the Executive Office Building after having breakfast in the Statler Hilton coffee shop, to attend in Room 220 the meeting of the President's Science Advisory Committee. The meeting, chaired by Jim Killian, began at 9:30 a.m. with an executive session. He told us that he is resigning as Chairman of PSAC and that George Kistiakowsky will probably take his place as Chairman.

As the result of some discussion, it was agreed to set up a panel on Limited Warfare, initially to examine the parameter of the problem, to look at the terms of reference for a study, and to report back with suggestions.

At 10:30 a.m. we heard a report of the Panel on Science and Foreign Affairs given by Detlev Bronk. During the discussion, Piore made the observation that science is but one subject area that affects our foreign policies, Rabi placed emphasis on the need to do something about scientific communication with Red China, and Fisk and others observed that there are too many negative statements in the panel report that could be more positively stated. Then we heard a report of the AICBM Panel by Jerry Wiesner. He and York led a

discussion on the role of NIKE/ZEUS in the defense of cities or of hard targets, York observed that it would be cheaper to defend the MINUTEMEN by deployment of additional MINUTEMEN, but cheaper to defend TITAN by hardening, rather than providing more sites. It was agreed that selected members of the AICBM Panel would meet with personnel from the Office of the Secretary of Defense to discuss the applicability of the U-2 aircraft for airborne infrared early warning. Farley (Special Assistant to the Secretary of State) then summarized a working paper dealing with the problem of establishing a quota for inspections to monitor a nuclear test cessation. Chairman Killian suggested that Bethe, Bacher and Fisk give careful thought to the quota problem over the next 24 hours to see if they could develop specific ideas.

After lunch in the White House Mess (in the west wing of the White House) we heard a report by Hans Bethe on the evaluation of Soviet tests, followed by a report by Bethe on the work of the Panel on Detection of Atmospheric Tests. Bethe reported on the results of the panel, headed by Panofsky, which studied the detection of nuclear explosions at yields between 50 and 100,000 kilotons. We then spent the remainder of the afternoon discussing our program for a meeting with President Dwight Eisenhower tomorrow morning.

We discussed the release to the Sunday papers of yesterday of the report of a special panel appointed by PSAC and the GAC of the AEC, entitled "An Explanatory Statement on Elementary Particle Physics and a Proposed Federal Program in Support of High Energy Accelerator Physics". The special panel which prepared the report consists of Emmanuel R. Piore (Chairman), Edwin M. McMillan, Leland J. Hayworth, Hans A. Bethe and Jesse W. Beams. The proposed program includes recommendations that a Stanford Electron Linear Accelerator with an initial energy of at least 10 BeV should be built, that although the technical feasibility and research utility of the specific accelerator recently proposed by the Midwestern Universities Research Association (MURA) have not been established, the group should be supported on a continuing basis and the research needs for a high energy accelerator at the Oak Ridge National Laboratory should be further explored with the Laboratory and the southern universities concerned.

At 6 p.m. I attended a farewell cocktail party given by Dr. and Mrs. Killian in the Anderson Room of the Metropolitan Club for PSAC members and their wives.

Following this I had dinner in the coffee shop of the Statler Hilton Hotel, where I spent the night.

Tuesday, May 19, 1959- Washington, D.C.- Home

After breakfast in the Statler Hilton coffee shop, I walked to the Executive Office building, where in Room 220 I attended the continuing meeting of the President's Science Advisory Committee.

After further discussion in preparation for our meeting with the President, we went across the street to the west wing of the White House, where we met in his Oval Office with President Dwight David Eisenhower from about 11:30 a.m. to 12:15 p.m. Jim Killian opened the session by asking President Eisenhower if there were any matters which he wished to discuss with the Committee. The President mentioned the Russell Amendment to the Military Construction Bill, which came up at a meeting with legislative leaders earlier in the day. That amendment would appear to require a special authorization for each missile and each aircraft in the defense program. Eisenhower asked Killian to look into it.

Killian used that request as a way to introduce some comments on the interest which PSAC has given to various questions concerned with military technology, among them the trend for growing complexity in military systems and the speed with which they become obsolete. Ike commented that military establishments are and have always been obsolete; there is a continual process of replacement of weaponry.

Killian then initiated a discussion of the importance of arms control, remarking on the growing possibility of accidental war. He suggested that an effort should be made to strengthen our efforts towards arms limitation, especially by developing technical expertise in this area. The President agreed that this is very important and asked how he could help, commenting that the true business of a soldier is to work himself out of a job.

At Killian's invitation Edwin Land continued this discussion by thanking the President for "making science as popular as baseball." He feels that with the President's strong support PSAC has been successful in promoting the importance of science in building our country's strength and providing hope for the future. He stressed that the President's prestige would be an invaluable aid in supporting efforts toward arms control, especially in discussions with military personnel. He asked that Eisenhower make this scientific effort at arms limitation a part of the American mission, not only by providing funds but also by broadly promoting the idea. The President said he would do what he can.

Jerry Wiesner pointed out that our national goals in the area of arms limitation are not clearly understood. There are many technical details surrounding this question which have not yet been investigated. An example of this, which Wiesner pointed out, was that we [the U.S.] had not seriously considered the question of detection systems before the Geneva talks. Wiesner feels we were ill-prepared.

The President said he feels very strongly about some of these issues. He pointed out that a few years ago serious consideration was given to ceasing nuclear testing in the atmosphere, and now that has become only a "fall-back" position. He thinks perhaps a subcommittee of PSAC and other interested agencies, such as the National Security Council, should be established to deal specifically with disarmament studies.

Killian then introduced the next subject of discussion: the strengthening of science in the free world. He asked Detlev Bronk to summarize the principal findings of PSAC in this area, which will appear in a PSAC report in a month or so.

Bronk said that although scientists have always had close associations with colleagues overseas, there are many areas in which these could be strengthened. He suggested that more should be done to publicize opportunities for work in other countries, that universities might place more emphasis on interpretation of foreign cultures and languages and that agencies like the Foreign Service might create more opportunities for scientists. He emphasized that restrictions on exchange of information limit these opportunities too strictly--that our current <u>quid pro quo</u> rule is narrow-minded.

Rabi mentioned his recent visit to the Dubna Laboratory in the USSR and described the international atomic energy laboratory run by the Soviets in cooperation with other communist countries. He raised the question of what we could do to promote such international cooperation, suggesting that Brookhaven or LRL might be designated as inter-American laboratories.

The meeting concluded with remarks from Wiesner and the President about the importance of public understanding and support in the areas of both arms control and international cooperation.

After the meeting with the President, we had a post mortem to assess the meeting. We were impressed by the President's views on arms limitation. It was agreed to set up a strong panel of PSAC to look into the broad questions in the field of arms limitation and how they interlock with the activities of PSAC. It was felt that this could be one of the principle activities of PSAC, and I was suggested as a possible chairman for this panel. We also agreed that Rabi is to follow up on the idea of Pan American laboratories and report back to the Chairman of PSAC. The Chairman of PSAC is to follow up with Keith Glennan on the possible use of a NASA facility as an inter-American laboratory.

I picked up a quick lunch at a hamburger joint and then took a taxi to the Washington National Airport, where I boarded United Airlines Flight #747, which left at about 2:30 p.m. and arrived at the San Francisco Airport a little after 9 p.m. Here I was met and driven to my Lafayette home by a University driver.

When I arrived home Helen told me that she went to a planning session for Section Clubs at Muriel Nordly's on Monday morning, had an appointment with Dr. Percy Jennings, our pediatrician, to discuss the general status of our children's health on Monday afternoon, and again furnished the refreshments for the Cub Scout pack meeting at Phyllis Fisher's house on Monday afternoon. This morning she took Pete for an appointment with Dr. Redmond, our orthodontist, and in the afternoon she had an appointment with Dr. Lindner, one of the obstetricians at Kaiser Hospital in Walnut Creek, where she learned that her pregnancy is proceeding normally.

Wednesday, May 20, 1959

I went directly to the Radiation Laboratory to attend the meeting of the Associate Directors. After this I went to my Chancellor's Office in Dwinelle Hall. My schedule today has been deliberately kept without appointments (except for the regular afternoon meeting of the Academic Advisory Committee) so that I could sign the many letters and memoranda waiting for me and read the papers accumulated during my absence.

During the course of the day I signed the following letters and memoranda. A memorandum to Clark Kerr urges him to approve for immediate use the revisions of the instructions to appointment and promotion committees in order to take into account work in the creation of works of art and professional achievement and the suggestions of the Connick Committee for procedures in evaluating teaching.

Another memorandum to Kerr, drafted by Ed Strong, suggests that a policy for inter-campus cooperation in African Studies needs to be formulated in such a manner as to furnish trouble-free precedents for other inter-campus research

and training projects; I signed this with a note to Ed, saying that I do so with some misgivings since it can be interpreted as Berkeley imposing itself on UCLA (in the pattern that UCLA has grown so sensitive toward)- Kerr has decreed that the African Studies be centered at UCLA.

A memorandum to Verne Stadtman of the California Alumni Association responds to his request of April 15th for articles to appear in the California Monthly and suggests articles on the state college-University issue, the athletic policy of the University, the opening of new residence halls on the campus in September, student government, programs for the superior student, the University's participation in the National Defense Education Act and the student exchange program with the Soviet Union.

I sent a letter to David J. Armor, congratulating him upon his election as President of the ASUC and stating that I look forward to working with him during the coming year.

I signed a letter of recommendation to C. E. Rickleff (Professional Placement Manager at Argonne National Laboratory) for my graduate student Glen E. Gordon, who is finishing his Ph.D. degree work this summer for a thesis study in the field of nuclear chemistry.

A letter went to D. Eugene Copeland (Executive Secretary of the Cell Biology Study Section of the Department of Health, Education and Welfare in Bethesda, Maryland) expressing pleasure that the Cell Biology Study Section of the National Institutes of Health has accepted our invitation to hold its meeting this fall on the Berkeley campus.

I wrote Sir Christopher Ingold (Vice Provost of the University College London) expressing appreciation for his kind letter complimenting me on my election to honorary fellowship in the Chemical Society.

I signed a number of appointment and reappointment letters. Letters on the recommendation of Dean Knowles Ryerson went to I. Michael Lerner, appointing him Chairman of the Department of Genetics for the academic year 1959-60; to R. Burton Litton, Jr., appointing him Acting Chairman of the Department of Landscape Architecture from July 1 until December 30, 1959; to William C. Snyder, appointing him Vice Chairman of the Department of Plant Pathology for the academic year 1959-60; and to Theodore C. Broyer, appointing him Vice Chairman of the Department of Soils and Plant Nutrition for the academic year 1959-60.

A large number of committee appointment letters went out: to Edward Teller, appointing him to replace Otto Struve as Chairman of the Space Sciences Committee (the other members of the committee are Isadore Perlman (Vice Chairman), and Robert Brode, Melvin Calvin, Haydon Gordon, Cornelius Tobias, A. E. Whitford and Herbert York); another to Edward Teller, appointing him Chairman of the Advisory Committee on Computing Facilities for 1959-60 (other members are E. R. Dempster, E. T. Grether, L. G. Henyey,. A. C. Helmholz, H. D. Huskey, D. L. Judd, J. L. Kelley, D. W. MacKinnon, Jerzy Neyman, R. W. Shephard, D. H. Templeton and J. R. Whinnery); to Arleigh Williams, appointing him Chairman of the Subcommittee on the Student Center Union and Cafeteria of the Building and Campus Development Committee (other members, W. F. Shepard, Paul Hastings, Scott Wilson, Robert Kerley and Maryanne Reid); to T. R. McConnell, appointing him Chairman of the Advisory Committee for the Center for the Study of Higher Education (other members are R. W. Jastram, W. A.

Kornhauser, Albert Lepawsky, R. N. Sanford, E. W. Strong, F. T. Tyler, and H. E. White); to Dean Charles E. Smith, Chairman of the Committee on Audio-Visual Instruction (other members, J. E. Laetana, F. T. Malm, John Nelson, Jr., and H. E. White); to Dean Milton Chernin, appointing him Chairman of the Advisory and Policy Recommending Committee on the Bureau of Occupations (other members, R. E. Erickson, E. T. Grether, Emily H. Huntington, R. F. Kerley, D. S. Noyce, J. W. Oswald, L. E. Shaffer, and Robert Calvert, Jr. as a non-voting member); another letter to Dean Milton Chernin, appointing him Chairman of the Social Science Council (other members, G. M. Foster, E. T. Grether, F. Violich, O. W. Wilson, R. A. Gordon, W. A. Brownell, J. B. Leighly, K. M. Stampp, C. M. Hulten, W. L. Prosser, W. R. Dennes, Charles Aikin, L. J. Postman, Reinhard Bendix and David Blackwell)- Chernin is replacing Andreas J. Papandreou, whose term of service on the Council has expired, as Chairman; and a letter to Rene Herrerias (Assistant Basketball Coach) appointing him a member of the Chancellor's Advisory Committee on Student Housing under the chairmanship of Adrian Kragen.

Another set of letters went out from Sandy Elberg (Chairman of the BCD Committee) indicating that he and I are making the appointments to the following: for membership on the Engineering Building Subcommittee Unit #1, D. Cunningham, Donald N. Hanson, T. Hazlett, D. Horning, H. W. Iversen, J. T. Lapsley, Jr., V. Schrock, E. S. Starkman and G. E. Troxell; for membership on the Student Center Theater Subcommittee, F. O. Harris, Donald Coney, Joseph Kerman, Robert Commanday, G. B. Wilson and Mrs. B. Connors; for membership on the Committee on Joint Facilities in Area "A", F. Violich; for the Student's Art Center Subcommittee, W. W. Horn, T. M. Bogard, Donald Coney and Herwin Schaefer and new member Joseph Kerman (with Horn to continue to serve as Chairman); for continuing membership on the Sanitary Engineering Building Subcommittee, D. O. Horning, P. H. McGaughey, E. Pearson, B. D. Tebbens, and G. E. Troxell; and for continuing membership on the Education-Psychology Building Subcommittee, F. O. Harris, W. A. Brownell, H. E. Jones, M. A. Milczewski, G. E. McClearn, L. J. Postman, T. L. Reller, M. R. Rosenzweig, and R. D. Tuddenham (with Harris continuing to serve as Chairman).

A large stack of accumulated memoranda and letters included the following. A memorandum came from Andreas G. Papandreou (Chairman of the Department of Economics) and Emily H. Huntington (Vice Chairman of the Department of Economics), protesting our transfer of some rooms in Old California Hall from their department to the Institute of Industrial Relations and ending with the statement,

> "Under the circumstances we are unwilling to accept your decision until we have been given a hearing and our needs have been carefully compared to those of the Institute of Industrial Relations and other Departments."

The problem is that we have promised space to Art Ross in order to keep him at Berkeley as Director of the Institute of Industrial Relations and this seemed to Sandy Elberg to be logically assigned to him in such rooms in Old California Hall. A memorandum from Elberg informs me that his advice was made on the incorrect assumption that the Institute is far more closely related to the Department of Economics than it turns out to be. He suggests that our offer to Ross be made conditional upon our finding equivalent space for Economics. I appended a note that we must by all means keep our agreement with Ross.

A bulletin page from the Bohemian Club announces my admission to membership on the faculty status; also listed among new members admitted are Anson Weeks (on a regular professional status).

A memorandum from Joseph Kerman (Acting Chairman of the Department of Music) objects to my memorandum announcing a University Meeting on May 21st from 12:15 to 1:45 p.m., during which time all University exercises are to be suspended, because the Music Department has had scheduled for some months a Noon Concert for this day from 12:15 to 1 p.m.

A letter from Gunnar Randers (Director of the Institute of Atomic Energy in Kjeller, Norway) responds to my letter of April 23rd, in which I ask for release of Torbjorn Sikkeland's obligation to return to Norway. Randers reluctantly accedes to my request, but indicates that a final decision is up to the Norwegian Research Council and he is not sure what their decision will be.

A letter from Clark Kerr attaches copies of letters that he has written to Senator Clair Engle, Senator Thomas H. Kuchel, and Governor Pat Brown, supporting the thought, advanced during recent years by Hardin Jones, that the replacement hospital for the Oakland Veterans Administration Hospital be placed near and in close association with the Berkeley campus.

Carl Nordly (Chairman of the Department of Physical Education) wrote to suggest that a very desirable location for a new co-educational gymnasium is in Block 1871 (bounded by Bancroft on the North, Durant Avenue on the South and Bowditch on the East).

A letter from Jean Fuger, who has returned to Belgium following his sabbatical stay with my group at the Radiation Laboratory, thanks me for his wonderful stay and "for the real kindness and friendliness which are the rules that everyone naturally follows in your Laboratory."

Lincoln Constance summarized the results of a conference he had with Leo J. Postman (Chairman of the Department of Psychology) on May 12th. Postman said that the Department of Psychology is evenly divided between Cronbach and Solomon to assume the position of Director of the Institute of Human Development. Harold Jones is applying to the National Institutes of Health for a grant of about $400,000 annually for research on aging in which Hardin Jones will participate in the physiological aspects and Harold Jones in the psychological aspects. Postman described his "wild idea" to establish a small three or four man institute involving staff from Psychology, Education and possibly Speech, for an institute for research in human learning.

A letter from George F. Papenfuss (Chairman of the Marine Laboratory Committee) recommends that we try to acquire 60 acres of land in the Del Monte Estates on the coast, bounded on the north by the State Division of Beaches and Parks property (Asilomar) as the site for our Marine Laboratory.

Bob Connick wrote to accept my offer of appointment as Chairman of the Department of Chemistry for the academic year 1959-60; I am asking Rollie Myers to serve as Acting Chairman of the Department until Bob returns in September.

A letter from James W. Armsey (Associate Program Director of the Fund for the Advancement of Education in New York) informs me that the Fund is making a

grant of $5,000 to the University of California at Berkeley for travel expenses to be incurred by visits of our faculty and staff to educational television projects in various parts of the country; this grant is being made as a result of conversations between Phil Coombs and me and between Ted Sherburne and James Armsey.

A letter from William S. B. Lacy (Special Assistant to the Secretary of State) expresses gratification for our plans to establish exchange agreements with the University of Moscow, the University of Leningrad and the Soviet Academy of Sciences, and suggests that we might also consider the possibility of arranging an exchange with one of the other major Soviet universities, such as Kiev.

Bill Fretter wrote a memo passing on the information that Carl Helmholz has been getting communications from Walter Elsasser of La Jolla which are critical of Roger Revelle's educational planning for La Jolla, indicating that not sufficient attention is being paid to teaching of students, with all emphasis being on research. Elsasser is thinking of leaving and wonders whether the statewide administration should be informed of this situation; I wrote a note indicating that Elsasser should be told that Kerr knows about this problem and to encourage Elsasser to write to Kerr.

Another memorandum from Bill Fretter calls attention to the fact that the Board of Admissions and Relations with Schools is split regarding the question of whether there should be special requirements for admission to the College of Engineering (the College of Chemistry also would like to have special admission requirements); Fretter complains that the requirement of mechanical drawing for entrance drives off the bright and original students, who would like to go into scientific engineering- he recommends that the College of Engineering should become a School of Engineering Science, that it should drop the lower division entirely and that the Department of Civil Engineering should be eliminated.

A memorandum from Errol Mauchlan informs me that on March 27th the Controller submitted a report on the College of Engineering by the Internal Audit staff which adds up to an indictment of the present system of over-centralized dean's control with lack of delegation of authority leading to ineffectiveness of control, lack of uniformity of procedures, poor accounting systems, some irregularities and so forth. It is clear that we need to get on with the appointment of a vigorous new dean of the College of Engineering who has a strong bent toward scientific engineering.

A memorandum from Alex Sherriffs informs me that the Committee on Discrimination has submitted recommendations in the hot area of discrimination in fraternities and that a statewide committee is also working on the policy here in view of Pat Brown's opinion on this matter; I suggested that we discuss both policy statements at an early Chancellor's Cabinet meeting.

In another memorandum Alex Sherriffs informs me that the Ad Hoc Committee to Consider the Long-Range Role of International House on the Berkeley campus (Allen Blaisdell, Sandy Elberg, James Hart, Adrian Kragen, William Shepard and Sherriffs) met on May 4th and identified as the main problems the role of I-House as a residence facility and as an "International Center". Alex recommends that a high-powered committee consisting of some five to seven members should be appointed with the charge to come up with a blueprint for consideration and action by the I-House Board and the Berkeley campus administration within six to eight months.

In still another memo Alex Sherriffs reports that at a meeting of Blaisdell, Shepard and himself on May 15th, it was suggested that a position of Foreign Service Officer responsible to the Chancellor should be created and that the position of Foreign Student Advisor (who will be on the staff of the Dean of Students) will report to the Foreign Service Officer. They recommend that the Foreign Student Advisor be located in International House until January 1960 (at least).

I noted that the May issue of the California Monthly contains a picture of Berkeley's national championship basketball team taken in Louisville, a story with pictures covering my inauguration as Berkeley's new chancellor and a reprinting of my inaugural message "Learning in the World of Change".

Patent #2,887,357, Dry Fluorine Separation Method, by Seaborg, J. W. Gofman and R. W. Stoughton, was issued today.

From about 3:15 until 4:35 p.m. I met in the Chancellor's Conference Room with the members of the Academic Advisory Committee- R. G. Bressler, L. Constance, S. Elberg, W. E. Farnham, J. D. Hart, A. E. Hutson, C. W. Jones, F. L. Kidner, M. Moonitz, M. A. Stewart, E. W. Strong, and with guests, Benning Cook, Alden Miller and Howel Williams. As usual, I served as Chairman.

Opening the discussion, Lincoln Constance reviewed the history of the unhappy relationship within the Department of Paleontology and especially with respect to the Museum of Paleontology. After we obtained the viewpoints of Cook, Miller and Williams, the AAC decided to ask Dean Constance to ascertain whether it would be possible to take steps along the following lines for a solution: 1) the Department of Paleontology to be dissolved; 2) Invertebrate Paleontology to be merged in Geology; 3) Vertebrate Paleontology to be merged in Zoology; 4) Paleo-Botany be merged in Botany or Biology, as is deemed most appropriate; and 5) the Museum be attached to that department which is deemed most appropriate.

Speaking to the question of statewide academic policy, C. W. Jones indicated that a joint statement of statewide academic policy by the Educational Policy Committees is in preparation and may be presented through the Regents at their meeting at Lake Arrowhead next month, but he added that he thinks the statement will be colored by expediencies related to the present stage of relations between the state colleges and the University.

Ken Pitzer called me at 5 p.m. to ask whether they could get supplementary S&E money (supply and equipment) for this academic year to the extent of $3,000; I suggested that he send in the request and we will do the best that we can. (Ken later agreed to submit a request for $2,000 now with the understanding that if he runs short in June we will do what we can.) He also told me that he is lining up two more associates for next year and he hopes that it is all right to do this out of salary savings; I said it is probably all right but there will have to be a definite allocation made for this.

Tonight at dinner Helen told me that she attended a business meeting on the College Tea program in the Strawberry Canyon Recreation Area.

After dinner I drove to Walnut Creek to give a talk to the Walnut Creek Section of the American Association of University Women on "Education for Americans". In the course of my remarks I emphasized the place of science in a balanced curriculum, the importance of arithmetic (especially in grade school), and the points made by James Bryant Conant regarding high school curricula in his book The American High School Today. I made the suggestion that high school students be required to take four years of English (with more than half of the time in composition), three or four years of social studies (including two on history), one year of mathematics and one year of science, that the academically talented (perhaps 15% of the total) be required to take three years of science, four years of mathematics, four years of one foreign language, three years of social studies and four years of English with 15 hours of homework per week and that there be six periods of academic subjects per day. I asserted that the majority of bright boys and girls are not working hard enough (the same is true for adults), that we are suffering from a shortage of teachers, and that we should use television as an educational tool more (mentioning the Hagerstown experiment and White's "Continental Classroom" course). I concluded with a few remarks on atomic energy.

Thursday, May 21, 1959

This morning I went directly to my Chancellor's Office in Dwinelle Hall. I sent a letter to Clark Kerr, referring to his note of April 28th restricting the use of radioactive sources off campus, describing the nature of radioactive sources and their possible valuable use in certain types of research and forwarding two proposals involving radioactive materials for his decision--one using a small amount of radioactive material to determine leakage of the Madera Canal and the other, using radioactive hydrogen in research to determine the suitability of abandoned oil wells for disposition of radioactive waste.

A memorandum to Harry Wellman requests that the provision for a position in the Department of History to be vacated on July 1, 1960 by the retirement of Associate Professor Paul Schaeffer be retained at the first step of the associate professorship in order to employ Richard Herr (Yale University) in our Department of History.

I wrote to David C. Munford (Inter-University Committee on Travel Grants) to say that I am pleased to sponsor Richard Edward Bozak (Organic Chemistry), Thomas Darrah Thomas (Chemistry), and Jeremiah Schneiderman (History) as the University of California, Berkeley, representatives in the graduate student exchange with the Soviet Union for 1959-60.

A letter to P. W. Bell of the Department of Economics appoints him Chairman of the Committee for the Bureau of Business and Economic Research for 1959-60. Other members of the Committee are F. E. Balderston, G. F. Break, R. H. Holton, W. J. Vatter, R. A. Gordon (ex-officio) and E. T. Grether (ex-officio).

Sandy Elberg wrote to L. L. Thomas (Slavic Languages) stating that he and I would like him to serve on the Committee on Space Assignment in Dwinelle Hall (of which B. L. Spahr is Chairman) and other such letters ask H. E. Jones to serve as Chairman and Fred Tyler, Catherine Landreth, Marjorie Honsik and Dr. Paul Mussen to serve as members of a Child Study Center Subcommittee of the BCD Committee.

I read a letter from members of the Advisory Committee for the Appointment of a Foreign Student Advisor, signed by Austin H. MacCormick (Chairman), and Eric C. Bellquist, William B. Fretter, Varden Fuller, Sanford A. Mosk and William F. Shepard, members, that they recommend the appointment of W. Sheridan Warrick (Associate in History at the Davis campus) as best-qualified of the persons considered and available for the position of Foreign Student Advisor and recommend him for appointment.

I noted a memorandum from Holloway Jonas (Secretary of the Bohemian Club) informing me that I have been elected to faculty membership in the club.

A letter from Edward Teller of the Committee to Consider the Status of the Nuclear Engineering program (consisting of Mike O'Brien, Ken Pitzer, Earl Parker, Sam Silver and Teller) reports that during the academic year 1958-59 the program has progressed successfully in spite of severe handicaps, that it can be strengthened during the next academic year by the use of Al Kirschbaum (Livermore), Karl Cohen (General Electric) and Chester M. Van Atta and Stirling Colgate (Livermore) as lecturers.

A memorandum from Bill Keeler (Chairman of the Berkeley campus Intercollegiate Athletic Advisory Board) submits the annual report (1958-59) of the Board. Keeler notes that the Board was composed of faculty members Keeler, Carl Nordly and Hurford Stone; alumni Stanley Barnes, Cort Majors, Herman Selvin (with alternates Ben Lom, Gene McAteer, and Merritt Van Sandt); students Robert Chiappone, Roger Gregg and Richard King; and ex-officio members Faculty Representative Frank Kidner and ASUC President William Stricklin. Others regularly attending meetings of the Board included me, Paul Hastings (Executive Director of the ASUC), Greg Engelhard (Director of Intercollegiate Athletics), Douglas Gordon (Assistant Director of Intercollegiate Athletics), and W. H. Davis (Athletic Business Manager). Seven meetings were held during the year and a meeting is scheduled for June 8th. Matters coming before the Board included relationship of Big C and Circle C sports, conference relationships, intersectional relationships, student relations, relations with coaches, grants-in-aid, Subject A fee (interpretation), international track meet, Rose Bowl status, football schedules, alumni football game, budgetary matters and relation of the Board to the campus athletic program.

In the morning I had an appointment with Clark Kerr in his office at which 17 items were discussed.

Kerr told me that Ed Schoenfeld (Sports Editor of the Oakland Tribune) has called him to warn that Berkeley is "way out on the limb" in recruiting, incurring many violations--"the wraps are off". I said that I will speak to Kidner about this.

I also learned that State Senator Fred Farr sent in a suggestion through Jim Corley that we might combine with Stanford on a Marine Biological Station in Monterey (the Hopkins Marine Station). According to him Wallace Sterling seems ready to explore this. We agreed that George Papenfuss might contact the Stanford directors and learn a bit more about the proposal.

We talked also about the acquisition of Chaparral Hill. Kerr told me that we should know within a month if we will be able to purchase it and suggested that I prepare a draft of a letter from him to EBMUD authorities in case this materializes. Kerr suggested that the Educational Testing Service might be interested in Wild Cat Canyon and agreeing that we would like to have them

here, we decided to write a cordial letter to their president, putting forth the idea.

We discussed the development of the Economics Department. Clark has talked with Aaron Gordon and has approved the advancement of Henry Rosovsky to Associate Professor. The Economics Department would like to try to get Robert Dorfman back from Harvard and Leo Hurwicz from the University of Minnesota, as full professors. Kerr said that he does not want to create more full professorships in the department and suggested that we wait to use the spaces vacated by Carl Landauer, Paul Taylor and Emily Huntington, as they retire.

We also talked about the new College of Environmental Design and agreed that William Wurster should be the new dean until his retirement in 1963. We agreed to skip the review and simply consult with the Budget Committee on this appointment, as a matter of courtesy. The Department of City and Regional Planning in the College appears to be weak. Kerr expressed the opinion that we should be stronger in this area, "in view of the great growth of California" and said that a review of the literature in the field shows no names of our people. Ed Strong should probably bring this up with Violich and see what we can do to improve the department.

We talked about the presidential directive on radioactivity and I told Kerr that I have already written him a letter giving him my comments (which he has not yet seen). He indicated that he will go along with the modifications I have suggested.

We concluded our meeting by going over a list of deans on the Berkeley campus and decided that we will review Chernin, Constance (since he requested it), Danton, Prosser and Stoddard. We will postpone the reviews on Smith and Wilson and will not review Brownell because he is scheduled to retire in 1962.

From about 12:15 p.m. until 1:45 p.m. I presided over the final University Meeting of this semester in Faculty Glade. The meeting was held to honor the graduating class of 1959 and there was a picnic lunch with all members of the University family invited to participate. The meeting opened with band music, singing and cheerleading yells.

I then made about five minutes of opening remarks, pointing out that the last year of the students of the class of 1959 at Berkeley coincided with my first year as Chancellor. I contrasted the life of a Chancellor with its broad contact with students with that of my previous quieter life as a scientist.

I then introduced the two student speakers chosen by a special committee, Sue Trees Stricklin (Second Vice President of the ASUC) and Dick King (First Vice President of the ASUC) who each gave short farewell speeches.

I then introduced ASUC President Bill Stricklin, who made some farewell remarks and introduced the incoming ASUC President David Armor, who made a few remarks.

Next I introduced a number of outstanding members of the Senior Class- Julie Casagrande (member of the Student Judicial Committee), Sue Ann Diamond (President of the Mortar Board), Sylvia Schostak (member of the University Students Cooperative Association), Joanne Morrisey (Chairman of the Women's Judicial Committee), Paul Diller (President of the Senior Class), Joe Kapp and Jack Hart (Co-Captains of the championship football team), Allan Buch (Captain

of the NCAA championship basketball team), Tom Fraser (Captain of the undefeated rugby team), Fred Daulton (Captain of the championship rifle team), Roger Gregg (Captain of the baseball team), Roger Price (of the varsity track team), George DeLong (Warden of the Order of the Golden Bear), Hugh Barnett (Manager of the California Band), Mike Hone (active ASUC representative-at-large), Mike Marston (President of the University YMCA), Gene Turner (Editor of the Daily Californian), Forrest Brinkerhoff (President of the Californians) and Tom Ready (Chairman of the California Club).

After some songs by the California Glee Club, I asked Jim Hart to introduce Ed Strong and Alex Sherriffs, who each made brief reports on their areas of responsibility.

I then called on retiring crew coach Ky Ebright for some farewell remarks, after which I called on Willard E. Farnham (English) who is retiring this year and who spoke on behalf of this year's retiring members of the faculty. I then made a few closing remarks and called on Garff Wilson to lead the singing of "Hail to California".

After this, a little before 2 p.m., I drove to the Claremont Hotel, where I participated in the Executive Room in a program for administrators from local high schools in the San Francisco Bay Area arranged by J. Cecil Parker (Director of Field Service) and David B. Stewart (Assistant Director of the Office of Relations with Schools). Present were Frank Adams (Assistant Superintendent, Oakland Unified School District), Selmer Berg (Superintendent, Oakland Unified School District), George Bliss (Principal, Oakland Technical High School), Lincoln Constance, James Dent (Superintendent, Mt. Diablo Unified School District), Ferdinand Diel (Principal, Mt. Diablo High School, Concord), Kenneth Forry (Superintendent, Albany Unified School District), William Fretter, James Hart, Carl Helmholz, Joseph Hill (Principal, Abraham Lincoln High School, San Francisco), Grenville Jones (Principal, Alhambra Union High School, Martinez), George Kyte, Elwin LeTendre (Principal, Berkeley High School), George Miner (Superintendent, Richmond High School), Charles Moore (Principal, Albany High School), Cecil Parker, Neil Parsons (Superintendent, Acalanes Union High School District, Lafayette), Paul Pinckney (Principal, Oakland High School), Kenneth Pitzer, Lawrence Ramm (Superintendent, Hayward Union High School District), Edward Redford (Assistant Superintendent, San Francisco Unified School District), James Reusswig (Principal, Antioch High School), Claude Samples (Principal, El Cerrito High School), Roger Schulte (Superintendent, San Ramon Valley Union High School District, Danville), William Shepard, Alex Sherriffs, Alden Smith (Principal, Piedmont High School), Harold Spears (Superintendent, San Francisco Unified High School District), Edward Strong and Stanley Walgren (Principal, Acalanes High School, Lafayette).

The program was opened by Cecil Parker, who outlined the purposes of the meeting: to become better acquainted with each other, to identify mutual problems, to explore meanings and implications of these problems, and to find ways to contribute to solutions for mutual problems.

I then spoke about my feeling for the need for more and better scientists for our society and the need for more science for all students in school in order to understand our daily life problems. I said that we all need to work together on college preparatory programs and went on to talk a little bit about the future plans for the University of California and its effect on high schools. I mentioned that the University is planning for about 100,000

students by 1970 and is hoping to keep our admission requirements the same. I told the group that we are discussing the possibility of future application forms for admission to the University having a space for a second choice campus and also the use of other criteria for admission than grades, such as extra-curricular activities. I spoke briefly about Conant's recommendations regarding a college preparatory program for the academically talented (top 15%), including the suggestion that at least 15 hours of homework should be assigned each week. I went on to touch on the problems of teacher recruitment, urging that more attention be paid to the economic status of teachers and their program of training, especially the need for a proper balance between academic courses and teacher training courses. I concluded my remarks by mentioning the tremendous potential of some technical teaching aids now available to us, such as the use of educational television, citing the Hagerstown experiment and Harvey White's "Continental Classroom" program.

Ed Strong spoke next on programs for honor students and the need to keep stimulating them. He was followed by Kenneth Forry (Superintendent of Schools for the Albany School District) who spoke at length about the relations between the University and schools and ways in which the University could better serve the needs of the schools. Discussion was then opened from the floor, which tended to center on the Superior Student Program and the pros and cons of acceleration rather than enrichment for superior students.

At 6 p.m. we broke for dinner on the South Porch. After dinner I asked for further frank positive suggestions for improvement of relationships and in the course of this discussion there was an expressed need for help in planning senior courses for accelerated students and concern over the status of the School of Education at Berkeley. All in all, I think it was a very successful meeting. The general consensus expressed by the high school administrators was that this type of meeting does much good for them and they hope it is as helpful to the University. They suggested that another meeting be held next year.

After I arrived home I called my neighbor Iz Perlman and discussed with him the Newman Resolution, which is to come up at the Representative Assembly next Monday, giving him arguments for changing and urging him to change his position (as a member of the Committee on Academic Freedom) so as to make it a permissive rather than a compulsory matter.

Friday, May 22, 1959

This morning after checking in my office, I went immediately to Wellman's office (Room 221) in Sproul Hall to attend a meeting of the Joint Advisory Committee (JAC) on Education of the University of California and the state colleges as represented by the California Department of Public Education. T. R. McConnell gave a good presentation of reasons why we should continue to have a tri-partite system of public higher education in California. The question was raised as to whether some new colleges should be senior colleges (upper division and graduate work). Wellman suggested that the studies relating to the Master Plan be carried out in the same way as previous studies have been made, with a director and staff, with advice from the Joint Advisory Committee (which wouldn't take responsibility for making the study). Malcolm Love disagreed with this suggestion and suggested instead that the organizational structure be as follows:

Liaison Committee

President of UC — Director of Education

Commission on Higher Education
JAC & others suggested

Differentiation of functions* — Structure*

Joint Staff

* (These are the substantive issues to be resolved.)

Wellman suggested:

Liaison Committee

President of UC----- Director of Education------JAC

Director
2 Asst. Directors
Staff

There was much protestation by the State College representatives that we are placing roadblocks in the way of getting the job done. They feel that the JAC should go ahead and come up with a Master Plan by some mechanism, possibly by use of Joint Staff or a director and staff to do the statistical work, etc. but the JAC should be involved itself in the basic questions of differentiation of functions and structure. Priest suggested:

Regents----------State Board of Education
President — Liaison Committee — Superintendent

JAC

J. staff
Augmented

The meeting continued into the afternoon, with the interruption of a luncheon that Strong and I attended with Harold Jones and the visiting U.S. Public Health Service people to discuss the possibility of a grant from the Public Health Service to support gerontology research.

I ran into Frank Kidner at the Faculty Club and we discussed the phone call that Kerr had with Ed Schoenfeld of the Oakland Tribune. I said that Kerr is convinced that recruiting at Berkeley and UCLA is getting out of hand, that rules are being broken and something must be done about it. Kidner said that he will talk with Greg Engelhard about this.

During the afternoon session of the Joint Advisory Committee Wellman introduced his document detailing the UC reaction to the Love proposals. Love said that he does not feel that the differences in points of view are as great as this document might suggest. Love then introduced a resolution creating a three-man working committee (one each from UC, state colleges and junior colleges) to draw up a plan to coordinate higher education in California after introducing a resolution to make the JAC responsible for the drawing up of

this plan. I introduced a resolution that the working committee consult with the JAC at regular meetings and as needed with the Liaison Committee, the President of UC and the Superintendent as well as other appropriate bodies. Another motion assigned Joint Staff to work with the working committee.

When I returned to my office I had an appointment with Austin MacCormick (Chairman of the Committee to Advise on the Selection of a Dean of Students and the Foreign Student Advisor). He described in detail the considerations of the Committee that led them to recommend Arleigh Williams for the former post and W. Sheridan Warrick for the latter.

I signed a number of letters, including one to Dean Mike O'Brien to ask him to reconsider his request for replacement leave applications for Professors Baron, Popov and Scordelis of the Division of Structural Engineering and Structural Mechanics in the Department of Civil Engineering, or if he persists in pressing this request, to submit a detailed statement of the staffing arrangements in the Division and a workload analysis and justification of the request; to Jean Renoir in Paris, offering him a position as Regents Professor of English and Dramatic Art on the Berkeley campus for the Spring Semester 1960 at a salary of $7500 for the semester; to Professor W. W. Borah, who is in Seville, Spain, appointing him Acting Chairman of the Department of Speech for the period July 1, 1959 to June 30, 1960; to H. Leland Vaughn, reappointing him Chairman of the Department of Landscape Architecture for the period January 1, 1960 to June 30, 1960, with R. Burton Litton, Jr. to serve as Acting Chairman from July 1, 1959 to December 30, 1959 during his absence; a letter to Mary R. Haas, appointing her Chairman of the Foreign Language Council (the other members being M. S. Beeler, M. B. Emeneau, A. B. Ferruolo, Haakon Hamre, C. G. Loomis, E. H. Schafer, K. E. Schevill, A. Torres-Rioseco, R. N. Walpole and F. J. Whitfield).

Also I noted a letter from Sandy Elberg sent out, indicating my concurrence, asking P. F. Keim to continue as Chairman of the Kroeber Hall Subcommittee, with the other members W. Bascom, H. B. Chipp, G. M. Foster, E. Loran, T. D. McCown, and Jacques Schnier.

I noted a memorandum dated yesterday from Kerr pointing out that primary responsibility for the administration of student affairs upon the Berkeley campus is vested in me as Chancellor and, thus, the recommendation in my letter of May 12th for separating the graduate students from the ASUC on September 1, 1959 is not inconsistent with any statewide policies and hence has his approval. He added that he expects from me at an early date a recommendation concerning fees which will need to be approved by the Regents.

A letter from President Kerr was quoted on the editorial page of the Daily Californian today in addition to a statement by me,

> "should the graduate students request a separate association, this proposed association shall be one acceptable in purpose and in structure to the Chancellor of the Berkeley Campus and the President of the University and shall be consistent with any statewide policies."

On the basis of authorization received from Kerr in a memorandum to Chief Campus Officers dated May 4th, I today issued a statement to deans, department chairmen and so forth, describing procedures for submission of University budgets, for submission of internal operating budgets and for reviewing and amending internal operating budgets and for budgeting expenditures from reserves for building maintenance and replacement equipment.

I noted a letter from James Howard Edgerton (President of the California Museum of Science and Industry in Los Angeles) thanking me for submitting the name of Iz Perlman for California Scientist of the Year Award and informing me that the jury selected another candidate.

A letter from Wally Reynolds (Business Manager of the Radiation Laboratory) states that the Atomic Energy Commission apparently will make funds available in the immediate future to do the pre-preliminary planning for the new Metallurgy and Inorganic Materials Laboratory and and, therefore, it would be extremely helpful if a site for this laboratory could be selected as soon as possible.

I also read a memorandum from Bill Fretter pointing out that cooperation with Stanford on the Marine Biological Station in the Pacific Grove area will be a very delicate matter and that the scientists at Pacific Grove are not so cooperative and, in fact, are opposing our working with them.

A memorandum from Kitty Malloy says that she met on Wednesday with Deborah Goldman (Alvin Weinberg's niece who is a junior here in the Business School) and found her to be a darling girl and very intelligent and she helped her through Miss Sizer of the Bureau of Occupations to find a position in the Department of Electrical Engineering, in response to Weinberg's request that we help her find some kind of a position.

A report from Donald Coney (University Librarian) encloses a report of a survey of the agricultural libraries made by a committee consisting of D. D. Jensen (Chairman), I. M. Lerner, Ruth Okey, P. R. Stout, W. C. Snyder and L. Taylor.

Saturday, May 23, 1959

I spent the day at home catching up on reading journals, playing with the kids and so forth. I sent a message to the delegates of the Seventh Annual Conference of the High School Model United Nations, which was read at their conference held on the Berkeley campus today.

In the evening Helen and I went to the Claremont Hotel to attend a reception and testimonial dinner in honor of retiring crew coach Ky Ebright arranged by Jim Dietrich, who was the coxswain on one of Ky Ebright's early championship crews.

Sunday, May 24, 1959

After spending the day at home with the family, I attended the initiation ceremony of the Order of the Golden Bear in the Senior Men's Hall at 5:30 p.m. and then following this, at 7 p.m., the dinner of the Order of the Golden Bear in the Faculty Club.

I had a talk with Pete Newell and Pete Elliott there. They complained that David Starr Jordan fellowships give Stanford some advantage that will place our athletic program at a tremendous disadvantage. They consider this to be more aid to athletes than football coach Red Sanders gave athletes at UCLA at the height of his program. The Jordan scholarships are apparently for $2,000

(or about $1,000 above tuition) and go to athletes with a "B" average in high school (that is, everyone eligible to enter Stanford) and use money raised by alumni (presumably including Stanford Buck of the Month Club).

Monday, May 25, 1959

I phoned Clark Kerr from my home in Lafayette at 10:30 a.m. to tell him about the conversation with Elliott and Newell last night regarding the Jordan scholarships. It may be that we will either have to 1) do the same, or 2) break athletic relationships with Stanford. We agreed to defer writing any letter of protest to Sterling. It may be that these scholarships are illegal in the AAWU. (Attached is a copy of the final revision of the Articles of Association of the AAWU adopted as of yesterday's date.) Stanford has also announced a policy of nationwide athletic recruiting.

I went directly to the Radiation Laboratory. At the luncheon of the Chemistry Division's Senior Staff in Perlman's office, John Suttle of the Rad Lab Personnel Office (who attends these luncheons) told me that George Hess (Los Alamos) cabled him Friday to see if the position as Chairman of the Nuclear Engineering Department on the campus is still available. Hess will send biographical information to Suttle, who will then make copies available to Dean O'Brien and me.

When I arrived at my Chancellor's Office in Dwinelle Hall, I read a memorandum from Harry Wellman to Jim Hart, commenting on Lincoln Constance's action with regard to accepting credit from University Extension. Wellman cites a number of instances, naming the students, where Constance has written them, advising students to avoid Extension courses. He says that Constance's jurisdiction over admissions, including students and former students who have withdrawn or are currently not enrolled, is questionable and that he would appreciate very much my obtaining from Constance an explanation of his practices with respect to cases such as those covered by his descriptions.

I read a memorandum from Austin MacCormick (Chairman of the Advisory Committee for Selection of a Foreign Student Advisor) describing in detail the qualifications of W. Sheridan Warrick, whom his committee is recommending for this appointment.

A memorandum from Maribel Montgomery to Raymond Bressler (Chairman of the Budget Committee) seeks the Committee's opinion as to whether the appointment of Bill Wurster as Dean of the new College of Environmental Design should be made without prior review of the candidate's qualifications by a faculty review committee.

The University Bulletin issued today includes an announcement by Dean of Students Hurford E. Stone that the annual ROTC review, sponsored by the Army, Navy and Air Force units and honoring me will be held at 1:10 p.m. Thursday, May 28th, on Edwards Field.

It also includes an announcement by me as Chancellor, calling attention to the faculty that the week before final examinations, May 25-30, is "dead week", during which no student activities should be scheduled and it is the hope of student leaders, with whom I concur, that faculty members will refrain in so far as possible from scheduling examinations during that period.

Final Revision
Adopted May 24, 1959

By Laws of

The Athletic Association of Western Universities

I

The Council

1. The management and control of this Association shall be vested in a group to be known as the Council. The powers of the Council shall be co-extensive with the Articles of Association.
2. Each member of the Association shall have two representatives on the Council. One such representative shall be a member of its faculty and shall be known as its Faculty Representative. The other representative shall be its Director of Athletics and shall be known as its Director Representative.
3. Each member shall furnish to each other member a written statement of the names of the persons who shall be its representatives. Each such person shall thereafter be entitled to represent such member until written notice of his removal or replacement is furnished by such member.
4. Without revoking the appointment of a representative, any member shall have the right, upon giving written notice to each other member to designate a member of its faculty as a substitute Faculty Representative or a member of the staff of its Director of Athletics as a substitute Director Representative. Such substitution appointment shall qualify the person so named to act as a Representative of the member only at the particular meeting or meetings designated in the notice of his appointment.

II

Meetings of the Council

1. The Council shall hold two regular meetings each year to be known as the

Winter Meeting and the Spring Meeting. The Spring Meeting shall be the Annual Meeting of the Association.

2. The Winter Meeting shall be held during the months of December or January and the Spring Meeting during the months of May or June.

3. The exact time and place of the Winter Meeting shall be fixed at the preceding Spring Meeting and the exact time and place of the Spring Meeting shall be fixed at the preceding Winter Meeting, provided that the Council may delegate the choice of such time and place to any designated person or committee. If the Council should for any reason fail to fix the time or place for any meeting and further fail to delegate its responsibility to do so, the President shall have the duty to fix the time and place.

4. Special meetings may be held on call by the President or jointly by Representatives of any two members.

5. Notice of regular meetings shall be given to the members in writing not less than thirty days before the commencement of the meeting. Notice of special meetings shall be given in writing at least ten days before the commencement of the meeting. Notice of any meeting, regular or special, may be waived by unanimous consent of the members.

6. A quorum for the transaction of business at any Council meeting shall require that a majority of the total membership be represented. The presence of one Representative for a member shall constitute representation of such member at the meeting.

III

Voting

1. Each member shall have only one vote in the Council which shall be cast by its Faculty Representative, if present, otherwise by its Director Representative.

2. The President of this Association shall submit to the members for vote by mail or telegraph any question arising between meetings which is submitted to him by a member or by the Executive Officer.

3. Any member of this Association shall have the right to veto the holding of a mail or telegraph vote by so informing the President within three days after receiving the request for such vote.

IV

Office

The Association shall establish an office at such place as may be determined by the Council. All records of the Association shall be kept at this office except as the Council may otherwise direct.

V

Officers

1. The officers of this Association to be elected annually at the Spring Meeting, in such manner as the Council may determine, shall be a President and a Secretary-Treasurer. There shall also be, as provided by the Articles of Association, an Executive Officer who shall be selected by the Council.

2. The President shall be elected by the Council from the Faculty Representatives. He shall preside at all meetings of the Council and shall be an ex-officio member of all committees of the Association. He shall, in addition to the duties imposed upon him by other portions of these By-Laws, take any and all measures necessary to assure that proper notices of meetings be given to the members and that an agenda be prepared for each meeting.

He shall sign on behalf of the Association, all formal written contracts and legal documents to which such signature may be required or appropriate. He shall have such other powers and duties as may be conferred upon him by the Council.

3. The Secretary-Treasurer shall be elected by the Council from the Director Representatives. He shall be ex-officio Chairman of the Administrative Committee. He shall join with the President in signing on behalf of the Association any formal written contracts or legal documents to which such signature may be required or appropriate. He shall be responsible for issuing notice of all Council meetings and preparing and maintaining minutes of all Council meetings. He shall supervise the Executive Officer in all matters pertaining to the receipt, handling and disbursement of the funds of the Association. He shall have such other powers and duties as may be conferred upon him by the Council.

4. The Executive Officer shall be chosen by the Council. He shall be a full time, salaried employee of the Association. He shall have the functions indicated for his position by the provisions of the Articles of this Association. He shall have charge of the office of the Association and shall have authority to employ such office help and procure such equipment as may be necessary and proper for the efficient operation thereof. He shall, subject to the supervision of the Secretary-Treasurer, receive, deposit and disburse the funds of the Association in accordance with the budget established by the Council. He shall at all times devote his best efforts to advance the affairs of the Association in a manner consistent with the aims, purposes and principles set forth in its Articles of Association. He shall cooperate with and assist the elected officers in the performance of their

duties and functions. He shall have such further powers and duties as may be granted or required by the Council.

5. The President and the Secretary-Treasurer may call upon the Executive Officer and his staff for assistance and clerical service in the performance of any of their duties and may delegate performance of ministerial functions to them.

6. The President, Secretary-Treasurer and Executive Officer shall be ultimately responsible to the Council as the management group of this Association. Each of these officers and any employee of the Association shall be subject to removal by the Council at any time without cause, subject only to the contract rights of any employee who may have been employed for a fixed time by or pursuant to authority from the Council. Vacancies occuring in the offices of President or Secretary-Treasurer by reason of death, disqualification, resignation or removal shall be filled by the Council for the remainder of the term of such vacant office.

7. The terms of office of the President and Secretary-Treasurer shall commence on July 1 following the Spring meeting at which they were elected and shall end June 30th the following calendar year, provided that the first officers shall be elected as soon as practicable after July 1, 1959 and shall serve until June 30, 1960.

8. No elective officer shall be elected to serve two consecutive terms except by unanimous vote of the members.

9. The offices of President and Secretary-Treasurer shall not be held simultaneously by Representatives of the same member.

VI

Administrative Committee

The Council may establish an Administrative Committee to consist of the Secretary-Treasurer, ex-officio, as Chairman, and two or more Director Representatives other than the Chairman. Such committee shall have such powers as may be conferred upon it by the Council. It is contemplated that the Council shall delegate to the Committee the authority to handle the business affairs of the Association so that in practice the Council shall devote itself to matters of policy as distinct from administration. The Committee shall make periodic reports of its actions to the Council.

VII

Finances

The Council shall provide for the financial support of the Association. For that purpose the Council shall have the power to assess members for such amounts as may be reasonably necessary for such support and to fix the time for payment of any such assessment.

VIII

Fiscal Year

The fiscal year of the Association shall begin July 1 in each calendar year and end June 30 in the following calendar year.

IX

Membership

Admission to or withdrawal from membership shall be governed by the terms of the Articles of Association of this Association.

X

Amendments

Amendments to these By-Laws may be made by a two-thirds vote of the members.

Beginning at 3:10 p.m. I attended the meeting of the Representative Assembly in Room 155 Dwinelle Hall. After approval of the minutes of the last meeting, President Kerr (who serves as Chairman) announced that he intends to refrain from presiding regularly at meetings of academic bodies of which he is chairman at this and other campuses, because he thinks it is more appropriate for the vice chairman (who is elected) to preside. Therefore, Frank Kidner will preside at our meetings of the Northern Section of the Academic Senate. Kerr also said that he prefers to sit in the audience in order to be able to participate in discussions and to be available to answer any questions which members would like to address to him as President.

Denzel Carr took him up on this offer immediately, asking for a description of the status of negotiations regarding the establishment of new campuses. Kerr gave a brief summary of progress in this area, but commented that, in his opinion, the new campuses could not be developed in time to relieve existing campuses from the pressures of the anticipated increase in enrollment over the next several years.

The main item on the meeting's agenda was consideration of the report by the Committee on Academic Freedom, presented by its chairman Frank Newman. Newman opened the discussion by remarking that he recognizes that the language of the report is very hard-hitting and has been very controversial. He indicated that the members of his committee had met twice with President Kerr during the last week and that at a meeting this morning it was unanimously agreed that the report should be altered. He then turned the floor over to President Kerr. Since Kerr's address contains such an excellent summary of the history of the issue, I am attaching a copy of the published text.

Newman then continued with the report of his committee, prefacing the presentation of their new recommendations by saying,

> "It will be clear to members of the Assembly that not all the statements made by President Kerr can be endorsed by all the members of the Committee on Academic Freedom. Nonetheless, because of our high regard for his leadership and the obvious importance of his views, because of the special significance of certain of his comments regarding powers of the Senate and The Regents, and because of our belief that further study and consultation on this difficult matter are indeed desirable..."

The main change in the report was a charge to the Committee on Academic Freedom "to consider the problem of freedom of discussion in the classroom that is discussed in Part I of this report (pp.30-32), and consult with the President regarding the problem whenever appropriate." After a long debate, the motion to accept the changes was passed.

Also of interest was a discussion which evolved from the Report of the Committee on Admissions, presented by E. B. Roessler (Vice Chairman of the Board of Admissions and Relations with Schools), concerning special entrance requirements by the Colleges of Engineering and Chemistry. Bill Fretter and Lincoln Constance objected quite vehemently to the program on the basis of its possible effect on other colleges of the University.

At 6 p.m. Frank Kidner and I met with Clark Kerr to go over the question of the choice of an Executive Officer for the AAWU. We discussed such names as Al Uhlm, Vic Kelley, Bill Reed and Tom Hamilton. We suggested that at least Bill Reed and Tom Hamilton should be invited to the June 8th meeting of the

President Kerr's Statement to the Representative Assembly
May 25, 1959

"On October 28, 1958, the Representative Assembly of the Academic Senate, Northern Section, adopted by a voice vote a resolution providing that "... reports by a teacher concerning the beliefs, attitudes, activities, and associations of a student regarding religion, politics, and public affairs in general, are not permissible when the reports are based on information acquired by the teacher in the course of instruction or in the course of other student-teacher relations that involve the student's academic program."

On December 11, 1958, the Representative Assembly defeated a motion to reconsider the Resolution of October 28 by a vote of 22 yesses and 30 noes.

On January 6, 1959, the Executive Committee of the Associated Students of the University of California, Berkeley, expressed its concern that the Resolution "may inhibit the faculty of the university in their preparation of full and discriminating letters of recommendation about students who have demonstrated in the course of student-teacher relations an active interest in public affairs as a complement to their academic progress--a trait of great concern to many prospective employers, both private and governmental." The Committee also stated "further concern over the portions of the resolution which would appear to prohibit a member of the faculty from disclosing information received in the course of other student-teacher relations to help students facing charges regarding their activities in politics or public affairs in general." The Committee then suggested that the Assembly modify its Resolution to permit a student "by personal request" to "authorize a faculty member to speak or write in his behalf."

A member of the faculty requested a ruling regarding the jurisdiction of the Assembly to pass such a resolution binding upon members of the faculty. On February 13, 1959, the Committee on Rules and Jurisdiction of the Academic Senate ruled unanimously (1) that under the By-Laws of the Academic Senate the Resolution was "a formal expression or will of an assembly" but was not "legislation"; and (2) that the power delegated to the Academic Senate by the Regents "does not apply to the case at hand." On March 4, 1959, the General Counsel of the Regents expressed to the President his conclusion "that the Regents have not delegated to the Representative Assembly authority to adopt a binding resolution of this character. Accordingly, I am of the opinion that it does not establish a rule of the University which must be enforced administratively against persons who do not conform to it."

At this meeting of the Representative Assembly on May 25, 1959, a report of the Committee on Academic Freedom has been presented commenting on these jurisdictional rulings and asking that as a consequence the Resolution of October 28 should be rescinded.

Against this background of events I should like to make the following comments:

First, the Assembly does not have before it, in my view, any basic disagreement over the importance of academic freedom. I personally endorse, and I am certain all of us here today endorse, the statements in the Resolution "that freedom of discussion in the classroom and in academic consultation is fundamental to higher education" and that the "essential freedom of a university can be seriously jeopardized if argument and expression of opinion are inhibited, particularly in those subjects which are held controversial in some quarters and at some moments in history." The whole academic community--faculty, students, Regents, administrators--support these general principles of freedom of discussion. Tangible and important evidence of the extent to University support of the essentials of academic freedom was given only this year when in December, 1958, the Regents adopted by a unanimous vote a provision, requested by the Academic Senate, to guarantee formally the tenure of faculty members.

The question before the Assembly today is rather that of what action it desires to take as a result of the rulings of the Committee on Rules and Jurisdiction and the General Counsel of the Regents that the Assembly does not have power to implement its concern with freedom of discussion in the classroom by enacting a rule directing members of the faculty not to make certain kinds of reports concerning students to government investigators or others and subjecting to administrative discipline any faculty member who disobeys that rule. The Report of the Committee on Academic Freedom suggests that General Counsel Cunningham made a far broader ruling to the effect that the Assembly has no power to enact rules "which encourage free discussion in the classroom;" or "to enact rules regarding free speech" in the courses of instruction. But it is important to observe that the opinion both of the Committee on Rules and Jurisdiction and of the General Counsel did nothing of the sort. Instead they were carefully limited to ruling that the Assembly has no power to enact this particular binding rule and did not intimate any opinion on any other types of rules which relate to free discussion in the classroom.

The Report of the Committee on Academic Freedom states that "there appears to be available no practicable procedure for testing Mr. Cunningham's ruling" and hence recommends that the Assembly rescind the October 28 Resolution. May I make it clear that there are clearly defined ways in which this Assembly, if it wishes to do so, may seek further consideration of the jurisdictional questions posed here. Insofar as the issue relates to the ruling of the Committee on Rules and Jurisdiction that the Resolution was not in the form essential to enact binding legislation under the By-Laws of the Academic Senate, I am certain there are procedures within the Senate to review that ruling. With respect to the opinion given by General Counsel Cunningham, the Assembly may, of course, request that the President uphold the Resolution despite that opinion. In the event that such an appear is unsuccessful the Assembly may initiate proceedings under the By-Laws of the Senate to request from the Regents themselves an interpretation of the powers they have conferred upon the Academic Senate.

Second, I wish to respond to the implied criticism in Part II of the Report of the Committee on Academic Freedom that the President and the General Counsel defaulted in an obligation to consult with the members of that Committee or other proponents of the Resolution in connection with actions taken by them. On this issue, a brief chronology of events will show that this criticism has little foundation in fact.

(1) The original report of the Committee recommending adoption of a resolution creating binding rules upon faculty members was presented to the Assembly without any prior consultation with the President or the General Counsel. Even though it was clear that the report involved administrative problems of immediate concern to the President and that it involved questions of interpretation of the Standing Orders of the Regents, the members of the Committee did not consult with either of these officials (or even notify them of their proposed resolution) prior to making their report. In fact, at no time, not even after these questions were sharply raised and debated at the December 11 meeting, has the Committee sought such consultation.

(2) After the December 11 meeting a member of the Academic Senate wrote to the President raising the question of jurisdiction of the Assembly and asking in what sense, if any, the Resolution was binding upon members of the Senate. Since a legal question was raised, the President asked the opinion of the General Counsel who responded with the letter quoted from above. Let it be clear that the President requested this advice and that at this point it was up to him whether to accept it or not.

(3) After considering the opinions of the Committee on Rules and Jurisdiction and the General Counsel, the President drafted an announcement which reported the opinions and concluded as follows: "Because it thus appears that the Academic Senate does not have the power to make rules of this type, the October 28, 1958 resolution shall not be regarded as a rule of the University and shall not be enforced administratively on any campus. The resolution is instead, as the Committee on Rules and Jurisdiction has said, 'The will of the body.'" Before deciding to issue this announcement the President asked the members of the Committee on Academic Freedom to meet with him to discuss the problem raised At the request of the Committee made at that meeting, the President asked General Counsel Cunningham to discuss the legal issues with the chairman of the Committee and such a discussion was held. The day following this discussion the chairman of the Committee wrote a letter to the President informing him generally of the action he intended that the Committee should take.

(4) Without further consultation and without awaiting formal action by the President announcing this decision with respect to the Resolution, the Committee on Academic Freedom prepared and had printed and distributed the Report which is before you today. Prior to this statement I am making now, no public statement had been made or official action taken by any administrative officer with reference to this issue. Third, I would like now to report to you for the first time my own position with reference to this Resolution.

As to the jurisdictional issue, I agree with the opinions which have been rendered. On the face of the language I find it a strange construction of the words in the Standing Orders of The Regents "authorize and supervise courses of instruction" to suggest that they include the power to instruct members of the faculty not to discuss certain matters relating to students with government investigators and prospective employers Such a "mandatory" order would be, to the best of my knowledge, without precedent in any institution of higher education in the United States. It is true that on May 19, 1955, the Haverford College Faculty had before it a committee report on this general subject. That faculty, instead of attempting to enact a binding rule, accepted the report "as a series of advices to be included in the 'Information for Members of the Faculty.'" And I have recently been informed by President Borton of Haverford that since the report "was accepted by the Faculty as a series of advices, it is not binding on the Administration to take any disciplinary action in enforcement." Had such a position been taken here, the problem we are now discussing would not have arisen.

I have also had called to my attention a newspaper editorial suggesting that similar action had been taken at Columbia. However, I have been in communication with President Kirk and he informs me that the Columbia faculty has not taken such action.

Not only has such power never, to my knowledge, been exercised elsewhere in higher education in the United States, it has not, nor anything remotely resembling it, been exercised by this body Thus to read into the language such a "mandatory" power seems to me to go far beyond any intent reasonably to be construed in keeping with the practices and mores of the academic community. It has been said that the Senate has lost one of its powers but it can hardly lose something it never had. Moreover, I doubt that the Regents themselves have such a power to confer on this or any other body; the power so to determine the relations between a citizen and his government. Nor do I think they have the converse power to enforce such reporting.

It has been suggested (see, for example, the last paragraph of the letter from Professor Newman set out in Appendix N of the Report of the Committee on Academic Freedom) that the Representative Assembly was only exercising the power to "enact a binding rule" and not "the power to prescribe enforcement policy regarding a binding rule." It was stated for the Committee during the December 11 meeting of this Assembly that the "Committee desires to establish the same injunction against violation of confidence that applied, for example, in the case of deliberations of the Privilege and Tenure Committee or promotion committees. No new sanctions or penalties have ever been contemplated by the Committee, which views this Resolution as simply one of many rules prescribing or proscribing faculty conduct."

I am not certain just what is intended by these distinctions. If they mean what they seem to mean (that the Assembly has passed a binding rule but has not created any administrative obligation to enforce that rule) then I fail completely to understand why the Committee argues so vigorously for a "mandatory" rather than a

"permissive" resolution and why it has protested so strongly the two ruling noted above. Also, would it not be the greatest fraud of all to have a "mandatory" rule which will not be enforced, yet assure students by the very mandatory character of the words that they can depend on it? Now, it may be said that the students are "sophisticated" and know it will not be enforced--but then this is only a statement "for the record" and not a serious policy. Certainly it cannot realistically be described as a rule which gives "compulsive support" to "freedom of discussion in the classroom."

But more important issues are at stake here if the Resolution really is "mandatory." Assuming that this Assembly had the power to create a rule which it would be the duty of the administration to enforce, serious problems of academic freedom are raised. It is apparent that the faculty is closely divided with reference to the Resolution and that many faculty members feel strongly that the Resolution constitutes an unwarranted invasion of their academic freedom and an undue restriction upon their freedom to support and defend their students. Yet the Resolution is "mandatory" and is described as "compulsive action." And I have been told by a representative of the Committee that discharge, after warning, is the intent of the Committee. However, the Resolution makes no provision for the conscientious objector for the faculty member who as a matter of conscience wishes, for example, to place in perspective the views of a student or who places a high valuation on his objection as a citizen as well as a member of a particular profession.

If this Resolution were mandatory, still other basic problems would be raised. How should the administration go about enforcing a resolution such as that involved here? How can it be discovered what the faculty member said to the investigator in the privacy of his office or his home? Should an annual oath or affidavit be required? Should we employ our own counter-investigators? Obviously, any sincere efforts to enforce this regulation would be extraordinarily destructive to the peace of mind and the effectiveness of our University. Such efforts would create insupportable tensions and strains within our academic community.

Thus (1) I do not think the power resides in this Assembly to enact such a binding resolution. (2) If it did, and if such a mandatory resolution were adopted, it would be a fraud against the students not to enforce it. But (3) effective enforcement, by the nature of the situation is virtually impossible. And (4) efforts at enforcement would be most damaging to the position, the structure and the morale of our University. Consequently, (5) I would prefer to rely in this area, on the conscience and the good judgment of the individual faculty member.

May I conclude by saying that we are all devoted to "freedom of discussion in the classroom," and also in this Assembly. I also want to express my hope that we can deal with this matter in an affirmative fashion. And I trust, whatever happens, that the faculty will not cease to be concerned with the impact of the pressures for conformity in our society (including some of those expressed in the form of loyalty investigations) upon academic and student freedom and with the search for the best methods by which the University can

resist those pressures. I conceive it to be one of the primary duties of university administration to support affirmatively free discussion of all issues within the University and to protect actively students and faculty from any unfair or unwarranted restrictions resulting from such discussions. I would welcome the opportunity to work with any committee of the Senate in seeking effective means of extending such support and protection."

AAWU in the Clift Hotel in order to make a final choice. Tom Hamilton would probably require a salary of $15,000 per year. I promised to call somebody at the University of Pittsburgh to get a line on Tom Hamilton (I have in mind calling my physicist friend David Halliday).

During dinner at home Helen told me that she again furnished the refreshments for the Cub Scout pack meeting at Phyllis Fisher's this afternoon. (She has this responsibility for the whole month of May.)

During the evening we took Pete to his Boy Scout meeting at Stanley School.

Tuesday, May 26, 1959

This morning I went directly to my Chancellor's Office in Dwinelle Hall. I signed a number of letters, including the following: to Lieutenant Governor Glenn M. Anderson, sending him material regarding educational television; to President Kerr, criticizing the use of the term "over-maximum" in relation to non-academic and academic salary scales; another to Kerr, transmitting the proposal by the Department of Near Eastern Languages for a contract with the Office of Health, Education and Welfare for the development of instruction and research in Hindi and Urdu under Title VI-A of the National Defense Education Act; and to Arleigh Williams, informing him of the Regents' approval of his appointment as Associate Dean of Students and Dean of Men for the Berkeley campus effective July 1, 1959 at a salary of $11,500.

I read a letter from Gunnar Jarring (Ambassador of Sweden to the United States) thanking me for the kind reception during his recent visit to the University and inviting me to visit with him on one of my trips to Washington.

From 11:30 a.m. until noon I met in my Chancellor's Conference Room with eight science writers and two interpreters from Japan, together with two Asia Foundation representatives, William Eilers and Robert Sheeks, and John Foster (Columbia School of Journalism). The visit was arranged by Robert Blum (President of the Asia Foundation in San Francisco). I discussed with these Japanese representatives from leading newspapers, science magazines and radio and television, the area of science writing for public media in the United States and I gave them a copy of my book Elements of the Universe. They had met with Dan Wilkes earlier and are scheduled to attend a luncheon in the Women's Faculty Club that will include Charles Hulten, Dan Wilkes and Yuki Akimoto (a visiting scholar in Chemistry from Japan) and then to visit the Radiation Laboratory in the afternoon.

Beginning at a little after noon I presided over the meeting of my Cabinet in the Chancellor's Conference Room. Present were Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong and Wilkes--i.e., full attendance. We discussed our vacation schedules- I will be away for the month of July on vacation.

I announced the possible trip to Russia this fall for Hart, Jelavich and Calvin in order to arrange an exchange program with a University in Russia (possibly Kiev), reported on the meeting of the Joint Advisory Committee last Friday and on the special executive session meeting of the Regents Committee on Educational Policy week before last to discuss the "Teller Proposal" for a possible scientific engineering school to be housed at the Parks Air Force Base.

We discussed Mauchlan's draft of a memo to Kerr, criticizing the operations of the Berkeley campus Registrar's Office (Gilliam) along with a draft statement of University policy regarding discrimination by student organizations and the draft statements regarding student government, use of University facilities and recognized student organizations.

I told them that I believe that we will be allowed to use our discretion on distributing Budget Committee comments to multi-department deans regarding promotions and appointments.

Sherriffs told us that 74 faculty fellows have been nominated by departments and that he will be responsible for the selection of 32 from this list.

It was agreed that a committee will be appointed to advise me on general principles to be followed should the establishment of a separate graduate student association be recommended; graduate students have been separated from ASUC so that ASUC is now composed only of undergraduates.

Hart indicated that the Committee to Select a New Director of the Art Gallery has asked whether it may consider candidates not now on campus and it was agreed that every effort should be made to appoint someone now on the faculty who would assume this additional duty.

At 2 p.m. I had an appointment with Bill Fretter to tell him that he is one of the candidates being considered for Director of the Space Sciences Laboratory. I told him that if he didn't do this, I would appoint him Vice Chancellor in place of Ed Strong, who is going on sabbatical next year. I said that I don't know which he should take, but indicated that the directorship might not be consistent with his job placement here next year or with his sabbatical plans for next year. Fretter indicated that the question of the directorship should be my decision, but I told him "not necessarily"--that he should be the one to decide.

Immediately after my appointment with Fretter, I had an appointment in my office with Mrs. Elliott (Field Research Office in San Francisco) who interviewed me regarding the use of TV for instruction, especially "Continental Classroom", in connection with the Ford Foundation study she is working on.

Starting at 3 p.m. I had a somewhat shorter than usual weekly meeting with Lincoln Constance. He told me that 1204 students in the College of Letters and Science are currently on probation and asked my and Kerr's advice with regard to the number that should be dismissed. I told him that it is the President's strong wish that the number of dismissals remain at about the same level as in the seven preceding semesters of his deanship, that is, 300-400, and he assured me that he would endeavor to make the pattern of dismissals conform to this level.

In connection with Leo Postman's proposal for an Institute in Learning Process, I asked him to call Postman's attention to a summer program to be held at the Whitney estate, Woods Hole, June 13- July 3, 1959, to be led by Jerome S. Bruner (Harvard).

Then I called his attention to the interest in this program and general subject of Randall M. Whaley (Executive Director of the Advisory Board on Education, National Academy of Sciences-National Research Council) and suggested that Postman be urged to get in touch with Whaley and perhaps to attend the Woods Hole meeting. I said that in general I approve the direction of Postman's proposal.

I agreed with Constance's suggestion that Alden H. Miller assume the chairmanship of the Department of Paleontology for the academic year 1959-60 to give the department a final chance to demonstrate that it can function as a unit.

After my meeting with Constance I went to the International House to join the ongoing meeting of the Board of Directors and took over as Chairman. I made note of the fact that the terms of membership on the Board of Charles Wheeler and Thomas C. Blaisdell expire at this annual meeting and expressed appreciation for their service on the Board for the past six years and in the case of Mr. Wheeler, somewhat longer.

Alex Sherriffs reported on matters pertaining to the relationship between International House and the University and we had a general discussion of the revised plan for foreign student services.

I drove home and picked up Helen and we drove to the St. Francis Hotel in San Francisco to attend the annual meeting and dinner of the California Law School Association upon the invitation of Archibald M. Mull, Jr. (President of the Association). Following cocktails in the Green Room, we had dinner in the Colonial Room and then following dinner, there was a short business meeting, after which I was introduced for my remarks.

I began my remarks by acknowledging the presence of President Mull, and of Peters, Roger Traynor, Draper and Bill Prosser. I then went on to give my impressions as Chancellor, described my inauguration ceremony, paid tribute to Bill Stricklin and Roger Samuelsen and their sometimes confusion of introducing me as "Clark Seaborg" (a juxtaposition of Clark Kerr and Glenn Seaborg), described Mrs. Seaborg's new life as a Chancellor's wife (attending teas, meetings, meetings with faculty wives) and added that we consequently have a large babysitting bill to take care of our five children while she is away so much. I said that in my position I am getting to know the lawyers and I find that they are different and that Dean Bill Prosser presents a special challenge to work with. I described student government, faculty self government and my involvement with athletic matters. I said that there are two kinds of lawyers: those who are for you and those who are against you. I tried to explain to them why I left the Laboratory to become Chancellor--that I am still continuing in scientific work--and I described the role of my vice chancellors, emphasizing that the Berkeley campus is governed by faculty. I described the legal center that we are trying to set up on the Berkeley campus, characterized it as a fine thing and said it is deserving of the support of the California Law School Association.

Wednesday, May 27, 1959

I drove directly to the Radiation Laboratory to attend the meeting of the Associate Directors. During the discussion I agreed to press again with Jim Killian and the President's Scientific Advisory Committee the question of

doing away with the quid pro quo criterion for exchange of visits to laboratories between Russian and U.S. scientists. For example, Rad Lab scientists' visit to Dubna don't count to allow Russian scientists to visit the Rad Lab. I agreed that I will get in touch with Vice President Nixon to suggest that he have Luis Alvarez as a scientific consultant for his July visit to Russia since Alvarez will be there for a scientific meeting at that time.

After the Associate Directors meeting I met with Ed Teller and Iz Perlman in their role as members of the Selection Committee for Director of the Space Sciences Laboratory. They told me they are considering for the directorship John Simpson (University of Chicago), John Marshall (University of Chicago, on leave to Los Alamos) and Dick Latter (Rand Corporation). In answer to their question as to the type of laboratory contemplated, I told them to consider it to be like the Radiation Laboratory .

At 10:45 a.m. I had a conversation with Darrah Thomas, who told me that Munford's organization has given $2500 less than he needs for his exchange stay in Russia and he wants to know if I can help; I said I doubt it, but that I will let him know.

While I was still on the Hill, I signed a letter of recommendation for Glen E. Gordon to Gary Noss (Los Alamos Scientific Laboratory) in which I described his research experience as my graduate student, said that he is finishing his Ph.D. degree this summer, that he has an excellent scholastic record, is a thinker and a very effective speaker with splendid personal characteristics.

I drove down to my Chancellor's Office in Dwinelle Hall and soon after arrival went into the Chancellor's Conference Room to preside over the luncheon meeting of the Chancellor's Advisory Administrative Council (CAAC), the last one of this semester. The members present were R. G. Bressler, M. Chernin, D. Coney, L. Constance, J. P. Danton, C. C. Gilliam, J. W. Cowee for E. T. Grether, J. D. Hart, R. Kerley, F. L. Kidner, G. C. Kyte, E. M. McMillan, M. T. Morris, N. M. Mundell, C. F. Garland for M. P. O'Brien, K. S. Pitzer, W. L. Prosser, K. A. Ryerson, A. C. Sherriffs, C. E. Smith, M. A. Stewart, K. B. Stoddard, H. E. Stone, E. W. Strong, H. J. Vaux, O. W. Wilson and W. W. Wurster. Also attending was T. R. McConnell (Director of the Center for the Study of Higher Education).

I gave a rather detailed report on the meeting of the CCCO held in La Jolla on May 13th and a report on the meeting of the Joint Advisory Committee held here in Berkeley last Friday. I told them that the Committee (with the aid of a small staff) is to make recommendations concerning a Master Plan for higher education in California. The University favors a tripartite system; the state colleges favor virtually a second University system. I admitted to the Council that the Committee's discussions of these broad issues have been very difficult.

There was general agreement that with registration by mail, there is no longer a need for faculty advisors to spend the whole registration week in advising returning students.

I emphasized the importance of the President's directive concerning economy in air travel, saying that it would be interpreted reasonably.

The meeting was adjourned at 3 p.m.

When I returned to my office I signed a letter to John L. Kelley (Mathematics) asking him to serve as a member of the Committee to Recommend a New Director for the Computer Center, and a letter to Edward J. Brunenkant (Chief, Industrial Information Branch, Technical Information Service, U.S. Atomic Energy Commission) indicating that Paul Chambre of our faculty will not be available to write a book on mathematics for nuclear engineers as he (Brunenkant) has requested.

Among the memoranda I read were one from Bob Kerley, submitting for my approval a revision of the detailed parking rules to be effective July 1, 1959 (I approved); a letter from Stan McCaffrey, informing me that at the meeting of the Southern Alameda County California Alumni group held in Niles last Thursday, he meet a young man by the name of Dick Elliott, whose mother operated the boarding house that I lived in during 1935-36 as a graduate student; a memo from William W. Monahan, saying that Clark Kerr wants me to know that Ed Pauley would like the Ballroom in the Student Union Building named for Mrs. Pauley, as a gift from him, that Edward H. Heller would like the lounge there named for his mother as a gift from him, and that the Walter Haas' wishes concerning the naming of a room should be clarified; a letter from Kerr, thanking me for my contribution to the California Student Center campaign and informing me that friends of the University have provided $2,350,000 to make the new Student Center possible; and a letter from George C. Tenney (Chairman of the Engineering Advisory Council) enclosing the resolution of commendation in connection with the retirement of Dean Mike O'Brien.

I also read the minutes of the meeting on Friday, May 15th of the Chancellor's Advisory Committee for Teacher Education. Among other things, this group recommends that I write to State Superintendent of Public Education Roy Simpson to propose that a teaching major in chemistry and a teaching major in physics be added to the present teaching major in physical science for the general secondary credential.

A memorandum from Sandy Elberg summarizes some general principles for the location of buildings in the Strawberry Canyon area and includes the recommendation that in the canyon between the Poultry Husbandry Building and the Botanical Garden there be located the Environmental Physiology Laboratory (Nello Pace's), the Biomedical Laboratory complex (Lawrence Radiation Laboratory), the Photosynthesis Laboratory (Rad Lab), Inorganic Materials Laboratory (Rad Lab) and on Fog Bluff (that is, up towards Grizzly Peak Boulevard) the Leuschner Observatory (Astronomy) and Lawrence Radiation Laboratory shops, warehouse, Laboratory Engineering and Development, Health Physics, Plasma Research buildings and an administrative building. He also suggests that if Chaparral Hill is acquired, the Lawrence Memorial Hall of Science and the Center for Continuing Education (UC Extension) would be located there.

Responding to an invitation from the Permanent Housing Committee of the University Village Association and Jim Martin and Gary Svikula, Alex Sherriffs and I and some members of the Chancellor's Advisory Committee on Student Housing visited University Village on the Gill Tract this afternoon beginning at 4 p.m. Martin and Svikula met us there and we visited one, two and three bedroom apartments in Gill Court, Kula Guld and Codornices. The visit ended with the serving of tea and refreshments in the third apartment.

Following this, I drove to the campus and went to the Senior Men's Hall for a meeting of the Order of the Golden Bear following dinner.

Thursday, May 28, 1959

This morning in my Chancellor's Office I signed a number of letters, including one to Clark Kerr, requesting $22,458 to apply to the matching fund required for acceptance of $202,121 as a second federal capital contribution to the Berkeley campus National Defense Student Loan Fund from the U.S. Office of Education; another to Kerr, requesting approval of a proposal to the Office of Health, Education and Welfare in the amount of $24,368 for our program in East European Languages and area studies under Title VI-A of the National Defense Education Act of 1958; still another to Kerr attaching a letter from George Papenfuss (Chairman of the Marine Laboratory Committee) requesting that we ascertain the availability of a certain area in the Del Monte Estates for the establishment of a marine laboratory; one to the Award Committee of the Scientific Apparatus Makers Award in Chemical Education of the American Chemical Society, strongly supporting the nomination of James B. Ramsey (my physical chemistry teacher at UCLA) to receive the Scientific Apparatus Makers Award in Chemical Education; to Dick Powell (Chemistry) expressing great pleasure at his recent receipt of a College Chemistry Teaching Medal (and accompanying prize) for 1959 from the Manufacturing Chemists Association; to Majid Rahnema (Consul General of Iran in San Francisco) saying that the University of California is pleased to share the sponsorship of the Centenary of Fitzgerald's "Rubaiyat" program; to Bruce E. Butt of St. Harrisburg, Pennsylvania, explaining that the appearance of James R. Hoffa on the campus to talk to a student group was not sponsored by the University or one of its faculty members as the newspaper accounts indicate.

I phoned Ken Pitzer to inquire whether he would like to serve as Chairman of a Chancellor's Advisory Committee for Teacher Education and he indicated that he would rather not and suggested as possibilities Bernard Friedman (Mathematics) or C. W. Jones (English).

I also told Ken confidentially about the Teller proposal for an Institute of Applied Science at Livermore (or Parks Air Force Base) and he pointed out problems having to do with competing with our own College of Engineering, that it is a particularly bad location if it is to become a complete campus, that it would need to go for approval to the Academic Senate Educational Policy Committee, and so forth. He mentioned the problem of how Livermore reports to the University administration, which has been discussed by the University of California-Atomic Energy Commission Committee. At present it appears that Teller would rather report directly to the President as does Los Alamos.

I mentioned the possibility of a follow-up committee to consider how to handle high school people who have taken extra work in high school when they come to the University (an issue that came out of our meeting with high school superintendents on May 21st). He suggests that George Pimentel, who ran the school NSF programs and helped to design Bruce Mahan's special chemistry course for exceptional people, might be a good man for this committee and that Bruce Mahan himself might also qualify. This committee might have members from Chemistry, Physics and Mathematics and would cooperate with high school superintendents to figure out how to handle high school graduates with advanced study in these subjects resulting from extra work.

At 11 a.m. I called Tom Cunningham and told him that Weiner may come up earlier than my trip south in June and if so, he will call me and I will see him then. I would like to have Mortimer Smith in on this, too, if possible. I said that I would like to see Pete Elliott and Pete Newell about Weiner but that I would want to talk with Greg Engelhard first.

At 11:15 a.m. Ed Strong and I met with Dean Mike O'Brien, Harmer Davis and Howard Eberhart of the College of Engineering. Among other things we discussed the request from the U.S. Atomic Energy Commission that Paul Chambre might be given release time to write a book on mathematics for nuclear engineers and I indicated that I have decided to go along with them in the recommendation that this request for Chambre's services be turned down.

At about 11:45 a.m. I left to have an early lunch with the members of the Department of Air Science at the Faculty Club. Then, after lunch, we went down to Edwards Field to participate in the Chancellor's ROTC review sponsored by the Department of Air, Naval and Military Science and arranged by Sergeant Quigley, Department of Air Science. Following this I went to Alumni House with the ROTC people for tea, coffee and refreshments.

At 2:15 p.m. I had an appointment with Sandy Elberg and Kitty Malloy. I asked Elberg to see whether four buildings (Virus Laboratory, Biochemistry Building, Calvin Laboratory and the Biomedical Laboratory) could be located on the corner of Oxford and Hearst and Elberg agreed to explore this with Calvin and Lawrence, explaining the difficulties we are having in working out locations. I asked Elberg to check further whether the Lawrence Memorial Hall of Science should go up on "Fog Bluff" or whether it might be located on Chaparral Hill, where we have more room, and Elberg said he will call McMillan on this and remind him of my earlier conversation with him on this. We discussed Chaparral Hill and tentatively think that there might be space here for the Lawrence Memorial Hall of Science, the Space Sciences Laboratory, the Animal Laboratory proposed by Frank Beach, the Humanities Institute and the Extension Institute. Elberg will talk to Fretter and ask him to discuss with McMillan the possibility of the Space Sciences Laboratory being built in two stages, due to present lack of space, with the first unit perhaps going up near the Radiation Laboratory with the possibility of the complete Laboratory being located elsewhere later on.

I made a phone call at 2:45 p.m. to David Halliday, my physicist friend at the University of Pittsburgh, to inquire about Tom Hamilton, a candidate to be the head of our Athletic Association of Western Universities. He said he knows nothing adverse about Hamilton, but he will make inquiries (including inquiries to Henry Frank) and will call me back. (He didn't call back, which I took to indicate that he probably found favorable reports.)

I phoned Greg Engelhard and told him that I am going to talk with Pete Elliott and Pete Newell about our athletics problems, but that I will talk with him first. I told him that I have been checking up on Tom Hamilton of Pittsburgh. He said that Bill Reed is also in the picture as the possible Executive Officer of the AAWU; Bill is thinking that maybe he should leave the Big Ten in view of the complicated decision made last week in connection with the Rose Bowl agreement of the the Big Ten with the AAWU. I said that Kerr or I would want to talk with Reed before anything definite is done. Reed will stay over after the June 7th meeting of the AAWU and we could see him Monday or Tuesday June 8th or 9th and I could see Tom Hamilton on June 7th, at the time of the baccalaureate services. I said I am sure that Kerr and/or I will

want to talk with Hamilton and Reed in order to impress upon them the importance of observing the rules of the AAWU.

At 3:15 p.m. I had an appointment with Paul McCoy and then at 3:30 p.m. I met with high school students, Gerald Geiken and Warren Garrison, Jr. (Warren is the son of my friend Warren Garrison in the Radiation Laboratory), of Alamo, at their request, to talk with them about their interest in science. We discussed the rewards of science as a career, the necessity for training in mathematics and the need for hard work in order to be successful and I advised them not to specialize too soon in any area of science.

I drove home and then, from 5 to 7 p.m., Helen and I hosted in our home a service award reception for retiring Berkeley campus employees. Then at 8 p.m. Helen attended a Parents Club meeting at Stanley School.

During the evening I read a memorandum from Bill Fretter regarding the Lawrence Memorial Hall of Science in which he says he has talked to Lionel Viales and asked him to accelerate the production of the fundraising brochure (Viales agreed to postpone his trip to the east) and that the number one order of business is to find the director of the Hall. Viales would be an excellent staff person to help the director temporarily.

Friday, May 29, 1959

This morning I got up early and saw myself at 6:30 a.m. on the educational television broadcast "Continental Classroom" speaking on the transuranium elements.

My first appointment at my office this morning was with Bob Wills, the running back on Pete Elliott's team from Ishpeming, Michigan, my home town. This was just a get-acquainted meeting, because I wanted to learn more about this fellow from Ishpeming.

At 11 a.m. I had an appointment with Virgil A. Cherrington (head of the Department of Bacteriology of the University of Idaho) who is here on a sabbatical leave. He became acquainted with me while he was Idaho's faculty athletic representative and I was Berkeley's faculty athletic representative. This was a courtesy call and he told me that he had been well treated while he was here, that we do well in making the place small in spite of its size, and that he will give my regards to my friend Ernie Wohletz at the University of Idaho.

Ed McMillan called me at about 11:15 a.m. to tell me that he saw me on "Continental Classroom" on TV this morning. He said that he was surprized by the resignation of Jim Killian as Chairman of the President's Science Advisory Committee and I told him that this has no special significance other than for personal reasons and that the George Kistiakowsky appointment as his replacement was announced at the last PSAC meeting.

I then met with Madison Beeler (in his role as a member of the Space Utilization Committee) to discuss space needs of the Foreign Language Council, the Department of Dramatic Arts and the Department of Speech.

At 11:30 a.m. I met with Robert Stollberg (San Francisco State College) who extended an invitation to me from the National Science Teachers Association to

contribute an article to the anniversary issue of their journal, Science Teacher, which is scheduled to come out next fall. I agreed to do a 2,000-3,000 word article on the transuranium or synthetic elements, which is due in June.

I took the afternoon off to play golf.

During the evening I read a number of papers, including a memorandum from Ed Strong to Tom Cunningham commenting on an article on amateur athletics by Dick Hyland in the Los Angeles Times and expressing concern that the University of California is tending to deviate from this principle.

A memorandum from Ray Bressler (Chairman of the Berkeley Budget Committee) suggests that a special committee be appointed to review the qualifications of Bill Wurster for the deanship of the College of Environmental Design and that I talk to Wurster and his department chairmen at an early date to clearly indicate their responsibilities with regard to budget, appointments and so forth, upon which Wurster is not well informed.

A letter from Reinhard Bendix (Chairman of the Department of Political Science) indicates that the Department has been overly aggressive in recent years in urging accelerated promotions to tenure rank. A letter from Ray Bressler (Chairman of the Berkeley Budget Committee) comments on Bendix's letter and points out that the Budget Committee has been vigilant in monitoring promotions in the Department of Political Science.

A memorandum from Bill Fretter says that Hardin Jones is proceeding rapidly on his idea for a Center for Aging Studies and thinks that this should be affiliated with the UC Institute for Human Development.

I also read the report of the Chancellor's Advisory Committee on Discrimination for 1958-59 signed by its Chairman Robert A. Cockrell, and a memorandum from Alex Sherriffs to Clark Kerr saying that we have finally got Allen Blaisdell out of the post of Foreign Student Advisor and into the post of Foreign Student Service Officer and, thus, have got the post of Foreign Student Advisor into the Dean of Students Office and that we have the name of W. Sheridan Warrick from Davis as the appointee for Foreign Student Advisor.

Helen told me that she took Pete for a shot at Dr. Percy Jennings' office this afternoon.

Saturday, May 30, 1959

This was Memorial Day and I spent it with my family.

Sunday, May 31, 1959

I spent the day catching up on some reading of scientific journals and with my family.

Monday, June 1, 1959

I went directly to the Rad Lab. At 11 a.m. I met with R. V. Bartz of Educational Services at MIT and told him I would not have any administrative position for him in the Chancellor's Office. I tried to arrange for him to see Clark Kerr, who was not available; he saw Harry Wellman.

From the Lab I called Bill Wurster and we agreed on the desirability of having a committee to review his qualifications for the deanship of the College of Environmental Design; I instructed Kitty Malloy to inform Kerr of our change of procedure.

Wellman called to ask whether I could attend a meeting of the Liaison Committee in Sacramento on Wednesday afternoon and I said that my schedule would not permit it.

After attending the regular brown bag meeting of the Chemistry Division Senior Staff, I met at 1:30 p.m. with Richard C. Hewlett (Atomic Energy Commission historian) and Oscar E. Anderson, Jr., who were here to ask me some questions about the Manhattan Project and to see Ernest Lawrence's papers. Hewlett says that A. Hunter Dupree of our History Department is a good biographer. (He has just finished a biography of Asa Gray of Harvard.) I should keep him in mind in connection with the Lawrence biography.

I went to the Chancellor's Office to deal with correspondence there. I responded to Reinhard Bendix's letter concerning his reluctant agreement to a recent promotion in Political Science on a borderline case. I noted that such cases are of prime importance in maintaining faculty excellence, and that it is the responsibility of committees such as his to maintain standards.

I wrote to Percy Barr (Forestry) thanking him for his service on the Agricultural Building's Space Commitee, and to Jerzy Neyman expressing doubt that we would in the foreseeable future wish to establish a Department of Meteorology at Berkeley in duplication of that at UCLA.

A memorandum from the State Department which tightens rules on the length of stay of foreign students, scholars and teachers was forwarded to us by Foreign Student Advisor Allen Blaisdell. This has bearing on the Torbjorn Sikkeland and Cyril Birch cases. I informed Sikkeland and Ghiorso of this new policy.

Joseph Kerman informed me that Andrew Imbrie of the Music Department has received a commission from the San Francisco Symphony for a work to be performed next season; I forwarded the information to President Kerr and the Regents.

Bill Fretter forwarded a memo from Hardin Jones about planning for studies on aging by a Monterey group.

In the evening I attended and chaired a dinner meeting of the Institute of Industrial Relations Faculty Advisory Committee and Community Advisory Committee held at the Howard Room of the Faculty Club. Attending from the Faculty Advisory Committee were Eugene W. Burgess (Assistant Dean, School of Business Administration, and Head, Business Administration Extension), Kingsley Davis (Sociology and Social Institutions), E. Paul DeGarmo (Chairman, Division of Industrial Engineering), David Krech (Psychology), George L. Mehren (Chairman, Department of Agricultural Economics and Director, Giannini

Foundation), Maurice Moonitz (Associate Dean, Graduate School of Business Administration), and Robert A. Scalapino (Political Science). From the Community Advisory Committee were Glenn Bowers (Supervisor of Conciliation, California Department of Industrial Relations), John W. Bristow (Executive Vice President, California Processors and Growers, Inc.), Albert Brown (President Central Labor Council of Alameda County), J. Hart Clinton (Executive Vice President, Distributors Association of Northern California), William W. Davison (Vice President, Standard Oil Company of California), Manuel Dias (President, California Industrial Union Council), Sam Eubanks (Executive Secretary, San Francisco- Oakland Newspaper Guild), Glen Ireland (Vice President- Operations, Pacific Telephone and Telegraph Company), V. Wayne Kenaston (Assistant Regional Manager, Federal Mediation and Conciliation Service), J. Paul St. Sure (President, Pacific Maritime Association) and C. T. Spivey (Director of Industrial Relations, Columbia-Geneva Steel Division, United States Steel Corporation). From the Institute were Arthur M. Ross (Director), Earl F. Cheit (Economics), Mason Haire (Psychology), John E. Hutchinson (Coordinator of Labor Programs), Robert Raschen (Coordinator of Management Programs), Margaret Mould (Administrative Assistant) and Kay Lawson (Secretary).

When I returned home, Helen told me that she had attended a luncheon meeting of the Hospitality group with Rose Marie Shepard.

Tuesday, June 2, 1959

I drove directly to Oakland Technical High School at 4351 Broadway, to present the University's Award of Merit. There were two assemblies, at 9:30 a.m. and 10 a.m., and I spoke at each, congratulating the faculty and urging the students to continue striving for academic excellence.

I arrived at the Chancellor's Office to meet Greg Engelhard at 11 a.m. I told him that Herman Weiner will have to stop recruiting. There will be no public announcement, but his name will not be on the list of recruiters. This is confidential until I talk to Weiner. Greg may talk to alumni Henry Frost, Stan Barnes, Herman Selvin, etc. when he is in Los Angeles on June 21st if I have talked with Weiner by then.

I met with Richard L. Soloman at 11:30 a.m. concerning the directorship of the Institute of Human Development. I said that his work and scholarship as Professor of Psychology would be of great importance and that the Institute might be either built around one man's research or used to facilitate several people's research, depending on the director. I was favorably impressed by him.

I met for lunch with my Cabinet in the Conference Room. Present were Chernin, Fretter, Hart, Malloy, Mauchlan and Wilkes. Among noteworthy items on the agenda:

Our recommendations on Bright Young Scientists will go to Kerr unless we receive further amendments from the committee.

Registrar Clint Gilliam has agreed to an investigation of his office but wishes to send in more information before a recommendation goes to Kerr.

Alex Sherriffs is working on the selection of Faculty Fellows for residence halls.

Alex also met with Bud Hastings about separation of graduate students from the ASUC and attendant complications in regard to fees; we agreed that the fees should be as low as possible.

The list of items for the July CCCO meeting was read; items on it were assigned to staff members for recommendations.

At our next meeting we will discuss policies on student government, use of University facilities, and recognized student organizations.

Comments and recommendations on the draft "Statement of University Policy re Discrimination by Student Organizations" have been sent to Kerr.

Dan Wilkes is to write a letter of thanks to the Berkeley Gazette for its excellent stories on the University in its annual edition published last Thursday.

Jim Hart is to suggest names to Sandy Elberg for a committee to study the Miller property.

Hart reported that MacGeorge Bundy of Harvard is working out the agreement with Leningrad University on the basis of the proposals worked out orally with the Russian representatives when they were in the United States; he says it will be impossible to get a written agreement.

At 2 p.m. I met with Pete Elliott and Pete Newell about the Weiner matter. I told them our decision and that we desire to handle it quietly. I will let them know when I have seen Weiner. They pointed out that the older group in Southern Seas are anti-Weiner and the younger men are pro.

I met with Samuel Aronoff (visiting lecturer from Iowa State University). He thinks we have a unique opportunity of filming some of the lecturers on the campus, for posterity. He thinks it would cost $3,000-$4,000 and wonders if there is a possibility of support from the National Science Foundation. He has in mind filming scientists, but this could have wider application. I agreed to consider this suggestion seriously and to let him know.

At my regular meeting with Lincoln Constance, we discussed the possibility of accelerated salary increases for the Griller Quartet. Constance reviewed the history of their status and salaries, despite the fact that there is little opportunity of increases without written departmental requests and review by the Budget Committee and Constance.

We discussed the comments from John Kelley (Chairman, Mathematics Department) and the Budget Committee on the Evans Lectureships in Mathematics. I said I wish to study the matter further.

We agreed that Hubert Coffey should be appointed Clinical Associate Professor of Psychology and I also told him of my favorable impression of Richard Soloman. I informed him that I will be away for the month of July and that Jim Hart will be in charge.

I met with Alex Sherriffs, Bill Shepard, Bob Kerley, Scott Wilson and Mrs. Ruth Donnelly at 4 p.m. concerning residence halls. Units #1 and #2 will barely be ready to open by the Fall Semester. I instructed them to make assignments to the halls conditional on completion, and to notify students that they will receive final notice on or before August 10th.

I took a call from Jack Oswald about naming a room in the Law School Library after Vernon Smith. I will have to be prepared to argue for it at the June Regents Meeting.

I made a call to Ken Pitzer, raising the question of whether Chemistry is adding enough stars to the staff--e.g. Nobel Prize winners--as Physics and Math are doing. He said that for the next couple of years they don't have enough space.

I headed for home, taking work with me from the office. Helen told me about her meeting for lunch with the YWCA Advisory Board at Kay Kerr's.

Going through my papers I took home, I signed a number of letters. I wrote to ask Clark Kerr to seek authority at the June 19th Regents Meeting to arrange for bilateral exchange of faculty scholars between the University and the University of Leningrad for the coming academic year. The program has State Department approval under the Lacy-Zaroubin Agreement. Cost would be supplied by the Ford Foundation or through Harvard.

I wrote to Clifton Barrett inviting him to be a Regents Lecturer for a month of his choice. He is a bibliographer of American literature, nominated by the English Department and the School of Librarianship.

Letters went to Wyatt Durham, thanking him for his services as Chairman of the Department of Paleontology, and to Alden Miller, appointing him Acting Chairman.

I responded to Stan McCaffrey's memo on Museum policy, offering a number of recommendations.

I sent a confidential memo to Chairman A. E. Hutson of the Committee on Committees, suggesting the creation of a faculty committee to review the role to be played by the Dean of the new College of Environmental Design and Dean Wurster's qualifications for the post.

I noted several items of correspondence for my information, including Sandy Elberg's appointments to subcommittees on the Student Center, Sproul Hall, Space Utilization and Defense Department Space Needs.

A message came from Kerr via Gloria Copeland and Anna Carol about the AAWU: Lampear is favorable to Tom Hamilton as Executive Officer. Charles Odegaard is unfavorable to the concept of requiring unanimous consent (i.e. Berkeley, UCLA, USC and Washington would have to be in full agreement for decisions on major issues); Topping will go along with a 3/4 vote. Booth and Kidner have been informed.

I received a nice letter from Senator Hubert Humphrey thanking me for the comments I made in connection with the Hill bill on medical research and telling me that he has excerpted some of my message in making his presentation, as reprinted in the Congressional Record. I am sending copies to Charles Smith, Iz Perlman, Dan Wilkes and Earl Hyde.

Finally, I had a look at an article in today's Berkeley Gazette, reporting concern over the attitude of Governor Brown's administration toward the University,

> "The concern comes down from President Clark Kerr, of the University, is evident in the minds of thousands of alumni, has some legislators jumping up and down and is giving lobbyists for the University nightmares, according to reports. The matter broke into the open recently, when the

Assembly turned down amendments to the State budget to add another five per cent onto the salaries of the University's personnel."

The column is by Henry C. MacArthur, who quotes Assemblyman Don Mulford as saying the Governor's Office killed the amendments and expressing his own concern about maintaining quality if bright young men can't be attracted to the University.

Wednesday, June 3, 1959

I went directly to the Radiation Laboratory for the meeting of the Associate Directors at 9 a.m. I mentioned a letter from William Coblentz (the Governor's secretary) asking for suggestions for State Coordinator of Atomic Activities. The Associate Directors--especially Ed Teller--will try to give me suggestions.

Teller told me the search for Director of the Computer Lab has narrowed to Nick Metropolis (University of Chicago, Physics Department) and Abe Taub (University of Illinois, Mathematics Department). They would be very expensive, maybe $20,000.

I mentioned the availability of Vic Schmidt to McMillan, Teller, Fidler and Alvarez.

At noon I went to the Faculty Club for a luncheon meeting with Ernest Besig (Northern California American Civil Liberties Union), Jack Fowle (Mayor of Los Altos Hills), Attorney Clarence E. Rust, and William M. Roth, who constitute a special ACLU committee to study University of California policies. Alex Sherriffs joined us. It was a pleasant and successful meeting, and we all agreed on the desirability of keeping open lines of communication. We discussed recognition of student organizations, student government, non-recognized groups, a "Hyde Park" area for the expression of opinion and the Newman Resolution.

I went on to the Chancellor's Office and signed several letters: to the American Chemical Society supporting the nomination of Paul L. Kirk for the 1959 Fisher Award in Analytical Chemistry, citing his many contributions to ultra-microchemical techniques; to Buddhist Bishop Shozen Naito of San Francisco asking him to serve as Chaplain at this year's commencement exercises (his son is in the graduating class); and to the National Academy of Sciences, responding to their request for an appraisal of the work of Marvin I. Kalkstein. I also noted receipt of a letter from Henry Taube thanking me for my message of congratulations on his election to the National Academy of Sciences.

I signed 15 letters to the members of the School of Business Administration Advisory Council, asking them to serve again for a two-year term: S. D. Bechtel, Sr. (Bechtel Corporation), James B. Black (PG&E), Paul L. Davies (Food Machinery Corporation), Walter A. Haas, Sr. (Levi Strauss), Harris Kirk (American Trust), E. C. Lipman (Emporium Capwell), N. Loyal McLaren (Haskins and Selles), T. S. Peterson (Standard Oil), Emmett G. Solomon (Provident Securities), Mark R. Sullivan (Pacific Telephone and Telegraph), Judge Roger J. Traynor (California Superior Court), F. B. Whitman (Western Pacific Railroad), Howard Willoughby (Lane Publishing), Jean Witter (Dean Witter) and Brayton Wilbur (Wilbur-Ellis).

I signed a memorandum to Clark Kerr in response to his directive of May 12th requesting review of campus operations for possible economy measures. I told him that his memo is being circulated to all departments, that deans and other administrative officers have been impressed with the need for economy, and that our campus review will be completed by September 30th, and I will report back to him.

With regard to the choice of an executive officer of the AAWU, Kerr would like me to meet with both Tom Hamilton and Bill Reed myself. He prefers Hamilton, whom he thinks would "lend more dignity to the office." I can see Hamilton on Sunday. If the AAWU decides on Hamilton then, there will be no need to see Reed; if not, I will see him next week.

At 5 p.m. I held a cocktail party for the Chancellor's Advisory Administrative Council, the Academic Advisory Committee and the Campus Planning Committee.

Thursday, June 4, 1959

I skipped the Chemistry staff meeting at the Rad Lab and drove directly to the Chancellor's Office, where I met with George Briggs (University of Washington Athletic Department) for a social visit.

Then I went to the Oakland Rotary Club to speak on "The Nuclear Age" at their luncheon meeting.

Back in the Chancellor's Office, I met with Bill Keeler to discuss the IAAB before their meeting next Monday. They are feeling a little left out. I told him we are heading toward more control by the Chancellor--through an advisory group created by the IAAC--and less by students and that I will discuss this with the IAAB on Monday. I reminded him that my attendance at IAAB meetings had been good except for schedule conflicts. I also explained the Weiner matter to him.

I signed several memoranda to Clark Kerr. The first proposed the names of four faculty members from our campus to join with four from Stanford to review the curricula of the San Francisco public schools this summer: Tibor Scitovsky (Economics), Mark Schorer (English), Abraham Seidenberg (Mathematics) and Henry Rapoport (Chemistry).

The second memo responded to a proposal to the Chief Campus Officers that they distribute budget and promotion reviews to deans. The Berkeley Budget Committee opposes this proposal on the grounds of preserving confidentiality; I expressed agreement with them.

The third memo asked Kerr's approval for soliciting a travel grant from the Inter-University Committee on Travel Grants, in order to send Jim Hart, Melvin Calvin and Charles Jelavich to Russia to explore bilateral exchanges.

The fourth memo proposed (in response to the Regents' decision to appropriate $2 million each year for three years for the Lawrence Memorial Hall of Science) that we move ahead immediately to find a director and staff and start planning. I suggested that I meet informally with interested Regents at the June meeting.

I sent letters to the 11 members of my Advisory Committee on Discrimination, including Chairman Robert A. Cockrell, thanking them for their service this year.

I also responded to E. P. Popov's letter of acceptance of the chairmanship of the Division of Structural Engineering and Structural Mechanics, agreeing to his conditions, that we would have a vice chairman and that he will take his sabbatical leave in the spring as planned.

I noted Lionel Viales' memo outlining the qualifications we should look for in a director for the Lawrence Hall of Science and making suggestions as to staff and salaries.

I also noted a report from Milt Chernin on a meeting of the City-University Liaison Committee which discussed plans for waterfront development. City businessmen were pleased at news that the University might be interested in using some of the acreage. I asked that Sandy Elberg be kept informed.

Greg Engelhard sent me a copy of the requirements for the David Starr Jordan Scholarship at Stanford, with a letter discussing financial aid in the Ivy League as well. I asked that he bring the Jordan scholarship information to the IAAC meeting next Monday.

In the late afternoon I got a call from Warren Kraetzer (National Educational Radio and TV Center) about doing a series on the Virus Lab with Wendell Stanley. The National Science Foundation is prepared to give over $100,000 for this project. The money would come to the University and we would subcontract to KQED. He will send me more information in the mail; I said we would give it quick consideration.

Helen took Pete to the orthodontist in the morning. At 5 p.m. I met her at the Kerrs' house for a reception which we jointly hosted for retiring faculty. The retiring faculty present were Eleanor Bartlett, Grace Bird, Donald Cooksey, William E. Farnham, Walter Friedlander, George C, Kyte, Phil S. Grant, Carl Landauer, Charles S. Lipp, Royal A. Roberts, Sherwood Shear, Thomas B. Steel, Hurford Stone, Arthur M. Goff, William R. Ralston, A. A. Tavernetti and Margaret G. Zeff, with their spouses. Department chairmen present were Carl Nordly, Herman Spindt, Ed McMillan, Henry Nash Smith, Milt Chernin, Willard Fleming, Andreas Papandreou, Maurice Moonitz, Frank Kidner, George B. Alcorn, Harold E. Jones, Leon Goldman, Greg Engelhard and Carl Helmholz with spouses (except Mrs. Smith). Others present were Lincoln Constance, Jim Hart, Knowles Ryerson, Alex Sherriffs, Ed Strong and Harry Wellman and their wives.

In the course of the reception, I had an opportunity to talk with Clark Kerr about a number of items. He had a talk with Hugh Burns of the state Subversive Actions Committee and his assistant Coombs. Coombs wants to talk with me about potential Communist cases at Berkeley; I'll arrange through Corley for some time in August, off campus (say, in Sacramento).

I mentioned difficulties in seeing Tom Hamilton and Bill Reed to admonish them on AAWU rules enforcement; I'll try for next Monday or Tuesday. I told him that Engelhard, Elliott and Newell do not appear to be involved in recruiting rules violations. He says that Wally Sterling has accused us of serious violations. Tom Cunningham has Sterling's letter and I should get a copy. I reported on my handling of the Weiner matter.

He told me he is going ahead with using Dan Wilkes for northern California publicity on Regents Meetings and some releases from the President's Office. I informed Dan later by phone. Stan McCaffrey now understands that there will be no statewide public relations officer. The Regents will meet at Arrowhead. Jim Hart should go. I don't need to go to the Champagne Cellar opening in San Jose on Saturday (our wedding anniversary); Emil Mrak will go instead. I mentioned my memo to him about the Lawrence Hall of Science, with which he seemed to agree.

At yesterday's meeting of the Liaison Committee in Sacramento, he got unanimous agreement to go back to my proposal--a Working Committee consisting of three representatives from each of three groups, a neutral fourth member (Coombs of Occidental) and the Joint Staff. The Working Committee would be advised by the Joint Advisory Committee but not report to it. The state colleges will be represented by Glenn Dumke of San Francisco State, the University by Dean McHenry and the junior colleges by some representative not yet chosen.

Friday, June 5, 1959

I drove first to the Chancellor's Office and signed a number of letters: to Dean Stewart relieving him of his duties as Danforth Foundation liaison officer (Donald Shively will do it), to President-Elect Dave Armor of the ASUC asking for his recommendations for student members of administrative committees, to Allen Blaisdell about International House, and to Clark Kerr about exchange agreements with Russian universities and institutes. I also signed memos to Kerr recommending lower fees for graduate students when they are separated from the ASUC and analyzing factors involved in computing faculty workload in connection with graduate students and postdocs. I noted a memo from Errol Mauchlan advising the transfer of Drama, Lectures and Music from Extension to the the Berkeley campus.

At 9:30 a.m. I met with Wally Reynolds, Ed Teller and Ed McMillan to discuss salaries at Livermore. They are 20% below those at Los Alamos. Salaries of division leaders at Los Alamos average $23,500 and at Livermore, $18,000. Teller recommends a 15% increase (with some getting a higher increase and others, lower) to be effective July 1st. We will, of course, need AEC approval. This will be discussed at my meeting with Clark Kerr and Harry Wellman on June 23rd.

At 10 a.m. I met briefly with the Committee on Committees in California Hall.

I returned to my office to meet with Esmond Snell, Louis DeMonte and Sandy Elberg. We discussed the location of Melvin Calvin's lab and the Donner Laboratory. The northwest corner of the campus seems good, with Biochemistry and the Virus Laboratory. An alternative would be Strawberry Canyon, with Nello Pace's lab and the Inorganic Materials Laboratory. We also discussed the Biochemistry Building. Their application to the National Institutes of Health for 50% financing requires a preliminary plan and DeMonte doesn't think it will be possible to meet the July 1st deadline. I said to go ahead and do the best we can; we can make changes later.

I met briefly with George Varvoulis and took a phone call from Wilbur Johns about the proposed meeting this summer to explore the formation of a National

50TH ANNIVERSARY YEAR

1958 - 1959
WILLIAM PALMER
Walnut Creek
Governor, District 516

OFFICERS
President.....William H. Jamison
Treasurer.....Victor C. Wykoff
Exec. Sec.....Edward H. Pitcher
Ass't Sec.....Margaret H. Raines

ROTARY 1909 — 1959 INTERNATIONAL

DIRECTORS
William P. Bradford — Dave Markovits
Robert H. Calloway — James J. McCarthy
William B. Crosson — Frank W. Medanich
Paul R. Handlery — Victor C. Wykoff

Live Oak Editor
Walter Crinnion

ROTARY CLUB OF OAKLAND No. 3

Vol. XLVIII, No. 47 — The Live Oak — June 4, 1959

Program For This Week

GLENN T. SEABORG, *Chancellor*, UNIVERSITY OF CALIFORNIA

"THE NUCLEAR AGE" — ***Chairman*: NORRIS NASH**

THE NUCLEAR AGE

Dr. Glenn Seaborg is a native of Michigan, born of Swedish parents who moved to California when Glenn was quite young. He received his early schooling in Los Angeles County where, inspired by his teacher at David Starr Jordan High School, he found an early interest in chemistry and physics.

Young Seaborg was a typical independent and resourceful high school student with time from studies for paper routes and neighborhood gardening. After graduating from high school he began a series of jobs to put himself through college. These included time as a stevedore, fruit picker, and even cleaning and oiling linotype machines.

He graduated and received his Bachelor's degree from UCLA in 1934 and concluded that nuclear physics and chemistry was the field in which he would like to study further. He commenced graduate work at the Berkeley campus and received his Ph.D. in chemistry from the University of California in 1937.

NOBEL WINNER

As an instructor at the University and later as an Assistant Professor he and his associates discovered several dozen isotopes. In 1940 their efforts during research on the atomic bomb culminated in the discovery of the important radioactive element Plutonium. Dr. Seaborg, together with E. M. McMillan, was awarded the Nobel Prize in chemistry for 1951 in recognition of their work with the transuranium elements.

Dr. Seaborg was on leave of absence from the University to the Metallurgical Laboratory of the University of Chicago from 1942 to 1946. He served as a member of the General Advisory Committee to the Atomic Energy Commission during the period 1946-50. In 1945 he became a Professor of Chemistry at the University of California and was named Associate Director of the Radiation Laboratory in 1954.

In August 1958 when Clark Kerr assumed the Presidency of the University, Dr. Seaborg was appointed Chancellor. He was honored recently by being appointed to President Eisenhower's Science Advisory Committee.

Since 1936 our speaker has written many papers on nuclear chemistry and nuclear physics and related subjects. His experience in this comparatively new field of science and his generally recognized standing as a genius, assures a very interesting program.

Football Conference. Nobody told Tom Hamilton whether or not UC will be represented. I said that Greg Engelhard has probably been putting off an unpleasant job because the word from Clark Kerr is that nobody will go.

I went up to the Rad Lab to have lunch with Tom Wilson of U.S. Rubber and Jim Cobble.

After lunch I met with Charles R. Wilke, whom we are trying to keep in the Department of Chemical Engineering against a competing offer. I told him we can offer him a Professor Step III position plus summer pay. He will discuss this with Mrs. Wilke and may see me again on Tuesday. I said the chances for future raises should be good. I phoned Ken Pitzer and reported this conversation to him.

I also signed a letter to Truman P. Kohman (Carnegie Institute in Pittsburgh) responding to his letter about the NSEC Technical Scope Committee. I agreed that we should go ahead with such a committee, not to be set up as a part of the Board of Directors. I told him that we are looking forward to the arrival of Ronald McFarlane this summer.

At 5:30 p.m. I attended a cocktail party at the Shepards' honoring Arleigh Williams. Helen attended a Girl Scout Court of Awards this evening.

Saturday, June 6, 1959

This is our 17th wedding anniversary. I am grateful to Clark Kerr for relieving me of the responsibility of going to San Jose for the Champagne opening. It's nicer being able to stay home and celebrate our anniversary.

Sunday, June 7, 1959

I got a call from Ted Sherburne at home in the early afternoon. When Kraetzer's material on the Wendell Stanley series comes on Monday, we should get it down to Robley Williams, who will make some needed changes in it. Then we should get it onto the June Regents Meeting agenda and try to get an exception on the overhead, because we are going to sub-contract to KQED.

Helen and I went into Berkeley for the Baccalaureate services, which were held in Faculty Glade at 3 p.m. Students Margaret Kelly, Donalee Fey, George DeLong and Mike Kennedy participated in the service and the speaker was Chaplain Robert Morse of the Episcopal Student Center. He was invited to attend the reception following, which the Kerrs and the Seaborgs gave for graduating seniors and their parents at Alumni House.

After the reception (the Senior Tea) Kerr spoke with me about the letter he had received from Wally Sterling regarding athletics. I said that I disagree with Sterling's basic assumption that the allocation of jobs to athletes solely on the basis of economic hardship is synonymous with morality in intercollegiate athletics. I said that it seems dishonest for him to pretend he doesn't know that we are not using the College Scholarship Service. We agreed that we might answer the letter after July 1st. At 5:30 p.m. I met Pete Elliott and mentioned the letter's reference to the work program. I asked if he, Engelhard and Newell would give me some examples of corrupt Stanford recruiting.

The Senior Pilgrimage, the traditional walk by Seniors to various historic spots on the campus, is tonight; we made our pilgrimage towards home.

Monday, June 8, 1959

I attended the meeting of the IAAC in the Regents' Room at Sproul Hall this morning at 10:30 a.m. We discussed Wally Sterling's letter to Clark Kerr, and I asked Tom Cunningham to send me a copy of the letter and some ideas for a response.

Before and after the meeting, I went through the paperwork in the Chancellor's Office and signed a number of letters: to President Kerr describing the strengths of the Department of City and Regional Planning, to George Dunscomb (Berkeley Gazette) thanking him for the coverage of the University in their Anniversary Edition, to James Baxter regretting my inability to attend the AEC History Advisory Committee meeting at Williamstown this summer, to Rudolf Morf informing him that the University will be represented by Burris Cunningham and Ken Pitzer at the Munich Congress of the International Union of Pure and Applied Chemistry (IUPAC), to Leland Medsker reappointing him Vice Chairman of the Center for the Study of Higher Education, to Chairman of the Regents Don McLaughlin recommending that the Kappa Sigma house be used for faculty research rather than for student housing, to Melvin Calvin congratulating him on his election to membership in the Royal Society, to Stan McCaffrey suggesting minor changes in a statement about coordination of higher education in California, to Maynard Morris thanking him for his work here as he moves to Statewide, and to Henry Vaux thanking him for the report of the Committee on Public Relations. I noted that Carl Nordly had called about planning a swimming program for children at Strawberry Canyon, and made no objection.

I had a look at the University Bulletin for this date, which covered the superior teaching awards given to four Berkeley faculty, the work at Livermore on the Van Allen radiation belts, the research done by the Center for the Study of Higher Education, the Academic Senate statement against the NDEA loyalty oath, actions of the Academic Senate Southern Section on budget and tenure, and the award of Fulbright grants to 14 Berkeley faculty.

At 4:30 p.m. I went to the Strongs' for cocktails and then headed over to the Faculty Club, where the IAAB met at 6:30 p.m. in the O'Neill Room. Present were members Bob Chiappone and Dick King (students), Carl Nordly and Hurford Stone (faculty) and Cort Majors and Ben Lom (alumni), and guests W. H. Davis, Greg Engelhard, Douglas Gordon, Bud Hastings and me. I spoke to them about the organization of the statewide Intercollegiate Athletic Advisory Council and its recommendations and emphasized the importance of the IAAB contribution this year. They are uncertain about their future, Hastings' future, the role of the director of activities, administration of the new student union, separation of graduate students from the ASUC, director of athletics, etc. They want to know where they stand and where they go from here.

I had to leave early to get out to Lafayette, where I gave a speech for the the Eagle Scouts' Court of Awards. I spoke to them about the history of Scouting and my own experience as a Scout, discussed things that have changed and values that remain the same since I was a Scout, and spoke about the world of adventure and democracy which they are a part of now.

At home, Helen told me about the Section Club Board lunch which she held this noon.

Tuesday, June 9, 1959

I drove to the Chancellor's Office and got through a good deal of paperwork before my first appointment. Tom Cunningham has sent over the copy of Sterling's letter--a beauty--along with Brad Booth's suggestions for replying and some other materials we may use in drafting a reply.

A letter from William Davis complains that a painting which he loaned to the University 30 years ago has been languishing in Hearst Gymnasium for the last 20, where it has gathered dust and two small holes. He asks assistance in restoring it, after which he wants to donate it to the Athenian Nile Club in Oakland. Jim Hart made arrangements with Curator Karl Kasten to help him out and drafted a letter for my signature to Davis informing him of the arrangement.

I received a year-end report from the Planning Committee on Metropolitan and Urban Studies from Donald Foley, and signed a letter of thanks to him for his chairmanship. I signed letters to W. Norman Kennedy asking him to chair the Committee and to seven others asking them to serve on it: George Belknap, Charles Y. Glock, Paul S. Taylor, Julius Margolis, Dwight Waldo, Margaret Gordon and Melvin Webber.

I also signed letters to Edward Adelberg asking him to chair a special committee to evaluate programs in parasitology in Entomology, Zoology and the School of Public Health, and to four others to serve on it: William Balamuth, Deane P. Furman, William C. Reeves and Edward A. Steinhaus.

In response to an inquiry from the President's Office at San Francisco State, I sent names of people on our faculty who might serve on Western College Association accreditation teams.

Stan McCaffrey sent me a note informing me of Dick Elliott's whereabouts. Dick was the son of Jeanette Elliott, operator of a boarding house (2330 College Avenue) in Berkeley, where I lived as a graduate student in 1935-36.

Wally Reynolds sent me information about modifications for the Heavy Ion Accelerator which should go to the Campus Planning Committee tomorrow, as well as a memo about the temporary Physics building in the Radiation Laboratory which should go to the June Regents Meeting.

I noted memos from Clark Kerr about qualifications of Regents' Professors and Lecturers, and about naming of buildings.

Sandy Elberg sent me a memo on planning for "Area A" and I suggested that Bill Wurster be included on the committee.

I got a couple of memos from Jim Hart: one about his continuing negotiations to go to Russia with Melvin Calvin and Charles Jelavich, and another about a visit to him by two FBI agents fishing for information we would have about spying activities by the Russian students here (we don't have any).

I noted that George Papenfuss called about possible sites for a Marine Biology Station, that Donald Coney wants to acquire a collection of Herman Hesse materials, and that Superintendent Schulte of the San Ramon Valley School District feels he benefitted from meeting with me on May 21st.

At 10:15 a.m. I got a call from Carl Borgmann of the Ford Foundation. He wants a representative or two from Berkeley at the upcoming meeting of the Society of Engineering Education in Pittsburgh. I told him about my displeasure with Mike O'Brien's letter to him and said that I will send him another one. I got Ed Strong and Errol Mauchlan to draft a letter for my signature, stressing our desire to upgrade the science end of Engineering, and sent it off.

At 11:30 a.m. I received the eight Russian students on our campus, who came with Charles Jelavich. Their names are Yanis Abolinsh (Physics), Oleg Bondin (automatic and telemechnical instruments), Vil Bykov (Jack London), Oleg Knab (Physics), Valentin Revin (surface diffusion), Sergey Shcherbakov (petroleum transportation and storage), Valentin Shchukin (radio technology) and Alexandra Zhuravchenkova (economics of petroleum). I asked them about their experiences here. They said that they like it, that they have many American friends and that they have enjoyed their work. They don't like the food at I House. Bykov gave me a reprint of his recently published article. They took some photographs and urged me to visit Moscow. Revin passed on to me greetings from N. M. Zhavoronkov (Director of the Moscow Institute of Chemical Technology). Zhavoronkov wants me to visit Russia. Oleg Knab told me privately that his work with Physics Professor Leonard Loeb has been all right but not the best; he would like to work at the Rad Lab for the summer session.

At noon we had our regular brown-bag Cabinet meeting. Present were Chernin, Fretter, Hart, Malloy, Mauchlan, Sherriffs, Strong, Wilkes and myself. The following items are coming up at the June CCCO meeting which Hart will attend: period of appointment of department chairmen in Division of Agricultural Sciences, University Regulations 6 and 26 regarding authorization to solicit on campus, establishment of the "California Foundation", banking facilities on campuses, Academic Plan including statewide admissions, relations with state colleges, budget and legislative relations, policy on discrimination by student organizations (including fraternities and sororities), and nonacademic personnel policy-grievance procedure.

Among the problems upon which CCCO's must comment to the President by June 25th are sick leave accrual policy (Chernin's assignment) and employment of near relatives. In regard to the Connick report, the President has asked us to await statewide policy.

I reported on my meeting with the Intercollegiate Athletic Advisory Board (IAAB) on Monday. Alex Sherriffs is to coordinate in this area. Alex is working with the President's Office on drafts concerning student government, use of University facilities, and recognized student organizations.

Jim Hart announced that Sidney N. Ehrman is giving $22,000 for music practice and listening rooms and recordings at Ehrman Residence Hall and that $10,000 is needed to enhance the Student Union.

Forwarded to the President's Office today were the report on Bright Young Scientists (from the committee on which I serve as Chairman), a report on the examination of the Registrar's Office, and a letter on the separation of

graduate students from the ASUC.

At 2 p.m. I began a series of appointments. David Reed came in to talk with me about financial support for his research (a linguistic atlas of the Pacific Coast); I put him in touch with Errol Mauchlan.

I had a brief meeting with Lincoln Constance, who hand-delivered letters from Roger Stanier and Daniel Mazia concerning Molecular Biology, where they feel we are running a poor third to Stanford (Joshua Lederberg and Arthur Kornberg) and Cal Tech (George Beadle, et. al.). I will meet with Stanier and Mazia about what should be done after I have studied their letter.

Constance also handed me a memo of his conference with Sherburne Cook and C. Willet Asling about Anatomy-Physiology as a possible combined unit.

Concerning the merging of Biochemistry and Agricultural Biochemistry, Ed Strong has met with Esmond Snell of Biochemistry, Dean Knowles Ryerson of Agriculture and Horace A. Barker, Professor of Microbial Biochemistry. They worked out a proposal for the Regents which would merge the departments but keep the Agricultural Biochem research part-time in the School of Agriculture (to protect their funding). Constance approves and we agreed that the proposal will go from this office to the Regents June Meeting.

I talked with Bill Fretter briefly before my next appointment, asking him to look into possibilities for Oleg Knab to work at the Rad Lab and discussing Otto Struve's letter naming Fretter as first choice to head up the Space Sciences Laboratory. Richard Latter, John Marshall, John Simpson and Bill Nierenberg are also mentioned. I will discuss this with people in Washington next week.

I then met with Dick Erickson and Verne Stadtman. They told me about the planned alumni center near Squaw Valley, which they are trying to get done by January 1960 in time for the Winter Olympics. They discussed their plans to expand the Cal Monthly to twice its size with feature articles; they are concerned about competition from the impending statewide magazine. I learned that Stadtman is not taking a writing position with Kerr- not challenging enough. I told him that I would be interested in having him work for me part-time.

At 3:30 p.m. I met with Clyne Garland (Acting Dean of Engineering). We discussed Carl Borgmann's call and I showed him my letter to Borgmann. We agreed on Earl Parker to go to the Pittsburgh meeting.

At 4 p.m. I met with Orlando Wilson (Chairman of Criminology) and at 4:30 p.m. I saw Earl Parker. He can't go to the meeting, as he is heading a big meeting here. He said Lysle Shaffer is going anyway and Parker can brief him. He will contact Shaffer and send Borgmann a telegram. I showed Parker my letter to Borgmann, and told him of the appointment of Garland as Acting Dean for three months. He thinks Garland is weak, but that this is the least disrupting alternative.

Ken Pitzer called at 5 p.m. about the problem of unregistered grad students and how to arrange Health Service for them in the summer. I told him about my memo to Kerr about getting credit for these students, and we agreed to lie low on the health matter. I'll back him up if he has any trouble this summer.

He invited me to join his camp (Isle of Aves) at the Bohemian Grove, along with Earl Warren, Bob Sproul, Allen Sproul, Don McLaughlin and Lyman Henry. I accepted, for the final weekend, July 30th-.August 2nd.

I asked him to respond to a letter from President Ralph Prator of San Fernando Valley State College asking for suggestions for chairman of their Science-Mathematics Division.

At 6:30 p.m. Helen and I attended a dinner party at Strawberry Canyon for Connie Wilson, who is leaving my staff.

Wednesday, June 10, 1959

I went directly to the Rad Lab for the Associate Directors' meeting at 9 a.m. and had lunch in the cafeteria there with Abe Friedman (AEC).

While up on the Hill I got a phone call from Joe Burton of Bell Labs, asking me to be a consultant for them. The arrangement is very flexible, although I must sign a patent agreement. I told him that I'll think it over; I'll discuss it in Washington next week.

I received a note from Red Valens asking whether we should authorize a translation of Elements of the Universe into Arabic by Miss Amber Eustus, a reporter for the San Rafael Independent Journal and a student of Arabic. I called Red and we agreed to give our consent. He also reported that the prospects look good for the TV virus series.

After lunch I headed down to my Dwinelle Hall office for phone calls and paperwork. A student caught me in the hall and asked me to reverse a ruling Milt Chernin had made on a fee refund. I turned him down. When Anna Carol wrote in a memo to Milt that "GTS said no", he noted "GTS was wise."

I called Harold Pischel (President of the Dohrmann Company) to explain the catastrophic consequences if the residence halls are not ready in time. I said I understand they are meeting their legal commitments, but asked whether they could do a little more for us and get done ahead of schedule. He called back later to say his men were out this afternoon surveying the situation and he will do what he can; he'll call back tomorrow.

District Attorney J. Frank Coakley called for an appraisal of Dan Luevano who is applying for a job in Coakley's office. He has some reservations, from other reports. I said that I have a limited knowledge of Luevano's work, that he is pleasant and seemed willing to work in my contacts with him regarding athletics before I became Chancellor.

I got a call from Bob Cornog (Ramo-Woolridge) asking whether I could speak to the American Astronautical Society on August 4th in Los Angeles; I said I won't be able to do it.

I sent a memo to Clark Kerr asking that the administration of Summer Sessions go on the agenda of a CCCO meeting. There is confusion about the extent to which Summer Sessions is under the jurisdiction of Statewide or under my office's authority, and this needs to be clarified as enrollment increases.

I also forwarded to Kerr the budget Alden Miller sent for the Hastings Natural History Reservation, which is managed by our Museum of Vertebrate Zoology, so that Kerr would know of Mrs. Hastings' continuing support. She is supplying $9,000 for next year, and each year has been generous in her support. I sent her a letter of appreciation.

The annual report of the Institute of Social Studies was sent by Acting Director Leslie Lipson, who described the Institute's reorganization and functioning, and pointed out that the space given to them is far from satisfactory. All the social sciences are crowded. We will probably have to wait several years for a satisfactory solution until the new Social Sciences Building is built. I wrote confirming that melancholy prediction and thanking him for the report.

In another vein, I got a nice letter from Richard McArble of the USDA Forest and Range Experiment Station, which had to be moved off campus. He expressed complete understanding of the necessity of their moving, and indicated that they are well settled into their new building. I replied thanking him and expressing hope for a continuing close association.

I signed a number of letters of appointment to committees and letters thanking people whose service on committees has come to an end. I appointed Donald Coney Chairman of the Committee for Arts and Lectures (which used to be Drama, Lectures and Music); also on the committee are Betty Connors, T. M. Bogard, D. D. Boyden, R. W. Goldsby, Armin Rappaport and Herwin Schaefer. Charles Gulick will chair the Parking Appeals Committee, with members Sarah Hallam, Edwin O'Neill and Walter D. Hawk and staff member Mel Doyle.

Otto Struve is interested in getting A. A. Boyarchuk (Crimean Astrophysical Observatory of the Soviet Union) to Berkeley so Jim Hart drafted a letter for me to send to Ambassador Lacy of the State Department trying to work this out. It involves getting them to relax their rules or else assist in finding an American scholar to exchange with the Russians.

I noted a memo from Hardin Jones outlining plans for inviting 150 promising high school students to our campus for a week of talks, tours of labs, etc.

I also noted that the telegram has gone to Carl Borgmann of the Ford Foundation about Lysle Shaffer's attendance at the ECPD meeting next week.

At 4 p.m. I attended the Campus Planning Committee meeting in my Conference Room. Present were Don McLaughlin, Bill Wurster, three people from Warnecke (Warnecke, Smith and Webb), three from Skidmore, Owings & Merrill (Owings, Bassett and Rodgers) and Sandy Elberg, Robert West, Louis DeMonte, Norman Dyer and Al Wagner. The Warnecke plans were presented for the LeConte Annex for Physics, including a physically detached building, in appearance similar to Campbell Hall, five stories plus two basements.

I left the meeting at this point to go to a meeting with Clark Kerr and Tom Cunningham concerning our understanding that grants-in-aid are not subject to need. Tom had called this morning about it and arranged this meeting, which Dan Wilkes and Associate General Counsel John Sparrow also attended. We decided that Wilkes, Sparrow and Cunningham should draft a response to Wally Sterling, giving general answers to questions raised and expressing surprise that he doesn't already know most of this. We also decided to ask the Regents to return authority over athletics more generally to President Kerr and that

Kerr would issue in due time a statement saying that the University is adhering to the rules of the AAWU.

When I returned to the CPC meeting, Nat Owings had presented plans for Engineering Unit #1 and the Committee had approved Wagner's proposal to move the greenhouse for Landscape Architecture to the Blake property in Kensington, contingent on Wurster's agreement after visiting the site.

DeMonte and West presented a site feasibility study for an additional physics building for the Lawrence Radiation Laboratory. I informed the Committee that we need to move this building adjacent to Building 50 instead of by the cafeteria, as originally planned, because of too close proximity to radiation from the Bevatron building in the original location. The Committee approved the new site. We also approved design changes for Building 88 (High Current Cyclotron).

We discussed building site allocations in Strawberry Canyon and the upper hill area:

Site Group I (east of Bowles Hall and the Greek Theatre)-
recreation and/or parking;

Site Group II (central Strawberry Canyon)-
Environmental Physiology, Biomedical, Photosynthesis and Inorganic Materials labs;

Site Group III (upper Hill)-
Leuschner Observatory plus Radiation Laboratory buildings;

Site Group IV (Chaparral Hill)-
Lawrence Hall of Science and Center for Continuing Education.

A road from the Botanical Gardens and Rad Lab to Grizzly Peak Boulevard will cost $240,000.

I suggested two other possible uses for Chaparral Hill: a Field Station for Animal Behavior research and an Institute for Humanities. I also said that I think the Space Sciences Institute could be started in this area. We were generally favorable to this report as a whole.

We approved some modifications in the Berkeley Long Range Development Plan, which will go to the Regents in July.

We also recommended several Executive Architect appointments: Corlett & Spackman for the addition to the Heavy Ion Accelerator (Building 71); Wurster, Bernardi & Emmons for Gill Tract married student housing; Anshen & Allen for the Physical Sciences Lecture Hall; and Donald Macky for the Oxford Tract Greenhouses Unit #2.

I proposed that we appoint a committee to study potential use of the Miller property in Santa Cruz County and suggested using areas near the Law School for temporary parking; the Committee approved. I also suggested that we discuss the status of the Area A Committee at our next meeting. We adjourned at 7:20 p.m.

I barely had time to get to the Claremont Hotel for the Senior Banquet, which began at 7:30 p.m. in the Gold Room. It was a very pleasant affair. I spoke for about five minutes, and since I came first (before Bill Stricklin, Hurford Stone and Clark Kerr) I was able to steal Kerr's usual joke about sex for students, football for alumni and parking for the faculty. I gave a quick summing-up of things that happened this year, including my own assumption of the office of Chancellor.

On the way home, Helen told me about her lunch at home today for Mmes. Kerr, Vaux, Saunders, Morton, Heizer and Krech, members of the College Tea Committee.

Thursday, June 11, 1959

Today was Commencement Day, my first as Chancellor. I went to my Dwinelle Hall office in the morning to get through some work before the Commencement activities. I signed a memo to Clark Kerr concerning the operation of the Registrar's Office and recommending that it be studied as part of the Statewide management survey, and that, meanwhile, we get more money for the office.

I also recommended to him a faculty committee to study teaching methods at the Army Language School at Monterey: R. N. Walpole (French) as Chairman, and R. F. Whitfield (Slavic Languages and Literature), D. R. Carr (Oriental Languages) and Mary Haas (Linguistics). State Senator Fred Farr has suggested to Jim Corley that we might be able to learn something from the Monterey operation.

I also recommended to Kerr that a study be made of the rights and privileges of emeritus rank for Lecturers.

I noted a message from Kerr that I should be prepared to speak at the June Regents Meeting about the naming of a room at the Law School for Vernon Smith; Kitty Malloy gave me some information about Smith.

I received a letter from Robert Carleton (National Science Teachers Association) saying he is happy that I am going to write an article for The Science Teacher as agreed with Robert Stollberg.

I signed several letters of appointment to the Student Judicial Committee: to Bernard Key, John Olson and Maria Louisa Toriggino for 1959-61, and to Bernard Freiwald and Evelyn Hollingshead for 1959-60.

I sent a memo to Dick Erickson and Bob Kerley approving the transfer of alumni records and mailing for the Business Office to the Alumni Association.

A memo was sent in from Milt Chernin about the meeting he had with Alameda County Supervisor Kent Pursel, Louis DeMonte, Dick Jennings and others from the City of Berkeley, about building a new road giving access to Panoramic Way. They all agreed on a route through the Blind and Deaf Schools' grounds and are looking into its feasibility.

I also received Robert Silva's doctoral dissertation; I am chairman of his committee, which also includes Carl Helmholz and Dave Templeton.

I made a call to John Williams at the AEC in Washington, inquiring as to the status of the Sikkeland case. Williams referred me to Allen Van Dyken, who

has referred it to Abe Friedman. Too bad; I had lunch with Abe Friedman yesterday but didn't know the case was in his hands.

At 11:45 a.m. I went up to the Faculty Glade and met Helen for the Alumni Association's Commencement Luncheon. Mort Smith, who is President of the Association, was the M.C. I introduced the retiring faculty and staff members who were there: Eleanor Bartlett, Donald Cooksey, Walter Friedlander, George Kyte, Carl Landauer, Royal Roberts, Sherwood Shear, Thomas Steel and Hurford Stone.

We walked from Faculty Glade up to the south entrance of the stadium to get in place for the Commencement Procession, which began at 2:15 p.m. I escorted Professor of Economics Emeritus William L. Crum, who was awarded an honorary degree. I made the farewell remarks, stressing the kind of world we are going into, with its advances in energy, medicine and technology. I referred to satellites and space travel as challenges to the intellect and imagination, and told them that the complex world they are entering would "reward adaptability, flexibility, the continuing pursuit of knowledge, the constant probing for truth and values, and the intelligent conversion of experience into foresight."

I met Irving Stone at the Commencement, with his daughter, a graduating senior. I told him how much I have enjoyed his books, and said I might have an idea for him for a biographical novel. (I have E. O. Lawrence in mind.)

After the Commencement Exercises, Helen and I went to the Claremont Hotel for a cocktail party and reception that the James Archers gave for their graduating daughter and her friends.

Friday, June 12, 1959

I spent the morning in the Chancellor's Office. I signed a couple of memos having to do with budgetary matters; one to Kerr, forwarding Heizer's report on the allocation of Graduate Student Research Grants; and one to Stan McCaffrey regarding Dean's funds. I also sent a memo to Harry Wellman about the desirability of planning for air conditioning for the Chemistry Building now rather than later. I sent a letter to Sidney Ehrman thanking him for his gift for amenities in the Residence Hall named after him, and responded to a letter from A. D. Alexandrov (Rector of the University of Leningrad) thanking us for hospitality during his visit here and inviting me to come to Leningrad.

Letters came from Dean Towle recommending several girls for appointment to the Women's Judicial Committee and from Don McLaughlin thanking me for my recommendation that the Kappa Sigma's house be used for faculty research purposes but expressing some reservations about it. He wonders whether we give enough attention to student needs for space. I also noted the report of the Buildings and Campus Development Committee. I autographed two of my books, The Transuranium Elements and Elements of the Universe, and asked Anna Carol to send them to Charles Chapel of the State Legislature. He is interested in textbooks that are used in courses on nuclear science in the University; Dan Wilkes has been in touch with him.

At 10 a.m. I got a call back from Harold Pischel about completion of Residence Halls Units #1 and #2. He has talked with Dinwiddie and they are pressing forward with the work. It will be close; they hope to be done by the end of

August except for plumbing and electrical work. The only way to hurry it up any more would be to pay them for overtime.

At 10:30 a.m. I had an appointment with Joseph Mixer, the University's Gifts and Endowments Officer. He told me that there is a prospect of a gift for Berkeley from Olin Matheson of $0.5 million- $1 million, and asked for a good proposal to present. I suggested Melvin Calvin's Photosynthesis Lab, the Institute for the Humanities, the Language Laboratory and the Institute of Social Sciences. Errol Mauchlan will send particulars on these projects to Mixer; it's a long shot that should be followed up.

After seeing Mixer, I took a call from Ros Ewart (U.S. Rubber Company) asking for my impressions of Carroll Wilson (former General Manager of the AEC). I told him I haven't seen him in ten years, but I think he is a good man. I told Ewart that I'm looking forward to seeing him in September. He suggested that I have lunch with Wallace E. Cake.

At 11 a.m. I had an appointment with Greg Engelhard, Bud Hastings and Frank Kidner. They told me that the National Football Conference meeting has been cancelled.

We talked about Pete Newell's offer from University of Washington. I said that I think we could offer as much as $14,000. I told them that I have talked with him about the advantages of University control over ASUC control of athletics, and that he didn't seem to be as bothered about this as people think he is.

We discussed raising funds for subsistence grants-in-aid. They think it would be better to have fundraising through the President or the ASUC than through alumni groups. I should discuss this with Kerr.

Kidner thinks that an announcement should be made now concerning the Department of Athletics proposal in the IAAC report, as well as a statement that we intend to live with the AAWU articles. We agreed that I should meet with the Academic Senate Athletic Policy Committee at the earliest opportunity; I asked Kitty to call Chairman Nello Pace to arrange this.

Greg Engelhard is going to ask for permission to play football with the University of Miami in 1964 and Oregon in 1965-66.

He handed me a memo about financial aid to athletes at Stanford. He does not think that need is actually a factor in giving assistance to their top athletes. He still feels pretty negative about the Jordan scholarships there, since they only require a "C" average, unlike most academic scholarships. He'll try to get some more detailed information.

Jim Baxter called at 11:30 a.m. about the AEC Historical Advisory Committee meeting; I told him to go ahead and have the meeting without me.

Then I had an appointment with Daniel Mazia, Roger Stanier, Lincoln Constance and Bill Fretter, which I had requested after reading Stanier's and Mazia's fascinating memo to me of June 8th, pleading for an administrative set-up which would enable the University to become a leader in the field of General Biology. It was a tragedy to have lost Joshua Lederberg to Stanford. I think we should go forward with an Advisory Committee on General Biology.

Following our meeting, Fretter talked some more with the others and they decided on the membership of the Committee: I. Michael Lerner, Esmond Snell, Gunther Stent, Roger Stanier, Ralph Emerson, and Daniel Mazia (Chairman). Stanier feels that we lost Lederberg mostly over the issue of space. I will try to meet with Francis Crick week after next, in the hope of attracting him here, along with James Watson.

I had lunch with Dan Wilkes at the Faculty Club, then went up on the Hill for the afternoon.

At home after dinner, at 9:30 p.m., I called Herman Weiner in Los Angeles and arranged to meet him at his home in the outskirts of Westwood at around 3 p.m. to 4 p.m. on Saturday, June 20th. He told me that Pete Newell is hurt by the lack of a raise for basketball coach Rene Herrerias. I should inform Greg Engelhard of this.

Saturday, June 13, 1959

I got a call at home at 11:30 a.m. today from Cort Majors. He had lunch yesterday with coaches Pete Newell and Pete Elliott, who talked frankly about the sources of their dissatisfaction, especially tightening scholastic and entrance requirements, and lack of leadership in the Athletics Department. They prefer Bud Hastings to Greg Engelhard, but I pointed out our disappointment with Hastings in regard to his supervision of ASUC activities and in his lack of cooperation with us. Cort will talk with Engelhard and Hastings--although not about the coaches' criticism of their leadership. I told Cort I'll ask Alex Sherriffs to interview Newell, Elliott, George Wolfman, Brutus Hamilton and especially, Paul Christopulos. (Cort has promised the coaches such an investigation.) Alex could talk with Newell at Wawona next week. I also briefed Cort completely on the status of the Weiner matter and he seems to be in general agreement with the way we are planning to handle it. I phoned Alex immediately and reported this conversation; Alex will inform Frank Kidner and will be in touch with Majors.

At 2:30 p.m., after lunch, I called Kidner and told him the gist of my conversation with Cort Majors and that I have asked Alex Sherriffs to make an investigation. I also told him about the composition of the Academic Senate Athletic Advisory Committee; he pointed out that there are three scientists on it.

After my call to Kidner, Henry Kaiser, Jr. and his aide Bill Beaumont arrived to discuss a speech on education Kaiser is going to make to about 15,000 people in St. Louis at the end of this month. I made a number of suggestions and gave them a stack of my speeches. Beaumont will call Anna Carol to get material on the Hagerstown TV operation and on the "Continental Classroom" series. He should also get a copy of the PSAC report on "Education in the Age of Science". He may check with me further during preparation of Kaiser's speech.

After they left, I called Dan Wilkes at 4 p.m.. and told him about my conversation with Cort Majors. I also suggested corrections to his drafts of the letter to Wally Sterling and the IAAC report.

I went through a few papers I had brought home from the office. Maribel Montgomery talked with Ray Bressler about the people suggested by the

LAFAYETTE SUN - June 12, 1959

Lafayette Sun Friday, June 12, 1959

Glenn Seaborg Addresses Scout Eagle Honor Court

Dr. Glenn T. Seaborg, chancellor of the University of California and Nobel prize winner in chemistry in 1950, addressed Boy Scout Troop 223 and Explorer Post 223 at Stanley School Monday evening at the Eagle Court of Honor honoring William H. Hays, Jr. of Lafayette.

"A KNOWLEDGE of science is going to be important whether you are going to be a scientist or a lawyer, military man, banker, economist. This is the age of science," Dr. Seaborg said in his address.

With reference to the areas of learning in the boy scout creed, Dr. Seaborg felt that, with the spirit of adventure, there is the learning of the laws of nature, scientific technology, acquiring self reliance, individualism, leadership, and tolerance in this age. Dr. Seaborg said, "War can be so terrible that people just must understand each other. Your Eagle Scout achievements give you good training in these characteristics."

Dr. Seaborg reviewed the history of the boy scout movement, which filled a need in the transference from the frontier age to the age of cities and industrialization.

He stated "The precepts of scouting have changed to meet the needs of modern civilization . . . the words honesty, loyalty, endurance . . . still apply today in the age of space exploration."

HE POINTED out that "one of the most important functions of scouting is bringing of fathers and sons together."

Dr. Seaborg went far in his scouting experiences, lacking one merit badge for the Eagle rank. His merit badges are among his proudest possessions.

William H. Hays, Jr., 14, of Acalanes High School, was presented the Eagle award by Dr. Seaborg.

Bill is an Explorer in Post 223. Besides his scouting achievements, Bill is forward on the basketball team.

He is the son of Mr. and Mrs. William H. Hays of 3670 Nordstrom Lane.

Committee on Committees who might serve on the committee to advise on Bill Wurster's qualifications for the deanship of the College of Environmental Design. I approved the appointment of Vernon DeMars (Architecture), T. J. Kent (City and Regional Planning), E. P. Popov (Civil Engineering), H. L. Vaughn (Landscape Architecture) and Walter Horn (Art), and suggested Horn serve as Chairman.

Bill Fretter reported on his conversation with Leo Postman and Frank Beach about the new director for the Institute of Human Development. They want a psychologist as director, and are concerned that Richard Soloman may lose interest if the search widens into social sciences generally. I noted that I favor Soloman and suggested that Bill telephone Ed Strong about this and expedite the matter.

I had another memo from Bill asking for guidance in communicating with Clark Kerr on the tritium experiments. I told him that we should go ahead if Kerr's requirement for approval by interested public authorities is obtained. I also want to suggest to Clark that we will eventually need a more comprehensive policy and that a committee should be appointed to make recommendations.

This evening Helen and I went to a dinner at the McMillans' honoring the Cookseys. (Don is retiring after many years at the Rad Lab and on campus, but will remain active with our EOL Memorial Committee and other special projects.)

Sunday, June 14, 1959

I spent the morning reading the paper and playing with the kids.

In the afternoon, I went over the copy of the article Henry Holt & Co. adapted from Elements of the Universe. There are numerous grammatical errors and it appears to have been written by someone who doesn't understand the subject. I made notes for Eileen Carson, asking her to run it by someone like Glen Gordon to eliminate further errors that she and I may not have caught, to re-read it for further grammatical errors, and to transfer all the final corrections to the carbon which we will keep. She should sent it back to Ray Ginger, expressing surprise at the number of errors and reservations about publishing it at all, pointing out the grammatical errors, asking for another draft to be sent back to us, and saying we will give consent to publish it only if they do this and also send later proof on it and all the figures and their captions in place in relation to the article. The informal style of writing is okay but the number of errors is unforgivable.

I spent the rest of the day getting ready for my trip to Washington tomorrow.

Monday, June 15, 1959- Washington, D.C.

I was picked up by a University car at 7:30 a.m. and was driven to the airport. I left San Francisco at 9 a.m. on United Flight #704 and arrived at 7:40 p.m. in Washington, where I took a taxi to the Statler Hilton and checked in.

Tuesday, June 16, 1959- Washington, D.C.

I attended the meeting of the President's Science Advisory Committee at 9:30 a.m. in the ninth floor conference room at NASA, at 1512 H Street, N.W. We accepted the resignation of Killian and elected Kistiakowsky as Chairman of PSAC, effective July 15th. In the course of the morning, George Kistiakowsky asked that each of us come in with a list of about 12 names as possible replacements for the six members who are leaving--Bob Bacher, Hans Bethe, Bill Baker, Edwin Land, Randall Robertson and Paul Weiss. Names that occur to me now are Kenneth Pitzer, Luis Alvarez, Robert Brode, Simon Ramo and Warren Johnson. I'll consult with Fretter, Perlman and McMillan when I get back.

We decided that the PSAC Missiles Panel should help with the problem of Atlas failures (six successive failures), including consideration of the question of embarking on further and accelerated tests. York then joined us to give a technical report on the status of the aircraft nuclear propulsion (ANP) program. Weiss then presented the final conclusions of his Panel on Biological Warfare (BW) and Chemical Warfare (CW).

I had lunch with Edward Purcell, Bill Baker and Hans Bethe at the White House Mess. I felt out Purcell about the directorship of our Space Sciences Lab, but he is not interested in going into space research. He mentioned Bob Leighton (whose specialties are cosmic rays and astronomy) of Cal Tech as a possibility. I also asked about candidates for Dean of Engineering. Purcell mentioned Malcolm Hebb (a physicist with General Electric); Baker mentioned Lester Field (who is in electronics and plasma physics) of Cal Tech and Charles Townes (physicist) of Columbia. Baker rates John Whinnery and Guy Stever above William Shepherd.

Purcell told me about the Boston educational TV station's broadcasting of visiting lecturers' talks at Harvard. It's very successful; we should contact KQED about doing this at UCB. He and Bethe discussed a project of filming and recording famous scientists. Ewald (Bethe's father-in-law) is also interested. Maybe Thomas Kuhn or Hunter Dupree or someone at UCB should get NSF support for such a project. I'll ask Fretter to look into it.

I discussed the Inorganic Materials Lab with Baker. Willard Libby ran into some difficulty with other AEC commissioners on this project. Baker will try to overcome the obstacles. He doesn't think that I should call anyone yet; he will let me know when my help might be needed. Earlier in the morning I discussed this briefly with Herb York; he said that UCB, MIT and the University of Illinois are rated as having top competence in this field.

I inquired of numerous people (including Purcell, Baker and Brode) concerning R. E. Bolz of Case (suggested by Paul Klopsteg through Don McLaughlin for the Engineering deanship and no one had heard of him).

The PSAC met in the afternoon and again over dinner from 7:15 p.m. to 9:40 p.m. at the Metropolitan Club. We discussed such items as the Nike/Zeus system (Bethe is concerned about feasibility), Soviet missile firings (a report by Pete Scoville), and nuclear test ban negotiations (Killian asked Fisk, Bethe and Bacher to prepape a report on the quota inspection problem). At the dinner meeting I brought up the difficulties of arranging exchange visits of Russian scientists to the Rad Lab. The PSAC will probably emphasize this in a report to President Eisenhower. I also took it up especially with Wallace Brode (Chief Science Adviser in the State Department) who promised to look into it.

Jim Killian told us about hopeful progress on implementation of a group to study arms limitation (a follow-up of a suggestion I made to the PSAC last month, which Edwin Land presented to President Eisenhower during our meeting with him). The President is following up on this. I suggested Clark Kerr as a possible director of this group, which will work full-time for six to eight months.

President Eisenhower asked for suggestions regarding Summmit Conference topics: he is interested in a massive exchange of students with Russia. I am supposed to prepare a memo to Jim Killian on this.

I called home and got a report from Helen on her appointment with her obstetrician, Dr. Burke, at Walnut Creek Kaiser Hospital.

Wednesday, June 17, 1959- Washington, D.C.- Los Angeles

The PSAC met at 9 a.m. On the agenda were consideration of the report of the Panel on Science and Foreign Affairs, and a discussion of it with members of the Federal Council for Science and Technology. Bronk (Chairman of the Panel on Science and Foreign Affairs) summarized for the members of the Federal Council the tentative findings of the Panel. The Federal Council members raised such matters as the training of students from lesser developed areas, the need to generate in the less developed areas the climate for the production of scientists, the question of whether the International Atomic Energy Agency (IAEA) should have a research laboratory, the activities of the military in extending their overseas support of basic research, the inadequacy of attention given in the document to the life sciences, and the need to develop a greater desire on the part of organizations and persons in the United States to contribute to international science activities.

It was agreed that detailed comments should be sought from the members of the Federal Council based on the present draft, and that the next draft of the report should be circulated for more widespread comment on the part of agency personnel. This was followed by a discussion of possible proposals for a Summit meeting. We then held the first meeting of PSAC with members of the Federal Council of Science and Technology. In the course of the morning, I asked Bob Bacher about men who might head the UCB Space Sciences Lab. He suggested contacting Louis Dunn or Rube Mettler (both of the Space Tech Lab) or Bill Pickering (of the Jet Propulsion Lab) for suggestions.

I told Alan Waterman about the idea of filming and recording great scientists, and he indicated the NSF would support such a project. I asked Keith Glennan (President of Case on leave to NASA) about R. E. Bolz for our Engineering dean at Berkeley. He said Bolz got his Ph.D. at Yale, is a very good scientist-engineer, and that he doesn't want to lose him.

There was a lunch with Sir Solly Zuckerman (Deputy Chairman of the United Kingdom Advisory Council on Scientific Policy); however, unfortunately, I had to catch a bus to the Baltimore airport. I left Friendship Airport at 3 p.m. on TWA Flight #61 and arrived in Los Angeles at 5:05 p.m.

On the plane I talked with Samuel Schaaf of our Engineering faculty. He volunteered that John Whinnery would be a good dean. He says that things are in bad shape and a decision is needed soon. He favors a strong Ph.D. program

in Engineering, but thinks a very good more-or-less traditional B.S. degree is also indicated.

Upon arrival, I headed for Lake Arrowhead, where the Regents are meeting. (Jim Hart represented the Berkeley campus at the Regents Educational Policy Committee today; I will attend meetings of the Regents tomorrow and Friday.) I stopped briefly enroute to greet my Swedish relatives Karl and Jenny Adolfsson, who are visiting my mother in South Gate. The three of them will be coming on Sunday by train to visit us in Lafayette.

L to R: Karl and Jenny Adolfsson, GTS and Selma Seaborg at South Gate

Thursday, June 18, 1959- Los Angeles

Regents meetings were held today at the University Conference Center at Lake Arrowhead. I attended meetings of the AEC Projects Committee at 8:30 a.m. and the Educational Policy Committee at 9 a.m. Committee members present at the latter were Regents Carter, Chandler, Boyd, Hansen, Hearst, Naffziger, Steinhart, Vaughn, Pauley, McLaughlin and Kerr. Also in attendance were Regents Canaday, Hagar, Mosher and Olson, William Forbes, Vice President and Secretary and Treasurer Underhill, Vice President and General Counsel Cunningham, Vice President Wellman, Vice President-Medical and Health Services Stull, Vice President-Executive Assistant McCaffrey, Chancellors Allen, Freeborn and Spieth, Director Revelle, Deans Sheats and Aldrich, Vice Chancellors Noble, Hart and Knudsen, Vice Provost Fleming, Associate Counsel Landon, Associate Secretary Woolman, Chancellor-Elect Mrak, Assistant Vice Presidents Miller and Oswald, Frank Kidner and Andrew Hamilton of the Office of Public Information.

One item on the agenda had to do with the supply of California school teachers. I described the Rosenberg Plan at Berkeley whereby people can become teachers without going through the regular education courses, and informed the Regents that we are in close touch with superintendents and high school principals and find much support for the program.

There was extensive discussion of the discrimination policy statement, retention of students, and academic planning.

I presented a proposal for a bilateral exchange of faculty members between Berkeley and Leningrad, with the University paying living expenses and other expenses to be paid through the Ford Foundation of Harvard. I recommended approval of this program and asked authority to negotiate similar exchange agreements with the University of Moscow, the University of Kiev and the Academy of Sciences of the USSR. I said that about 12 faculty members would participate in the program. The Committee members voted to approve the program, with the understanding that it would be on a reciprocal basis and that no more than 12 persons from the University will participate with an equal number of Russian institutions.

There was a long discussion of athletics. Cunningham had circulated the IAAC report. He pointed out the proposal that control be taken from the students and given to the Chancellor, who would consult with students, faculty and alumni. Cunningham noted that student body presidents on the IAAC concurred. I said that not all student leaders are for it, but that postponing the decision is causing difficulties and I would like at least an interim decision to be made. As to athletes living at home, it was decided that all of them who evidence need by working 250 hours will be paid at a rate equivalent to the cost of room and board at a residence hall rate (which is in accord with the NCAA rules). Cunningham also reminded chancellors that each campus should have only one spokesman for off-campus interviews.

The following resolution was adopted and sent to the Full Board:

> " (1) Resolved, that the President be, and he hereby is authorized and directed to prepare a revised statement of athletic policy commensurate with the standards prescribed by the AAWU and the NCAA, and that, when issued, it shall constitute the policy of the University of California for the conduct of intercollegiate athletic activities on the Berkeley and Los Angeles campuses. (2)(a) That there be advance confirmation by the President, in consultation with The Regents' Committee on Educational Policy, of appointments of head coaches of football, basketball, track and baseball on the various Berkeley and Los Angeles campuses, and such other campuses as The Regents may designate from time to time; and (b) That the form of all contracts of head coaches and assistant coaches and other coaches be subject to approval by the Vice President and General Counsel."

After lunch, at 1:30 p.m., I attended the meeting of the Committee on Grounds and Buildings. Members present were Steinhart, Boyd, Carter, Chandler, Hansen, Hearst, Pauley and McLaughlin. Also in attendance were Regents Canaday, Sullivan and Vaughn; Secretary and Treasurer Underhill, General Counsel Cunningham, Vice President Wellman, Controller Kettler, Vice President-Executive Assistant McCaffrey, Chancellors Allen, Freeborn and Spieth, Director Revelle, Deans Sheats and Aldrich, Assistant Vice Presidents Miller and Oswald, Vice Chancellors Noble and Knudsen, Engineer Weaver, Architect Evans, Dean Fleming, William Forbes, Andrew Hamilton of the Office of Public Information, and Elizabeth O. Hansen.

The Committee voted to approve the temporary building for Physics at the Rad Lab, which the AEC will lease, making the cost to the University much less. It is understood that it will be temporary and will be razed to put up a permanent building, but the Regents will also try to extend the lease and secure an option to purchase the building.

The Committee also heard Architect Evans describe the plans for building married student housing on the Gill Tract in Albany, plans to be expedited in order to make the deadline for application to the federal government for a loan. It is urgent that we make this deadline: there will be 300 units for Berkeley.

This evening I had a conversation with Regent Boyd about the Russian students' stay at Berkeley. He asked for a copy of any report that would be made, and suggested that a magazine article be done. I wonder whether it is too late to take some pictures and get a story into some magazine.

Friday, June 19, 1959- Los Angeles

The day of Regents' meetings started with the Finance Committee at 9:30 a.m. Members present were Regents Pauley, Hagar, Boyd, Carter, Mosher, Steinhart, McLaughlin and Kerr. Also in attendance were Regents Canaday, Chandler, Hearst, Naffziger, Olson, Sullivan, Vaughn and Watson; William Forbes, Vice President and Secretary and Treasurer Underhill, Vice President and General Counsel Cunningham, Vice President Wellman, Vice President-Medical and Health Services Stull, Vice President-Executive Assistant McCaffrey, Controller Kettler, Chancellors Allen, Freeborn and Spieth, Director Revelle, Deans Sheats and Aldrich, Vice Chancellors Noble, and Knudsen, Vice Provost Fleming, Associate Counsel Landon, Associate Secretary Woolman, Assistant Secretary and Treasurer Thomson, Chancellor-Elect Mrak, Assistant Vice Presidents Miller and Oswald, Engineer Weaver, Director Tyndall, Frank Kidner and Andrew Hamilton of the Office of Public Information.

Among items of special interest-

The Committee voted its concurrence with the Educational Policy Committee's recommendation of the exchange program with Russia.

They voted to recommend transferring $42,000 from the University Fund to the Federal Student Loan Fund, to provide matching monies for the National Defense Education Act Student Loans. There is a great deal of interest in the NDEA loans.

They recommended including the Chaparral Hill Area (now owned by EBMUD) in the long range land acquisition program for Berkeley.

At the end of the meeting, around 11:30 a.m., I talked with Paul Sheats, suggesting that KQED be approached with respect to having a more flexible schedule so as to have direct broadcast of speeches by eminent lecturers from the Berkeley campus (as is being done by the Boston station). I suggested a more aggressive policy of proposing use of funds (e.g. the University Fund) to expand the educational TV program of the University. Ed Pauley had suggested approaching companies like Standard Oil of California for support. Pauley would like a report on the results of the Harvey White "Continental Classroom". Sheats told me that he will resist, through Kerr, the Berkeley recommendation to move C.A.L. from Extension to Berkeley campus control.

I spoke with Roscoe Weaver about whether we could pay the Dohrmann Company for overtime work to get the residence hall kitchen facilities in sooner. He will talk with Bob Kerley about this.

From 1 p.m. until 1:45 p.m. I met with the Committee on the Lawrence Hall of Science. Carter, Pauley, Hagar, Steinhart, McLaughlin and Underhill were

present, although Carter, Pauley and Underhill were in and out during the meeting. Kerr was present for a few minutes at the beginning and admonished us that care must be exercised about how the Nuclear Science Fund money is credited (i.e. must go into the University Fund and be reassigned and not go directly to the Lawrence Hall of Science). It was agreed to begin to use the Nuclear Science Fund money (to be repaid) to hire staff, including a high grade director (for $15,000- $20,000 a year) if possible, to start actual planning and preparation of a prospectus for fundraising. It was agreed that I will approach Don Cooksey to take some kind of staff position (salary to be determined by me) and that we might also retain Lionel Viales for a while longer, if he wishes. I didn't have time to show them the brochure material. Ed Carter suggested a prospectus, not a brochure, for fundraising. The prospectus would just be factual--to describe the objectives, function, size, etc. He also suggested making a time schedule now for all of these objectives.

The Committee on Endowments were holding a luncheon meeting. Members present were Regents Canaday, Hearst, Kerr, Naffziger, Olson, Simpson, Sullivan, Vaughn and Watson. Also in attendance were Regent Carter, Vice President-Executive Assistant McCaffrey, General Counsel Cunningham, Controller Kettler, Assistant Vice President Miller and Assistant Secretary and Treasurer Thomson. I went into the meeting at 1:50 p.m. to report on plans for the Hall of Science. I reported that we will need $10 million, of which $6 million is to come from the Nuclear Science Endowment Fund, with the remaining $4 million from other sources, including gifts. I said that we are looking for a director, who could help in fundraising. It was decided that Stan McCaffrey should be a member of the EOL Committee and the Finance Subcommittee. I think Harry Wellman should be, too.

The full Board of The Regents met at 2 p.m. Nineteen Regents were present: Boyd, Canaday, Carter, Chandler, Hagar, Hansen, Hearst, Kerr, McLaughlin, Merchant, Mosher, Naffziger, Olson, Pauley, Simpson, Steinhart, Sullivan, Vaughn and Watson. Also in attendance were Mortimer Smith, William Forbes, Underhill, Cunningham, Wellman, Stull, McCaffrey, Kettler, Allen, Spieth, Freeborn, Noble, Knudsen, Aldrich, Sheats, Fleming, Revelle, Mrak, Woolman, Thomson, Weaver, Evans, Miller, Oswald, Kidner, Hamilton, Tyndall, Elizabeth Hansen, Gloria Copeland and Dorothy Powell.

The Regents voted for the transfer of matching funds for NDEA loans, the naming of the Vernon Smith Memorial Conference Room at the Law School, the Russian exchange program, the athletic policy recommended by the E.P.C. and the acquisition plans for Chaparral Hill. Carter moved that the College of Architecture at Berkeley be changed to the College of Environmental Design, with undergraduate curricula leading to the degrees of Bachelor of Architecture and Bachelor of Landscape Architecture, and graduate curricula leading to the degrees of Master of Architecture, Master of City Planning and Master of Landscape Architecture. Steinhart seconded the motion and it carried unanimously.

It was announced the gifts of $5,000 from the William Randolph Hearst Foundation and $1,000 from Regent Mosher will help underwrite the production of Verdi's "Aida" in the Greek Theatre next October. Leontyne Price and George London are tentatively scheduled to sing in the San Francisco Opera production. C.A.L. is planning a 1959-60 "star" concert series, made possible by the Garrett McEnerney gift, for the Bay Area audience and at nominal cost to students. They are bringing cellist Mstislav Rostropovich, soprano Elizabeth Schwarzkopf, pianist Claudio Arrau, musical satirist Anna Russell,

pianist Glenn Gould, soprano Jennie Tourel, the Monday Evening Players, the Amadeus String Quartet, harpsichordist Ralph Kirkpatrick, guitarist and lutenist Julian Bream and the New York Pro Musica Antiqua

At the end of the meeting, at 4 p.m., I had a conversation with Harry Wellman. I told him about our interest in Tom Pigford for Nuclear Engineering. We checked with Vern Knudsen and Roger Revelle, who said they are not interested; hence Wellman gave us clearance to approach him. Revelle said that he has the impression that Ben Mottelson turned them down. He said that Roy Thaler and John Gammel (Los Alamos) would be good men to work with Mottelson.

I stayed over at Lake Arrowhead for a conference with Alumni Association officers, CCO's, etc. Kerr is right about having to spend a lot of time discussing football with alumni.

Saturday, June 20, 1959- Los Angeles- Home

The alumni conference continued with a 7:30 a.m. breakfast meeting. I left Lake Arrowhead about noon in a University car, headed for Los Angeles and my appointment with Herman Weiner. My meeting with Weiner was at his home in Westwood at 3 p.m. Jack Cain was also present.

I explained the IAAC, its purpose, its procedure for handling grievances, John Sparrow's investigation of Weiner, his report to the Executive Committee of the IAAC, its final determination and the President's directive to me. I asked him to react to any press inquiries in a cooperative way. Weiner and Cain expressed disappointment at the result and procedure, and the lack of detailed evidence presented to them. I emphasized the advantages to Berkeley of Weiner's cooperation. Cain pointed out what he saw as the one-sidedness of the procedure and said he could easily give evidence to the IAAC of many UCLA recruiters (and he mentioned names) that would be much worse; I asked him not to do so and he agreed. Weiner agreed to follow my recommendations on the basis of his respect for my judgement (pointing out that this was really the basis on which he must decide) and Cain concurred. Weiner asked if Pete Newell had been informed and I said I had informed him and that Newell agreed to the suggested procedure, once I had explained the situation to him, but that he had made it clear to me that he is a good friend of Weiner. Weiner assured me that he had stopped recruiting before the end of the last year, as a result of a talk with Kidner, Engelhard and me, and other talks with Engelhard and Kidner, and that his last visit to a prospect's home was to that of Pierovich. He said he had rounded up some transcripts of athletes at Engelhard's request since that time; I asked him to stop this and he agreed to do so. I told him that I would automatically get reports through UCLA as to how completely he had stopped, but he assured me that I need have no fear in this respect. They asked if the ban was forever, and I said that it was not, insofar as I am concerned--that I would reopen the question at the proper time. He said that reports had already reached him about Wilbur Johns' gloating at the outcome and also that Johns was rumored to be leaving UCLA by the first of September of this year.

We also discussed the Newell problem and I said that there are difficulties involving Newell, Pete Elliott and George Wolfman, not concerning salaries, that it might take some time to iron out and they shouldn't jump to any conclusions as the solution to the problem develops. They seemed to

understand what I was hinting at, and put in a strong commendation of Bud Hastings. I said that the feelings of Newell, Elliott and Wolfman would be uppermost in our minds as we work toward a solution. Weiner had a copy of Tuesday's Berkeley Gazette with a Jim Scott story on the Newell problem and they both seem to be following this with intense interest.

The entire meeting was very friendly. They expressed disgust at Frank Storment's actions in the Harvey Knox case, and said that Storment did this without the Southern Seas' consent. I had a generally favorable impression that Weiner will continue to refrain from recruiting--that we can count on him to do so.

I caught United Flight #677 from Los Angeles at 5 p.m., arriving at the San Francisco Airport at 6:35 p.m. A University driver met me and drove me home. He gave me a packet of papers from my office, to go through at home.

After dinner with the family, I started in on the homework. There is a letter from Bernie Simpson, one of Pete Newell's players, strongly endorsing Newell and expressing dismay at rumors that he might leave.

A committee from Davis requests contributions for hanging a portrait of Stanley Freeborn there; I'll send $25.

My letter supporting Paul Kirk for the Fisher Award was acknowledged by the American Chemical Society.

Joe Kelly wrote inviting me to join the Sons of Toil Camp of the Bohemian Club. It includes Don Cooksey, Lee DuBridge, Frank Kidner, John Lawrence, Ed McMillan and others of my friends. I'll have to tell them I appreciate their invitation but have also been asked to join the Isle of Aves and am not sure of my status.

T. R. McConnell sent me his thanks for my approval of his questionnaire and suggests that we discuss appointing a small committee to consider requests for the data. I may be able to see him in August.

Admiral C. Tod Singleton (Engineering and Sciences Extension) asked me to address a dinner for high school teachers participating in G.E.'s Fellowship Program on our campus. Since it will happen during our family vacation, I will have to regret the invitation.

I received a memo from Raymond Sontag about Regents' Professorships and Lectureships. One Regents' Professor served during 1958-59, Newton C. Farr in Business Administration; there were no Regents' Lecturers. For 1959-60 the following appointments have been made or are pending: Regents' Professors Thomas H. Chilton in Chemical Engineering and Jean Renoir in English; Regents' Lecturers, C. W. Barrett in English and Librarianship and Horace M. Albright in Forestry. In Engineering, General James (Jimmy) Doolittle was asked to lecture but declined, and Vannevar Bush has been approved but doesn't seem likely. For 1960-61 C. P. Snow in English and Sinclair Weeks in Business Administration have been approved for Regents' Professorships. Sontag proposed a budget and expressed his committee's appreciation for my office's cooperation.

I got a handwritten letter from Irving Stone, whom I met at Commencement. He wants to follow up on my suggestion for a biographical novel. I'll tell him

my idea is undeveloped for the present and I want to wait a while. He is sending me a copy of a talk he gave at the Library of Congress on "The Biographical Novel". He asked whether he might send me an autographed copy of Men to Match My Mountains; I have a copy, but would like an autographed one. I'll send him a copy of my Elements of the Universe.

Sunday, June 21, 1959

I read the paper and played with the kids, but had to spend some time in the afternoon going through some paperwork from the office. Milt Chernin reported on a discussion that Donald Shively (Chairman of our Undergraduate Scholarship Committee) had with Stanford's Robert Huff. Stanford people allege and complain that we have given large grants to athletes Stanford refused aid because they had no need, and that Pete Elliott is telling people that need is not taken into account.

Bill Fretter wrote about a conversation he had with Reinhard Bendix about the directorship of the Institute of Human Development. Bendix's committee is having difficulty coming up with a recommendation; I made a note for Bill that this matter can wait for his or Ed Strong's return.

Bill Shepard sent a copy of his letter to Kerr saying that he is keeping track of the Kayo Hallinan case and will not refer it to a judicial committee until the completion of criminal proceedings in Marin County.

Wally Reynolds sent a couple of memos, one on a temporary press building and one on the addition to Building 50 at the Radiation Laboratory. I'll take these matters to the Campus Planning Committee.

Kerr sent a memo to CCCO's about leaves of absence without pay.

I noted a report of the Committee on Research on its decisions on applications for research funds, detailing reasons for cutting or denying proposals.

I also noted Milt Chernin's report on recommendations of the Advisory Committee for the Strawberry Canyon Recreational Area. Carl Nordly is concerned that the Committee is interfering too much with operations. Chernin is trying to keep him happy and still support the policy recommendations of the Committee. Kay Kerr has suggested the formation of "Friends of Strawberry Canyon" to raise funds for it; she is willing to participate in this activity.

Herman Spindt (Admissions Office) wrote, in response to a memo from Kerr, that he thinks Admissions can be represented on the Admissions committees of professional schools without amending Senate By-Laws; it sounds good to me.

Jim Hart forwarded the Statewide Coordinating Committee's changes in our capital improvement requests for 1960-61. Quite a few are being delayed. Some of these we can live with and others I have already protested, e.g. air conditioning in the Chemistry building.

Wendell Stanley sent me a copy of a long, impassioned letter to Kerr, protesting my decision in January with regard to space for Biochemistry and the Virus Lab, repeating the complaints he made to me in February and describing the mental and physical anguish this has caused him. He claims that as a result of his being cut back to one lab, he has had to dismantle his

own research and let eight high-grade postdocs go; they have gone on to more lucrative jobs.

Bill Fretter forwarded a letter from Harold Urey about Space Sciences, along with his own reply detailing activity at Berkeley about which Urey is "lamentably ignorant". Bill showed Urey's letter to Ed Teller, who wonders whether the chairman of the Berkeley committee (Teller) shouldn't be on the statewide committee, or whether Iz Perlman, who is on the statewide one, shouldn't be chairman of the Berkeley committee. Confusion reigns! I think this has all been poorly thought out by Kerr and he will be surprised by what he has unleashed through this committee. I predict one of the biggest hassles in the history of the University. I don't at present see a need for Teller on the statewide committee. Isn't Perlman the Berkeley Vice-Chairman? Urey's idea that a statewide facility should not be at Berkeley is an example of the "levelling policy" that is beginning to prevail and which has me worried.

Leaving home at about 6 p.m. I drove with Dave, Steve and Eric, to the Santa Fe railroad station in Pittsburg to meet the 6:50 p.m. train from Bakersfield (connecting from Los Angeles by bus). Here we greeted my mother and Uncle Karl (mother's brother) and Aunt Jenny Adolfsson.

When we arrived home, mother, Karl and Jenny greeted Helen, Pete and Lynne, after which we all had dinner in the dining room. Karl and Jenny gave each of our kids presents, gave me a book, Hammaren o Faklan, 1951-52 (which includes descriptions of our ancestors in Kopparberg) and Helen, a tablecloth made in Dalarna. I showed them around the house. Since Karl and Jenny cannot speak or understand English, I communicate with them in my limited, but adequate, Swedish.

Monday, June 22, 1959

I started the working day by going through correspondence at home, signing accumulated letters and getting caught up on things. I signed a letter to deans forwarding T. R. McConnell's recommendations and schedule for his study of entering freshmen next Fall.

I replied to Earl Parker's request for more space for the Budget Committee, indicating the rooms in Dwinelle Hall which will shortly be available.

I signed a letter to Nixon's aide, James Hughes, giving him Luis Alvarez' schedule and address in Russia next month.

I also signed a number of letters making committee appointments: to W. W. Horn asking him to chair the committee on the deanship of the new College of Environmental Design and to Vernon DeMars, T. J. Kent, E. P. Popov and H. L. Vaughn asking them to serve on it; to L. A. Harper asking him to serve on the Dwinelle Hall Space Subcommittee of BCD; to W. C. Helmbold asking him to serve on the Space Utilization Subcommittee of the BCD; and to Daniel Mazia asking him to chair the Chancellor's Advisory Committee on General Biology, and to R. Emerson, I. M. Lerner, E. E. Snell, R. Y. Stanier and G. S. Stent asking them to serve on it.

While I was still at home, I got a call from Greg Engelhard, at 9:30 a.m. I told him about my conversation with Weiner and Cain on Saturday and about the status of the IAAC report and alumni reaction to our proposed athletic

reorganization (generally favorable). He is going to see Newell this morning to tell him about his salary raise to $14,000 and to try to iron out other differences. Then he will call to clear a press release with me. I then talked with Alex Sherriffs on the phone, telling him of the general status of the IAAC report and of my talk with Weiner and Cain. He told him about his talks with Newell, Elliott, Wolfman and Paul Christopulos.

I went directly to the Rad Lab and saw Ben Mottelson in his office at 11:30 a.m. Mottelson said that he isn't ready to make up his mind yet--that he and Nancy have barely had time to talk with each other during the last month because of their social engagements. He will let us know some time. He asked if it would make any difference should he decide to come at the beginning or at the end of the Spring Semester. I said that we would prefer the beginning, but we want him whenever he can come. He asked about the amount of teaching entailed in such a split appointment between the Rab Lab and the Physics Department. I answered that it varies from a half-time to a full load. He said that he is going to see Carl Helmholz this afternoon to talk about Paul Benioff's thesis and could discuss this matter with him then.

I received a letter from Otto Hahn commenting on my article on "Early Radiochemical Investigations of Plutonium", reminiscing about his work and expressing the hope that plutonium will be used for peaceful purposes. Hahn wrote:

> "My dear Doctor Seaborg,
>
> Soon after my 80th birthday in March, Dr. Paul Rosbaud presented to me "Beitrage zur Physik und Chemie des 20. Jahrhunderts", part of which is dedicated to me and which as a whole is thought to be a memorandum-book for Meitner, Hahn and Laue.
>
> After several journeys in Germany and abroad, I was at last in the position to study your article "Early radiochemical investigations of Plutonium" more carefully. May I assure you that I was particularly interested to read the description of your earlier radiochemical investigations, though I already knew a great deal about your methods from former publications. The great difficulties you had to overcome to obtain ultramicroscopical quantities and the extraordinary responsability [sic] which lay upon your shoulders to carry out the enormous project merit utmost appreciation.
>
> How very simple were our methods of fission compared to this! The great advantage, however, was that our preparations were so weak that we had not to take any precautions. The chief question was quick fission and quantitative separation from the strong beta-rays of Uran X. We succeeded in obtaining very short-lived fission-products, some of which of less than 1 minute halftime value. But we were not able to obtain stable preparations of sufficiant [sic] activity.
>
> All that has been achieved after your discovery of Plutonium in December 1940 until the production of quantities large enough for the construction of bombs, represents a tremendous effort of those concerned. As you write yourself, no process on a large scale in chemical engineering history received such painful care in its development in such a brief period of time. This is certainly right, and I remember that Heisenberg, Weizsacker and others, when detained in England in 1945, could not believe the news of the bombardment of Hiroshima and Nagasaki.

Thanking you very much for your particularly interesting article, I wish to express my sincerest hope that in future Plutonium will only be used for peaceful purposes and not in a war in which the bombs of Hiroshima would almost be considered as moderate.

With kind regards
very sincerely yours,
(s) Otto Hahn"

I attended the usual brown bag lunch of the Chemistry Division senior staff in Perlman's office and shared Hahn's letter with them.

I signed a letter to Bert Corben in response to a letter from him enclosing a paper on beta decay energies; his approach is novel and I expressed some skepticism and suggested consulting the NAS Nuclear Data Sheets.

I then went down to the Chancellor's Office to continue catching up on business accumulated in my absence. At 1:45 p.m. I received a call from Herman Weiner. He wanted me to know that he is sponsoring a team in the Alhambra Basketball League which includes some UCB boys. He didn't think to tell me this when we talked on Saturday; it should be okay but he wanted to be sure I knew and wouldn't have it misrepresented to me by someone. He has invested hundreds of dollars and doesn't want to quit because of the recruiting flap. There are a couple of boys on the team who will come to Berkeley in the fall; he will not talk further to them about it. I'll pass this information on to Sherriffs and Kidner.

At 2:30 p.m. I saw Dean O. W. Wilson of Criminology.

Ed Teller called at 3:15 p.m. about progress on the computer situation. Nick Metropolis will come if conditions are right; he is engaged in machine construction in Chicago which will take another year. We should use interim measures for this year. Metropolis will be at Livermore all of August. He will want to know whether we are interested in machine construction; if not, he won't come. He thinks outside funds can be found. Maybe Livermore could cover costs for construction and design and then reproduce it at Berkeley. The salary will come high. Abe Taub from the University of Illinois would be the second choice; he couldn't come until January 1st or maybe in one year. He is weaker administratively than Metropolis. Could we invite both, each at around $20,000? At nine or twelve months? Livermore could help in this. Metropolis wouldn't start building until 1961. Teller saw them both at the Computing Conference in Paris; this is the main reason he went. Taub could visit in September. Teller will see if we could get someone from Livermore for the interim. Metropolis will want to see me in August. I told Teller to contact Bill Fretter if he needs to communicate information or get decisions during my absence. Also, Teller told me he's had feelers from state colleges on collaboration with Livermore. I told him to be non-committal, then see Kerr as soon as possible.

I signed a memo to Kerr on the use of tritium in Madera County, giving my judgement that the danger of radioactivity is slight, but that we will need a more comprehensive policy on such projects and should constitute a committee to study policy and make individual recommendations.

In response to memos from Dean O'Brien, I approved a program for eight Orinda high school students to participate in Engineering labs. I also extended Robert M. Saunders' acting chairmanship of Electrical Engineering until John Whinnery comes back on September 11th.

I signed a memo to Madison Beeler (Chairman of the Subcommittee on Space Utilization) concerning space for the Language Laboratory. They are to get several B (basement) rooms in Dwinelle. I approved giving to them space now assigned to the ASUC Radio TV Theater when an equivalent amount of space shall be made available to the ASUC. Room B-38 can also go to the Language Lab, since the Bureau of International Urban Research is moving to Piedmont Avenue.

I got a letter from Clyde Cowan (Catholic University in Washington, D.C.) asking for suggestions of material to be included in a new Smithsonian museum featuring nuclear energy. This looks like competition for the Lawrence Hall of Science. I replied that we are establishing a Hall of Science here, and will, therefore, keep most of our material, but as we get further along we can stay in touch with them and certainly will be open to making replicas.

I signed letters to deans and chairmen about disaster preparedness, enclosing a report and recommendations from Charles Dalziel's disaster preparedness committee.

I sent a note to Cecil Parker noting favorable reaction to the recent meeting between local high school people and Berkeley representatives and asking him to plan another such meeting for next spring.

I signed a letter to Leon Henkin appointing him as one of the two vice chairmen of the Mathematics Department.

I noted a memo from Harry Wellman asking for advice on a Santa Barbara proposal for an Institute for Urban Studies and Architecture; Donald Foley will reply.

We have received some unhappy letters from people who object to our asking a Buddhist to be the Commencement chaplain. I had a look at a draft letter of reply, pointing out that we have had a number of faiths represented, that Bishop Naito's son was in the graduating class, that his selection was endorsed by the ministers associated with the Interfaith Council, and that the University endorses not the particular faith of Commencement chaplains but the concept of religious tolerance and freedom.

I read a letter from John Baxter (University of Florida) praising my Elements of the Universe and my appearance on "Continental Classroom" and asking for another appearance. I replied that I would be happy to appear again and will keep in touch about any trips I may be making to New York.

A letter from Wisconsin Senator Alexander Wiley praises the PSAC report on "Education for the Age of Science" and informs me of his remarks concerning it as published in the Congressional Record; I wrote thanking him for his support. A letter from Leo Sario calls attention to the Buswell study showing kids get better mathematics instruction in England than in California. I replied with my thanks for his concern, telling him that I will circulate this information to appropriate people on campus. It should go to my Committee on Teacher Education and to Joel Hildebrand, James Stone and others.

I noted a report from C. W. Jones of the Educational Policy Committee about the Inorganic Materials Lab. They generally approve, if it doesn't take State money, but the Southern Section raises the problem that Willard Libby wants to set up such a lab at UCLA so the two campuses would be competing. They want Berkeley to supply more information; we had better do so.

At Clark Kerr's request, I met with him and Tom Cunningham at 6 p.m. at his house, regarding a meeting which Kerr had with Charles Odegaard, Wallace Sterling and Norman Topping this afternoon. Decisions made at that meeting included: admissions officers should meet once each year, and there should be automatic exchanges of academic information; Topping wants authority of presidents spelled out in the Articles of the AAWU (he will draft something); they will exchange descriptions of the nature of athletic authority in each university; Article X is to be changed to 3/4 by April 1960; presidents' meetings will have votes only by the four presidents (i.e. no representation by chancellors and only one vote for UC); a change of Article II will not be allowed for two years. Topping says UCLA is taking advantage of a technicality. If athletes take both tuition and subsistence grants-in-aid, they can't have an outside job. Wilbur Johns is having them forego tuition grants-in-aid in order to give them outside jobs.

Clark suggested one possible way of proceeding: that chancellors should be held responsible for application and full enforcement of athletic policy; they should consult with faculty, alumni and students; and the method of administration in fulfilling this responsibility and getting this advice is up to the chancellors. He will decide whether he wants it this way or whether he should make the decision about the way athletics should be administered at the University of California.

When I arrived home at 7:30 p.m., my family and guests had already eaten, so I ate alone. Helen told me that she drove Karl, Jenny and Mother on a sightseeing tour of Lafayette, including Happy Valley School which Dave and Steve attend. During the afternoon they watched as our kids went swimming in our jointly owned swimming pool in the neighboring Perlmans' property. The weather was hot today, hitting a maximum of 106° F in the shade. We went outside to walk around the grounds for a while, then spent the rest of the evening in conversation.

Tuesday, June 23, 1959

I went to the Chancellor's Office to get some work done before the noon Cabinet meeting. I received a letter which Bertrand Russell, representing the Continuing Committee of the Pugwash Conference, sent to thousands of scientists around the world enclosing the Vienna Declaration, which, according to Russell,

> "represents the views of a large number of scientists throughout the world, and can become the basis of their common activities on behalf of peace. We believe that scientists have an important contribution to make towards this aim by helping to ease tension and establish a community of interest and trust among nations."

I signed the letter replying to Irving Stone and sent a letter to Blaine Ramsey at UCLA thanking him for a note and a copy of his talk for the Chemistry Seminar last month, with a nice inscription to me. I told him his

teaching was one of the most important influences on my thinking and on my career.

I noted a memo to Jim Corley from Bob Kerley about parking spaces in the south campus area, wrote to Carl Nordly telling him essentially that he is doing a fine job and my committee on policy is not intended to interfere with it, and wrote to Ray Bressler asking him to serve on Sherriffs' Student Affairs Committee.

At 11:30 a.m. Ed Schoenfeld of the Oakland Tribune called. He has just returned from hospital, where he had two major operations. He just killed a Tribune story that claimed our administration doesn't know about unrest in the Athletic Department; he asked if there is anything else he could do and I said I could think of nothing. He asked about the meeting of the presidents yesterday and wanted to know if there was something he could do to help in regard to Stanford; I said I think not. Meanwhile, Anna Carol has been calling people to inform them that I have seen Weiner as planned, that it seemed to go well, and that this is all very confidential. She has told Kidner, Pete Newell (who will tell Pete Elliott), Mort Smith, Bill Keeler, Tom Cunningham and Dan Wilkes. I have given Alex a copy of my notes about my conversation with Weiner.

Present at the noon Cabinet meeting today were Chernin, Fretter, Malloy, Mauchlan, Sherriffs, Wilkes and myself; Hart and Strong are both away. I reported that the Regents approved the Russian exchange; however, the Ford Foundation cannot provide the necessary $25,000 for the agreement with Leningrad at the moment. If we hear from Thomas Blaisdell that the final word from Ford is negative, Jim Miller will telephone Jim Hart for instructions on other foundations to call. I reported on my meeting with Clark Kerr last night, saying that Kerr will issue a statement on athletic policy, excluding discussion of the administrative setup (Alex will call the three head coaches and Paul Christopulos Wednesday explaining the matter); that Kerr wants to give the administrative setup problem to each chancellor to solve and I am opposed and asked him to postpone his decision on this; that the presidents agreed to change the AAWU articles to give presidents a stronger say and that UC will have only one vote.

We discussed the report of the Committee on Public Relations; we found it good but may not find the money to implement some of the recommendations. There was a suggestion that our campus publication should have wider distribution than the California Monthly. We agreed that public relations should be discussed at the CAAC and carefully worded statements for the Bulletin and new faculty should be written. Milt will work with Dan on this.

Jim Hart attended the June 17th CCCO meeting in my absence and information from his notes was passed on: Policy regarding recruitment of academic staff from California institutions is being formulated; Regents Executive Committee minutes will be shown only to people who have permission to attend; Chairmen in the College of Agriculture may be appointed for five to seven years with reappointment allowed; Harry Wellman and Jack Oswald will redraft Regulations 6 and 26 on soliciting of gifts and the President will be given more power to accept foundation gifts; Chancellor Allen proposed an agency like the Stanford Research Center in the area of social sciences; banking facilities on campuses are to be left to campus option; Hart and Oswald are redrafting the first page of the discrimination policy; minor revisions were suggested for the non-academic grievance procedure; Kerr reported on budget and legislative

relations; Kerr asked whether we should retain some vocational curricula and our staff agreed that this is an area for state and junior colleges; Stanley Freeborn is to be special assistant to Kerr on statewide admissions; the July CCCO agenda will be mainly on student problems, e.g. ROTC.

I reported on the June Regents Meeting: that our possible separation of graduate students from the ASUC was reported, as was consolidation of the departments of Agricultural Biochemistry and Biochemistry; that Kerr said the report on retention and withdrawal of college students merits attention (should go on CAAC agenda); that action on the discrimination policy should be postponed for a month, so the Regents can get more information about policies at other universities; that leasing of land in the Chaparral Hill area was approved and UC will try to buy it from EBMUD; that naming of the Vernon Smith conference room at the Law School was approved, as was the appropriation for married student housing; that non-resident tuition will be increased from $200 to $300 per year starting in Spring 1960; that we can offer $7,000 to complete Residence Hall Unit #1; and that Berkeley and UCLA are to save 3.1% of the budget (other campuses, 2.2%).

I announced that I will be on vacation for the month of July and Jim Hart will be Acting Chancellor upon his return July 7th.

We agreed that we should meet with the Editor and Managing Editor of the Daily Cal early in the Fall Semester; also luncheons for the Daily Cal and the ASUC Executive Committee should be scheduled early in the semester.

I met briefly with Bill Fretter after the Cabinet meeting. He has made up his mind that he doesn't want to be the director of the Space Sciences Laboratory on a long-term basis, but is willing to serve as Acting Director until a permanent one is found if I want him to do so.

Anna Carol informed me that Frol Kozlov (first Vice Chairman of the Presidium in the Soviet Union) will be in New York at the end of this month and may come to the Bay Area in early July and visit Berkeley on July 6th. Kerr's office would handle this if it happens. I will be out of town, as will Jim Hart unless he can manage to get it changed to July 7th.

I went over to Kerr's office for a 3 p.m. meeting with him, Wally Reynolds, Ed Teller, Ed McMillan, Ken Pitzer, Harry Wellman and Norris Bradbury, concerning salaries at Livermore. Kerr indicated that he may raise salaries as urged by Livermore people on June 5th, but there was no definite commitment.

Teller, Wellman, Kerr and I stayed on to discuss the request of the State College at Pleasanton which asked that Livermore furnish them lecturers. We decided not to go along with it because of the tenuous nature of the plans for this branch of the state college system.

I spoke with Teller and told him we would probably go ahead with his recommendation for the directorship of the Computer Center. I also said that I don't think the committee aimed high enough for the directorship of the Space Sciences Laboratory, that I have been thinking of Herb York or Edward Purcell, with maybe an interim appointment of Fretter. I told him we are closing in on Tom Pigford for Chairman of Nuclear Engineering.

I also spoke with Ken Pitzer. I informed him of the status of the Dean of Engineering appointment and the Nuclear Engineering chairman (Pigford). I

told him about UCLA's "me, too" reaction to the Inorganic Materials Laboratory and about the trouble we are having getting this through the AEC because of the opposition to Willard Libby by other AEC members- but said that we would probably work it out.

I had a long meeting with Kerr, starting at 5 p.m. We discussed athletics. Clark told me that he is going to agree to Greg Engelhard's request to schedule a game with Oregon, but not to one with Miami. He said that Greg should talk to Stan McCaffrey about raising funds for subsistence grants-in-aid. I told him about my visit to Weiner and about Alex Sherriff's three-point plan, which sounded okay to him.

He told me Walters of Stiles Hall is interested in the job of activities director; he is not good enough.

I discussed Harold Urey's letter with him and expressed my reaction forcibly.

I suggested Robert Penn Warren as a possible Charter Day speaker; he thinks Konrad Adenauer would be a first choice and James Conant, a good second choice.

He okayed my approaching Don Cooksey about taking a staff position with the Lawrence Memorial project; we need to take into account his retirement pay in offering a salary.

He turned down to Jim Hart's suggestion that Springer funds be earmarked for the Art Gallery now that they have been saved by Ehrman's gift.

I told him about my reservations about having an institute at Livermore: it is doubtful whether it is a good location for a campus, whether the quality of people (both faculty and students) will match Berkeley's, whether short-range terms for students is a good policy, and whether Ed Teller's situation there will be permanent.

Kerr wants cost estimates for our recommendation of a management survey of the Registrar's Office.

We discussed Maurice Moonitz' proposal on housing to aid in the recruitment of faculty. Kerr is interested in it but not hopeful of action this year; he suggested that Moonitz talk to Ray Kettler about it.

He brought up Dean Grether's long-standing complaints about teaching loads being higher in Business Administration than they are in Economics. Faculty don't like Lincoln Constance's policy of letting Economics determine their own load; I should discuss this with Lincoln.

I should also discuss with him the many complaints Kerr has been getting about his office's treatment of students; Letters and Science should have better relations with students.

I told him that we are interested in Paul Taylor's Steep Ravine in Marin County; we concluded that if it is given to us, we'll take it.

He wonders whether Bill Wurster shouldn't be made Acting Dean of the College of Environmental Design pending the deanship review process, so that budgetary requests won't get held up. (I should check this out.) He has doubts about the location of the Undergraduate Library east of the Life Sciences Building

he feels that it would be out of the flow of student traffic. He wonders why we couldn't use Wheeler Auditorium when we get the new Humanities Building, or put Humanities in Sproul Hall or the Undergraduate Library in Sproul Hall; I'll run this by Jim Hart and Sandy Elberg.

We agreed that acquiring the Deaf and Blind Schools is a number one priority. He wants a proposal to acquire it, showing how it would be used; this won't be easy, but I'll ask Elberg to work on it.

We discussed the establishment of a Marine Laboratory on the Del Monte Estates; Wally Sterling has offered us land. Kerr isn't convinced that 60 acres are needed. The man to work on this at Stanford is Fred Terman; I'll ask George Papenfuss to get in touch with him.

Kerr suggested that we could maybe make a pitch for $600,000 which is available in the Morrison fund--perhaps we could use this to build one unit of the cultural center. He also mentioned $900,000 in the McEnerney fund. I'll ask Hart to check into this.

I told him that we are having trouble getting $25,000 from the Ford Foundation for the exchange program with Leningrad.

He brought up the Department of City and Regional Planning. He questions its strength, despite Ed Strong's inquiries and report on my behalf earlier this month. He said that no one from the Department attended the recent Governor's conference at Lake Arrowhead. He saw Paul Ylvisaker there, who said there is nobody good here except Catherine Wurster. The best person in the state is at USC and our people aren't having any impact on the state. I'll ask Strong to investigate further.

Kerr told me that Lionel Trilling (Professor of Literature at Columbia University) might be interested in coming to Berkeley, either as a Regents' Professor or permanently. He also said that Charles Woolsey Cole (former president of Amherst) is interested in coming to UC.

We talked once again about Vic Schmidt and he asked me to drop him a note saying we are still looking for a position for him at the University.

Clark mentioned that Herm Selvin and others complained at a dinner which he attended that they gave money to the Law School and didn't even get an acknowledgement from Bill Prosser. Alfred Whitney Griswold of Yale always acknowledges gifts personally. I'd better take this up with Prosser.

He also asked me whether I can quiet down Paul Taylor and Tom Blaisdell a little. He says that Blaisdell held up the Ford Foundation support for the African Center. I'll ask Ed Strong to talk with them and ask them to keep their squabbles "in the family".

Clark says that Cort Majors is not sure that Dick Erickson is doing the best job possible because he feels that he didn't fight for the Student Union, that he spends a lot of time on the Tahoe Center and neglects alumni clubs throughout the state. I will talk with Majors myself about this and get back to Kerr.

He also expressed the opinion that anything we could do to reduce the impact of SLATE would be good; I'm sure Alex Sherriffs will like this advice.

We agreed to a general round-up session, say, in August. I then headed home. When I arrived there, Helen told me that she drove our guests on a more extensive tour of Lafayette today. The weather was again hot, reaching a maximum of 105° F in the shade and was still 95° at 6 p.m. We all had dinner in our patio.

Wednesday, June 24, 1959

I went directly to the Rad Lab for the Associate Directors meeting at 9 a.m. Ed McMillan agreed to make another try with the AEC to get permission for the Russian Student Oleg Knab to work at the Rad Lab this summer.

I spoke with Don Cooksey at 10 a.m. I asked him to take a position on the staff of the Hall of Science project; he is interested but can't do much before September. There is a complication since he is on SERS (State Employees Retirement System) and not allowed to accept any salary from the state. He might be willing to work for nothing and will help Lionel Viales in any case. After talking with him, I told Viales that he will be working with Cooksey. Viales is going to make a report on all his activity, which will be ready in a week or two. He will send it to all members of the EOL Memorial Committee and will see the eastern members, also. He is beginning to work on a prospectus and initiating the search for a director. I also discussed the Inorganic Materials Lab proposal with Viales; he is modifying it. I think this can go to the Regents Educational Policy Committee during my absence.

I spent the afternoon down in the Chancellor's Office. At 1:40 p.m. I got a call from William Flynn of Newsweek magazine. He wanted to know whether I think Klaus Fuchs could make a worthwhile contribution to science after being out ten years. I said he could, in basic science, but this shouldn't make any difference in the East-West struggle with so many scientists involved.

I also got a call from Bill Coblentz, the Governor's secretary. He wanted to know my views, in response to his letter of June 1st, on the Coordinator of Atomic Activities. I told him that a letter had gone back to him a couple of days ago and that he should have had it by now. He asked about Simon Kinsman, who, he said, got his degree here at UCB. When I said that we would inquire, he noticed that he was mistaken, Kinsman got his degree at Stanford, so we couldn't be of much help.

I signed some more letters concerning department and committee appointments: to Ruth Okey asking her to continue as Chairman of the Departments of Nutrition and Home Economics until a successor is named in the fall; to Francis Whitfield reappointing him as Chairman of the confidential Committee on Changes in Student Grades, to Edwin Orlemann and Lawrence Grossman appointing them as members of that committee and to William Gwinn relieving him of membership at his request. I noted Whitfield's report on their activity this year--about the same as last year.

I had an appointment with Ray Bressler at 2 p.m. and then made a call to Dan Wilkes. I told him that the Science Teachers magazine article is fine and that Earl Hyde will draft my article for the Saturday Evening Post and David Shirley will draft the Lyons speech letter. I also told Dan about the article Ray Ginger asked me to write.

At 2:15 p.m. I met with Antoni Oppenheim. He wants to know if he could have my permission to see Clark Kerr about his interest in La Jolla, perhaps as an adviser and perhaps permanently. I said "yes" but told him that we certainly do not want to lose him.

At 2:30 p.m. Gunther Stent brought Francis Crick in to meet me. He is a molecular biologist on a visiting appointment from Harvard. We got acquainted and I told him that I'm glad he is here. Daniel Mazia had let me know that Crick's plans will probably not make him a prospect for appointment here, but I told him that one of my aims is to have a strong department, and asked him casually to pass on any impressions he has of it before he leaves.

At 3 p.m. I received a call from Jerd Sullivan to let me know that he came up with five tickets to tomorrow's San Francisco Giants baseball game and is sending them over via Bill Wurster.

I then met with Lincoln Constance. I passed on Kerr's information that we might be able to get Trilling and Cole here.

We discussed L&S procedures on probations and dismissals and Extension courses and W. S. Wellington's situation as Director of the University Art Gallery.

I read a confidential letter to Constance from Jacobus ten Broek, giving his explanation of the departmental argument about its graduate program.

I told him about Kerr's concern about the apparent inequity in teaching load between the School of Business Administration and the Economics Department and asked him to take this up tactfully with Aaron Gordon.

The Campus Planning Committee met at 4 p.m. in the Conference Room. I was a little late, since the meeting with Constance ran a little long, but only missed the reading of the minutes. Members present were McLaughlin, Wurster (who came in after the decisions involving his firm were made) and I; in attendance were Sandy Elberg, Louis DeMonte, N. H. Dyer and A. R. Wagner.

We interviewed candidates for executive architect appointments for the Biochemistry Building and the Physics (Building 50) addition at the Rad Lab: Donn Emmons and Donald Stover (Wurster, Bernardit & Emmons), Eldridge Spencer (Spencer & Lee), Worley Wong (Campbell & Wong), and Frank Hunt (Kitchen & Hunt). We decided on Wurster, Bernardi & Emmons for the Biochemistry Building and Spencer & Lee for Building 50 and the Health Physics building at the Rad Lab. We recommend locating the Biochemistry Building at Hearst and Oxford and approved use of the Gill Tract in Albany for Agriculture, married student housing and some general University purposes. We decided that the first increment of the Biochemistry Building should be planned for 60,000 square feet rather than 40,000.

The Committee recommended that my office review with Ed McMillan the location of the Lawrence Hall on Chaparral Hill, future expansion of the Rad Lab into Fog Bluff-Grizzly Peak, and use of the latter area also for the Space Institute.

We told Wurster and DeMonte to continue work on Barrows Hall with the Executive Architect to assure a handsome and interesting exterior design and suggested that Wurster be appointed to the Area A Subcommittee of BCD which should review the schematics of the Environmental Design Building.

DeMonte endorsed the choice of site for the Undergraduate Library.

Wurster reported that he has visited the Blake property in Kensington and recommends a slight relocation of the greenhouse there.

I was late getting away, and delayed even further by having an accident at 7:15 p.m. at Dana and Haste Streets on my way to the tunnel. A driver in a VW ran into me in the intersection, slightly damaging my right front fender. I was first into the intersection but I suppose the insurance companies will fight it out. The other driver was a UCLA student here on a visit.

When I finally arrived home, Helen told me she had taken Karl and Jenny, along with Dave, Steve and Eric on an all-day tour today. Starting at 10:30 a.m. they drove to Muir Woods via San Francisco, passing through Chinatown en route. They had lunch in the snack bar at Muir Woods and then took a walk among the redwood trees. They stopped in the souvenir ship, where Helen purchased a number of redwood items (candlestick holders, salt and pepper shakers, etc.) to give to Karl and Jenny, their children and grandchildren. Leaving at about 4 p.m., they drove home via San Rafael and the San Rafael-Richmond Bridge, through the University campus and over the hills via Grizzly Peak Boulevard, arriving home at about 5:30 p.m. We all had a late dinner in the patio.

After dinner, Frank Kidner called to inform me that Tom Hamilton has accepted the appointment as Executive Director of the AAWU.

Thursday, June 25, 1959

Today I took most of the day off to take Uncle Karl, Dave, Steve and Eric to the San Francisco Giants-Pittsburgh Pirates baseball game. Leaving home about mid-morning, I drove first to my Dwinelle Hall office to go over my mail and pick up some papers for reading tonight.

I signed a letter to Cort Majors enclosing the full IAAC report and assuring him that the athletic program will be stable even though we are still working out the administrative arrangements. Anna Carol informed me that Frank Kidner called to say that the University of Pittsburgh wants no announcement on Tom Hamilton (whom they are losing) until Monday. In case of a leak, everyone is to say that Hamilton is being considered, but there is no more news at this time. Kerr, Kitty Malloy, Alex Sherriffs and all other AAWU schools have been informed.

We went on to San Francisco, where we parked as close to Seals Stadium as we could. We walked to the stadium and had hot dogs, etc. for lunch. The game started at 1:30 p.m. and lasted until 4:30 p.m. The Pirates won by a home run in the 12th inning. Due to the heavy traffic, it took us two hours to drive home to Lafayette.

After dinner with the family, I went over the few messages and other papers I had picked up from the office. Anna Carol reported on several phone calls. Herman Weiner called for me and she put him through to Alex at my request. He told Alex that he had been visited for an hour and a half by a representative of the NCAA yesterday and he thinks the interview went fine.

Ken Setterdahl called at the suggestion of Ed Carter about plans for the Lawrence Hall of Science. He is with the architectural firm of G. A. Brakeley in San Francisco and has pictures of his work in the Los Angeles Art Museum. Carter thinks that I should see them before the next Regents Meeting. I'll have a look at his work in August and meanwhile will ask Lionel Viales and Bill Fretter to see some of it it.

I signed a letter to C. W. Jones thanking him for the Educational Policy Committee work on the Inorganic Materials Laboratory and sending a more detailed proposal for their further consideration.

I read a long, detailed report on the unauthorized rally held on March 12th at Sather Gate from Austin MacCormick's Faculty Committee on Student Conduct. They detailed the events leading up to and including the rally and reported that the Committee members were evenly divided between those who consider it an unauthorized rally by SLATE and those who feel it was simply a rally by individual students. In either case, they all feel there was so much confusion about the whole matter that the infraction was not sufficiently serious to warrant disciplinary action. They feel that they are so divided as to the interpretation of University rules that students can hardly be expected to understand them.

I noted an old memo from Bill Fretter about a conversation he had with Ed Teller week before last about cooperation between Livermore and the new state college at Pleasanton. I've already talked with Teller and Kerr about this and we decided not to go along with it.

Anna Carol reported that Bill Nierenberg is happy that I have agreed to speak at the APS banquet in Honolulu and would like a title. I'll talk on general observations and reactions to my position as Chancellor. I wonder whether Anna Carol can come up with a title.

I approved a proposal from Bob Kerley that the Ambassador Apartments be used for married student housing and noted a letter from Dick Hewlett (AEC historian) thanking me for seeing them here and expressing his pleasure at the usefulness of Ernest Lawrence's papers.

Friday, June 26, 1959

This was a difficult day, due to the rush to get everything done before I leave town to go on my vacation. It started with a 9 a.m. meeting of the Joint Advisory Committee at San Francisco State. I drove directly there, parking in the Administration Building parking lot, and went into the President's Conference Room for the meeting. We discussed the Master Plan Survey of Higher Education. Dean McHenry gave me copies of minutes of meetings of June 16th, 22nd and 23rd. I expressed doubts that the Master Plan Survey Committee plan of action, with so many subcommittees, would lead them to settle many differences of opinion that we have on policy.

Bill Priest introduced a motion, passed unanimously, to have junior college and private college representatives on the Master Plan Survey Committee. The subcommittees were set up, on Admissions, Fiscal Ability, Costs, Institutional Capacities and Enrollment Projections. UC representatives will be Herman Spindt, Malcolm Davisson, Ray Kettler, Donovan E. Smith, Lloyd Morrisset, Johnson and Smith.

After lunch we started work on San Diego State President Malcolm Love's revision of his "Higher Education in California- Functions of J.C.'s, S.C.'s and U.C." I could not stay for the whole afternoon; I had to head back to Berkeley to get through all the work piled up in my office.

Upon arrival at my office I sent off a note to Jerd Sullivan thanking him for getting the baseball tickets and sending him a check. I told him that we enjoyed the game very much- despite Eddie Fisher's lapse in the 12th inning.

I also read Anna Carol's and Kitty's reports on Clark Kerr's difficulties with Governor Pat Brown. They had a conversation about the state college for Pleasanton and Kerr mentioned that we are thinking of a technical institute for Livermore. The next thing Kerr knew, it was in the paper that Governor Brown is reopening the question of a state college there. Brown is supporting state legislator Carlos Bee in this. Kerr had to get out a statement saying that the University is considering Teller's proposal for a technical institute. I have my doubts about the institute idea, as I told Kerr on Tuesday. Brown is also going to be difficult about the land at La Jolla. Kerr got out a statement yesterday endorsing the Regents' resolution on constitutional independence of the Regents and asking the governor to veto earmarking of funds.

Carl Nordly sent the report of the Advisory Committee for the Student Health Services; I thanked him and discussed follow-up. I sent a note to Maurice Moonitz about his suggestions for including housing for faculty we are recruiting; I told him Kerr is interested and he should contact Kettler.

I noted a report from Maribel Montgomery on the status of the College of Environmental Design deanship. Errol Mauchlan thinks they can carry on the budget without having to go through the formality of naming Wurster Acting Dean. (Neither Errol nor the Accounting Office like the name of the new college; they have agreed to call it the College of Better Homes and Gardens.)

Frol Kozlov is coming to the campus on July 6th, during my absence; I signed a letter to him, to be delivered by Clark Kerr when he meets him, and a letter to Philip Mettger in Washington informing him of the arrangements for the visit.

I also signed a welcome letter to Chancellor A. D. Bruce of the University of Houston, to be given to him when he visits here next Monday.

I sent $1,000 to Frank Kidner as my contribution for the Lewis-Latimer rooms at the Faculty Club and $175 to R. A. Brightsen of NSEC for my stock, with a note that I'll let him know when I am going to be in the East so he can arrange their meetings. (I serve on the NSEC Board of Directors.)

I sent a note to Bill Baker about my consultantship for Bell Labs, telling him the agreement seems okay and that I hope that this can be carried out without publicity. He wrote in his letter of June 23rd that there is some encouragement on the UCB materials laboratory program; I passed this information on to Bill Fretter and Ken Pitzer.

I signed a memo to Jack Oswald giving him my comments on a number of matters pending before the CCCO, and sent a note of appreciation to Margaret Murdock upon her retirement after 40 years of service to the University in the School

of Education and as assistant chime-mistress in the Campanile. I also signed a memo to Clark Kerr recommending Dan Wilkes' promotion and a letter to Lawrence Grossman asking him to continue as Acting Chairman of the Nuclear Engineering Division.

Then I turned to the many letters appointing faculty to committees for the next academic year. A list of the committee appointments is attached.

I wound up with the following appointments: Fraternity Affairs Advisory Board- R. D. Miller (chairman), faculty A. A. Kragen, Nello Pace, Arleigh Williams, Bill Shepard, T. B. Dutton, alumni Edward G. Chandler, Henry Pong, Mechial Voyne, students Anthony Johnson, James Riding, George Breed; Women's Judicial Committee of the ASUC- Janet McGinley (chairman), Barbara Barron, Marilyn Bowen, Joyce Robbins, Linda Groves, Priscilla Spires, Susan Warner; Men's Judicial Judicial of the ASUC- Scott Wilcott (chairman), Paul Blum, Robert O'Day, Charles A. Dormann, Jr., Sanford Skaggs, Todd Barthold, Frank Rapp; Student Judicial Committee of the ASUC- Joyce Baker (chairman), William A. Dillon, Jr. Geraldine Solari, Bernard Freiwald, Evelyn Hollingshead, Bernard Key, John Olson, Maria Louisa Toriggini.

Herman Weiner called at 4 p.m., having missed me yesterday, to "give the University a better break than he had ever received from the University." A man named Bergstrom from the NCAA came to see him about the UCLA incident last year and the Kilmer and Moore statements; he wants to know whether Weiner had anything to add to the report. Apparently, somebody was provoked by George Dickerson's attitude in flying up to Berkeley. I asked Weiner if Bergstrom was speaking for himself or for the NCAA; he said that he couldn't tell and didn't want to ask questions. He said Bergstrom was quite friendly and stayed well over an hour. I asked whether Bergstrom had inquired about the Southern Seas and transportation, etc.; Weiner said he had not. I told Weiner he had handled himself well and said that I hope that they don't do anything about UCLA. He agreed with this, said he hopes not, too, that it's water under the bridge now. Kitty relayed this message to Clark Kerr through Gloria Copeland.

I had an appointment at 5:30 p.m. with Warren Kaufman and Percy McGaughey of Engineering. They wanted to discuss with me an experiment or two in collaboration with an oil company, in which they put five to 100 curies of tritium as water in a well which pumps it into the ground and then look for its appearance in an oil well miles away, to study the passage of water through the ground. I told them to send in their request, and we will send it to Nels Garden for evaluation in my absence and then on to the President with a recommendation. I said that we will keep pressing the President's Office for a policy on this.

I then headed for home, taking more papers with me from the office. When I arrived home, Helen told me that she drove Karl, Jenny and Mother today for a visit with Mrs. Larm in Oakland. My parents met Mrs. Larm on the boat on their way to Sweden in 1948. They were there from about noon until 5 p.m., delivered and picked up by Helen, and were well fed with food and coffee and glogg (a Swedish alcoholic drink of some potency). We all had dinner in the dining room while listening on the radio to the World Heavyweight Boxing Championship fight between Floyd Patterson, the champion, and the Swedish challenger, Ingemar Johansson. To my surprise and that of our kids, and to the delight of Uncle Karl, Johansson won via a knockout in the third round. I gave Karl a running account of the fight as it progressed.

Center for Chinese Studies:
- Walter Galenson (C)
- S. H. Chen
- Wolfram Eberhard
- J. R. Levenson
- C. M. Li
- R. A. Scalapino

Rhodes Scholarships:
- R. W. Jenning (C)
- T. M. Bogard
- G. A. Brucker
- L. M. Lipson
- J. H. Reynolds
- R. L. Usinger

Center for Japanese Studies:
- Donald Shively (C)
- Henry Rosovsky
- R. A. Scalapino

Discrimination:
- Robert Cockrell (C)
- David Blackwell
- D. A. Riley
- Sho Sato

Student Housing:
- Adrian Kragen (C)
- J. R. Caldwell
- G. Hearn
- E. H. Huntington
- Rene Herrerias
- Ruth Donnelly
- Arleigh Williams
- Katherine Towle
- Scott Wilson
- (Students to be appointed later)

Living Accommodations:
- Helen Worden (C)
- Ruth Donnelly (ex-officio)
- R. E. Erickson
- Edith Lindsay
- A. H. Sherry
- Arleigh Williams
- Scott Wilson
- Anthony Johnson
- Ann Miller

Nominating for Jefferson Lectures:
- Jim Hart (C)
- E. L. Burdick
- Adrienne Koch
- F. C. Newman
- H. N. Smith

Manpower Mobilization:
- A. M. Ross (C)
- J. G. Siler
- Adraenne Batts
- W. L. Wylie
- Mason Haire

Parents Day:
- Arleigh Williams (C)
- R. E. Erickson
- A. S. Levens
- W. F. Shepard
- (Students to be appointed later)

Center for Southeast Studies:
- Joan Bondurant (C)
- Wolfram Eberhard
- Murray Emeneau
- Margaret Fisher
- J. G. Gumperz
- D. G. Mandelbaum

Orientation Program for New Faculty Members:
- Ed Strong (C)
- Milt Chernin
- Donald Coney

Public Ceremonies:
- Garff Wilson (C)
- J. E. Berdahl
- E. H. Burness
- R. E. Erickson
- W. H. Giedt
- M. A. Goodman
- S. C. Gurney
- H. M. Lovett
- Nello Pace
- J. D. Rogers
- Dan Wilkes

Parking Appeals:
- A. H. MacCormick (C)
- Sarah Hallam
- Frank Hopkins
- E. R. Parker
- J. C. Reidenbach

Student Orientation and Counseling Program:
- D. S. Noyce (C)
- Bill Fretter
- C. F. Garland
- P. T. Hastings
- Maryanne Reid
- Arleigh Williams

Nominating Candidates for Fulbright Awards:
- James Cline (C)
- J. W. Kerman
- Adrienne Koch
- W. K. Pritchett
- D. H. Templeton

Instruction in Radiation Protection:
- Charles E. Smith (C)
- H. B. Jones
- Robert Karplus
- W. J. Kaufman
- P. H. McGaughey
- C. B. Morrey, Jr.

Arts and Lectures:
- L. H. Moe (C)
- Donald Coney
- Betty Connors
- T. M. Bogard
- R. W. Goldsby
- Armin Rappoport
- Herwin Schaefer

Research in Social Economics (Heller Committee):
- Emily Huntington (C)
- Jessie Coles
- George Kuznets
- Harvey Leibenstein
- David McEntire
- Ruth Okey

Public Relations:
- Henry J. Vaux (C)
- C. M. Hulten
- R. F. Kerley
- A. W. Searcy
- Dan Wilkes
- Arleigh Williams
- R. E. Erickson
- Arthur Harris
- V. A. Stadtman

Center for Slavic and East European Studies:
- Charles Jelavich (C)
- Gregory Grossman
- Frederic Ligle
- N. V. Riasanovsky
- H. F. Schurmann
- Gleb Struve
- Julian Towster

Travel Grants:
- Charles Jelavich (C)
- A. C. Blaisdell
- Jim Hart
- M. A. Stewart

Center for Latin American Studies:
- J. F. King (C)
- Luis Monguio
- J. H. Rose
- A. Torres Rioseco
- F. Violich

Institute for Personality Assessment:
- T. R. McConnell (C)
- E. R. Dempster
- M. M. Loeve
- L. J. Postman
- R. H. Crede
- R. S. Crutchfield
- D. W. MacKinnon

I read office papers during the evening. Ed McMillan sent a memo recommending Chaparral Hill as the best site for the Lawrence Hall of Science.

Lionel Viales sent some more supporting material for his Inorganic Materials Laboratory proposal. We need to include provisions for building an access road, if possible.

Kitty Malloy sent me a note that she had passed on to George Papenfuss Kerr's message regarding Sterling's offer and asked him to get in touch with Terman. Papenfuss plans to go down to Stanford with Roger Stanier and Daniel Mazia to look over the situation, but will proceed carefully because Terman didn't even know the offer had been made. This is usual with Sterling!

I received a wonderful letter from Denzel Carr of Oriental Languages extolling the virtues of his secretary, Margaret McMurray, and asking for an over-maximum salary increase for her; Maribel will respond.

I approved action on salary classification for four men in the Accounting Office and Clint Gilliam's proposal that the Placement Center be moved from South Hall Annex to Dwinelle Hall Annex.

Frank Beach sent me a memo, since I couldn't see him today, concerning the site for the Behavior Research station on Chaparral Hill; EBMUD needs a solid assurance from the University that it intends to purchase the tract. Kitty called Gloria, who is expediting the matter with a letter from Kerr to McFarland of EBMUD.

T. R. McConnell's office sent a draft letter from me to entering students, to go with his questionnaire. I told Anna Carol to go over it with Alex Sherriffs, to make revisions and follow through with it.

Anna Carol told me about her talk with Iz Perlman concerning recommendations for people to be appointed to the PSAC. We'll have to talk by phone about this- while I am on vacation, if necessary.

I noted that Eileen Carson sent Robert Carleton the manuscript for the Science Teacher article; they are to send proofs back for me to read.

I signed a strongly favorable report on Vitor Crespo's work, drafted by Earl Hyde, to Crespo's institute in Portugal.

George Mehren (Director of the Giannini Foundation) called me this evening following up on a memo he had sent requesting formal support from the University for their application for Ford Foundation grants. I agreed, subject to whatever approval is required by the President and the Regents.

Saturday, June 27, 1959

Karl, Jenny and Mother left to return to South Gate this morning. After taking some pictures of them in the patio, I drove them, along with Steve and Eric, to the Santa Fe Railroad Station in Pittsburg. I left at 8:45 a.m., arrived in Pittsburg at 9:20 a.m., and they soon boarded the train, which left on time, at 9:33 a.m.

At Home in Lafayette just before Mother and Uncle Karl and Aunt Jenny left
June 27, 1959
L to R: Helen, Eric, Pete, Lynne, Steve, Dave and Selma Seaborg, Karl and Jenny Adolfsson

At the Railroad Station, June 27, 1959
Front row: Eric and Steve Seaborg; Back Row: Selma Seaborg, and Jenny and Karl Adolfsson

Upon my return I went through the last bit of paperwork from the office. I had received a memo from Kerr asking both Berkeley and UCLA Schools of Engineering to admit qualified students in excess of our quotas. In the present state of our relations with state colleges, it is a bad idea to give the impression that we are not making every possible effort to admit all qualified students. I signed a memo to Clyne Garland to that effect.

Kerr forwarded a recommendation from Stan McCaffrey that Horace Albright be considered as a Regents' Lecturer. Sontag's committee approves and I approved a reply to go to Kerr next week recommending Albright's appointment.

I also authorized Maribel Montgomery to get a letter off to Ambassador Lacy over my signature asking State Department permission for Russian student Oleg Knab to do some research work at the Rad Lab with Iz Perlman.

I approved drafts of several other letters to go out over my signature next week: to Senator Thomas Kuchel forwarding and supporting the text of the Academic Senate's statement of May 25th against the NDEA loyalty oath; to Warren Pillsbury of the Class of 1909 thanking the Class for its contribution of $5,525 towards a scholarship fund; to Garff Wilson denying his request that we change our procedure on appointment of the University Marshall; and to W. R. Dennes appointing him Marshall, the usual role for the Vice Chairman of the Academic Senate.

I spent the rest of the day getting ready for the drive to Carpinteria for our family vacation.

Sunday, June 28, 1959- Carpinteria

Today our whole family started our one month vacation. We drove down to Carpinteria, a little town just south of Santa Barbara where we have rented a summer house from Mr. Holmes, located at 3597 Padaro Lane. Enroute we stopped for lunch at the home of an old Cal alumnus. He gave us a box of books to read on our vacation.

The house we are renting is situated about 15 feet above the beach, which we reach by a pathway through a huge pile of intervening boulders. The back of the house has a glass-enclosed patio and outside of this, a deck with a wooden floor and behind this, the ocean pounds on the boulders. The beach is to the south of our house and it is possible to walk along the beach a quarter of a mile or so to a little shopping area.

Monday, June 29, 1959- Carpinteria

While Helen stayed at home, putting the house in order, the kids (Pete, Lynne, Dave, Steve and Eric) and I drove to the nearby Carpinteria Deposits, which are described in a book written by Ralph Chaney, which he loaned to us before we left. This is a fossil digging ground of Pleistocene vegetation and it should be possible by searching to find fossil cone (*Pinus moraca*) which show the characteristic features of the living Bishop Pine. To cover the eventuality that we might not find such a fossil cone, Ralph gave me one, which I managed to plant in a position so that Dave found it amid great excitement.

Tuesday, June 30, 1959

We all went swimming at the neighboring beach. I also took the kids on a walk along the beach to the shopping area, which is obviously going to be popular with them because there are candy stores and places to buy ice cream.

LAWRENCE BERKELEY LABORATORY
TECHNICAL INFORMATION DEPARTMENT
UNIVERSITY OF CALIFORNIA
BERKELEY, CALIFORNIA 94720