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JOURNAL OF

GLENN T. SEABORG

Berkeley Chancellor

July 1, 1960—January 31, 1961

Lawrence Berkeley Laboratory
University of California

PUB-624 v.3
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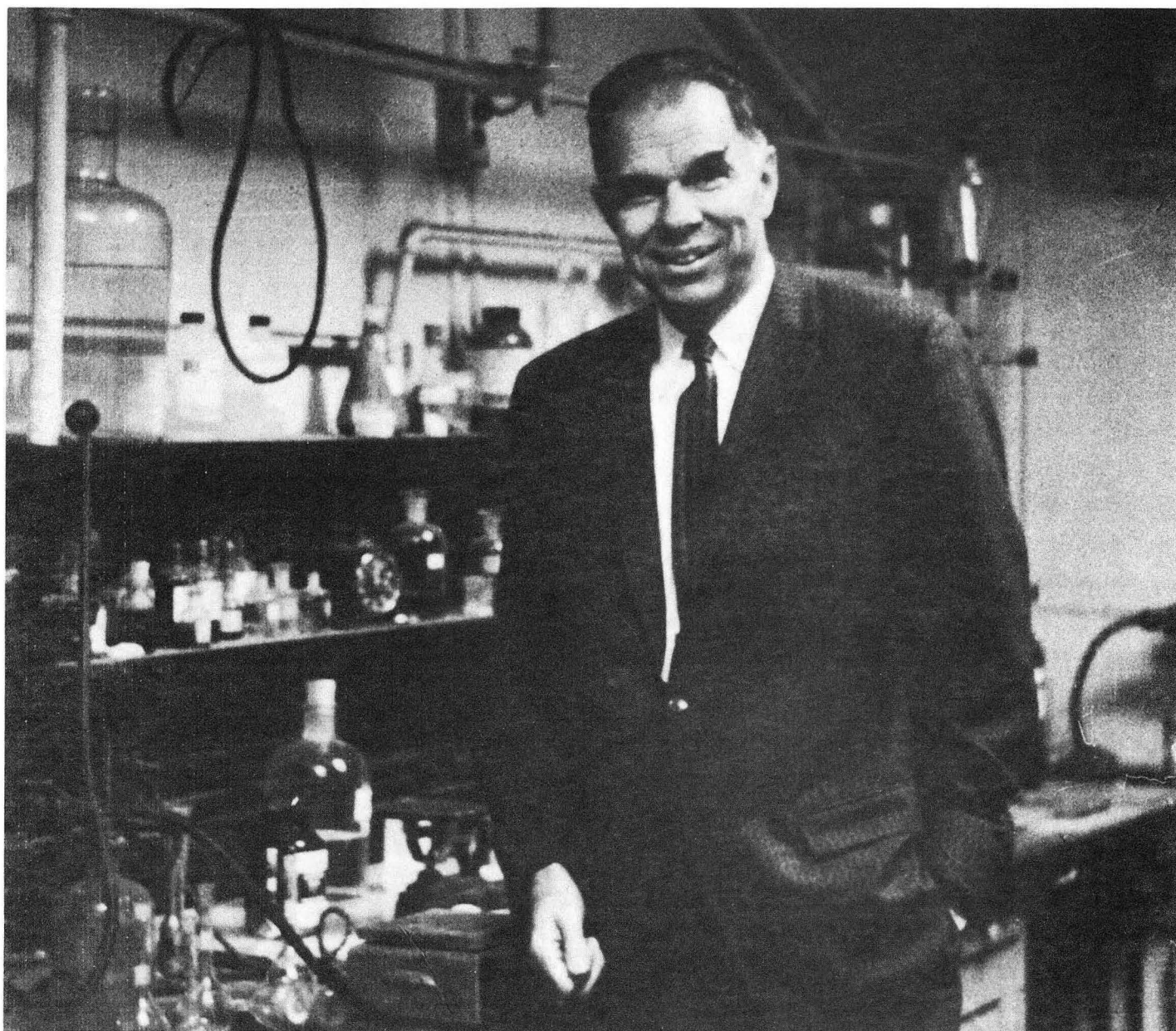
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JOURNAL OF GLENN T. SEABORG

BERKELEY CHANCELLOR
1958- 1961

VOLUME III
July 1, 1960- January 31, 1961
and Name and Pictures Indexes.



Glenn Seaborg in Room 307, Gilman Hall, where plutonium was discovered.
October 21, 1960

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.

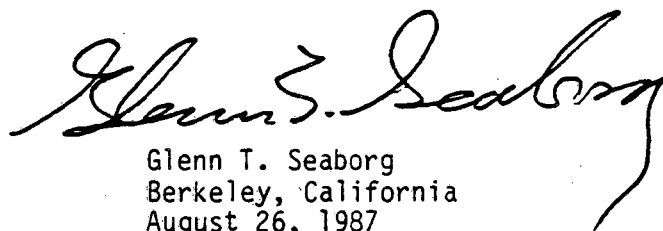
These Journal volumes are based on my notebook entries; my memos covering my phone calls, appointments, and other meetings; minutes of meetings; memos prepared by others (i.e., by the vice chancellors, the Dean of the College of Letters and Science, staff in the Chancellor's Office) to summarize meetings 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

<u>Semester</u>	<u>Vice Chancellor- Student Affairs</u>	<u>Vice Chancellor- Academic Affairs</u>	<u>Vice Chancellor- Research</u>	<u>Faculty Assistant</u>
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
Secretary/Administrative Assistant
Secretary

Dan Wilkes
Anna Carol Dudley (until 4/60)
Donna Dinsdale (short time)
Marie Ripsom
Akiko Owen (from 9/60)
Lynne de Barrows

Receptionist

Administrative Assistant
Senior Typist-Clerk

Kitty Malloy
Rose Feydna
Diana Parker

Vice Chancellor-Academic Affairs
Secretary

Jim Hart (until 6/60)
Meredith Nelson
Ed Strong (from 7/60)
Meredith Nelson
Pauline Kroditsch

Secretary
Administrative Assistant

Vice Chancellor- Research

Ed Strong (until 1/60)
William Fretter (2/60- 6/60)
Adrian Kragen (from 7/60)
Carol Westmoreland

Secretary

Vice Chancellor-Student Affairs
Secretary

Alex Sherriffs
Beverly Engelbrecht
Natalie Dickens

Faculty Assistant

William Fretter (until 1/60)
Milt Chernin (until 6/60)
Pauline Kroditsch
Hunter Dupree (from 7/60)
Pauline Kroditsch
Starker Leopold (from 7/60)
Vivian Bevis

Secretary

Secretary

Secretary

Academic Personnel

Administrative Analyst

Maribel Montgomery (until 6/60)
Marilyn Jaeger (7/60- 11/60)
Peggy Thomas (Beck) (from 11/60)
Connie Wilson (until 12/58?)
Marilyn Jaeger (1/59-6/60)
Judy Millman (from 7/60)
Rose Fedyna (until 6/60)
J. A. Joseph (from 7/60?)

Administrative Analyst (50%)

Secretary (50%)
(100%)

Budget

Assistant to the Chancellor
Budget Analyst (50%)

Errol Mauchlan
Connie Wilson (until 12/58?)
Marilyn Jaeger (1/59- 6/60)
Judy Millman (from 7/60)
Rose Fedyna (until 6/60)
Maureen Sullivan (from 7/60?)

Secretary (50%)
(100%)

Office Manager

Administrative Analyst
Principal Clerk
Senior Clerk-Switchboard
Relief Secretary (50%)

Margaret McConnell (from 3/60)
Civilla Deming (from 7/58)
Sue Kellogg
Janice Starkey

Records

Principal Clerk
Senior Clerk

Senior Typist Clerk

File Clerk

Gretchen Klug
Anna Lum
S. Brochard
Ursula Kennedy
Nan Westphal
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

Senior Clerk

C. W. Brown (until 6/59)
Sandy Elberg (from 7/59)
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 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.

Friday, July 1, 1960- San Luis Obispo- Balboa

After having breakfast and re-packing the car, we continued driving south. We stopped for lunch at my mother's house in South Gate and then drove on to Newport Beach, where I took some movies of the kids as they explored the beach on our arrival. We spent the evening settling into our rented house on the beach, where we will spend this month.



The family at my mother's house at South Gate- July 1, 1960
L to R (front row): Lynne and David; (center): Stephen, Eric, Peter and Selma (holding Dianne); (back): Helen

Saturday, July 2, 1960- Balboa

We spent the day enjoying the ocean beach in front of our house, swimming, playing in the sand, etc. I took some more movies. We are located on a peninsula with Balboa Bay a few blocks behind our house; this is a pleasant additional place to swim in calm waters.

Sunday, July 3, 1960- Balboa

The whole family went with me to Claremont, where I attended a CHEM Study Steering Committee meeting. At our meeting, which began at 9 a.m. (before my arrival) at the Faculty House on the Harvey Mudd College campus, one of the hot issues was how we intend to publish our text: either by giving exclusive rights to one publishing house, or by publishing it ourselves and later making it part of the public domain.

I also met with the contributors and learned that the work seems to be progressing well. (Although, of course, there are lots of differences of opinions and I think that George Pimentel's task of supervising the editing of the text is a gargantuan chore.) I was able to meet with each of the contributors individually to hear his point of view and to learn how satisfying he finds this "blitzkrieg" textbook-writing technique.



CHEM Study Group- Claremont, CA- July 3, 1960
L to R: (front) George Pimentel, Clyde Parrish, Margaret Nicholson, Lawrence Lynch, Jr., Robert Parry, and David Ridgway; (middle) Saul Geffner, Bob Tellefsen, Theodore Geissman, Luke Steiner, and Keith McNab; (back) Edward K. Haenisch, Robert Campbell, J. A. Campbell, GTS, Joe Davis, Melvin Greenstadt, Robert Silber, and Lloyd Malm

Helen and the kids spent the day with Dottie (Mrs. Arthur) Campbell. They went off on a tour of the Harvey Mudd campus, but this didn't interest the kids much and there was a lot of soot in the air from a forest fire, so they soon returned to the Campbells' home to swim in their pool. Art and I joined the rest of them for dinner and then we Seaborgs drove back to Newport Beach.

Monday, July 4, 1960- Balboa

We spent the day on the beach, enjoying a traditional Fourth of July feast of hamburgers and trimmings and then watching fireworks on the beach.

Tuesday, July 5, 1960- Balboa

This morning, before leaving for the ball game, I jotted off a note to Bob Kerley in response to his letter to me. I decided it would be nicer to answer his rather personal letter with a handwritten note in which I made a point of saying that I will try to take him up on his invitation to have dinner with him on some trip to New York. Since I have been so enjoying this time with our kids, I also noted that I am sure that the arrival of his family will make a big difference to the quality of his life in New York,

"I can imagine how difficult it would be to live apart for so long a time."

Pete, Lynne, Dave, and Steve, Dale and David New, and Clayton, Gayle and Ronald Sheldon enjoyed the Giants-Dodgers baseball game at the Los Angeles Coliseum today. The Dodgers defeated the Giants, 8-0, with Johnny Podres pitching a four-hitter. The loss dropped the Giants to six games behind the National League leader, Pittsburgh.



L to R: David Seaborg, David New, Steve and Lynne Seaborg, GTS, Clayton, Gayle and Ronald Sheldon

Wednesday, July 6, 1960- Balboa

I received some mail from my Chancellor's Office today so I took a little bit of time off from swimming and playing on the beach to do some work.

Of particular interest was a memo which Adrian Kragen wrote to let me know that he has learned from Pete Newell about discussions with KTVU (Channel 2 television) regarding the 1960-61 contract. Newell has tried to present our feelings about Bud Foster, whom they have under contract as their sportscaster and who is critical of our athletics program in his TV broadcasts. Pete feels that we cannot afford not to honor the KTVU option since they could do us a lot of harm in this first year of operation apart from the ASUC. According to Kragen (who naturally writes about contracts from the point of view of a Law professor),

"Newell has materially altered the contract terms in the negotiations so far, but has been unable to obtain any agreement on Foster."

He suggests that I meet with Newell and Foster in the hope of encouraging Foster to improve his attitude, which I agreed to do after I return from vacation on July 27th and before Newell leaves for the Olympics on the 31st.

Thursday, July 7, 1960- Balboa

Once again I enjoyed a quiet day on the beach, swimming with the kids, etc. I interrupted my vacation twice: once to call my Chancellor's Office and check what has been going on there (I dictated a positive recommendation for Jose Ochoa Juliano for a position at Convair in San Diego, in response to their wired request); and, at greater length, to talk with Mac Bundy in Cambridge in some detail about his modifications to our PSAC Panel's draft report, as I had promised I would.

Friday, July 8, 1960- Balboa

Clayton and Rita Sheldon (grammar school and high school friends of mine) and their younger son Gayle visited us today and went swimming with our family at the beach in front of our house. I took movies with my Bell & Howell camera of all of the kids.

Clayton and I went off to play a round of golf at nearby Meadowlark Country Club in Huntington Beach. Clayton shot an 89 and I, an 85. In order to make up the required foursome, we were joined by Bert Anderson, who shot a 96, and a Dr. Warman, who shot a 45 for the nine holes he played.

Saturday, July 9, 1960- Balboa

More swimming in front of our beach house.

Sunday, July 10, 1960- Balboa

Guests at our beach house today included my sister Jeanette, her husband Ray Edwards, Clark and Vicky Johnson and their daughter Carol, son Brad and young twins Glenn and Glenna, Lloyd and Doris Johnson and their daughters Debbie and Cindy and son Stanley, Elmer and Lillian Johnson and Lillian's sister Elna's daughter, and Ethel and Clifford Clauss. We all enjoyed swimming in the ocean and visiting with each other, catching up on what has been going on. I took both movies and snapshots of this family reunion.

Clark, Elmer, Lloyd and I snuck off for a game of miniature golf at the Newport Beach amusement area. The kids were not too disappointed to be left behind; they are always "happy as clams" (a phrase that has always struck me as peculiar but seems apt here) at the beach. While we were out I dropped in the mail to my Chancellor's Office a package of correspondence with my comments on various memos.



Family Reunion at Balboa, July 10, 1960

(1) Steve Seaborg, (2) Brad Johnson, (3) Dave Seaborg, (4) Carol Johnson, (5) Eric Seaborg, (6) Lillian Johnson, (7) Selma Seaborg, (8) Dianne Seaborg, (9) Stanley Johnson, (10) Peter Seaborg, (11) Doris Johnson's niece Peggy, (12) Doris Johnson, (13) Cindy Johnson, (14) Vicky Johnson, (15) Glenn Johnson, (16) Lynne Seaborg, (17) Debbie Johnson, (18) Clifford Clauss, (19) Elmer Johnson, (20) Jeanette Edwards, (21) Ethel Clauss, (22) Lloyd Johnson, and (23) Larry Clauss

Monday, July 11, 1960- Balboa- Disneyland

We all went to spend the day at Disneyland. Debbie Johnson, who stayed the night with us last night, came with us. As always, Disneyland was a lot of fun. The kids went on as many of the rides as they could and Helen and I did our best to keep track of them. I took some movies of them climbing around Tom Sawyer's Island, etc.

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Tom Sawyer's Island, Disneyland, July 11, 1960
L to R: Dave and Eric Seaborg, Debbie Johnson, Peter, Steve, Helen, Dianne
and Lynne Seaborg

Tuesday, July 12, 1960- Balboa- Los Angeles

I drove to the Exposition Park area of Los Angeles and went to the Sports Arena to attend the Democratic National Convention as a guest of Ed Pauley. I accompanied him on the floor of the Convention, mingling and talking with delegates. Ed has a powerful and influential position with the California delegation and the national Democratic Party. His favorite presidential candidate is Stuart Symington of Missouri but he also likes Lyndon B. Johnson of Texas. John F. Kennedy of Massachusetts seems to have the inside track. However, Adlai Stevenson is here and very active, apparently he still hopes that he has a chance for the presidential nomination. I found this experience exciting and very stimulating. Ed Pauley has a trailer just outside the Sports Arena where he serves alcoholic and soft drink refreshments to his many friends and callers.

Wednesday, July 13, 1960- Balboa

Enjoyed swimming in the ocean again. I received, signed and dropped in the mail some letters from my Chancellor's Office. One set went to a number of prominent alumni inviting them to a meeting on our new intercollegiate athletic program; another set informed a number of faculty members about the study of the cost of higher education which the subcommittee of the Ways and

Means Committee of the California Assembly is conducting and the fact that I will include their names on a list of suggested faculty with whom they might speak, if asked to do so, and would appreciate their cooperating with the committee.

I also signed a memo to all deans and departmental chairmen asking them to cooperate with our efforts to share the benefit of visiting scholars and lecturers with other campuses of the University.

Thursday, July 14, 1960- Balboa- Knotts Berry Farm

Today we all went to Knotts Berry Farm, where, of course, I took movies. We picked up Mom and her cousin Hilma Howser (who is visiting her now) at our house in South Gate and took them with us on the excursion. Afterwards, we took them back to South Gate and returned to Newport Beach.



Knott's Berry Farm- July 14, 1960
L to R (front): Helen with Dianne and Eric; (center): Lynne, Dave, Pete and Selma Seaborg, and Hilma Houser; (back): Steve Seaborg

A package of correspondence from my Chancellor's Office had arrived, so after dinner I spent some time going over the papers. Adrian Krage sent several notes for my information and/or decision. One concerned the Admissions Office and the problem of responsibility for this office while we look for a new Admissions Officer. I suggested asking Jim Stone to stay on while we conduct the search. (Confidentially, I noted that Stone may indeed end up being our choice, but he shouldn't be told this at this juncture.)

Another Krage memo reports on a suggestion by Stan Cantor (ASUC) and Robert Broudy that the ASUC Store start a catalogue service for a variety of merchandise. I agreed that we should discuss this in a Cabinet meeting, expressing grave doubts that we should do this, which I am fairly certain the Regents would oppose (since some are already skeptical about the range of merchandise sold now).

A third memo from Kragen comments on a letter from Pete Newell regarding the problem that has arisen with regard to the health plan for ASUC employees who transferred to the University under the new intercollegiate athletics program. Kragen has been very supportive of Newell in trying to solve this problem through various unconventional means; I encouraged him to continue pursuing all possible solutions and expressed my sympathy.

I received a copy of the notification of the NSF grant to CHEM Study of \$350,000 along with a cover letter from Harry Kelly, spelling out some of the details and emphasizing the broad scope of our project.

Friday, July 15, 1960- Balboa- Los Angeles

I played nine holes of golf with Clayton Sheldon at the Meadowlark Country Club in Huntington Beach in the morning. Clayton shot a 40 and I, a 48.

This afternoon I drove with Pete, Dave and Lynne to the Sports Arena in Los Angeles where we met Ed Pauley. The kids were quite thrilled to be invited by Ed to visit with him on the floor of the Convention and have soft drinks in his trailer.



In Pauley's Trailer at the Democratic Convention in Los Angeles, July 15, 1960
L to R: GTS, Pete and Dave Seaborg, Ed Pauley and Lynne Seaborg

We then walked to the nearby Los Angeles Coliseum to attend and hear the acceptance speech of John F. Kennedy, who received the presidential nomination on the first ballot Wednesday night. He spoke, forcefully and eloquently, in the early evening as the sun was setting, a most exciting occasion. As we were walking outside the Coliseum after his speech, the limousine in which Kennedy was riding inched its way through the crowd and Pete was thrilled to touch his arm, protruding out the window, as the car passed us.

Saturday, July 16, 1960- Balboa

Jeanette, Ray and Mother spent the day with us at Newport Beach. We all enjoyed a picnic on the beach. I took movies of Mother with Dianne and Helen with Dianne.

I received some mail from my Chancellor's Office, including a copy of a letter from the Ford Foundation to Jean Macfarlane (Acting Director of the Institute of Human Development) saying that they are favorably disposed to renewing their grant to the Institute but would like to know the name of Harold Jones' successor as Director (who will, if all goes well at the Regents Meeting, be John Clausen, but that is still confidential information).

I also received copies of memos sent out under my name to department chairmen, deans, directors and other administrative officers on the following topics: "Policy on use of Computer Center Facilities" and "Financing Cost of State Salary Range Adjustments", both of which provide clarification of existing policy.

Sunday, July 17, 1960- Balboa

I played golf with Clayton Sheldon at the Santa Ana Country Club today. Clayton did better than I; our scores were 83 and 89.

Monday, July 18, 1960- Balboa

Lynne and I played golf with Clayton and Ronnie Sheldon at the Meadowlark Country Club today. Clayton shot 85; I shot 86 and Lynne and Ronnie, 151 and 106 respectively. Rita and Helen stayed at the beach with the rest of the kids, who went swimming.

A number of letters prepared for my signature arrived in the mail today. These included a letter to the Ford Foundation, drafted by Bill Fretter in response to the letter I read on Saturday, confidentially informing them of the recommendation of John Clausen for the directorship of the Institute of Human Development; to Emil Mrak, Chancellor of the Davis campus, asking him to arrange the transfer of the 60-Inch Cyclotron to Davis prior to June 30, 1962, when we will need the space for the new Physical Sciences Lecture Hall; to John Gardner (President of the Carnegie Corporation) informing him of our PSAC Panel draft report and of the fact that I am requesting that a confidential copy be released to him for his use in writing the section on education for Eisenhower's commission on national goals; and to John McCone, confirming our conversation about possible AEC support for the Lawrence Hall of Science.

I also signed letters to the principals of 17 Bay Area high schools inviting them to nominate senior students who might participate in our program for advanced study (wherein high school seniors take a few courses at the Berkeley campus and obtain advanced credit).

Tuesday, July 19, 1960- Balboa

This morning I mailed off all of the letters I signed for my Chancellor's Office last night. I also sent back to my office the memos I read on the weekend with my comments pencilled in.

The day was devoted to enjoying the beach and the time with my kids.

Wednesday, July 20, and Thursday, July 21, 1960- Balboa

More sun and swimming- an ideal vacation. Although it is hard for me to take time off from my work, which I very much enjoy, I realize that this is very important time for me and my family and feel lucky to have the opportunity.

Friday, July 22, 1960- Balboa

Leonard and Alice Katzin brought their four daughters to visit us at the beach.



Seaborg children with the Katzin girls, July 22, 1960

Leonard and I went off for a game of golf with Clayton Sheldon at the Meadowlark Country Club. Our scores were: Clayton, 80; Leonard, 89; and I, 91.

Saturday, July 23, 1960- Balboa- Claremont

I spent most of the day at the meeting of the CHEM Study Steering Committee in Claremont. Work seems to be progressing more or less on schedule, which is nothing short of miraculous given the timetable we set.

Among the mail I received from my Chancellor's Office today was a letter from Elmo Morgan regarding the problem with the ordering of furniture and equipment for the Student Union. Morgan takes rather a hard line on this; I quote in part:

"...As in most cases, there are two sides to a story, and while it is not the purpose of this memo to make a historical compilation of events that have happened, I do wish to urge the cooperation of all concerned in getting together and working out any questions that may still exist regarding the ordering of some of the equipment...

By copies of this memorandum to the Architects-Engineers personnel which are still under this office and also to your business office, I wish to add that I think the timing and some of the delays in this instance are inexcusable. My only purpose at this time, and I am sure it is compatible with yours, is to see that the job gets done rather than to attempt to fix the blame for what has happened. If, however, the facility fails to open on schedule, I will be interested in fixing the blame and I certainly have no intention of attempting to make excuses to the President or to the Board of Regents other than it was a poor job of coordination and that those responsible for it should be replaced."

Such a letter would not be my style (I tend to chew people out in person rather than on paper), but no doubt it will be effective, which is very important to us.

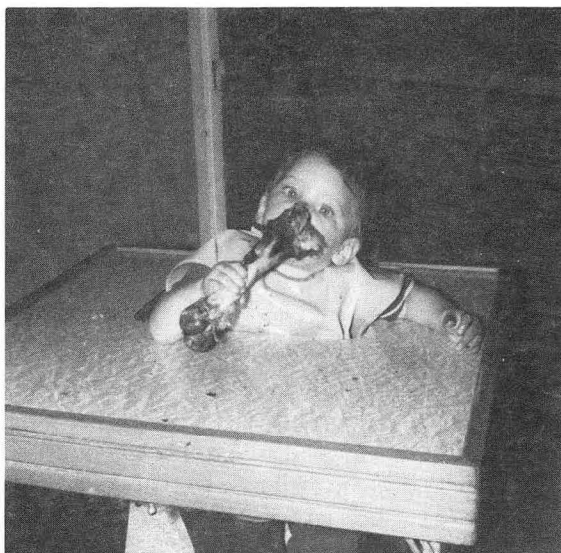
Sunday, July 24, 1960- Balboa

A number of Helen's cousins and their families visited us today to go swimming and to spent the day with us- Barbara and her husband Jack Henry and their children Dorothy, Louise and Joanne; Peggy Kaspar and her husband George and their children Mary and Karolyn; Fay Mann and her son Warren; Frances Heppe and her husband Clarence; Clyde Maricle and his wife Adelaide and brother Leonard; and Mary Klever, widow of Helen's cousin Floyd.



At the beach house at Balboa- July 24, 1960

L to R (front): Dorothy, Louise and Joanne Henry, Mary and Peggy Kaspar, Eric, Dianne, Helen, Steve and Dave Seaborg; (center): Karolyn Kaspar, Lynne Seaborg, Barbara Henry, Mary Klever, Fay Mann, Adelaide and Clyde Maricle, Clarence and Frances Heppe and Warren Mann; (back): Peter Seaborg, Jack Henry, George Kaspar and Leonard Maricle



All of the children love the beach.
This photo shows that the ocean air did no harm to Dianne's appetite.

Monday, July 25, 1960- Balboa

Today was our last day on the beach, so we tried to make the most of it. Helen spent a good part of the day packing and tidying up the house, into which the kids continued to track sand.

Tuesday, July 26, 1960- Balboa and Home

We drove all the way from Newport Beach to Lafayette today, stopping only for lunch and restroom calls. Both we and the kids were exhausted by the time we arrived home; it is very difficult to keep a station wagon full of children entertained for such a long drive.

Wednesday, July 27, 1960

I spent most of this morning in my Chancellor's Office catching up on what has been going on and reading the large stack of non-urgent mail which had collected during my vacation.

A letter from Victor Spitsyn was sent down to campus by the Radiation Laboratory. Spitsyn would like to visit the Laboratory as part of the exchange of scientists arranged by our national academies. He offers to present talks on the following subjects:

- "1) New data about the influence of radioactive radiation of solids and of external radiation on some heterogenous chemical processes.
- 2) Recent advances in the studies of radiochemistry in the USSR.
- 3) The contemporary state and perspectives of the development of chemistry in the USSR."

Iz Perlman has already asked Harold Fidler to start the process of obtaining AEC approval for Spitsyn's visit.

I responded to a memo from Clark Kerr advising me that the Mira Vista Country Club is not for sale and, therefore, that we should release the \$650,000 appropriated for purchase of that property, by suggesting that a portion of this money be released from the University Fund for acquisition of Chaparral Hill, so that the money from the unrestricted Searle Fund which had been appropriated for Chaparral Hill could be used for other purposes.

I also read a bundle of correspondence related to the decision to close the Alpha Chapter of Theta Upsilon, a very small sorority which has been having longstanding difficulties on our campus. This has become an emotional issue primarily because this is the founding (alpha) chapter. However, I want to take care not to become involved in this issue, which is really in the domain of the Dean of Students Office and to which, I gather, they have been giving careful and patient attention. Of interest is a copy of a letter from Don McLaughlin responding to a report of their difficulties. McLaughlin wrote,

"This is not a matter in which the Regents should become involved, but as a matter of general interest, I shall make some inquiries."

I am pleased to see McLaughlin draw the line; I wish he would stop there instead of making inquiries "as a matter of general interest."

A reading of the minutes of the Cabinet meeting held yesterday in my absence informed me of a number of matters discussed at the meeting of the CCCO, at which Bill Fretter represented me, including implementation of further decentralization plans. There is an amusing comment regarding the line of authority for campus police, which will now report to the Business Manager and not to the Supervisor of Grounds and Buildings:

"De-centralization of Police entitles Seaborg to a star, but not a gun; Cabinet expressed sympathy."

Two other items are of particular interest:

"Use of University cars when accompanied by non-University personnel (e.g. wives) is to be discontinued. Use of private cars plus reimbursement is to be substituted. A directive should be issued."

"Registration of Graduate Students: The recommendations of the Committee on Fees were approved, viz. (1) Ph.D. students advanced to candidacy will have the choice of paying the full incidental fee or 50% of the incidental fee without health services; (2) Ph.D. and M.A. candidates off-campus re thesis or research will have in absentia status, and pay \$10 per semester; (3) any graduate student granted leave of absence will pay no fee. The Graduate Dean will administer and will be strict re category (3)."

Items of special interest to the Berkeley campus considered at the Regents Meeting include news that the Brode Committee Report, now with the Department of Defense, recommends voluntary ROTC. The services are divided (Navy and Air Force- pro; Army- con) but approval is expected. If that approval comes through, it is expected that the Regents will take action in October or November.

The Committee on Grounds and Buildings approved the site for the Undergraduate Library, the report of the subcommittee on Buildings names, the 1961-62 Capital Improvement Program (with a note that the residence hall program might be accelerated), acquisition of 450 acres near La Jolla for a new campus, and acceptance of the gift of 1000 acres from the Irvine Company in Orange County, also for a new campus.

The Committee on Finance agreed to give the City of Richmond another 90 days in which to seek another purchaser for the Ford Plant, approved the budget for the Lawrence Hall of Science and approved the above-mentioned graduate fees.

In Executive Session the Regents approved the following Berkeley appointments: Lloyd Bernard for Educational Relations, John Clausen for the Director of the Institute for Human Development, Adrian Kragen as Vice Chancellor, Frank Newman as Dean of the School of Law, and Joseph D. Lohman as Dean of Criminology.

The Regents Committee on Research Projects wants a general briefing on the total research picture at their September meeting. They asked that we send copies of my PSAC Panel report and that I make a presentation, which according to the notes, should emphasize the integrality of research for graduate instruction, recommend regarding classified research, recommend regarding institutional vs. individual grants, and deal with educational policy and budgetary problems.

I was very pleased to learn that they also approved the proposal for Melvin Calvin's Laboratory of Chemical Biodynamics.

I received a copy of a letter Denzel Carr (Acting Chairman of the Department of Near Eastern Languages) wrote to Clark Kerr about Armenian studies. Carr's letters are always a delight to read because of his flamboyant and humorous use of language; it's hard to resist the temptation to quote the entire letter, which began:

"Just as I thought I had safely laid the Oriental Gadfly to rest I switched to this new department, apparently--I suspect--so I could renew my gadfly role and sting you from a new angle. At any rate enough new irritants are coming in to goad me into action, or at least into words."

Carr describes the history of our campus' negotiations with the Armenian Educational Foundation, Inc. for support of Armenian studies and makes some interesting comments on the politics of research choices at the University of California:

"We believed that a financially modest beginning to test out the receptivity of our academic public was preferable to the flamboyant funding of a chair, especially when it became deviously obvious to us that the Armenian community in the United States was ideologically split and doggedly determined to gain some of its ends by bidding for academic luster. A non olet [it doesn't smell] policy may be all right for Harvard, which has over the years accepted endowment and other funds from all sorts of sources. Whether ill-gotten or not, those funds could be used for the highest purposes without fear of political repercussions. That is of course not true of the University of California. Especially after the Oath Crisis politics is always barely subcutaneous here, if that. Our Armenian programs will have to be kept as free of internal

Armenian politics as possible. Alertness at UCLA and in Berkeley, at both the Statewide and the campus level, will be a prime desideratum."

Carr questions whether it is true that Kerr made the statement that the "proper place for the Armenian center is the UCLA campus, because of its proximity to California's largest Armenian community", pointing out that if proximity were the leading criterion, most of Berkeley's language departments would have to be dismantled and moved south, leaving us with only classical languages and Cantonese ("We have the dead and Chinatown on our side.").

Carr's letter goes on to urge Kerr to correct certain information being widely circulated in the Armenian community by The California Courier. This question of area studies being concentrated on one particular campus seems to be developing into a real controversy between the campuses, quite unrelated to the confusion created by the Ford Foundation.

I met with Alex Sherriffs and Dan Wilkes, separately, for general catch-up on what has been going on in student affairs and public relations, respectively.

Thursday, July 28, 1960

I spent most of the day today continuing the big task of catching up on all the correspondence that accumulated during my vacation. I was interested to read the report from Roy Jastram, Robert Thornton and Milton Chernin of the Committee on Selection of the Business and Financial Officer, Berkeley Campus, who also consulted with Earl Parker and Eugene Lee of their Committee, who were not present at the meeting yesterday at which the recommendations were finalized. They present me with six recommendations, grouped by twos, of different individuals who are qualified under different sets of expectations for the position. Group A is composed of Gilbert L. Lee, Jr. (Controller of the University of Michigan) and C. Russell de Burlo, Jr. (Vice President of Tufts University), between whom they express no preference. They note that the position should be offered to one of these two only if

"... the Chancellor plans to allow the man to function as his top non-academic Business and Financial Officer on a par with his academic Vice-Chancellors, privy to his innermost councils, a member of his Cabinet and an important participant in the policy making, planning and operations of the Berkeley campus. Anything less than this would probably result in each of these men refusing the position, since they have this status and operational position in their present posts."

Groups B and C contain individuals whom the Committee believe to be qualified for less responsible interpretations of the job description.

I wrote O. Meredith ("Met") Wilson, who has recently assumed his new duties as President of the University of Minnesota, in response to his letter of June 2nd concerning the possibility of a coordinated effort on the part of institutions of higher learning to protest the Affidavit of Disbelief for the NDEA. I noted that it has been called to my attention that Congress has recently

"adopted a bill which repeals the disclaimer affidavit of the Defense Education Act and substitutes for it criminal penalties for receiving benefits under the act while knowingly belonging to an organization which advocates the overthrow of the government by force or violence."

I put this statement in quotes to make it clear to Met that this is the information that I have received and that I have not personally investigated its accuracy. I said that I will bring his June letter to the attention of our faculty this Fall should the faculty consider it appropriate in light of this recent Congressional action.

Bob Karplus provided me with a copy of his letter to Harry Kelly of the NSF regarding the project for improvement in pre-college physics curricula on which he has been working. He mentions that Bob Stebbins will serve as Project Coordinator during his (Karplus') absence for sabbatical and that Chester O'Konski (Chemistry) will serve as principal investigator.

Bob also attached a note identifying for me the reason that Leo Brewer has had to withdraw from the project, the recent diagnosis that he has cancer, about which I had heard; he adds the extremely distressing prognosis that Leo will not live through the summer. This is a tremendous loss. [I am delighted to add, as I edit this journal in 1987, that Leo Brewer is still going strong--proving another example of why one should not always believe one's doctor and certainly should never give up hope.]

I read the report of the consulting firm of De Leuw, Cather & Company regarding the proposed Buchanan Street-Marin Avenue connection in the Gill Tract, which will now be considered by our Campus Planning Committee in order to formulate a response to the demand of Mayor Zahn of Albany.

I also read an extremely interesting report from the special study committee I appointed to report on several problems regarding the Department of Psychology.

Later in the afternoon I went up to the Radiation Laboratory, where I first met with staff member Pat Howe to discuss his future, and then with G. Lester Anderson.

At 3:30 p.m. I received a telephone call from Morris Stewart, who said that his choice for the replacement of Dean of the Graduate Division-Letters & Science is James F. King (Chairman of the Latin American Center of the History Department). He said he has already talked with Delmer Brown (Chairman of the History Department) and this is okay with him. I said it is also fine with me.

Friday, July 29, 1960- Berkeley- Bohemian Grove

I went to my Chancellor's Office this morning to put in a little bit of time at work before taking off for the weekend Summer Encampment at Bohemian Grove. I sat in on a meeting between Adrian Krage and Daniel M. Luevano (California Senate Ways & Means Committee staff) for a while. Luevano appeared to be very friendly and stated that he does not need to spend much time on the Berkeley campus because he is so well acquainted with the faculty here. (He served as an assistant to then-Chancellor Kerr.) He was interested in the question of whether faculty membership on administrative committees is necessary and the extent of the committee work burden.

Adrian and I illustrated the importance of faculty participation and explained our system of spreading the membership among the faculty. Luevano also discussed a proposal he said is germinating in the junior colleges for a sabbatical leave program and in the state colleges for leaves for

administrative personnel. We had a general noncommittal discussion on this. His whole attitude appeared friendly. He said that there will be a public hearing in San Francisco on September 12th and 13th. Kragen will be available if a representative from our office is needed. After our meeting Luevano was scheduled to meet with Lincoln Constance, Thomas S. Kuhn (History and Philosophy), Arthur F. Kip (Physics) and Alden Miller (Zoology).

I rode with Clark Kerr to the Bohemian Grove, where Kerr took me around to visit a number of the camps and introduce me to people. We attended the Grove Play, "Rip Van Winkle", which was, like last year's play, "Cortez", very entertaining.

Saturday, July 30, 1960- Bohemian Grove

I spent the day at the Bohemian Grove, enjoying the camp area, visiting with old friends and meeting new ones.

Sunday, July 31, 1960- Bohemian Grove and Home

In the late afternoon Clark Kerr and I drove back to Berkeley, where I had left my car on the campus.

At home in the evening I read some correspondence from my Chancellor's Office. I made a note to go ahead and extend the agreement (which is due to expire tomorrow despite the fact that the work is really just begun) with Herbert Childs for work on the Lawrence biography.

I read a long letter from George Link, new ASUC President, describing the work of several subcommittees of the ASUC Executive Committee in developing new programs for the ASUC. He wrote:

"I would like to point out that Executive Committee spent many hours creating the program in these three areas. With the exception of the minority report concerning the administrative-finance recommendations, the legislation which created these programs was passed unanimously by the committee after some additional amendments were made. On behalf of the Executive Committee, I assert that we believe the changes enacted by Executive Committee go a long way in remedying many of the inadequacies of the ASUC. We certainly do not feel our task is complete. We realize that a great deal of work is necessary to implement the basic program we have set up. We are already spending every possible minute to work out our program this summer. We consider the program a basic framework on which to build the finest student governmental program in the nation.

I realize that you have indicated the Student Affairs Committee would make its final recommendations to you by August 1. I feel it is imperative that you notify us of your final decision either officially or unofficially immediately. Until we know your definite decision in regard to compulsory vs. voluntary membership, University vs. ASUC control of revenue producing bodies, etc., we are unable to implement the revisions enacted by Executive Committee especially in regard to the administrative changes."

It seems that Link is taking both an enthusiastic and a responsible attitude toward his leadership of the ASUC. Let's hope that relations between them and the administration improve next year.

The Saturday Evening Post of yesterday's date ran an editorial titled "Those Mobs Are Part of the Kremlin's Master Plan" which included a reference to UCB, as follows:

"The 'battle of the streets' has had repercussions in our own country. In San Francisco a mob of young people invaded hearings by the House Un-American Activities Committee, howled and jeered so that no witness of member of the committee could be heard. Directions for these disorders were printed in The Californian, University of California student newspaper, and circulated among the rioters. Despite evidence that the leaders of the demonstration were Communist Party members, Mayor Christopher was so impressed by their youthful exuberance that he cravenly announced that this committee of the American Congress could not again use a city building for its deliberations!"

I am afraid the Post is displaying some prejudice.

Monday, August 1, 1960- Berkeley- Washington, D.C.

Following my usual routine, I went to the Rad Lab this morning. While there, I signed a couple of letters. I wrote to the U.S. Junior Chamber of Commerce, renominating John Rasmussen for one of the Ten Outstanding Young Men for this year.

In response to a letter from Lars Gunnar Sillen, in which he enquires whether I am familiar with the book "Himija aktinidnyh elementov,

"by the two capitalists, G T Siborg and Dz. Dz. Kats? In the foreword, comrade G N Jakovlev claims that the book is on a high scientific level and that he has, by footnotes, supplemented it with data from 1957-59."

I wrote to say that I would be interested to see a copy, noting,

"I am sure that I will have no trouble reading it, particularly the pictures, since I have read it before (except for the supplementary data)."

I didn't stay up on the Hill for the Chemistry staff luncheon today, as usual, because I have to leave this afternoon for the meeting in Washington regarding our PSAC Panel report. I went by my Dwinelle Hall Chancellor's Office, where I read through some correspondence.

A long letter from Bill Shepard and Forrest Tregear urges us to accelerate the building program for residence halls. Their justification of this is sufficiently vivid to merit quoting here:

"The master plan has four more units of four residence halls each planned for the future, with the next one (unit three) to be finished by 1965, and the others to follow later. The demand for residence halls space for the fall 1960 semester shows clearly that the present plan is unrealistic, for it does not keep pace with current, pressing needs.

By June 30, 1959, we had received approximately 3200 applications for the 2500 spaces we anticipated would be available by September. This summer, by June 30, 1960, we shall have processed approximately 5400 applications for the same 2500 spaces. Furthermore, we accepted applications last year until July 31, and we stopped sending out applications this year on April 11. Taking this fact into consideration, the demand for space is even greater than the first figures indicate.

In addition to the 5400 applications we have processed, we have more than 1000 requests for applications on a waiting list; and between 1000 and 1500 other prospects, making inquiries of us since April 11, 1960, have decided because of the hopelessness of the situation not to file applications.

This means that we have on hand 2200 more applications this year than we had at this time last year, with another 1000 students who have filled out waiting list cards. Even if we allow for a 25% cancellation during the period April 1 to September 12, 1960, we

would still be able to fill an additional 840 spaces, spaces which the present building plan will not make available until 1965.

The enrollment in the fall of 1959 was 20,000 students; the expected enrollment for Fall 1960 is 21,000 students; the projected enrollment for 1965 is 27,500. If we do not have more residence hall spaces until then, we will have failed to meet the needs of thousands of individuals to whom we have promised the right of higher education in California, and we will have an insurmountable public relations problem among parents and alumni and within the legislature."

They go on to discuss various methods of financing the accelerated construction program, concluding that

"The final and most desirable alternative is to request a review by the state of its current attitude toward not providing funds for our residence halls construction. In view of the demand and vital nature of this type of construction, the state government may be willing to support at least the dormitory part of the residence halls if not one-half of the entire project."

I signed a memo to members of the Student Affairs Committee, acknowledging receipt of their report concerning the extra-curricular activities program of the ASUC and the ASUC structure and function and noting that I concur with their recommendation that the ASUC be given an opportunity to improve their programs within the present structure of the ASUC. I noted that I am encouraged by the initiative shown by student leaders in this area and am hopeful that they will be able to solve their own problems independently.

At 1 p.m. I met a University driver in the parking lot and went with him to the San Francisco Airport, where I boarded United Airlines Flight 840, departing at 2:30 p.m. and arriving at the Baltimore Friendship Airport at 11:40 p.m. I went directly to the Washington-Carlton Hotel on 16th Street, checked in and went straight to bed.

Tuesday, August 2, 1960 - Washington, D.C. and Home

A telegram arrived this morning from Iz Perlman informing me that information regarding a possible delay in the negotiations regarding Victor Spitsyn's visit to the Rad Lab may be available from Harry Traynor or Mel Abrahams at the AEC.

I went to the PSAC offices in the Executive Office Building this morning to prepare for my presentation of our Panel report to the Federal Council for Science and Technology this afternoon. Bob Kreidler had prepared for me some excellent notes summarizing the history of the Panel and our recommendations. While there I called Abrahams to urge him to get approval for the Spitsyn visit; he said that certain difficulties have arisen in connection with someone at the Lab's plans to visit Spitsyn's lab in the USSR.

The Federal Council for Science and Technology meeting began at 1:30 p.m. Present were William Carey (Budget), Secretary Arthur S. Flemming (HEW), T. Keith Glennan (NASA), John Green (Commerce), George W. Irving

(Agriculture), J. B. Macauley (Defense), Donald McKernan (Interior), M. Allen Pond (HEW), James A. Shannon (NIH), Alan T. Waterman (NSF) and Robert E. Wilson (AEC).

George Kistiakowsky and I attended to present my PSAC Panel report to them and gain from them comments on it. Our presentation was the first item on the agenda. I described the general philosophy and specific conclusions and recommendations of the Panel report. I summarized the general philosophy of the Panel report by saying that we have tried to state clearly the fundamental character of the environment which is required for scientific progress and for the making of good scientists. We then considered the way in which these requirements should affect the policies of both the federal government and the universities, which are today the two forces in our society whose actions most affect the health and strength of basic research and the training of scientists. I summarized the specific conclusions of our report, using as an outline the sub-headings for our report, as below:

- "1. Excellence deserves strong support.
2. Additional centers for excellence are urgently needed.
3. Graduate education needs expansion.
4. It is important to attract more good people to science as a career.
5. Graduate education in science needs constant modernization.
6. The financing of graduate education needs continued and flexible reinforcement.
7. The need for improved facilities is urgent.
8. New fields of research and education need particular encouragement.
9. Separate research installations should be avoided whenever possible.
10. Universities should make full educational use of affiliated research facilities.
11. Postdoctoral studies should be encouraged and their legitimate costs recognized.
12. University faculties must be strengthened.
13. Universities must attend to these matters and especially to their relations with the government.
14. The government must strengthen its ability to make policy in this area.
15. Increased government activity is not a good ground for lessened efforts by others.

I emphasized the conclusion of the report by reading the following:

"The truth is as simple as it is important. Whether the quantity and quality of basic research and graduate education in the United States will be adequate or inadequate depends primarily upon the government of the United States. From this responsibility the Federal Government has no escape. Either it will find the policies--and the resources--which permit our universities to flourish and their duties to be effectively discharged--or no one will."

Kistiakowsky invited comments and said that PSAC would welcome the endorsement of the report by the Council prior to its presentation to the President and the Cabinet. Although there was limited time available for

discussion, several useful comments were made, some of which we may incorporate into our draft report. My general impression was that the report was well-received.

My flight (TWA #63) from Baltimore departed at 6:15 p.m. and arrived in San Francisco at a little before 9 p.m. I was picked up there by a University driver and taken to my home in Lafayette.

When I arrived home, Helen told me that all is well at home. On Monday Lynne had the first of several tennis lessons she is going to take this week.

Wednesday, August 3, 1960- Berkeley- Richland, Washington

I began my day by making the opening remarks at the International Symposium on Rarefied Gas Dynamics, where I welcomed the group, remarking that this field of research, although going back to Maxwell, got its start as a specialized branch of research a scant 14 years ago, when it became apparent that we were headed for new frontiers far from the earth and would need to know a great deal more about the aerodynamic properties of rarefied gas to be encountered in the outer areas of our atmosphere.

I then went on to discuss the new Space Sciences Laboratory, giving examples of the types of research which are being undertaken or are hoped to be undertaken in this connection: chemical analysis of dust from the Moon and Mars, study of the effects of a weightless environment on the growth of plants and animals, a search for clues to the origin of life and the ancient puzzle as to whether other intelligent beings can exist elsewhere in the universe. I concluded my speech by saying,

"If there is one special point I would make to you, it is to urge you, insofar as you are able, to do as much fundamental research as possible. In a field such as yours, at a time when the art is young and the fruits of application are so valuable, there are both temptation and pressure for application. As you are aware, I am sure, that the tortoise of fundamental research is more likely to win the race with the hare of premature application. There is no substitute for knowledge, and knowledge is the greatest gift you can give to the future explorers of space."

I posed for a picture with some of the scientists attending the symposium, which will be run in the Berkeley Gazette.

I then went directly to the Life Sciences Building, where I gave a lecture (illustrated by slides) on the transuranium elements to attendees at the High School Science Teachers Institute, which Bob Rice (Berkeley High School) is coordinating.

When I arrived at my Chancellor's Office, I received a telephone call from Bill Beaumont (Kaiser Industries) who wanted to know if I would be willing and able to tape a program for the Sunday KRON TV show "An Open Mind"; I said that I would do so if my schedule will permit it and asked him to find out if an afternoon (rather than their usual evening schedule) taping would be possible. (This arises from my role in PACE, the education group led by Kaiser.)

I read a very interesting memo from Jim Hart describing progress on the Soviet exchange agreements. He has not heard from Moscow, Kiev or Leningrad yet, but he did receive a letter from Greg Grossman who is in the Soviet Union and has been trying to bring the agreements to a favorable conclusion. Grossman also wrote that Dr. Muskhelishvili (President of the Georgian Academy of Sciences) will be in Berkeley this fall as a guest of the Mathematics Department and that we might "cultivate" him in hope of working out an exchange agreement with the University of Tbilisi in Georgia. Now that we have received our Ford grant to carry on the exchange program, Jim has prepared a letter for Kerr to send to Rector Petrovski nominating the five men we wish to send this year. This all sounds quite hopeful.

Patent No. 2,947,601, Complex Fluorides of Plutonium and an Alkali Method, was issued to me this date.

I signed a letter to the producer of the "G.E. College Bowl", a "Quiz Kids" type program for college students, declining to participate in the program on the basis that California State law prohibits the University's name from being used in connection with any commercial venture. Our concern is primarily that agreeing to participate in such a program would open us up to challenge on establishing a precedent. However, I have to confess that there is also some misgiving about the public relations results should a UCB team acquit itself poorly. Recent headlines about rigged quiz shows only serve to emphasize these reservations.

A copy of a telegram to Clark Kerr from Ernest Allen (Chief of the Division of Research Grants of the NIH) was delivered to me. It says that the Surgeon General of Health Research Facilities has approved a grant of \$199,500 toward construction and equipping health research facilities and asks that we coordinate local publicity with the national press listing issued for Thursday a.m. release. Dan Wilkes will handle this.

I took a West Coast Airlines flight (#476) from San Francisco to Richland, via Portland and Yakima. By the time I got a taxi to the Desert Inn in Richland, it was almost 3:30 a.m. Needless to say, I went straight to bed.

Thursday, August 4, 1960 - Richland, Washington

The fifth meeting of the U.S. Atomic Energy Commission Historical Advisory Committee began at 9 a.m. in the conference room of the Hanford Operations Office, whose manager James E. Travis made the welcoming remarks. Our purpose is to review the progress of the draft of Volume I (1939-1946) of the History of the U.S. Atomic Energy Commission. Present were members James P. Baxter, III, James L. Cate, Arthur H. Compton, Francis T. Miles, Don K. Price, Jr. and me, as well as Richard G. Hewlett and Oscar E. Anderson, Jr. of the AEC Historian's Office, co-authors of the book.

Hewlett opened the business of the meeting by summarizing recent progress in locating relevant papers and archives (including some unusually valuable records which were obtained from Byron S. Miller of Chicago, who

had a part in drafting the Atomic Energy Act of 1946) and in conducting important interviews.

We learned about the general types of information which have been deleted from the manuscript by the AEC Division of Classification. Except for a few scattered instances, most of the deletions occurred in the sections on the gaseous-diffusion project. Miles (who had a copy of the manuscript as written before the action by Classification) expressed the opinion that some of the deletions had not only made the story less precise but had also introduced some misleading statements. He also questioned whether the deletions are even necessary to maintain present classification standards on the subject. We agreed to include a statement with the final manuscript when it is delivered to the AEC to the effect that the manuscript could be improved if current classification policy in certain areas could be relaxed.

We discussed the manuscript, which we had each read, since it was delivered to us a few weeks ago. We talked about the treatment of personalities in the book. Baxter feels that it is satisfactory, but warned that brief characterizations or descriptions might give the general reader a false impression. Compton and I both said we think it's fair and accurate. Cate said he thinks that the judgement of the historians on such matters should be final.

We then talked about the amount of technical detail which should be included; I argued for more. Baxter remarked that previous accounts of the early atomic energy program have been criticized for overlooking the role of the chemist in the project. I responded that I think this manuscript is generally fair to us chemists, except that I think that the summer of 1944 crisis in the electromagnetic project needs better coverage and, of course, I am interested in reading the section on the chemistry of the plutonium process which is in a chapter now being prepared.

Don Price and I took a swim in the high school swimming pool after the meeting.

In the evening I gave a speech, "Early Recollections Concerning the Plutonium Project", at the high school. I talked about the development of chemical separation processes for plutonium and the early history of the wartime Hanford Engineer Works. Arthur H. Compton, wartime leader of the Plutonium Project and fellow member of the AEC's Historical Advisory Committee, also gave a reminiscing type talk.

Once again I spent the night at the Desert Inn in Richland.

Friday, August 5, 1960- Richland, Washington

The Historical Advisory Committee is going on a tour of the Hanford plant today, but I decided not to participate in part because I am so familiar with Hanford already but also because of the press of other commitments. I was lucky enough to catch a ride by private plane from Pasco to Seattle, where I picked up a commercial flight to San Francisco.

Unfortunately, I missed my first appointment in my Chancellor's Office, to have a photograph taken for Holiday Magazine at 1:30 p.m. Luckily, my staff was able to postpone the photo session until Monday.

At 2 p.m. Bill Fretter and I met with Roger Stanier and Esmond Snell to hear their comments on the University's relationship with the Naval Biological Laboratory. Stanier and Snell feel strongly that there is not sufficient motivation for the University to maintain its relationship with this laboratory, which specializes in biological warfare research, because the quality of the work coming out of the NBL is not up to our standards of scholarship. They do not feel that we will be able to recruit someone to act as Director of the Laboratory who is qualified for a full professorship at our campus, pointing out that there are more good jobs in the field of microbiology than there are good microbiologists. Stanier and Snell feel that our energies would be better devoted to trying to obtain funding from NSF or NIH to establish our own laboratory, unhindered by the secrecy of a military-related security system. They did take care to point out that Charles Smith (who does the only really significant research at the NBL, according to Stanier and Snell) and Sandy Elberg do not agree with their conclusions. I, personally, am concerned about the advisability of locating a germ warfare laboratory on our campus.

At 2:30 p.m. I met with John Gofman, one of my early pre-war graduate students. I agreed to join him in application to the AEC for compensation for our pre-Manhattan Project work on the discovery of U²³³. We have in mind a modest amount, something in the neighborhood of \$150,000 each.

I received a phone call from Ed Teller at 2:50 p.m. He told me that he doesn't think Nick Metropolis will come here to direct the Computer Center unless there can be a strong program of new uses of computers and development and building of new computers between the campus and the Berkeley and Livermore Radiation Laboratories. I told him that the review committee report has not come in yet and that I will have to explain this to Nick. Teller thinks the yearly budget for the Computer Center should be on the order of \$1 million, most of which should come from the Radiation Laboratory. He also mentioned that he is sure that Nick will want to create some positions in the Computer Center, for which he would be able to personally select the personnel.

At 3 p.m. I met with Metropolis. In describing the kind of Computer Center set-up which he thinks we should have (and that would interest him), he used the University of Illinois set-up as an example. He said that Abe Taub went there 11 years ago and built it up. They have about 12 joint appointments between the center and such departments as Physics, Electrical Engineering and Mathematics, running some .25-.50 FTE in the center. They have an Iliac 1 (701 class), which they built in 1952 or so, and an IBM 650 which they acquired in 1958. They are now building an ambitious computer in the Lark-Stretch class. Their budget is about \$.5 million a year from the State of Illinois and about perhaps another \$.5 million from the outside. The latter funds are especially available during construction phases. He told me that he got this information from Jim Snyder of Illinois, with whom he talked this morning at the Rad Lab. He feels that unless a center is operated in a manner similar to that of Illinois, it will always be somewhat unsatisfactory, especially if it is

only a service center which might be likened to shops on the campus. (Illinois has a separate building with about 18,000 square feet.)

I then described our method of operating the Computer Center, which I said I think is somewhat different but in effect fairly similar. I told him that he would have to take administrative responsibility for the operation. I said that the Illinois example might work in Berkeley but that we would want to get some faculty reaction. He agreed that it would be reasonable to start by going over faculty names to see who would like to have joint appointments. For example, we might start with one in Physics, one in Electrical Engineering, one in Mathematics and one in Astronomy, with perhaps additional collaborators from the Hill and Livermore. I emphasized that a set-up such as this would take time to build. I told him about our committee review system and that his appointment is still under review. I explained that when I write him concerning the results of the review and hence concerning the salary we could offer him, I will give him as realistic an appraisal as I am able to do about the prospects of a set-up of the type he wants.

Luis Alvarez called me at 3:20 p.m. to let me know that Metropolis told him that the Computing Center must have the right to hire some people, besides those on joint appointments, or he won't be interested in the job.

Elmo Morgan called me shortly after 4 p.m. to discuss 1) the Garage Report (he will send me a memo assigning operation of the garage to the Berkeley campus, with statewide acting as a customer, and proposing a six-month probationary period of this arrangement under the Berkeley Business Manager); 2) the transfer of Architects & Engineers to the Berkeley campus, which is now effected (until a Business Manager is appointed they will report directly to the Chancellor's Office, responsibility for which will be assigned to Adrian Kragen); and 3) the offer of the position of Business & Financial Officer to Gilbert Lee, Jr. which he thinks Kerr might approve at the level of \$22,500 (he urged me to bring Lee out for an interview and to make the successful candidate for this job a member of my Cabinet).

Before leaving my office for the weekend, I signed a number of letters to prominent alumni inviting them to a meeting on September 30th to discuss the current progress of our program of intercollegiate athletics.

I also signed a letter to Edward A. Steinhaus appointing him Chairman of the Department of Insect Pathology for the coming academic year.

I wrote Jim Corley to let him know that we are still pursuing the possibility of purchasing 68 acres east of the Blind School and that we believe that we will be able to advise him shortly whether we would like to acquire the property if the City is unable to purchase it.

I signed a letter to Kerr, drafted by Hunter Dupree, who is just assuming his duties as one of my new Faculty Assistants, supporting the parallel development of Armenian Studies on both the Berkeley and Los Angeles campuses. Arguments for trying this on a trial basis include the fact that we have recently hired Paul Essabal as Lecturer in Armenian and that we have also formally accepted the gift of \$20,000 from the Armenian Education Foundation, Inc.

When I arrived home this evening, Helen told me that things at home for the past few days have been just normally hectic, like they always are when the kids are on summer vacation. She has been chauffeuring the kids around- Lynne to tennis classes, Lynne, Pete and Dianne to the doctor's office, etc. Luckily, the social obligations of a Chancellor's wife are less during the summer than during the academic year. I don't know how Helen could manage much entertaining of campus dignitaries, etc. when she has the kids to keep entertained the long summer days.

Saturday, August 6, 1960

I spent the day around home today, playing with the kids and catching up on reading from my Chancellor's Office. Among the papers I brought home with me was the formal announcement from President Kerr of the decentralization of the activity of the Office of Architects & Engineers, effective August 1st. The announcement outlines the areas in which the Campus Planning Committee is to advise the Chief Campus Officer, as follows:

- "a. development and maintenance of a long-range plan for the physical development of the campus.
- b. selection of sites for each new building and other physical facilities on the campus.
- c. review of the work of the executive architects, particularly during the period of developing preliminary drawings, acting as client in the relations with executive architects.
- d. selection of panels of consulting and executive architects, engineers, and other professional appointees.
- e. prescription and control of the duties assigned to such other committees as the Chief Campus Officer may appoint from time to time to help in carrying out his assigned duties in regard to the building program.
- f. review and recommendation on the five-year and other long-range building programs.
- g. any other areas delegated to it by the Chief Campus Officer."

The memo also restates the new membership of the CPC: the Campus Architect, the Consulting Architect and the Landscape Architect as ex-officio members; three members appointed by the Chief Campus Officer; the Vice President-Business or representative "to facilitate coordination between the campus and the Statewide Administration", and "a member of The Regents may be asked to participate as an invited member" (Don McLaughlin, I presume).

A memo from Lincoln Constance accompanies a memo from William Bascom (Director of the Museum of Anthropology) which informs me that he has received an offer from Michigan State University

"...with the opportunity to be in Africa for research every third year, the freedom to name my own teaching load while on campus and a higher salary."

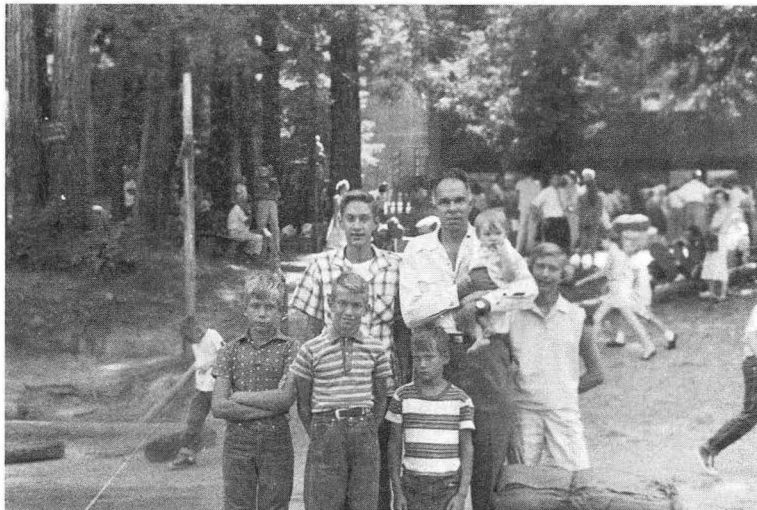
Constance provides additional information, including the amount of Bascom's salary offer and a description of the large African program being initiated at East Lansing,

"...which involves a contract to set up a full-scale university in Nigeria with which Michigan State will maintain close ties, a \$150,000 grant for African languages, and approximately one-third of a million-dollar Ford Foundation grant which will accrue to African studies. Moreover, he is promised very considerable flexibility in teaching load and in opportunities for travel in Africa."

Lincoln suggests that this year we raise Bascom's salary, allot a slot for a secretary for him from the L&S contingency funds, and that for next year we attempt to slot a museum technician, a museum preparator and a secretary position and, perhaps, augment General Assistance. Considering the precarious staffing of the Anthropology Department, I think we will have to make every effort to keep Bascom here.

Sunday, August 7, 1960

Today we drove Lynne to the Mt. Cross Summer Camp in the Santa Cruz Mountains near Mt. Hermon. The entire family went along to this Lutheran Church camp in the picturesque redwoods, where Lynne is going to stay until next Saturday. Lynne will share room 4 in the dormitory with her friend Karen Wagner. We visited with the parents of many of the kids, including Karen's parents, Fred and Myrtle Wagner, and her brother Freddie.



Dropping Lynne off at summer camp--Mt. Cross, August 7, 1960
L to R: (front) Steve, Dave, Eric; (back) Pete, GTS with Dianne, Lynne



Lynne with her best friend and cabin-mate at camp, Karen Wagner
Mt. Cross Luthern Summer Camp, August 7, 1960

Monday, August 8, 1960

I went directly to University Hall to the office of Harry Wellman, where I met with Charles Smith, Benson Snyder (MIT), Nevitt Sanford and Robert Strauss (University of Kentucky Medical School) to discuss a possible grant to us from the National Institutes of Health for the establishment of a Center for the Study of Alcoholism. This project is being run by the North American Association of Alcoholism Programs. The interim Executive Committee members are David Archibald (Executive Director) and John Seeley (Director of Research) for the Alcoholism Research Foundation in Europe and Snyder and Strauss. This committee will make a decision on how to run the Center (i.e. outside of a university, or within one, subject to university rules, etc.). They mentioned that Jack Phelp (Head of the Alcohol Rehabilitation Program of the State Department of Public Health) and Andy Knudsen (School of Public Health) are also interested in this area.

After the meeting I drove up to the Rad Lab, where I posed for a photograph in Building 70 for Cartier Bresson, who is on assignment for Holiday Magazine.

I then visited with my students and colleagues on the Hill, staying through the brown bag luncheon of the Chemistry Staff, as I try to do as often as I can on Mondays. I asked that a letter be drafted for me to nominate John Rasmussen for the Baekeland Award of the North Jersey Section of the American Chemical Society.

My first appointment in my Chancellor's Office was at 2 p.m. with William Bascom (Anthropology), whom we are trying to retain on our faculty here in the face of a very attractive offer from Michigan State University. He wanted to know 1) where the Museum of Anthropology's budget requests for 1961-62 stand; 2) what possibility there might be for reducing the four year program to three; and 3) if I would give him my assurance in writing about the granting of budget requests. I said that I would like to make certain that the requests from the Museum have the support of other faculty in the Department and that I would like to consult with Lincoln Constance before making any promises.

At 2:25 p.m. I received a phone call from Jess Mullin, who had been referred to me by Joe Mixer in statewide regarding his search for a job on the Berkeley campus. I suggested that he talk with Dan Wilkes when he comes to the Bay Area.

At 3 p.m. I met with Clifford Keene (Vice President and General Manager of Kaiser Foundation Medical Care Entities). He has talked to Hardin Jones about the possibility of a collaboration, in which our basic research scientists who need clinical facilities might work with Kaiser Foundation Hospital staff who are interested in entering the education field. We agreed that the mutual benefits of such an arrangement would be great. I said that I will appoint a five-man committee and he will also appoint five men representing the Kaiser Medical Care Entities to look into the feasibility of furthering medical education by collaborative agreements between us. We agreed that these committees will be appointed before September 1st and that we will inform each other of the membership of the committees. (I have in mind asking Hardin Jones to chair this committee.)

Immediately following my appointment with Keene, Bill Monahan came in. He showed me a letter he has received from Kent Pursel, Alameda County Supervisor, regarding a bond issue for a multi-purpose County stadium. Bill and I agreed that there would surely be an uproar of protest against any plan to tear down Memorial Stadium and that he will answer Pursel to this effect.

We also talked about the progress of plans for the Lawrence Hall of Science. He talked to me about the possibility of setting up a luncheon with Clark Kerr, me and other Berkeley Nobel Laureates in New York on November 11th, as part of a fundraising effort for the EOL Memorial.

I met with Alfred Tarski (Mathematics) at 3:45 p.m. He told me that he has received an invitation from Kurt Schroeder (Rector of Humboldt University in East Berlin) to give one of the five main addresses at an international mathematics symposium this November. He wanted my advice about accepting the all-expenses-paid invitation. I suggested that he wait until the International Congress of Logic and Philosophy, which is being held at Stanford at the end of this month, before making his decision, with the idea that some people attending that conference might

be able to advise him.

He said that he has learned from Patrick Suppes (Stanford), who is the Secretary for the Congress, that there has been quite a bit of trouble getting Russians to attend the Stanford meeting, since they have been told that their visas would prohibit them from visiting much of the San Francisco Bay Area. Tarski wanted to know if there is anything we could do about this. I said that I don't think we should do anything; if Suppes wishes to do so, he might exert pressure on the National Academy of Sciences and the State Department.

William McCormack (Dean of Students Office) and I met at 4 p.m. to talk about Bill Shepard's suggestion that I might hold open luncheons with students monthly during the school year. I remarked about how tight my schedule is (indeed most of my lunch periods are already committed this far in advance), but said that I will cooperate whenever possible.

I wrote to Queen Frederika of Greece, thanking her for sending me a copy of her address on the occasion of Werner Heisenberg's lecture at the Palace of Athens. I am intrigued by the intellectual qualities of the Greek Queen; she raises some very interesting questions about the relationship between science and philosophy in her lecture and was, of course, a very quick student when she visited the Radiation Laboratory a couple of years ago.

In response to a note from Adrian Kragen asking if we wish to continue the Political Issues speaking series of candidates in the current presidential campaign, I jotted a note saying that I would like to do so, but feel that we would have to be assured of getting both Kennedy and Nixon or both Lodge and Johnson, which might be difficult to do.

Tuesday, August 9, 1960

I met with Cliff Dochterman and Harry Wellman in Wellman's office at 10:30 a.m. to discuss the selection procedure for recipients of alumni scholarships. They told me that at a meeting of alumni leaders in Berkeley in June, a number of people expressed great dissatisfaction with our decision to place a limit of \$11,000 on the allowable income for parents of recipients in order to determine the need factor. They feel that the need factor should be eliminated in selecting alumni scholarship awards so that they can choose the most outstanding students without this consideration. Dochterman is going to come up with a statewide policy eliminating the need factor. I said I have no objections to this.

I presided over a Chancellor's Cabinet meeting at noon. Several of the Cabinet members are on vacation and so this was an exceptionally small group. Present were Chernin, Dupree, Fretter and Malloy. We spent most of the meeting going over the items on the agenda for the CCCO meeting on Thursday in Los Angeles.

I shared with the group some of Vernon DeMars' feelings about the need to go ahead with the original design plans for art and fixtures in the new Student Union and we talked about various sources of funding for these. Adrian Kragen will look into ASUC funds and Chernin will inform Kragen of the contingency fund for the building.

We also talked about the Ford Foundation funding problem. Dean McHenry (University Dean of Academic Planning in the Office of the Vice President) is handling the Ford Foundation area studies project and wants a meeting on August 23rd of representatives from UCLA and Berkeley, at which the subject will be the allocation of 1960-61 funds. It was agreed that in the absence of Paul Taylor and others concerned, that we (the Berkeley campus) should work for a delaying action. There will be no objection to certain allocations for small amounts to UCLA (since, apparently, some of their projects are in dire need). Dupree will represent us and George Mehren will also attend.

At 3:30 p.m. I met with Kenneth Smith, presently City Manager of El Cerrito and an applicant for our campus Business Manager job. We compared his present responsibilities with those of our campus job. He described himself as unobtrusive but persistent, saying that he manages to get things accomplished eventually, if not on the first try. He seemed generally pleasant and is obviously easy to work with. I explained the importance of getting along with faculty through persuasion rather than edicts; again he saw an analogy with his situation with eight City Council members.

At 4 p.m. I met with Harry Brakebill (San Francisco State), another candidate for the Business Manager job. I recognized him as a person I have met and become acquainted with on visits to San Francisco State. We discussed the duties here analogous with those at San Francisco State. As I did earlier with Smith, I spent some time trying to explain the relationship between the Chancellor and the Vice Presidents. He was also interested to learn what his relationship with faculty would be and to learn whether there is any chance that the title of the job might be changed to Vice Chancellor. I explained the former and indicated that I don't know the answer to the latter question. He seemed like a very pleasant fellow with lots of experience along relevant lines.

Among the mail I read in my office today was a letter from Dean McHenry (on behalf of Clark Kerr who is travelling in Latin America) to Vic Schmidt, telling him that we have continued to look for possibilities to employ him at the University without success. McHenry wrote,

"Because Dr. Kerr will not return until after Labor Day and a reply to your question is so imperative, I hope you will not think me presumptuous if I say that in my opinion it might be better for you to make your plans for the future without reference to the possibility of an opening in the University. Most of our spots are academic and the ones that are not are primarily junior positions."

I am glad that McHenry wrote this; it has been hard for me to make this clear to my friend Vic.

Harry Truman wrote to say that he hopes to visit the Berkeley campus some time this fall or winter, but cannot make any commitments at the present time.

Helen and I attended a dinner party in honor Arthur and Betty Compton at the home of Ed and Elsie McMillan.

Wednesday, August 10, 1960- Berkeley- Los Angeles

I attended the 9 a.m. meeting of the Associate Directors at the Radiation Laboratory this morning. At the meeting we briefly discussed the demonstrations at the Livermore Lab yesterday, which resulted in the arrest of four of the picketers. The demonstrators yesterday were commemorating the 15th anniversary of the bombing of Nagasaki; they had been at Livermore every day for the last four days, since the anniversary of the Hiroshima bombing. A San Francisco Chronicle article this morning quoted in part Harold Brown's response to notice from the organizers of the picket line that they were planning "a direct action protesting continuation of nuclear weapon research", as follows:

"Dr. Brown replied that this was perfectly acceptable to him, indeed, 'our work at the laboratory has helped to protect this right to conduct peaceful assembly.'"

While on the Hill, I dictated a couple of letters. One went to Joe Katz, enclosing a copy of the Russian translation of our book, Chemistry of the Actinide Elements since I already have a copy. I told him that the CHEM Study writing program at Claremont went very well and that we have a draft of the textbook now and mentioned that I hope to see him at the ACS meeting in New York next month.

I also wrote to Herbert Childs to authorize extension of our agreement regarding his authorship of the Lawrence biography.

At 2 p.m. Lincoln Constance and I got together for our weekly meeting. We talked about some of the continuing problems in the Department of Anthropology and about our efforts to prevent more faculty members from leaving the Department. I told him that the three positions which William Bascom has requested are in his 1961-62 budget and promised to write Bascom to let him know. Bill Fretter has concluded that there are simply no available funds for David Mandelbaum's proposed "center". I will try to work out some compromise acceptable to Mandelbaum when he returns from Europe.

We talked about the proposed integrated physical sciences course, which I strongly favor. I promised to check with the College of Chemistry regarding its end of the instruction.

Dr. Drummond called at about 3 p.m. to say that George Shirer has asked him to help me and that he will meet me at the Seattle Airport on Sunday night.

I then met with Bob Kerley, who is visiting here from his job in New York. He told me that he is still having some trouble settling into the new situation there but things are gradually getting a bit easier.

At 3:30 p.m. Sister Regina Cordis, who is visiting our campus from her high school in New Jersey, came to my office to interview me on tape. She is making a tape of famous scientists here at Berkeley (especially Nobel Laureates) for use in her chemistry and physics classes.

Before leaving for the day, I took care of some correspondence since I won't be back in my office until next Tuesday. I signed a letter to Berkeley City Manager John Phillips commenting on the fact that an agreement has been reached regarding the details of the proposed loading bay to be provided on the north side of Bancroft Way opposite College Avenue, as follows:

"With this matter now settled, I trust it will be possible to proceed with the University's earlier request for abandonment of all of College Avenue north of Bancroft Way. As I am sure you are aware, this street abandonment is necessary to permit site preparation and construction of the Environmental Design Building and is in accordance with specifications contained in the 1958 City- University Agreements on Streets."

I signed a memo to Harry Wellman submitting as nominees for representatives of the Berkeley campus to the 1960 Annual Convention of the Association of Land-Grant Colleges and State Universities the names of John Whinnery, E. Gorton Linsley and Dan Wilkes. I also noted that I will be in Washington on the dates of the convention and will probably have some free time, so would appreciate receiving credentials as a delegate.

I read a letter from Harry Wellman, asking me to serve as a member of the Committee on Affiliations with Secondary Schools; I made a note to accept.

I went home to pick up my bag and have dinner. A University driver picked me up at home at 7:20 p.m. and drove me to the San Francisco Airport, where I boarded United Flight #888, which arrived in Los Angeles at 10 p.m. I went directly to the Westwood Manor on Wilshire Boulevard, checked in and retired.

Thursday, August 11, 1960- Los Angeles- Claremont

I spent most of the day, from 10 a.m. until 5:30 p.m., attending the meeting of the Council of Chief Campus Officers in the Regents Conference Room of the Administration Building at UCLA. The members present were Davis Vice Chancellor Carter (representing Chancellor Emil Mrak), Willard Fleming (representing San Francisco Provost John Saunders), Santa Barbara Chancellor Samuel Gould, UCLA Chancellor Franklin Murphy, Robert Nisbet (representing Riverside Chancellor Herman Spieth), La Jolla Director Roger Revelle, UC Vice President Harry Wellman (who presided) and Clifford Dochterman (who served as secretary in the absence of Jack Oswald). President Kerr is away on a trip to South America. Attending as guests were UC Vice President Ray Kettler, UC Vice President Elmo Morgan, University Dean of Agriculture Daniel Aldrich, and, for the discussion of the first agenda item, William F. Caulkins.

My notes for the day-long meeting cover most of the agenda items:.

Decentralization of University Publications: Caulkins reviewed the Cresap, McCormick & Paget study on publication functions and noted that it is President Kerr's intention to implement this report, which recommends centralized coordinated control over all publications by a new Office of Publications and by the University Press and development of

statewide publications policies. It was the consensus with respect to the latter recommendation that immediate action should be taken towards the decentralization of the printing functions proceeding in four stages: 1) during the coming academic year, 1960-61, printing will continue to be done centrally, with decentralization to the campuses of editorial work, format and design as well as content of catalogues and other materials to be printed at the press; 2) during 1960-61 certain smaller jobs, such as Schedule of Classes, can be printed locally, if desired by the campus; 3) for 1961-62 funds for printing will be allocated by campuses with decisions by the campuses as to which jobs will be printed by the University Printing Department and which jobs will be printed locally; and 4) although certain statewide publications will continue to be handled by the statewide publications office, it is anticipated that by 1960-61 authority over all of its publications will be delegated to each campus. (I have the impression that Berkeley will continue to get its catalogues and so forth printed at the UC Print Shop during 1961-62 in order that the other campuses can experiment with other sources, while the Print Shop is assured of remaining in business.) I will refer this matter to Kragen and Mauchlan for implementation.

Funds for Faculty Housing: It is recognized that faculty housing is an important "fringe benefit" and that it is important for the University to take steps to provide some assistance, particularly to younger faculty members. It was the consensus that the Chief Campus Officer should explore this to try to find various solutions and then present suggestions to the Vice President-Business for exploration and report at a future meeting. A possibility is the use of endowment funds as a source of loans to faculty. This item should be explored by Kragen and Mauchlan.

Policy for Establishing a Percentage of Students in Campus Housing: It was decided to reaffirm the present policy that 25% of the students on the larger campuses and 50% of the students on the smaller campuses should be housed in University residence halls and that this be agreed for the entire University. Morgan reported that he plans to ask the Regents Finance Committee at their meeting tomorrow for authority to file applications for more federal loans for residence hall units.

Change in Title of Business Manager of Residence Halls: Because of confusion with the campus business managers, it was agreed that the CCO's approve the title "Residence Halls Administrator".

Residence Halls Association Fees: These fees, which are used for social events, intramural sports activities, breakage funds and other organizational activities, should be discussed with student leaders within the residence halls and local deans and their views brought to the September CCCO meeting for further action. If it should be decided that these are compulsory fees, they will have to be approved by the Regents. This is an item for Kragen and Sherriffs.

Air Conditioning in Campus Buildings: Morgan reported that John Carr, State Director of Finance, has suggested that in the 1961-62 Capital Outlay Budget, funds might be requested for some air conditioning in old buildings, as well as in new buildings.

Informal Seminar Rooms: The State Department of Finance has followed a policy deleting from Capital Outlay proposals areas designated as "informal seminar rooms, student centers, lounges and so forth". It was decided for the present to keep informal seminar rooms out of building plans, but we were told on a confidential basis that we might arrange classrooms with proper electrical outlets and next to a preparative room (with a sink and so forth) so that they can be used as or later converted to an informal seminar room.

Reporting Student Enrollments: We reviewed the proposed draft of the July 14, 1960 regulation pertaining to the reporting of student enrollments. I suggested that the Public Information and Budget Presentation parts of this July 14, 1960 memo be separated with the first to be issued immediately and the second to come out after further consultation; this suggestion was adopted and the CCO's are to each designate someone to work with the statewide office on this.

Departmental Quotas and Enrollment Limitations: Some of the CCO's pointed out that burgeoning student populations might lead to the necessity for enrollment quotas in some departments. English was mentioned as an example and Wellman suggested that the problem here might be handled by adding more teaching assistants. I pointed out that at Berkeley we will be forced to limit enrollment within a few years and, therefore, why should we worry so much about doing it now.

Official Delegates to International Conferences: It was pointed out that the official policy is that the President appoints the official representative of the University if the event is out of state and the local campus sends a representative if the event is held within the state. Revelle and I noted that there have been some occasions where this policy has led to embarrassing situations and we cited the example of such a result that occurred at the time of the Tercentennial of the Royal Society of London. It was decided that delegates designated by the Chancellor will come from individual campuses, perhaps using some statewide insignia on letters of greeting.

Assigning FTE-Student Capacity to Research Projects: Wellman noted a dilemma- the State Department of Finance is more apt to approve a research facility when it includes an FTE student capacity but the assignment of an FTE student capacity to research facilities materially exaggerates the number of students who could be accommodated on a campus. To remedy this Morgan will probably issue instructions to account for research space as justified by research and not try to justify on the basis of the number of students (which often doesn't apply).

Decentralization- Architects and Engineers: Morgan suggested that the CCO's should work out the details of their Architects & Engineers Office with their local Architects & Engineers Office. The only authorized signatures for change orders and field orders will be the CCO, Vice CCO or Assistant CCO for Finance. This is an item for Kragen to handle.

Decentralization of Statewide Institutes: Wellman pointed out that statewide is going as far as possible in decentralizing statewide institutes. He said that institutes primarily engaged in basic research should be administered on an individual campus and those primarily

engaged in applied research should retain statewide character but be responsible to the local chancellor. In both cases the local units report through local deans to the local chancellor with a local budget committee involvement. This is an item for Strong and Mauchlan.

Incidental Fees: Kettler handed out a summary on incidental fees covering income and expenditures. I mentioned the desirability of removing laboratory fees from incidental fees and Kettler implied that statewide will move in this direction. The question of the cost of the Student Health Service supported by the incidental fee was discussed and the possibility of separating the Health Service from the incidental fee was considered and the general problem will be further investigated. General indignation was expressed that students on some campuses are helping to pay expenses of students on other campuses. Murphy noted that UCLA students are supporting the Strawberry Canyon swimming pool, which could create a public relations problem if it became known. Nisbet suggested having the incidental fee and the student body (athletics) fee amalgamated. This led to the general consensus that there should be separate budgets leading to different incidental fees on each campus, although a change from the present uniform incidental fee is not likely before 1962-63.

Postdoctoral Trainees (Fellows or Scholars): There was a discussion of the proposal made on August 8, 1960 for a census of postdoctoral fellows on each campus and the consensus that this should be done, beginning with the Fall Semester of 1960. This is an item for Strong and Mauchlan.

All-University Weekend: I described the general background of the All-University Weekend, which takes place during the fall during the football season and I mentioned some of the problems which have developed over the years. Gould suggested that the concept should change to something like an All-University art festival. Murphy indicated that he thinks the concept of an All-University weekend is divisive, not unifying, in its result. Murphy would rather give, for example, UCLA students the project of organizing an All-University Weekend of science meetings, while Berkeley students might then organize a scholarly meeting in another area. This general topic may be discussed at the All-University Faculty Conference to be held in April. The consensus was to abandon the All-University Weekend including the University Meeting. I am going to suggest to our Alumni Association that they take the initiative and carry the ball on this to arrange for a joint dinner meeting of alumni boards in Berkeley on Friday, November 4th, to discuss these possibilities. I will suggest that Dochterman call Dick Erickson to arrange this. Each CCO should contact the local student government leaders to explore some type of academic event, forum, symposium or other activity to which students from other campuses could be invited to participate. Each campus should try to hold some type of event during this 1960-61 academic year which would stress the academic interests of the statewide University. This is an item for Sherriffs to handle.

Retention and Withdrawal of Students: A report of June 8, 1959 concerning this subject was reviewed and it was decided that more information should be developed to find out why students withdraw. An example of a student who withdrew who is now influential is Fred Dutton who is now working with Governor Pat Brown in Sacramento and is about to

join John F. Kennedy's team. The word is that he is down on UC Berkeley as a result of his experience there. This an item for Sherriffs to handle.

Scholarships for Recruiting Able Students: I noted that in many instances the prestige of being given recognition through scholarships and so forth is the key factor in the recruitment of the most able students. It was suggested that an investigation has to be made concerning the possible availability of endowment funds to provide special Regents scholarships. After this investigation the matter will be discussed further at a later meeting of the Council. This is a matter for Strong and Mauchlan to handle.

Admission Policy on Acceptance of Students: It was pointed out that many students are lost to the University of California because of tardy admission procedures and lack of personal attention in the admissions process. As a result of decentralization of admissions it should be possible to admit students unconditionally during their last semester in high school. The poor performance of the Berkeley Admissions Office was emphasized on the basis of experience of offspring of CCCO members and sons of friends of CCCO members. It was emphasized that students should be admitted with a "flourish" and by a procedure that personalizes the admission. This should be handled by Kragen.

The CCO's Role in Recruitment of Faculty: It was pointed out that each CCO can proceed directly to recruit faculty authorized within the workload budget of his campus, but Board of Regents' approval is necessary when tenure is involved. Murphy raised the question of policy regarding the difference of opinion on faculty appointments between a budget committee and a chancellor and as a result, the importance of a budget committee in advising on faculty appointments and promotions was fully discussed.

Sabbatical Leave Replacement Funds: The interim policy adopted in January 1959 on sabbatical leave replacement funds for research personnel was discussed and there was general agreement that this policy is satisfactory. I urged that consideration be given to salary supplementation from research contracts or grants for faculty on sabbatical leave at 2/3 salary and Wellman said that this policy is constantly being studied and will shortly be brought before the CCO's. Mauchlan will handle this.

Administrative Stipends: This subject was discussed briefly with the conclusion that more study is needed on the matter of administrative stipends and salaries, fees for directors and so forth. It will be discussed at a later meeting of the CCCO.

I attended a dinner with the CCCO, University officers and others at the Los Angeles Country Club. Chancellor Murphy announced, during the conversation at cocktail hour, that he is determined, as UCLA's new Chancellor, that UCLA shall not take a backseat to Berkeley in any area. Although this could have been taken as a challenge to me, I decided to remain silent rather than start an argument with my UCLA counterpart at my first encounter with him. However, I certainly resolved to remain alert. After the dinner I went to Harvey Mudd College in Claremont and spent the night there in a dormitory.

Friday, August 12, 1960- Claremont- Los Angeles and Home

During the morning I attended a meeting of the CHEM Study Steering Committee at Harvey Mudd College.

After a quick lunch with the group I returned to UCLA to attend a meeting of the Regents' Committee on Finance, which was held in the Administration Building beginning at 2 p.m. Regents Steinhart, Carter, Hagar, Hansen, Mosher and Naffziger were present, together with a number of chancellors and other University officials. The full Board of Regents does not meet in August and any necessary business is handled by the Committee on Finance.

There was a discussion of difficulties that students have encountered in obtaining loans under the federal loan program of NDEA because of the advance by a month of the deadline date for receipt of loan applications. Regent Hansen said that a student on the Berkeley campus has complained to him that this advance in date has cut him out of an NDEA loan this year, after having had a loan previously. I was asked to investigate this report after Regent Hansen has sent met the student's name.

Vice President Harry Wellman advised that in connection with research and training in non-Western foreign areas and other studies which is being supported by a grant from the Ford Foundation it is necessary that space on the Berkeley campus be provided for use by the Center for Chinese Studies. Authorization was given for us to rent space in the Woolsey Building (2160 Shattuck Avenue) in Berkeley for this purpose.

I flew home on United Flight #273, which left Los Angeles at 5:45 p.m. and arrived in San Francisco just before 7 p.m. A University driver met me at the airport and drove me home to Lafayette. The driver gave me some papers from my Chancellor's Office to read over the weekend.

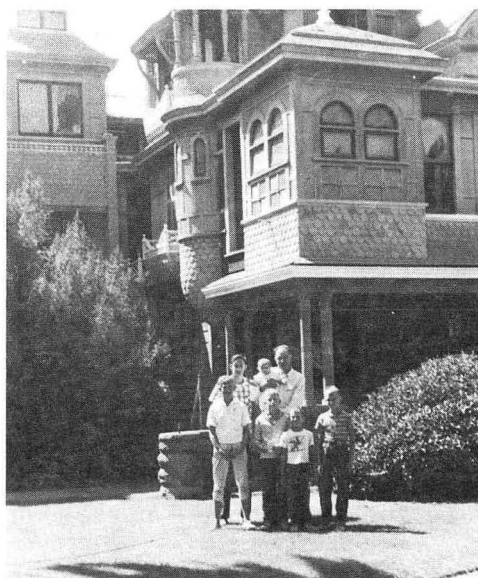
Saturday, August 13, 1960

We drove, with the entire family, to Mt. Cross Summer Camp in the Santa Cruz Mountains to pick up Lynne following her stay since last Sunday at this Lutheran Church camp.

On the way home we stopped at Santa's Village in Felton, a miniature amusement park that the kids had spotted on the way to the camp last Sunday. The kids took rides on whirligigs, petted the animals, and generally had a good time. As we continued home, we stopped to visit the famous Winchester Mystery House in San Jose. This house was built by the eccentric Sarah Winchester, heir to the Winchester rifle fortune. The kids thoroughly enjoyed exploring this curious old mansion, with its many, many rooms and tortuous and false passageways, most of which lead nowhere.



At Santa's Village- August 13, 1960
Despite the miserable expressions on their faces the kids did enjoy our visit to the amusement park. On the whirligig, front car: Steve, Eric and Dave; back car Pete with Dianne. Checking out the animals, Pete, Steve and Dave with Eric's head barely visible behind Dave.



In front of the Winchester Mystery House in San Jose

Among the papers which the driver brought with him to meet me at the airport last night was a copy of yesterday's Daily Cal, which carried an editorial about the National Student Association Conference at which efforts are expected to be made to censure Clark Kerr and the "Kerr Directives":

" ...Protesting the Directives is one thing. If NSA desires to voice its opposition, it should have no qualms about doing so. But we believe that censuring President Kerr shows both immaturity and stupidity and consequently loses the effect of all protest.

Furthermore, we are afraid that most of the delegates to the national congress lack adequate background information on the Directives and will be protesting merely to protest. We believe this kind of protest is pointless.

The element in the Kerr Directives which has proved so distasteful to many student leaders is the prohibition from taking stands on off campus issues.

However, these same student leaders have agreed that student government should concentrate on the problems at home before becoming involved with those of South Africa, Cuba, etc.

It would seem, therefore, that our elected representatives may find themselves in somewhat of a quandary at the conference. They have already protested the Directives once; failure to do so again would seem to indicate indecision and perhaps a hint of fear of the administration.

The question appears to be one of how to assert that student government should be allowed to take stands on off campus issues but at the same time that student government should not spend all its time taking such stands.

We suggest, therefore, that the Berkeley delegation make up its collective mind to see to it that (1) any protest of the Kerr Directives or any part of them comes from a well-informed congress; and (2) any protest from the Berkeley delegation is aimed at allowing, but not committing, student government to take stands on off campus issues.

Because of the national attention that will be given to this conference, we hope that the Berkeley delegation remembers that it represents nearly 20,000 students... not just Executive Committee."

Sunday, August 14, 1960- Seattle

Today is Steve's birthday so we held a party at our house this afternoon.

A University driver picked me up at home at 6 p.m. and drove me to the San Francisco Airport, where I caught United Flight #273, arriving in Seattle at 8 p.m. I spent the night at the Seattle Olympic Hotel.

Monday, August 15, 1960- Seattle and Home

At 8:20 a.m. this morning I joined a group of people taking Boeing transportation from the Olympic Hotel to the Boeing Scientific Research Laboratories, where a lecture series is being presented today in commemoration of the dedication of the new facility. About 200 people were present in the dining room where the event was held. The group was greeted by Guilford L. Hollingsworth (Director of the BSRL) who then introduced William M. Allen (President of Boeing Airplane Co.) who made the formal welcoming remarks.

The Technical Session in which I participated was titled "Frontiers of Basic Research" and opened with a talk by Walter O. Roberts (Director of the High Altitude Observatory in Boulder, Colorado, and of the University Corporation for Atmospheric Research). He spoke on "The Effects of the Sun on the Earth".

I followed with my lecture (with slides) on "The Transuranium Elements". Unfortunately, there was a problem with the slide projector and it broke several of my slides. However, otherwise the talk went well.

I was followed by John C. Fisher (a physicist at General Electric Research Laboratory in Schenectady, New York) who spoke on "New Horizons in the Physics of Solids".

After that I joined the group for a luncheon at the Rainier Golf and Country Club.

In the afternoon Joseph E. Gandy (president of the corporation) took me to the 75-acre Century 21 Exposition site just north of downtown Seattle and showed me conceptual slides and models. Joe then took me on a tour of the site, where construction is under way. He said that the progress of the construction is right on schedule; it should be able to open on time in the Spring of 1962.

I returned home on United Flight #278, which left Seattle at 6 p.m. and arrived in San Francisco at 8:40 p.m. A University driver met me at the airport and drove me home to Lafayette.

Tuesday, August 16; 1960

I spent the first part of the day in my Chancellor's Office catching up on some correspondence, etc. I received an autographed portrait of Lieutenant Governor Glenn M. Anderson with a note saying,

"Having read in the local press that you're a collector of fine art, I submit the enclosed picture for your approval. I hope it will be added to your very valuable collection."

I read a letter from Virginia C. Westfall (Department of State) asking for our cooperation in arranging space for two recruitment officers from UNESCO to interview prospective UNESCO employees. According to her, in the past UNESCO has selected Europeans for their openings because of the lack of an opportunity to interview Americans and they are now trying this recruitment procedure as an experiment. She also asked if I would

suggest faculty members with whom the representatives of UNESCO might meet in order to acquaint them with the work of this United Nations organization. I asked Starker Leopold to set up appointments with the following faculty: Melvin Calvin, Iz Perlman, John Rasmussen, Cecil Parker, Jim Stone, Geoffrey Chew, Burton Moyer, Emilio Segrè, Gerson Goldhaber, Alden Miller, Lincoln Constance, Mark Schorer, Travis Bogard, Ronald Walpole and Robert Calvert.

I signed letters to members of the Committee on the Institute for the Humanities, thanking them for their excellent report and expressing the hope that we will be able to bring their proposal into being.

I also sent a letter nominating John Rasmussen for the Baekeland Award of the New Jersey Section of the American Chemical Society for 1961.

At noon I called Albert Whitford (Lick Observatory) about the Wojcieck Krzeminski immigration problem. After some discussion as to whether Harry Wellman or I should sign it, in order to save precious time and because previous items have gone from the Chancellor's Office, I said I would sign, subject to Whitford's writing to Krzeminski stating that we're signing the visa form I-130 in order to facilitate his entry, but with understanding that the University of California doesn't have a legal obligation to give him permanent status.

I then presided over a meeting of my Chancellor's Cabinet. Present were Dupree, Fretter, Kragen, Leopold, Malloy and Wilkes. We began the meeting with a discussion of the statewide draft of reply to protests based on the film "Operation Abolition" (about the May HUAAC riots in San Francisco). It was agreed that this reply should be brief, give statistics, emphasize that the students were acting as citizens and that students from other schools were involved, and omit philosophizing. Since such a letter will probably end up in the press, we should take special care in writing it. Dan Wilkes will work with Dorothy Powell on this.

The majority of the time of our meeting was taken up by my report on the CCCO meeting last week.

We then went rapidly through a long list of issues pending for next semester. Bill Fretter raised the question of whether we might be able to add to the Chancellor's office staff because of the increased workload due to decentralization. We agreed that we would be on a firmer footing when we see what the workload is like after the new Business and Finance Officer is appointed. It was also pointed out that we should study the possibility of increasing the office staff of deans' offices so that our office is not in the position of taking care of operating details; we should concentrate on policy decisions.

At 1:30 p.m. I met with Fred Burrill (a banker with California Federal Savings who is coordinating the selection of a jury to select the recipients of the California Scientist of the Year and the California Industrialist of the Year awards given by the Museum of Science and Industry in Los Angeles). He asked me to chair the jury, which I agreed to do. I suggested that the awards banquet be set for a time when I plan to be in Los Angeles anyway (for a Regents Meeting or something).

Immediately following our meeting, I met the University driver, who took me to Sacramento, where I spoke in the Memorial Auditorium to the California Labor Federation meeting on "Education for Today's World". On the whole, my remarks followed the pattern established by other speeches on this topic: emphasized the need for a liberal education as well as for strengthening our math and science educational offerings; described some of the challenges of our increasingly high technology world; advocated making higher education available to each student with talent and motivation, regardless of personal wealth, race, etc.; outlined the dimensions of the problem created by the anticipated boom in college-age student population in the next decade; and promoted the Master Plan for Higher Education.

When I arrived home this evening, Steve and Eric told me about their swimming lesson this morning at Dr. Edward David's swimming pool on Happy Valley Road. Their teacher is Robert Newell (who is also a teacher at Stanley School), who was assisted by Stephen Vance (one of the sons of the Vance family who live near Happy Valley School). Their neighborhood friends, Mike Cummock and John and Bob Riksheim, shared the lesson with them.

Wednesday, August 17, 1960

In my Chancellor's Office this morning (since there was no Associate Directors meeting at the Lab today) I signed a number of letters, among them letters of invitation to Senator John F. Kennedy and Vice President Richard M. Nixon to speak at our campus during the beginning of the Fall Semester.

I also signed a letter of thanks to Glenn M. Anderson, cleverly drafted by Margaret McConnell as follows:

"Thank you for your contribution to my "fine art collection".

I see you follow the Naturalist School, and I join you in the battle slogan: ars est celare artem."

(The above translates as "It is true art to conceal art." but I left the translation to Anderson.)

I read with interest a news release issued by the Century 21 Exposition people describing my visit there earlier this week and noting my positive feeling that this will be the most extensive science exhibit ever assembled.

I called Ted Sherburne to let him know that I do not wish to sign the letter to Bob Hudson he drafted for me, asking that the Virus series Wendell Stanley has worked on with KQED be released in January or February in order to coincide with the release of the book on the same subject by Stanley and Red Valens. He said he understands my reasons for not wanting to interfere.

At 11 a.m. I presided over the first meeting of the newly reconstituted Campus Planning Committee. Present were members Thomas Church, Louis

DeMonte, Sanford Elberg and Elmo Morgan. (Member Bill Wurster was unable to attend) Also attending were Donald McLaughlin (who is no longer Chairman or even an official member, to my immense relief), Bill Fretter, Alan Ribera and A. R. Wagner (secretary).

I opened the meeting by introducing those present and pointing out that I have appointed two members in addition to those appointed by presidential directive: Sandy Elberg and the as-yet-unselected Business and Finance Officer for the Berkeley campus.

Elmo Morgan then spoke about procedural matters related to the decentralization of responsibilities now underway and partly effected. He made special reference to those items that are to be handled in the former way for the next few months--namely, the funding, disbursing and accounting functions still remaining as statewide rather than campus functions.

I reviewed the responsibilities contained in Kerr's directive to the Committee, emphasizing the new responsibility for reviewing and making recommendations upon the five year and other long range building programs.

Sandy Elberg recommended, and the Committee approved, the abolition of the Priorities Subcommittee and the Physical Development Planning Subcommittee and the change so that the Liaison Subcommittee reports to the Campus Planning Committee instead of the Building and Campus Development Committee.

A luncheon at the Faculty Club with Dan Wilkes, Lee McLean, Harvey White and Tom Cunningham served to update each other on fundraising efforts for the Lawrence Hall of Science.

At 2 p.m. I met with Frank J. Seiler, Frank Miller, Bill Fretter and Starker Leopold to discuss a possible change in the way that the Air Force awards research contracts to the Berkeley campus. UCB now has about 28 research contracts with the Air Force totalling well over half a million dollars. Seiler suggested that the Air Force might make one grant (in the neighborhood of \$700,000) to the campus and that allocation of the funds would then fall to the University. There would be a distinct advantage to this system in savings of time and money spent on trips to Washington, which would result in more research accomplished per dollar spent. Of course, there would also be complications in setting up the machinery here to allocate and administer the funds and no doubt some faculty would have their funding cut back and be distinctly unhappy with the campus administration. We decided that on the whole the advantages outweigh the disadvantages and that it is worth a trial.

I was interviewed at 3 p.m. by Mr. Berggren of the Army Intelligence regarding my evaluation of my grad school roommate Dorr Etzler for some sort of security clearance; needless to say, I gave a favorable report.

At 3:30 p.m. I met with Ray Ewell (Vice Chancellor of the University of Buffalo who is also the first Chairman of the National Council of University Research Administrators which was established in Chicago in January of this year). This organization works on policy relationships between universities and government sources of research support. UCB is almost the only major university not represented. He asked us to send a

representative to their next meeting on September 18th in Ann Arbor; I took him to meet Starker Leopold and it was agreed that Leopold and Frank Miller will attend. Ewell also mentioned that he would like a position back in the Bay Area, particularly at UCB. I told him that I will keep him in mind as we create positions as part of the Cresap decentralization.

At 4 p.m. I met with Kathie Zahn of Albany. She said she has been waiting with fingers crossed for our decision about the right-of-way in the Gill Tract. She said she would like either a 75-year or 99-year lease to the City of Albany since she doesn't think it would be fair to make the University donate the property to Albany. I told her that I will make my recommendation to Kerr on this matter soon, but that I have not yet decided what it will be. (I saw Kragen afterward and asked him to study the materials on this and make a recommendation to me.)

Thursday, August 18, 1960

I went directly to the Radiation Laboratory this morning, where I spoke with Harry Traynor (AEC) at 8:45 a.m. about the proposed visit of Victor Spitsyn to the Lab. I made the point that Spitsyn will be part of the Russian Academy of Sciences group and will come to Berkeley anyway. He said he will check this point with the National Academy of Sciences and let me know.

While I was up on the Hill I talked with John Conway, who serves as a member of the El Cerrito City Council, about the qualifications of Kenneth Smith for our campus Business and Finance Officer position. He said Smith is a very good man, who gets along well with everyone. In Conway's opinion the tact he needs in dealing with the City Council is at least as great as what would be needed to deal with faculty here. He filled me in a little bit on Smith's family, etc., concluding on the whole that he would recommend him.

When I arrived at my Chancellor's Office, Hunter Dupree told me about the abominable treatment he received at the meeting of the committee to consider the Ford Grant for area studies. Bill Fretter was sufficiently upset by this news to have already drafted a memo from me to Kerr regarding this problem. I decided not to send the memo, preferring to talk with Kerr personally about this.

I signed a memo to all deans and department chairmen, asking them to send me descriptions of activities within their colleges or departments intended to encourage good teaching which President Kerr could use in his report to the Regents at their September meeting.

Two pieces of correspondence regarding the development of computer facilities at the University arrived in today's mail. One came from five members of the School of Business Administration expressing agreement with my liberalization of policy in regard to use of computer facilities; I asked that a note be drafted from me expressing my appreciation of this kind of rare note.

Ted Vermeulen wrote at some length to discuss his feelings about the proposed appointment of Nick Metropolis as Director of the Computer Center:

"...I also favor a new and imaginative approach to the question of projecting our University into the large-scale use of computers. But I do not think Metropolis's appointment to the Director's job, by itself, would guarantee such an approach. What he will want to do, and be able to do, will mainly be an extrapolation of what he has done. Aren't we attempting to select a person to implement policies that we have not yet adopted?

Even though Metropolis has constructed a computer for Chicago and has saved them quite a sum of money, is this the proper path for us? The computer industry is three years further along now; can we match its performance in this field, with only one expert to our credit, plus the student 'slave labor' of which Teller speaks privately? I cannot see that our University can; nor that the Rad. Lab., with the best industrially built computers in the world, would have incentive to. Research on computer elements is something quite different. In view of our finite resources for a computing program, it seems to me that we risk substantial delay in large-scale use of computers if we decide to engage in computer building.

A decision to appoint Metropolis as Director would seem to commit us to an emphasis on building. On the evidence, this is the thing he does best; but, like the custodial administration of a Center, this job is professional rather than professorial..."

At noon I lunched at the Faculty Club with Reuben Gross (Carnegie Foundation for the Advancement of Teaching), Harry Wellman, Ray Kettler, Jim Corley, Dean McHenry, James Cline, Ed McMillan and Bob Brode. The meeting was to introduce us to the Foundation's study of the relationships of the federal government with institutions of higher education. Wellman is going to ask McHenry to set up ways of cooperating with the Foundation's study on a statewide basis; I said Dupree would handle it from the Berkeley campus' point of view (making it clear that he would serve as the administration's arm, not do the study).

At 2:30 p.m. I met with Jonathan Rice (Manager of KQED) and Jack Seigel (IBM).

Lincoln Constance and I held our regular weekly meeting at 3 p.m. We discussed in some detail the report of the Hoos Committee with regard to institutes and laboratories in which members of the Department of Psychology participate, the question of the proposed Institute of Human Learning, the question of the development of facilities for Clinical Psychology in the new building and the problems of departmental administration.

I mentioned the possibility of collaboration with the Kaiser medical facilities, now being investigated by the Hardin Jones committee, which might provide some outlet for expanded clinical teaching and research. Constance suggested that a departmental committee be established to begin internal planning for the use of the clinical space in the new building, since a plan would presumably be necessary before anything could be proposed seriously to Kaiser. I asked him to take up this matter with C. W. Brown and to also ask Brown to nominate someone to work with Jones on the Kaiser matter.

We also talked briefly about the problems which have arisen with the Computer Center, the Naval Biological Laboratory and the Marine Biological Laboratory.

Steve and Eric told me that they had another swimming lesson today, as they did yesterday.

Friday, August 19, 1960

Today's Daily Cal carried an article titled "Chancellor to Issue Appeal for More Student Housing" which described the extreme shortage of housing for students, faculty and staff and included a reminder that University policy prohibits the acceptance of listings that are restricted because of race, creed or national origin.

I sent a memo to General Counsel Tom Cunningham apprising him of the fact that I have received a letter from Rose Gaffney's attorney in connection with PG&E's attempt to acquire part of her property through condemnation proceedings in court. The letter suggests the possibility that the University may be brought into the legal proceedings, perhaps on the grounds that the PG&E plant was interfering with Mrs. Gaffney's expected sale to us (since we do not want the land as a result of the possible ecological effects upon seashore life).

At 10 a.m. this morning I met with Richard Waite, Jr. to discuss the New York State Educational Material Study.

At 3 p.m. I returned a call from Rose Galvinovich of the Oakland Tribune, who put on the line Mr. Michelson, who is now on the UC "beat". It appears that members of our Anthropology Department are going up to Trinity County to attempt to find a giant salamander and the Tribune wants to send along a reporter who is also a skin diver. Alden Miller was asked for permission for this, which he refused saying he didn't want lots of people trooping around. (Miller also turned down identical requests from other reporters, including Bill Boquist of the Examiner.) They were appealing to me as a "higher authority". I checked with Dan Wilkes and Alden Miller and then called back to say that I am supporting them in their desire not to have a press entourage. I suggested that Michelson and I get together sometime since he is now on our beat.

At 3:30 p.m. I met with Mr. Luc and Mr. Sciama of the French Consulate. Luc wanted to introduce Sciama, who is cultural attaché for the Western United States, with headquarters in San Francisco. He assists Edouard Morot-Sir, who is in New York. Eventually there will be cultural attachés in Chicago and New Orleans or Texas.

I met at 4 p.m. with Robert Shelton, a candidate for our Business and Finance Officer job. I explained that this is a large job and that we are looking for someone skilled in public speaking in order to represent the University to the community. He said that he makes a lot of speeches and considers this one of his strong points. He feels that he has been a successful administrator, able to make difficult decisions, and said that he is better on the broad administration than on the technical details of accounting where he would have to depend on his staff a lot. He realizes

that his lack of experience in University work would make it more difficult, but that he is interested by the challenge. I found him very personable, articulate and pleasant and got the impression that he is able to get along well with people. I emphasized the need to persuade the faculty and not to order them around. He acknowledged this and said that he has been able to handle difficult situations despite his youth.

This evening Helen and I went to the home of Hannah Olson (widow of Chemistry Department Professor Axel Olson) on Cedar Street for a cocktail party in honor of Thorfin and Phoebe Hogness. Thorfin was Director of the Chemistry Division at Met Lab and hence my boss in 1944-45. They are both good friends of ours from those days in Chicago. Thorfin was a member of the Berkeley faculty for a while in the early 1920's after his graduate work here and became quite a good friend of Axel Olson's. The Olsons' grown sons Bill and Pete were also visiting.

Saturday, August 20, 1960

Dan Wilkes, Stan Thompson and I played 18 holes of golf today at the Contra Costa Country Club; our scores, respectively, were 89, 85 and 94.

In my study I read a few papers which I brought home with me from my office this weekend. Included among these was a detailed report on classroom use in response to my question on the Registrar's report on Space Utilization as to whether it is true that there were fewer classrooms available in 1959 than in 1954. It is summarized as follows:

"As Mr. Gilliam's report shows, the reduction in classrooms by approximately 58, and the increase in enrollment from 15,500 to about 20,000 during this period has forced better utilization of our classroom space. This reduction also emphasizes the pressure for faculty, administrative and research offices and laboratories we have received during this period."

There was also a memo from Hunter Dupree detailing the history of the statewide committee for Ford Foundation area studies grants and providing me with more information on his treatment at the meeting on Wednesday, which, I think, was inexcusable.

A sheet of excerpts from the American Civil Liberties Union News of August 1960 is rather disturbing:

"Daily Cal May Lose Its Freedom

The Daily Californian, outspoken student paper at the University of California in Berkeley, which has often criticized the University administrators, is scheduled to lose some of its freedom. Some refer to the Administration's action as regulation, others as gagging or censorship.

Sherriffs Heads Drive

In any case, Vice Chancellor Alex C. Sherriffs, as head of the Student Affairs Committee, is spearheading the drive for more control. The paper is published by the Associated Students of the University of California, but ASUC has apparently given the staff a free hand. Sherriffs asked the ASUC to suggest some better

arrangement and the Daily Cal editor, Dan Silver, reportedly in order to forestall a more direct form of administration censorship, proposed the creation of a large advisory or "consultative board".

Kerr Directives

Last year, the University released the "Kerr directives", which, among other things, prohibited the ASUC from making pronouncements on off-campus issues. When the Executive Committee nevertheless adopted a resolution in support of Professor Leo Koch of the University of Illinois, who was fired for advocating pre-marital sexual relations among responsible adults, Chancellor Seaborg declared the resolution null and void.

ACLU Position

The ACLU not only opposes limitation of the freedom of speech of the ASUC, but the forbidding of recognized student organizations from affiliating with 'any partisan, political or religious group', etc. It also opposes the veto power granted the Chief Campus Officer over off-campus speakers who appear before recognized student groups, as well as a regulation which requires administration approval of literature distributed on campus.

The silent generation of students may no longer be silent, but the University of California and J. Edgar Hoover are doing their best to shut them up again."

Sunday, August 21, 1960

I spent a quiet day at home today. I took some movies of Dianne crawling around the living room and standing in her playpen, not unusual activities for a ten-month-old but astounding to parents always, even after five other children have succeeded at the same accomplishments and many others.

Monday, August 22, 1960

Helen and I went to the funeral services for John Francis Neylan, Ex-Regent and longtime friend of the University, in Portola Valley at 11 a.m. this morning. We talked with Gertrude Neylan and their daughter, Jane Neylan McBain, who came out from Washington, D.C. for the funeral. Saturday's S.F. Chronicle ran a front page story on Neylan, which gave a full account of his colorful career and the following sketch of his character:

"The bushy-browed Neylan, who raised his mighty voice in support of a multitude of causes- many of them unpopular- was by turn zealot and idealist; pinch-penny and prodigal; progressive and ultra-conservative.

It was Mr. Neylan's occasional boast that some people loved him and some hated him but no one within the range of his voice could remain indifferent to him."

When I arrived at my Chancellor's Office, I signed some correspondence that had been brought down from the Radiation Laboratory since I was unable to spend this morning there today, as I usually do on Mondays.

A letter to Manne Siegbahn in response to his July letter expressing the interest of the Nobel Institute of Physics in participating in an international cooperative effort in transuranium research informs him that the program to which he referred was mentioned only in a speech I made and no further proposal has been made. I described to him the program I have in mind: use of a large reactor to irradiate tens of kilograms of plutonium to produce hundreds of grams of Cm²⁴⁴ per year. This Cm²⁴⁴ would then be irradiated in a very high flux reactor to produce grams of berkelium and californium per year. I suggested that since this would be a very expensive undertaking and because of the international nature of the products, it would be a good proposal for the International Atomic Energy Agency. I also informed him that we are planning to build at Oak Ridge National Laboratory a very high flux reactor which will give us the capacity to irradiate about 100 grams of curium at an effective slow neutron flux of some 2×10^{15} neutrons/cm²/sec.

I also signed a proposal rating sheet for the National Science Foundation rating the proposal from Albert Caretto of Carnegie Tech to investigate high energy reactions at their cyclotron as "very good".

I received a letter from Iver G. Johnson of Ishpeming, who noted that he and I have met several times at the Mather Inn there. He is thinking about moving to California and wanted some information about the University for his daughter, who will be a senior in high school this year. I asked Margaret McConnell to handle it for me.

I also read a report from C. D. Shane (Chairman of the Advisory Committee to Laboratory of Radio Astronomy), which is generally favorable, giving a report of good progress in the state of construction, etc. However, under the heading "Personnel", he comments:

"Due to the lateness of the University of California's entry into the field of radio astronomy, the search for sufficiently qualified personnel for staff positions has not been successful. The search is continuing and the Committee urges the University to lend full support to the Laboratory in this important effort. Young radio astronomers are being trained in considerable numbers at the present time, but before any of them are sufficiently mature to receive staff appointments a considerable time must elapse. As long as there is a shortage of seasoned radio astronomers, the University will have to enter a highly competitive field in seeking to fill a staff position with a mature scientist."

Tuesday, August 23, 1960

I read with great interest and enthusiasm the proposal which was submitted to the National Science Foundation for \$3 million support for the Lawrence Hall of Science. This impressive document details our plans for the building, staff and programs of the Hall. It says:

"The unique character of the Hall of Science will be due to:

1. Its development of science laboratories, workshops, and classrooms designed especially for school teachers and interested young people.
2. Its creation of a scientific environment and atmosphere by a special exhibition program stressing basic scientific and engineering principles and current applications rather than historical collections.
3. Its development of teaching aids by and for teachers, and its dispensing of science information and materials through its Science Information Center.
4. Its experimental television facilities designed especially for the production of science programs; its use of television in demonstrating lectures; and its training of elementary and secondary school teachers.
5. Its location on the Berkeley Campus of the University of California in close association with the Lawrence Radiation Laboratory and other world famous scientific installations."

The "Background" section offers the following compelling need for such a facility:

"In the next twenty years the population of the United States will increase approximately thirty percent and will double in the next forty years. It is also certain that all branches of science as well as the arts will progress at an ever increasing rate. Every child growing up in this complex world must not only have a first hand knowledge of science, but an understanding and appreciation of the effect that new discoveries will have upon his life, his state and his nation. Unless he is far better educated in science than his parents, he will find it difficult to adjust himself mentally and morally to the world in which he lives."

Progress Report #6 from Harvey White adds the following:

"I have just returned from Paris, where, as one of the United States representatives to the first International Conference on Physics Education, I gave an address on 'The Advantages of Television in the Teaching of Physics'. These week long meetings, composed of over one hundred representatives from twenty different countries, dealt largely with the teaching of physics in our high schools and colleges. It is quite clear that the shortage of science teachers in the midst of a rapidly growing population, is a world-wide problem and that educators everywhere are looking for possible solutions. These observations make the Lawrence Hall of Science, and its proposed Science Training Center, loom ever brighter as a new and effective means for the improvement and advancement of science education in this country."

Harry Wellman sent the following fascinating analysis of the Personnel Roster of July 1, 1959 to me and to Chancellor Murphy of UCLA:

1. The proportions of all full professors on the Berkeley and Los Angeles campuses who were receiving above-scale salaries were, respectively, 28.1 and 31.7 per cent.
2. The proportions of full professors with ten or more years in rank on the Berkeley and Los Angeles campuses who were receiving above-scale salaries were, respectively, 70.6 and 74.5 per cent.
3. The proportions of all full professors in comparable schools and colleges on the two campuses who were receiving above-scale salaries were:

	<u>Berkeley</u>	<u>Los Angeles</u>
Letters & Science	30.7	32.5
Agriculture	29.4	22.4
Business Administration	7.4	22.4
Education	34.7	36.2
Engineering	14.4	33.7
Law	77.9	75.5

4. Schools or colleges on the two campuses in which every full professor with ten or more years in rank was receiving an above-scale salary were at Berkeley: Chemistry (4), Criminology (4), Law (3); at Los Angeles: Engineering (9), Law (3)."

It is becoming apparent that the designation "above-scale" is becoming an anachronism. UCLA seems to be trying to forge ahead of Berkeley in Business Administration.

I received a long telegram from Lon L. Fuller (Professor of Law at Harvard) asking me to join an organizing committee of "Scholars for Nixon". Although I consider Vice President Nixon a friend, I am a member of the Democratic Party and intend to vote for Kennedy in the presidential election in November. Rather than take that stance openly, I chose to ignore the telegram and not make any reply.

I presided over a meeting of my Cabinet at noon. We had a lot of business to deal with before the rush of the beginning of the new semester. A memo from Albert Pickerell informing us of the President's plan to start a newsletter next month was discussed. It requests a list of 50-100 community leaders who would be interested in receiving such a newsletter. Dan Wilkes will prepare the list and will also inform Pickerell of my plans for a quarterly "From the Chancellor's Desk" (the first issue of which is now being typed).

We also learned that Norman Mundell has received a supply of a leaflet "The Real Facts About Fallout", which the Governor's Office has authorized to be distributed to each state employee with the August warrants. It is impractical to send these out with University paychecks as many employees have their checks mailed directly to their banks. I asked to see a copy of the booklet; if I like it, I will decide if it is appropriate to clip it to the next issue of the Bulletin.

Dan is working on letters of invitation to members of the legislature from Alameda and Contra Costa counties to attend the newspaper editors' workshop and the football game with Tulane University. Adrian Kragen will talk with Assemblyman W. Byron Rumford about the possibility of picketing at the Tulane game (over the issue of their discriminatory practices).

I then went through my list of 12 items I would like to give some priority in the next couple of weeks, before the beginning of the new school year. The following quote from the minutes of the Cabinet meeting, which were prepared following our meeting, gives a succinct summary of our discussion:

"Institute for Humanities- A committee headed by Hart (including interested people from the Bay Area as well as members of the faculty) recommended an institute patterned somewhat after the Miller Institute with, perhaps, eventual housing of the Institute professors on Chaparrel [sic] Hill. If [the] committee's recommendation is accepted, it will have to have considerable financial support. Dupree is to discuss first with Hart and a first-draft of a proposal should be made.

Naval Biological Laboratory- A decision will have to be made on whether to accept one of the three recommendations made by the special committee. Leopold is to draft a letter to Admiral Bennett, referring to private conversation the Chancellor had with him, and explaining that the only way to get acceptance of the Laboratory is to have the program conducted in the traditional manner of the University, and ask him for his comment. Letter is to be cleared with Elberg and Smith, after talking with Stewart. Madin is to be made Acting Director immediately for this year (and the committee is to be thanked for the report, stating that a decision will be made shortly.)

Dean of School of Education- A committee report has been received and the man we are particularly interested in is more or less opposed by Brownell. The Chancellor will talk with C. W. Brown about possible joint appointment with Department of Psychology. The Chancellor may wait to confer with Strong before moving much further on this appointment.

Department of Psychology- The Chancellor has discussed with Dean Constance the special committee report on the department and as a result the department will not be allowed to split; the regular chairman will be appointed for a specific term (from 3 to 5 years) with power to act; and the department will be allowed to have limited clinical facilities, realistically planned. A letter of thanks to the special committee should be drafted; the Chancellor will clear the letter with C. W. Brown when he sees him about the Dean of Education matter.

Marine Biological Laboratory- The search for a site is still going on and Leopold will continue to work on this. Stanier is drafting a report for the Regents' meetings in September.

Olin grant- Leopold is to talk to Connick and others about possible uses of the \$20,000 Olin will probably give us.

Computer Center- Review of the director is still with the Budget Committee. The Chancellor pointed out that there seem to be two widely divergent philosophies about the operation of the computing center: it should be a small service operation; in this twentieth century era U.C. should have a much bigger operation similar to University of Illinois- very costly. Fretter thinks there is another alternative; a larger operation but in computing analyses as such- not in building machines. It was agreed that when the Budget Committee's report is received we should try for Metropolis (perhaps at one or two steps above the Budget Committee's recommendation) and if he does not accept, steer a path toward an operation in computing analyses and consider the committee's second choice. If this does not work, appoint a new search committee.

Mechanism for Review of Research Contracts and Grants- It was agreed that an administrative committee should be appointed including Constance, Cline, Leopold, an Educational Policy man and one other to study the problem and to recommend a plan for the best administrative review. Leopold should tell Stewart about all of this before proceeding.

Biophysics and Molecular Biology- Leopold is to check with Elberg and "bird-dog" this project. We may have to have a new department here.

Secretary to E. O. Lawrence Committee- Fretter is to ask Harvey White if it is o.k. for Leopold to be secretary. We have been informed that UCLA is asking for the return of McLean.

The Cooperative Committee on Alcoholism- The Commission has appointed Nevitt Sanford as Scientific Director. This project should go to Strong when he returns.

Business and Financial Officer- The Chancellor asked the members of the Cabinet to consider again the possibility of a title of Vice Chancellor for this position. Murphy has announced that it will carry this title at UCLA."

At 2:15 p.m. I telephoned Don McLaughlin to ask him to contact Jim Black again about helping with the fundraising for the Lawrence Hall of Science. I also mentioned to him Herbert Childs' decision to undertake the Lawrence biography and suggested that Starker Leopold might take over the job of secretary of the Memorial Committee which Bill Fretter has been doing (because Fretter is going on sabbatical leave).

Bob Cockrell met with me at 2:30 p.m. in his capacity as campus head of the United Crusade drive. I agreed to sign the letter he had drafted for me to send to campus workers for the drive and okayed his suggestion that Adrian Kragen might be asked to speak at the meeting of the workers in September, suggesting that if Kragen can't do it, Ed Strong might be able to do so.

I had a long meeting with Melvin Calvin beginning at 3:30 p.m. He said that Clark Kerr has received a letter from the NSF to which we must make a reply in order to accept the funds from NSF. This is to pay half of the construction of his building. Acceptance of this should go to the September Regents. Following this, his priority in BCD should be advanced a year, first through the local BCD and then through the statewide BCD.

He has talked to Sandy Elberg and others and the present plan is to put his building on the former site of Chemistry Unit #3 and the Chemical Engineering Building which was supposed to go into that site will now go to the Virus Building area and will be built on the Virus parking lot. Since the site for Chemistry Unit #3 would hold a building of 40,000 square feet and since sites must be built to their capacity, the thought would be that the additional 20,000 square feet beyond the 20,000 needed for Calvin's lab would temporarily house the Mathematics and Statistics Building until their building is built and then after that, would be occupied by the new Department of Molecular Biology. It is important to proceed with the planning as rapidly as possible in order that construction might get underway in 1961-62. The present plan is to start as early as January 1962, if the 88-Inch Cyclotron is completed by that time so that the 60-Inch Cyclotron can be removed. I told him that the 88-Inch probably won't be running until March or April 1962; this seems like a reasonable date for the start of construction of Calvin's lab.

Calvin and I discussed the progress of the Committee to Study Biophysics and Molecular Physics. This committee has reached an impasse because they haven't known what to do with the old Division of Medical Physics, consisting of John Lawrence, John Gofman, Charles Tobias and Hardin Jones. It would be difficult to integrate them into a new Department of Molecular Biology because this would constitute almost a majority of the department and the other people to go into such a department would object. I suggested that they make the recommendation that no more than two members come from any division or department into the new department in Molecular Biology, in order not to disrupt existing divisions and departments and in order that the new department of Molecular Biology not be too large so as to leave room for bright young men to come into it, which is one of the reasons for the new department. I told him that Starker Leopold is now handling this for me and that I will acquaint Leopold with our conversation; I suggested that perhaps they should become acquainted so that he could discuss these matters with him directly.

Two patents were issued to me this date: Patent No. 2, 950,168, Concentration and Decontamination of Solutions Containing Plutonium Values by Bismuth Phosphate Carrier Precipitation Methods (with S. G. Thompson) and Patent No. 2,950,166 Method of Separation of Plutonium from Uranium and Fission Products by Solvent Extraction (with W. J. Blaedel and M. T. Walling, Jr.).

Wednesday, August 24, 1960

I signed a reference report for John Rasmussen to receive an NSF Senior Postdoctoral Fellowship to visit the University Institute of Theoretical Physics in Copenhagen during the academic year 1961-62, rating him, of course, as truly exceptional.

At 11:45 a.m. I received a telephone call from M. Salah Eldin Hassan (Consul General for the United Arab Republic in San Francisco) asking for my assistance in promoting the admission of one of their boys to a program for a Ph.D. in Agricultural Economics. I was noncommittal. He also told me about the planned visit of Sayed Ahmed Marei (United Arab Republic Minister of Agriculture) during the first week of September. I said we would be pleased to have him visit the Berkeley campus.

At 1 p.m. I met with Dick Glass, who earned his Ph.D. in my group in 1954. Dick has been working at the Stanford Research Institute, but is now contemplating a change of jobs and wanted to talk with me about some of his ideas about his future.

When I returned home, Steve and Eric told me that they are making good progress with their swimming as a result of the lessons they have been taking at Dr. David's pool every morning. Since Helen had to take Pete for a visit to Dr. Redmond this morning, Mrs. Riksheim was kind enough to take the boys to their lesson with her son.

Thursday, August 25, 1960

I hosted a luncheon at the Faculty Club for Dean Lee Back of Carnegie Tech.

After the luncheon I drove over to San Francisco, where I went to the studios of KRON-TV on Mission Street for the rehearsal and taping of the television program Tom Pigford and I did, "Fuels of the Future", which is part of their "Science in Action" series.

After the taping, I went to the Fairmont Hotel to the California Room for a reception preceding the graduation dinner in the Gold Room of the American Institute of Banking. I spoke on "The Nuclear Age" for about 30 minutes.

Friday, August 26, 1960

At 11:25 a.m. I received a call from Mel Abrahams (AEC). He told me that he has received the General Manager's approval for a one day visit at the Rad Lab by Victor Spitsyn. (An elapsed time of one day, spread over several days, is okay.)

At 10 a.m. I met with Gilbert Lee, Jr., another applicant for the Business and Finance Officer opening. We discussed in detail the duties of the expanded job and its relationship to the statewide organization. He had talked previously with Milt Chernin, Elmo Morgan and Ray Kettler at the French Lick meeting. He also described his duties as Controller of the University of Michigan and the similarity of the proposed duties

here was very evident. We discussed the relationships with faculty and the necessity of dealing by persuasion rather than edict, which he said, of course, is similar to the situation at Michigan. I said that he would be a member of the Chancellor's Cabinet (the constitution of which I described) and report directly to me.

I told him that at present Vice Chancellor Kragen is handling the building program. I described the building program and methods of operation in some detail and said that Kragen might continue to do this at least for a while, in view of the other heavy duties of the new Business and Finance Officer and in view of the experience that Kragen will have had by that time in dealing with the Regents.

I described the circumstances under which Bob Kerley left and explained Forrest Tregear's position as Acting Business Manager and mentioned that we would expect to keep him.

He noticed that #10 of the list of duties for the job is entitled "Public Relations". I told him that I think this means relations with the community and that we would expect him to join a number of community organizations and represent the University in this respect. This would include making a number of speeches. I said that I think the public relations in the ordinary sense of the word, which are now under Dan Wilkes, who is also Special Assistant to the Chancellor, would probably continue to report to me either directly or through other channels.

I asked him about his public speaking ability and he said that he believes he can handle this but that he hasn't had a great deal of experience in this respect. He is really not an extrovert type but I have the feeling that if he prepares his speeches he will do all right in this respect, which checks with his own feelings.

I asked him about his health and he said that he feels that he is in good health. I emphasized the importance of his wife and her ability to fit into the public relations picture and I received the impression that his wife would fill the capacity very well. She is not extroverted or an aggressive type at all, but does like people and fits into social occasions well. (This description would fit Helen, too.)

He asked about the administration of contract research from the financial point of view and I said that this would be in his jurisdiction. He is particularly interested in this because he has played an important role in this at the University of Michigan.

He is one of the founders and is on the Board of Directors of AURA (American Universities Research in Astronomy) and would like to continue in this role representing the Berkeley campus. He has the impression that this is a statewide responsibility at the present time, with representation by Jim Miller when he was here and now by Jim Corley. I told him that I think that we will receive the campus autonomy on this and that it will be possible for the campus to be directly represented on organizations like AURA and other organizations of this type in which he has an interest and to which he is now a representative. I told him that we would favor his continuing such associations.

In discussing his personal life I found that he has three children, all daughters, ages 9, 12 and 16. I asked him when he could come with us if he is offered the position and he said that although he has not given it much thought, it would be possible to come within 60 to 90 days.

We then discussed salary. His present salary is \$22,200. I told him frankly that the present limit on salary we can offer is \$18,000. He indicated that salary, although obviously important, wouldn't be the sole basis on which he would make his decision. I got the impression that if we were able to offer him something like \$20,000, we would have a good chance of getting him.

After the conference I took him in to meet Kitty Malloy where we had some general get-acquainted conversation and then at noon we went to lunch together at the Men's Faculty Club with Dan Wilkes. I have the impression that he is a very good candidate and that he would fit the position very well. He seems a somewhat shy person but probably effective in dealing with people. He seems to be very conscientious and has a good appearance.

After lunch we (Lee, Wilkes and I) played golf at the Contra Costa Country Club. Our scores for the first nine holes were, respectively, 51, 43, and 49.

Saturday, August 27, 1960

This morning, while Steve and Eric were taking their swimming lesson, I used my Bell & Howell movie camera to take some movies of Gladys Smith feeding Dianne in her high chair. Gladys, whose wages are paid from the Chancellor's Household Budget, serves as Helen's "mother's helper". Our kids like her a lot. She has become a good friend of the family.

Dave and Steve and I went to a baseball game today. The game between the Milwaukee Braves and the San Francisco Giants started at 1 p.m. at Candlestick Park. The Giants defeated the Braves by a score of 3-1. Felipe Alou and Willie Mays each delivered a homerun and the last Giant run was scored by Orlando Cepeda (who was on third base) on a single by Hobie Landrith.

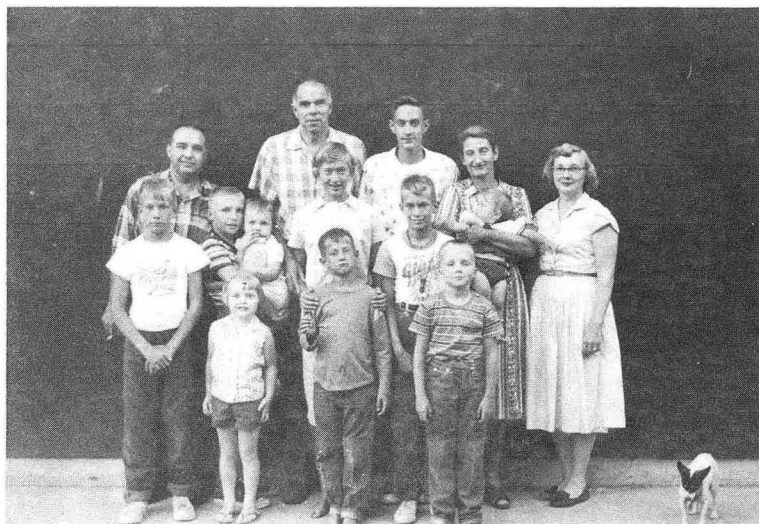
Sunday, August 28, 1960

After finishing with the Sunday papers, I spent some time in my study reading some of the papers I brought home from the office.

An interesting memo from Albert Pickerell to Clark Kerr describes in some detail the ultra-conservative film "Operation Abolition" about the May riots at the HUAAC hearings in San Francisco. Pickerell advocates showing the film to interested parties in the hope that they will easily perceive the bias with which the film was made; I concur.

Another report to Kerr, this one from Raymond Birge, summarizes the membership of the National Academy of Sciences. The University of California now has 63 members, 39 of which are Berkeley faculty members. This is an impressive showing.

Steve and Eric were anxious to show us how their swimming skills have improved as a result of their lessons. I took movies of them and David swimming in our community pool (Perlmans, Seaborgs, Alexanders) in the Perlmans' backyard. My first cousin Charles Seaborg, his wife Lorraine, and their children Chuckie, Jeff, Carol Ann and Jo Ann visited us today. They live in Livermore, where Charles works at the Sandia Livermore Laboratory.



Charles and Glenn Seaborg families- August 28, 1960

Monday, August 29, 1960

Today is one of those very rare days when there is absolutely nothing on my calendar. I went up to the Radiation Laboratory to spend the morning, as I usually do on Mondays. While there I signed a letter to Victor Spitsyn, saying that we would be delighted to have him visit Berkeley and hear him talk on any of the topics he suggested, but especially on the contemporary state and perspectives of the development of chemistry in the USSR.

After the Chemistry staff luncheon I went down to my Chancellor's Office, where I read through the day's correspondence. I wrote to Lincoln Constance to say that I am very impressed by the "Adviser's Handbook" which he sent me and to ask him to pass on this praise to Charles Muscatine and others on the staff who prepared it.

Melvin Calvin sent over a letter saying that he just received a call from the Kettering Foundation and they are offering \$300,000 as a contribution toward the construction of the Chemical Biodynamics Laboratory. This offer is tentative, subject to the approval of their full Board. Melvin pointed out that we thus have a commitment from outside of the state of \$930,000 toward a \$1.4 million building. Receipt of the funds is contingent upon the completion of the building being achieved by September 1, 1963. He emphasized that in order to meet that deadline we

need planning money immediately so that working drawings can be ready for February 1962. He asks that we send a formal request from our Business Office to the Vice President of the Kettering Foundation before the meeting of their Board in November.

I was a bit annoyed to see a copy of this week's U.S. News & World Report which features an article (attached) titled "Nixon's Idea Men- Who They Are, What They Stand For". The description, over brief profiles of ten men (including me!), says:

"You can now begin to see the kind of men Vice President Richard M. Nixon looks to for ideas- for use in his presidential campaign and, if he wins, in the White House.

The Nixon advisors include college professors, scientists, bankers, economists, and businessmen. They are an older group than the men around Senator John F. Kennedy. Most are in their 50s, some in their 60s.

The Nixon men, philosophically, tend to be more conservative than the men who are advising Senator Kennedy..."

Others profiled in this piece are Arthur F. Burns, Henry C. Alexander, Henry L. Ahlgren, Joseph Kaplan, William Y. Elliott, Edward Teller, Lon L. Fuller, Paul W. Cherington and Gabriel Hauge. Some of these men (i.e., Fuller, Teller and Burns) are, I know, strong Nixon supporters. I wonder if any of the others are as surprised as I to find themselves in this company. It is certainly true that I have known Dick Nixon for many years and have advised him on scientific policy matters many times in the past. However, as a lifelong Democrat, it is uncomfortable to be described as a "Nixon man". Helen, who is always a shade more liberal than I, will probably be outraged.

Tuesday, August 30, 1960

This morning's San Francisco Chronicle carried a rather disturbing story about the federal government's surveillance of foreign students who participated in the May 13th riot in San Francisco. Although this activity is distressing, the story itself had some amusing features:

"The Chronicle became aware of this campaign yesterday when Christopher Bacon, a Cambridge University graduate in history, marched into the newspaper office trailed by two Immigration plainclothesman.

Earlier in the day, he walked out the front door at 2929 Hillegass avenue, Berkeley, and asked the agents if he could bum a ride with them to San Francisco, since they were following him anyway.

They agreed."

Bacon said that he had been in the front line of persons hoping to get into the committee hearing in City Hall.

'In the heat of the moment, I did some chanting,' he said. He added:

8/29/60

NIXON'S IDEA MEN

Who They Are, What They Stand For

You can now begin to see the kind of men Vice President Richard M. Nixon looks to for ideas—for use in his presidential campaign and, if he wins, in the White House.

The Nixon advisers include college professors, scientists, bankers, economists, and businessmen. They are an older group than the men around Senator John F. Kennedy. Most are in their 50s, some in their 60s.

The Nixon men, philosophically, tend to be more conservative than the men who are advising Senator Kennedy.

The Vice President met in Washington on August 16 with some of his policy advisers for a discussion of important issues. Out of these and other discussions will come a series of speeches and "position papers" on subjects ranging from farm policy to "the Communist conspiracy."

Staff members of "U. S. News & World Report" talked privately with, and studied the records of, some of the key Nixon idea men. These conclusions emerge:

The Nixon men do not believe that federal spending is



ARTHUR F. BURNS

Former Chairman of President Eisenhower's Council of Economic Advisers. Now heads the National Bureau of Economic Research in New York. An authority on the business cycle. Advises Nixon on broad economic policy.

Advocates tax reduction and vigorous "easy" money policies to deal with recessions, opposes higher spending. Urges legislation to make a sound dollar an official policy of Government. Favors tax reform, strengthened antitrust laws to spur business growth. Age: 56.

HENRY C. ALEXANDER



Chairman of the Board, Morgan Guaranty Trust Company of New York. Advises Nixon on Government finances. Favors "easy" money and tax reduction, but opposes increased federal spending in periods of recession.

In good times, he would put debt reduction ahead of tax relief. First met Nixon in 1950 at a luncheon given by former President Hoover, got to know him while working on a "cold war" strategy assignment for President Eisenhower. Alexander is a native Tennessean. Age: 58.



HENRY L. AHLGREN

Director of the Agricultural Extension Service at the University of Wisconsin. Nixon's closest adviser on farm policy and a possible Secretary of Agriculture if Nixon becomes President.

Ahlgren believes the Government should move "quickly and very vigorously" to deal with overproduction on the farms. He favors a minimum of federal regulation, an expanded "soil bank," price-support floors under farm prices. Opposes high, rigid supports, and the "Brannan plan." Age: 51.

JOSEPH KAPLAN



Professor of physics, University of California. Nixon began to rely on Kaplan for advice on space and other science matters while Kaplan was chairman of the U. S. National Committee for the International Geophysical Year, in 1958 and 1959.

Kaplan believes that the U. S. must pursue a vigorous research and development program on space. Feels that this country cannot afford to be second to Russia in space development. Has been particularly active in international science groups. Age: 57.

GLENN T. SEABORG



Nuclear scientist and a chancellor of the University of California. Won Nobel Prize in chemistry in 1951. A close adviser of Nixon's on science and education, Seaborg advocates special reactors to provide materials

for use in search of new elements. Seaborg, codiscoverer of plutonium, is interested in harnessing it for industrial use. Of U. S. education, he says: "I am firmly convinced that our survival as a free nation depends largely on an improved educational system at all levels." Age: 48.



VICE PRESIDENT NIXON, as he met with political advisers

a cure-all for the country's problems. Yet, they do not make a fetish of opposing "big Government."

They believe in a minimum of Government regulation of the people's lives. Yet they feel that Government has responsibilities to farmers, wage earners and businessmen, and in the fields of education, science and civil rights.

Nixon's advisers, for example, believe in more freedom for farmers, not more controls.

The Nixon economists would invoke the powers of Government to deal with a recession. But they would emphasize "easy" money and tax reduction designed to spur business, not heavy federal spending and tax cuts for consumers.

The Nixon men believe politicians should be as concerned over inflation as over recessions. Arthur Burns, for one, urges a new law to make "price stability"—a sound dollar—a goal of the Employment Act, along with "maximum employment."

The men pictured on these pages are some of those who have Mr. Nixon's ear. But he also consults many others, in Government and in private life.



—USN&WR Photo

FOR MR. NIXON, advice from men of varied backgrounds



WILLIAM Y. ELLIOTT

Professor of history and political science at Harvard. Worked with Nixon while staff director of the Herter Committee, which helped develop the Marshall Plan. Elliott traveled with Nixon to Russia in 1959, now

advises on foreign policy. Favors more training by the U. S. of civil servants in underdeveloped countries as the most-needed form of foreign aid. Of economic policy, he says this: "You still have to balance international payments, and ultimately balance the budget." Age: 64.

LON L. FULLER



Professor of law at Harvard. He taught Nixon in law school at Duke University in Durham, N. C., now advises him on labor, a wide range of other policy matters. Close friend of Archibald Cox, the Harvard professor who is Senator Kennedy's chief labor adviser. Fuller calls himself "tolerably conservative" on fiscal affairs, does not think that federal spending is an economic cure-all. Sees a growing temptation for the political parties to try to outbid each other. Age: 58.



EDWARD TELLER

University of California physicist, often called the "father" of the hydrogen bomb. Teller is a key adviser to Nixon for science and defense. Strongly opposed suspension of nuclear tests in 1958. Now, he favors resumption

of underground testing of atomic weapons, believes the Russians are gaining an advantage from the current suspension, feels there is no way to know whether they are cheating. Teller agrees that atmospheric testing of atomic weapons should not be resumed. Age: 52.

PAUL W. CHERINGTON



Professor of business administration at Harvard. Expert on transportation, on which he advises Nixon. Cherington has worked extensively in Government on transportation problems, in the White House, the Defense Department, the Civil Aeronautics Board and for Congress. Served as a consultant to several airlines. As a White House consultant, Cherington published studies on rate and fare policies of airlines and the status and significance of the airlines' equipment-investment program. Age: 42.

in Washington, August 16, for a discussion of important issues

GABRIEL HAUGE



A director and chairman of the finance committee of Manufacturers Trust Company, New York. Nixon has continued to call on him for economic advice since Hauge served as special economic assistant to President Eisenhower in his first term. Hauge has been actively interested in lowering trade barriers among nations. Views on domestic matters closely resemble those of Arthur Burns. Hauge was largely responsible for Burns's selection as Eisenhower's first chief economic adviser. Age: 46.



'I'm not a Communist dupe, so far as I know.'

He was one of 64 demonstrators jailed briefly after the riot and cleared of all charges by Judge Albert A. Axelrod, who said he didn't want them to have a life-long stigma.

The 24-year-old former Royal Air Force pilot said he traipsed over to City Hall on May 13 because his fellowship to the University of California included a bid to 'see the American way of life,' and he thought the hearings would be in line of academic duty.

Bacon took a pretty good soaking from fire hoses. Soon after, Bacon said, the Immigration people established a round-the-clock watch on his Berkeley residence.

He adopted the policy of getting chummy with the agents.

'Saturday night I brewed some coffee and took it out,' he said. The sleuths were hurt at this blithe attack on the game of cops and robbers.

'Don't ---- it up,' they said, and declined the brew- not unkindly."

The article goes on to detail the kind of information about Bacon's activities which the Service has been collecting, including following him and his girlfriend around the country. Bacon is leaving the country today, having been denied his application for a two week extension of his entry permit.

In my office this morning I signed a number of letters. Letters of appointment to the Men's Judicial Committee went out to Frank Brian Rapp (Chairman), Alan T. Barthold, Sanford M. Skaggs, Philip Newlin, Allan L. Herzog, James H. Elden and Roger A. Browning, and to the Women's Judicial Committee to Mrs. Richard Cochran (Chairman), Priscilla Spires, Linda Groves, Winifred McAbeer, Judith L. Richards, Kathleen Ann Dougherty and Margaret G. Jenson.

The report from the committee to consider the qualifications of Nicholas C. Metropolis for the professorship in Physics makes an interesting, fairly detailed survey of his career and work.

"The evidence available to this committee is not at all compelling, in terms of the candidate's scientific distinction in physics and/or computing science. Rather, the evidence could be termed 'permissive'; Metropolis's achievements to date would not be inconsistent with regular-faculty appointment at the third step of Associate Professor or the first step of Professor. Should he be named to this faculty, the committee believes that any salary in excess of an on-scale professorship should be provided him as an administrative stipend."

Their report concludes with a very important, general question about the future emphasis on computers at the University:

"This committee has been unable to divorce the question of Dr. Metropolis's qualifications for the professorship from his

qualifications for possible appointment as Director of the Computer Center. A more thorough search might turn up an equally good candidate for Director who would have made greater academic achievements. This committee believes that the question of Metropolis's eligibility depends greatly upon what plan is projected for the evolution of computing services on this campus, and precisely how Dr. Metropolis would fit into it. Collectively the faculty does not want, and would not benefit from, a Center operated like an impregnable fortress, accessible only to a select few who had acquired the proper indoctrination. The problem is one of creating an economy of plenty in regard to computing services and facilities, to achieve the widest and greatest benefit. Are the indications adequate that Metropolis would work in this direction?

The question also arises as to whether computer science or computer technology is an academic discipline in its own right--either a field suitable for graduate instruction under 'group' direction, or under a separate department--or whether it will remain a non-academic art or skill comparable to typing or bookkeeping. If the latter alternative were to represent its future status, it would appear much better to appoint a professional scientist (rather than a professor) as a non-academic manager of the Center.

The gist of our discussion is this: Since Metropolis would acquire academic status by virtue of his achievements in computing rather than in physics, the question of his appointment must depend at least partly upon whether the University is ready to agree that computing itself is an area of academic knowledge."

Two patents were issued to me this date: Patent No. 2,951,018, Electrodeposition of Neptunium, with A. C. Wahl, and Patent No. 2,951,023, Method of Producing U²³³, with R. W. Stoughton.

At 11 a.m. I met with Morris Stewart to discuss the Naval Biological Laboratory. We reviewed the differences of opinion between Roger Stanier and Esmond Snell on the one side and Charles Smith and Sandy Elberg on the other, with which he was very familiar. After a discussion of the background (since he has been on the advisory committee since the beginning) I told him I am going to move in the direction of more campus involvement in the program. He agreed. I said that if we approach Admiral Bennett with such a proposal, there will be fireworks, with which he also agreed. I also said that Smith won't like it, but he agreed that in the long run Smith would be better off if he has faculty support. We discussed two analogies: the Rad Lab run by professors or Los Alamos and Livermore run by nonprofessorial staff with very few relationships with campus. It shouldn't continue in this latter category. We decided to talk with Clark Kerr about this and then carry on from here.

I also told Stewart that there are some stirrings statewide and on campus about the need to look at research contracts and how they are administered. I informed him that I intend to appoint a committee to look into this problem and make recommendations about how it might be better handled. I mentioned that there is a move in the statewide administration to have institutes and laboratories report through deans, which he thinks is a very good move.

At 11:30 a.m. I met with C. W. Brown to discuss with him the report of the special committee to study the Psychology Department. I read him the four recommendations: (a) organized research units to continue to operate as separate entities within University policy; (b) Institute of Human Learning to develop into an institute or department; (c) a modest clinical facility to be developed; and (d) Department not to undergo fission- a strong chairman should be appointed this year and he should run the Department with faculty advice but not excessive democracy.

With respect to (c), I mentioned to him as an aside the development of interest by the Kaiser medical entities. He had heard about this from Constance. He said that he would suggest a name to be added to the five-man Kaiser committee I have appointed. We discussed what kind of clinical facilities we should have; I said I visualize an operation within the workload budget, i.e., the next professor will be appointed in this area.

With respect to (d) we discussed at length how to implement this change in style, how to find the median between the traditional sort of chairman and a more autocratic type. We ended up more or less agreeing that there ought to be an executive committee to make recommendations with respect to appointments, which is the biggest issue. We left it that he is going to draft a proposal of the type he would like me to send to him.

I presided over a meeting of my Cabinet at noon. I opened the meeting by summarizing the gist of my meetings with Stewart and Brown this morning.

I then announced that I will recommend the appointment of Gilbert Lee as our Business & Finance Officer and that he will probably be given the title of Vice Chancellor.

I brought up the question of the Computer Center directorship. Discussing the report from the Physics committee to consider the appointment of Nicholas Metropolis and their rather parochial view of computer science, I expressed the opinion that, when the importance of computing in this century is considered, we have been compelled to aim too low. It seems to me that we have only an average Computer Center and that we need a breakthrough in our thinking if we are ever to hope to take our place in this new frontier of knowledge. I think I should write to Clark Kerr putting forth this point of view and suggesting that a statewide committee be appointed to consider our efforts and those of UCLA in this new field.

It was agreed that the plan to seek federal aid for the urban redevelopment of the south-campus area is a good one and that Krage should inform Dick Jennings of this plan so that he might discuss it informally with city officials.

Robert Underhill has asked us to furnish information on the Art Center that he can send to the Housing and Home Finance Agency regarding the background on need for the proposal which Donald Coney is drafting and the need for producing revenue from the Art Center, which has also been sent to Coney. We decided that the most probable way to raise revenue for the Art Center would be to raise the student fee by a few dollars a year and that we should seriously look into this possibility.

We agreed to drop the idea of a story on off-campus speakers this year as compared with those before the Kerr Directives. Dan Wilkes introduced Renee Peterson (new head of the Speaker's Bureau) and after hearing her summary of the activities of the Bureau it was decided that a release should be written concerning the Bureau's facilities, which I will sign.

At 2:30 p.m. I called Lincoln Constance to set up our weekly meetings for the next semester. We agreed to meet on Thursdays at 2 p.m., beginning on September 15th.

I told him about my meeting with C. W. Brown about the Psychology Department this morning, especially a) the plan to have him (Constance) draw up a plan for clinical facilities, b) the plan for arbitrating appointments involving the new chairman and an executive committee with Constance and I making the final decisions, and c) the plan for Brown to draft a directive to the Department from me implementing the committee report.

We also talked about Molecular Biology. The committee on this will probably recommend a chairman for the new department (maybe Calvin) or perhaps they may give me a slate of names from which to choose. I said that either case would be okay with me.

I met with T. R. McConnell at 3 p.m. about plans for the Center for Higher Education.

At 3:30 p.m. I met with Sandy Elberg. We discussed the Naval Biological Laboratory at length. The gist of the conversation is that Elberg doesn't see any particular objection to the method of proceeding to ask the Navy for the right for faculty to determine the program as a prerequisite for moving the Laboratory on campus. He thinks that we won't be able to get this so that it might be better to drop the Lab, which might not be a very big loss. He has heard a rumor that Stanford University or the Stanford Research Institute might be interested in picking it up. He suggested that we should have a present faculty member serve as Director and said that his own name has been suggested.

We also discussed Calvin's building and the difficulty in funding it. Calvin now has \$627,500 from NSF and \$300,000 from Kettering Foundation. He still needs the balance for the \$1.4 million building. Elberg said that he has discussed this with Elmo Morgan and that the only way to get the money from the budgets for 1960-61 or 1961-62 would be to displace something else which is impossible since everything has been firmed up. We decided that after I check with Morgan, I will write to Clark Kerr requesting that we be advanced the money from the 1962-63 budget. At the same time we should ask for a similar advance of funds for Percy McGaughey's Sanitary Engineering Building. I said I will call Morgan tomorrow.

Wednesday, August 31, 1960

There was no Associate Directors meeting at the Radiation Laboratory this morning so I went directly to my Chancellor's Office.

I signed a letter to Ed Pauley, informing him that I have asked Starker Leopold to assume the duty of Secretary to the E. O. Lawrence Memorial Committee from Bill Fretter, who is on sabbatical leave.

I also wrote to Sidney Hoos to thank him for the excellent report of the committee on the Psychology Department and to inform him that we have decided that the recommendations of the committee will be carried out in full.

I signed a strong recommendation for an NSF postdoctoral fellowship for James Mollenauer, whom I have known since he started his graduate work at the Radiation Laboratory about four years ago.

At 10:45 a.m. I telephoned Elmo Morgan, who is visiting the Riverside campus today. I said I would like to offer Gilbert Lee a salary of \$20,000 for the position of our Business & Finance Officer, giving the reasons why, and that we would like to give him the title of Vice Chancellor. I asked whether Kerr would like to meet with Lee before the offer is made and also asked him to check the salary with Kerr. We left it that I would check both questions out with Clark myself. Morgan said that Lee's wife is delightful and would fit in very well.

I also told him about the great need for Melvin Calvin to get his lab in 1961-62, explaining about the Kettering Foundation's stipulations, and our consequent need for more money right away.

I asked him whether 1) we could phase Environmental Design's \$6 million budget so that some part of it came in in 1962-63, since it will probably take at least two to three years to build; or 2) whether we could trade with some other campus on a time scale. I also told him that McGaughey's project is in the same category. Morgan promised to look into both of these categories and let me know.

At 11 a.m. I met in my office with Nils Stahle (Nobel Foundation) and Manne Lindholm (Swedish Consul General in San Francisco). It was mainly a social visit. We talked about the seven Nobel Prize winners on the Berkeley campus; I showed them a picture of the seven of us, expressing the hope that it will soon be out of date. I told them that I have nominated Melvin Calvin for the Prize in Chemistry and Donald Glaser and Luis Alvarez for the Prize in Physics.

At 11:30 a.m. I met with a group of Romanian visitors: I. G. Murgulescu (Romanian Minister of Education) and his wife, Atanase Joja (President of their Academy of Science and former representative to the United Nations), Grigore Moisil (Vice Chancellor of Automation and former Ambassador to Turkey) and State Department interpreter John Bickers. The meeting was purely a social call. I presented Murgulescu with a copy of my book The Transuranium Elements and then Bill Fretter took them to lunch at the Faculty Club.

At around 4:30 p.m. I received a telephone call from Kathie Zahn of Albany, who said that her "hair is turning gray" waiting for our reply on the Gill Tract problem, that she has never wanted anything so badly in her life as that piece of property for the City of Albany, that she realizes that if I agree, 99.99% of the battle would be won, etc., etc. I told her that we are moving as fast as we can and that she has the

wrong idea if she thinks that my say-so carries that much importance, since this would have to go through the President and the Regents for approval. I told her that I doubt that it can get to the September Regents Meeting, but that I hope that it might be considered by them at their October meeting. I referred to the battle at the Albany City Council meeting about which I read in the Berkeley Gazette the other night; she responded that we can't have that kind of Hitlerism in this country.

I finally reached Dean McHenry (after trying to reach him for some time) to talk with him about the reception given Hunter Dupree at the meeting regarding the Ford Foundation allocations. I told him that some of us are very unhappy with the procedure he followed in the selection of the representative to the meeting and that the precedent of checking with the Chancellor's Office has always been followed in the past. If they didn't want Dupree at the meeting, I would much rather not have had him go than to have subjected him to that kind of rude treatment. McHenry agreed that some of the remarks made on that occasion were definitely out of order and that the situation was not handled well. At the end of our conversation we agreed that no harm was done and that it is best to forget it.

I read a memo from Adrian Kragen about the formation of the "Golden C Society", which is organized to give financial support to the new intercollegiate athletics program. He wrote to feel me out about whether I think it would be appropriate for me to accept an honorary membership; I answered "yes".

Thursday, September 1, 1960

I signed a memo to Clark Kerr, drafted by Bill Fretter according to my instructions, regarding the Computer Center, which emphasizes the two following points:

- 1) The development of computers has enormous implications in physical, biological and social sciences.
- 2) The University of California is lagging badly in computer science and application."

The letter summarizes the situation as follows:

"The Computer Center at Berkeley is visualized as a service center to the faculty, and as such it is making good progress in developing campus use and becoming self-sufficient within its budget. It appears to me, however, that we should strive to develop a computer center that is second to none in the United States. This would involve an enlarged professional staff, with numerous joint appointments with interested departments, and would, of course, involve substantially increased State support.

Computer science is developing at a fantastically rapid rate, and a second-rate computer center unable even to keep abreast of developments would seriously hamper the research activities of many departments. Although I am not familiar with the situation at UCLA, undoubtedly a similar need exists there. The smaller campuses will soon need computer facilities.

I would thus urge you to consider undertaking a greatly expanded program in computer science and facilities throughout the University."

At 10 a.m. I met with Harvey White regarding the Lawrence Hall of Science. He asked me if I was familiar with the correspondence regarding Lee McLean between Tom Cunningham and Chancellor Franklin Murphy of UCLA; I said I am. White feels that we can't get along with only 50% of McLean's time, but said that McLean feels that it will blow over and he will continue to work as he has in the past. White told McLean to let him know if he wants me to step in. (I hope not.)

We discussed whether the Hall should be under Berkeley campus or statewide jurisdiction. He pointed out that Bill Monahan couldn't work on it if it were Berkeley campus, but could if it is a statewide operation. On the other hand, there seems to be a certain lack of interest in the project in the statewide administration. (For example, Harry Wellman indicated that under no circumstances would there be space available in University Hall in which the Memorial Committee could work. The office is winding up in Cowell Annex, which has been scheduled to be torn down.) We concluded somewhat reluctantly that, all in all, it should continue to be a Berkeley campus project.

Harvey said that he has talked with Bill Wurster about the architectural competition and Bill is coming up with a list of possible participants who can probably do it for \$4,000 a piece--at a total cost of \$35,000. He will write Pauley about this. He would like this to go to the October or November Regents Meeting; I suggested circularizing the committee members by mail first and then if there are no objections, send it to the Regents Meeting.

He said that it would be very good if I were able to attend their weekly Lawrence Hall of Science meetings; however, I just don't have any weekly luncheon periods free. He said that Tom Cunningham is starting to pick up interest in the project, but still doesn't have the interest that Norrie Nash has.

White said that he has talked with Donald Cooksey, who is hesitating about mentioning Herbert Childs' interest in writing the Lawrence biography in the next Lawrence Committee newsletter. He said that there is a difference of opinion developing as to whether the book should be written the way Childs wants to write it or the way the others want it done. I pointed out that if Childs is going to write it, the Regents should be informed and I think the newsletter is the ideal way to do it. He will talk with Cooksey again.

He asked me whether we should ask the AEC for \$1 million or \$800,000 to equip the nuclear science hall with a reactor and a 2 Mev cyclotron. I suggested \$800,000 as being more realistic, sensible and obtainable.

At 10:30 a.m. I met with Howel Williams, new Chairman of the Budget Committee, and member Bill Gwinn. We discussed the general philosophy of the relationship between the Budget Committee and the Chancellor's Office. I said that I feel that relations have been good with his two predecessors (Ray Bressler in 1958-59 and Earl Parker in 1959-60). I admitted that there have certainly been differences of opinion, but that when I have disagreed with the level of appointment or promotion it usually amounted to one step. I presented my reasons for feeling that over-maximum salaries are simply an extension of the salary scale, noting that the Budget Committee last year initially disagreed with this philosophy but later changed their minds. I commented that part of the reason that the statewide administration does not agree with this is that not all campuses have professors at over-maximum salaries. Williams seemed to agree with this and Gwinn at least didn't disagree.

I also explained the situation with respect to the Law School, that is, its willingness to come back into the Academic Senate provided that promotion and appointment committees could have three to five men from the Law School. I suggested that it would be worth it to get them back in and furthermore it seems reasonable since the area is separate compared to others and, what is more, I am sure that the medical school has five out of five medical school men on its committees and, as it is, at present the Law School has what amounts to five out of five. Williams and Gwinn seemed to agree.

I told Williams and Gwinn that I feel like I am between two fires on the proposed appointment of Nick Metropolis as Director of the Computer Center. The members of the review committee (Kittel, Kuznets, Protter, Watson, Wheeler and Vermeulen) recommend only Step I of the professorship and seem almost to want to recommend against the appointment. On the other side, Bethe, Segrè, McMillan, Perlman, Street, Alvarez, Rosenfeld, Chew and Nierenberg favor appointment at a salary somewhere around four steps over maximum.

I am inclined to favor the Bethe, Segrè, et. al., group's position. However, I don't want to dispute the opinion of the Review Committee and the Budget Committee. I suggested that it might be helpful if the Budget Committee wanted to re-review the case. I also noted that I am very disturbed by the Budget Committee's comment that they regard the Computer Center as primarily a

service organization and not an academic institution in itself. I maintain that we should try to take a lead in developing computer applications in research and showed them a copy of my letter to Kerr of this date.

At noon I called Arthur Flemming (Secretary of Health, Education and Welfare) to ask whether it would be all right for Ed Strong to represent us at the meetings regarding the NDEA. He said fine, but he hopes that if there is a shift in dates on future meetings, I might come.

In the afternoon I played golf with Dan Wilkes and Stan Thompson at the Contra Costa Country Club. As always, Dan played the best game, with a score of 80. I shot 92 and Stan, 90.

Helen and I had dinner at the home of Mr. and Mrs. David P. Smith, our investment counselor at the firm of Willis and Christie in San Francisco.

Friday, September 2, 1960

I was pleased to see an editorial in the Daily Cal praising the change in policy which will allow Nelson Rockefeller to speak on the campus on September 14th and urging students to become involved in this fall's political campaign either through the Young Democrats or the Young Republicans. This is the sort of healthy, constructive activism we would like to see encouraged at Berkeley.

Today's issue of the student paper also carried a report of the National Student Association convention held at the University of Minnesota this week. A resolution passed at the meeting called for modification of the Kerr Directives, saying also that student, rather than the university administration, should have the authority to determine the scope of the student government. The resolution added that all types of issues may affect students and that it is impossible to define issues as "on-campus" or "off-campus" as such.

A letter arrived from Dick Nixon in response to our invitation to speak on the campus this fall. He says that his California schedule has not been fully determined yet and that he will bear our invitation in mind.

Denzel Carr wrote a long memorandum to Clark Kerr, Lincoln Constance, M. A. Stewart, C. D. Chrétien and me. He opens the memo by noting his opposition to the principle of multiple-address mail and then goes on to say,

"If I now resort to what appears to be a multiple-address memorandum it is because I cannot determine who should receive it or who can act on it or even who should act on it. One of you must have the individual authority or some or all of us the collective responsibility for a problem that is not finding a clear-cut or equitable solution at present. This letter is not going beyond the University, but I am determined that it shall make a bulge under several rugs, not just one, if it is swept under the administrative rug."

Carr then goes on to explain in his own inimitable manner what the problem is:

"The most mnesicagacogenous [resentment-producing] issue of the past year or so stems from the National Defense Education Act of 1958. The Russians put a sputnik in orbit. We wish we had beaten them to the cosmic

draw, so we lash out in blind rage and toss a few million dollars into space in lieu of a sputnik in the hope that at least we shall have an adequate earth-bound tower of Babel instead. It is known that drunken sailors have never yet built a tower; they have been known to tear down a few. This drunken-sailor approach to education may prove to be our undoing. God and Sputnik are in their heaven, but not all is right with the world. We are becoming vicuna-clad academicians and we look better--or at least more colorful--in the Erasmus cap, the beggar's bowl hood, and the gown that is in the town but not of it. [Any administrator would begin to suspect by now that this is the warm-up for an appeal for funds. You are all administrators. After all, the minister usually goes through some such thunderous motions before the ushers pass the plate. I must now provide the soft organ accompaniment.]"

Much as I hate to paraphrase Denzel's language and lose some of its exotic flavor, time and space dictate the I cannot quote the entire six pages of this letter. He describes the scramble among higher education institutions for the money available through NDEA for establishing "centers" for critical languages, noting one institution which possessed only two books in its collection written in the language for which it became a center under the new federal funding.

"A frantic, phrenetic search for faculty and books ensued. The Center without core or periphery (but with money) was a fait accompli. The first goal was attained with the allocation of funds, the establishment of a 'shadow department', an assignment of, say, 29 percent to the host university for administration, and lobbyist's satisfaction at a job well done. The champagne was heady and it was downed in quantity.

The 'morning-after'-- strange to say-- came the morning after..."

"...The first major error of a policy nature is the growing tendency to encourage in the young the feeling that teaching does not truly matter. The way to get promotion and especially tenure is to get the books and papers out. The way to get them out is to be relieved of instructional and unremunerated or uncompensated-for administrative duties. Then mend the political fences by administrative travel to various campuses for symposia, colloquia, conferences, and seminars. (In the Navy this would be equivalent to 'showing the flag.') An offer will probably be made to you which calculated with great accuracy to gain a one- or two-step promotion. I have sat on several such ad hoc committees during the past two years and three of the preemies that emerged from our deliberations have used their accelerated promotion here to gain within a year a second promotion and the job they wanted elsewhere. In some instances this has bordered on blackmail, but in the interest of peace we shall here dub it 'free competition' or camouflage it by calling it chantage.

The second error may concern only the Department of Near Eastern Languages, but I suspect there are a number of other cases on campus, possibly outside the NDEA sphere of influence. This is concerned with taking on grants of one kind or another with directorship, research assistantships, research X-ships, research equipment, research S&E, administrative travel, per diems--all for doing the job contracted for, but with no provision for those who have to stay behind on week-ends and during not only the three-month academic 'detensor' but even the one-month or two-week rest that is a minimum in our harried society from the

president down to the alley-cat. Even the slugs in our garden estivate for two weeks. If English rose to its responsibilities, I could say: Go to the slug, thou 'antard'!"

Here I think we arrive, finally, at Carr's Complaint: the removal of qualified teachers from the teaching of students and the administrative burden imposed by some of the above-mentioned activities on his Department of Near Eastern Languages. While recognizing the need for some of these administrative duties,

"Still the fact remains that there are other nose-some-distance-from-the grindstone tasks a chairman should and must perform if the University is to be anything but an automated academic colossus..."

In a postscript written later, he adds,

"...Mr. Chrétien felt that writing a letter that was bound to exhibit some traces (shall we say?) of bitterness would be out of place. I held off sending this to see whether I considered his point well taken. I do not. Bitterness is better poured out than stoppered up. It will do less harm to our personal and professional relations if I do not pretend that I am picnicking by day and reveling by night when I am badgered by problems that need not have arisen if this Department had been capable of being administered by its own personnel."

I have quoted Carr's letter to this great extent not only because, as always, I appreciate the way that he expresses his ideas, but also because I think he points out a very real problem that confronts the University in many areas which are supported by federal funds and largely influenced by research priorities rather than teaching responsibilities.

At 10 a.m. I returned a telephone call from Don McLaughlin, who said that he has talked with James Black of PG&E and that Black indicated that he doesn't have time to head up our Lawrence Hall of Science fundraising drive. He said that he (Black) talked with R. Gwin Follis and Elmer R. Peterson of Standard Oil of California, who both indicated that they aren't in a position to make a gift. Black also said that PG&E isn't able to make a donation. Black has also talked to representatives of some of the companies in the East for which Lawrence did consulting work and none of them can contribute. McLaughlin said that he is going to talk with Ed Pauley about this discouraging situation. I told him about the proposal to hold a meeting on November 15th in New York between Nobel scientists, business leaders and Clark Kerr. He said he thinks this is an excellent idea since it will also serve to assess the climate.

At lunch I bumped into Ken Pitzer at the Faculty Club. He said that he had been talking with somebody from Standard Oil who said that the cost of our residence halls was about \$15,000 per room. Since it is important to counteract such statements, I said that I will find out the real cost and let Pitzer know.

I spent the afternoon up at the Radiation Laboratory, where I talked with people about the November 15th event in New York. The present plan for the meeting is to have the following people talk on these subjects: Kerr on the prognostication of the economic future of the country, me on plutonium and its role in atomic energy, Calvin on photosynthesis, McMillan on large accelerators, Segrè on elementary particles, Teller on prognostications

ATTENDEES AT COCKTAIL PARTY

Abrams, Dorothy M.
Alexander, J.M.
Arnold, James E.
Asaro, Frank
Atterling, Hugo

Barry, Michael Lee
Bjornholm Sven
Bowman, Harry R.
Bowman, Thomas E.
Brandt, Reinhard
Bromley, LeRoy A.
Brown, Melvin
Buchla, Donald
Bueling, Janis M.
Burgess, William S.
Burkett, Robert H.
Burnett, Donald S.
Burnett, Eileen C.
Burnett, John L.

Cabezas, Amado Y.
Carrillo, Gloria A.
Cerny, Joseph III
Clarkson, Jack E.
Conway, John G.
Corum, Charles A.
Cox, Lucy
Croft, Paul D.

Davis, Ralph J.
Diamond, R. M.

Elbek, Bent
Emanuel, Alan

Flamm, Eileen J.
Fregulia, Arlene L.
Fried, Sherman M.

Gibson, Leonard E.
Gmitro, John I.
Graham, Robert J.
Grant, Ronald W.
Griffioen, Roger D.
Grobelch, Frank S.
Grove, Andrew S.
Gruber, John B.

Haag, James N.
Hagopian, H.
Haines, Eldon L.
Hanson, Donald N.

Hasey, Mary Lou
Hatch, Chester W.
Hebert, Alvin J.
Hennico, Alphonse
Hickman, Robert G.
Hollander, Jack M.
Horen, Daniel J.
Huffman, Eugene H.
Hughes, Harlan
Hultberg, Sölve
Hybarger, Roy M.
Hyde, Earl K.

Jenkins, E. B.

Kaplan, Morton
Kazutoff, Dominie Ann
Kiefer, Richard L.
Kilian, George W.
Kim, Yeong E.
Knoll, Spencer J.
Korteling, Ralph G.
Kramer, Gustav

Lammermann, Hildelore
Lebeck, Donald F.
Leres, Richard G.
Li, Norman
Lipworth, Edgar
Lovejoy, Carolyn A.
Lynn, David K.

MacFarlane, Ronald D.
Margulis, Thomas N.
Markowitz, Samuel s.
Marrus, Richard
Martin, Richard
McCarthy, Francis T.
McHarris, William C.
McHugh, Douglas E.
McHugh, James A.
McLaughlin, Ralph D.
McWhan, Denis B.
Michel, Helen V.
Michel, Maynard C.
Mladjenovic, M.
Mollenauer, James F.
Moon, Joon Sang
Morton, John R. III
Moustapha, Nadia S.
Mullins, Terry

Nakamura, Michiyuki
Naumann, Robert A.
Nilsson, Sven G.
Nir, Aharon

Olander, Donald R.
Olmsted, John A. III
Owyang, Raymond

Parsons, Thomas C.
Pasternak, Alan D.
Perlman, Isadore
Phan, Luyen Cao
Poggenberg, J. Kenneth

Rasmussen, John O.
Reeder, Paul L.
Reimers, Richard M.
Reynolds, Fred L.
Richeda, Donald E.
Robinson, Herman P.
Rony, Peter R.
Ross, A. Auriol
Ruben, Helena W.

Saxton, James A. Jr.
Scheer, Jens A.
Seegmiller, David W.
Shalimoff, George V.

Shirley, David A.
Sikkeland, Torbjorn
Silvas, Harold J.
Singh, Sarjant
Stahl, Arthur W.
Street, Kenneth
Sweeney, Michael

Templeton, David H.
Tobias, Charles W.
Tocher, Mab I.

Valentin, Fr. Jacques
Vermeulen, Theodore
Viola, Victor E. Jr.
Voelker, Ferdinand
Volz, Herman Jr.

Watkins, Bertram C.
Weiss, Lawrence H.
Westenbarger, Gene A.
White, Matthew B./
Whitney, David C.
Wilke, Charles R.
Wilkins, Bruce D.

Woo, Edward
Word, Tracy T.
Wright, Roger M.

Yamamoto, Yasuo

concerning the scientific age of the next century, Stanley on viruses and Harvey White on plans for the Lawrence Hall of Science.

When I got home today, I heard about Pete's afternoon at Acalanes High School for the orientation program. It's hard to believe that he is starting high school this month. They sure grow up quickly.

Saturday, September 3, 1960

Dan Wilkes and I played golf at the Contra Costa Country Club today. Our scores, respectively, were 80 and 99.

Later in the day I spent some time in my study going over the revised draft of our PSAC Panel report, which I received yesterday from Mac Bundy.

Sunday, September 4, 1960

Helen and I hosted our annual cocktail party for members of the Nuclear Chemistry Division at the Radiation Laboratory and other guests from the Livermore Laboratory at our home from 3 p.m. to 5 p.m. (List of those who attended is attached.)



Cocktail Party, September 4, 1960

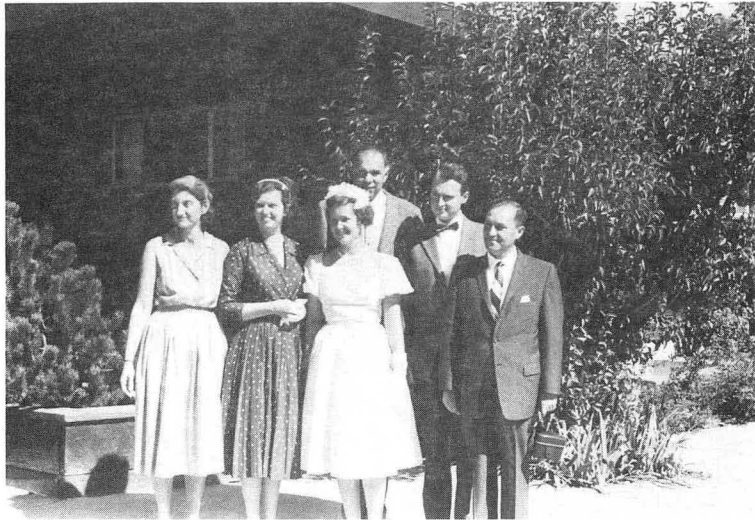
Helen and I with our elder daughter, Lynne, who is becoming quite a young lady



L to R: Mary Dee Vermeulen, Helen Seaborg, unidentified, Ingrid Nilsson,
Sven Gösta Nilsson



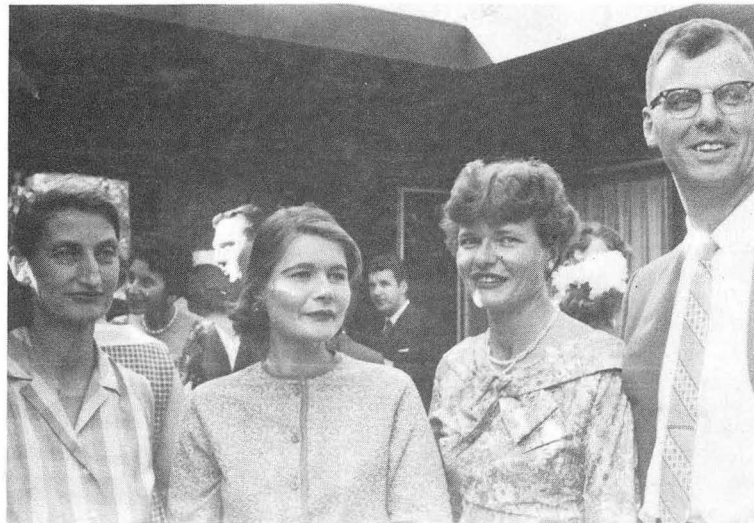
L to R: Natalie Barton, Manfred and Bernice Lindner, Jack and Margie
Hölander, Earl Hyde



L to R: Helen Seaborg, Mrs. Atterling, Margareta Hultberg, GTS, Sölve Hultberg, Hugo Atterling



Herman Robinson and Sherman Fried



L to R: Helen Seaborg, unidentified, Barbara and Peter Stevenson



L to R: Sven Gösta and Ingrid Nilsson, Dr. and Mrs. Sven Björnholm



L to R: Margie Hollander, Ken and Jane Street

Monday, September 5, 1960

Today is Labor Day and, therefore, a national holiday. I played nine holes of golf at the Contra Costa Country Club with Evelyn and Dan Wilkes. Evelyn shot 50, Dan, 40 and I, 48.

Tuesday, September 6, 1960

The children went back to school today. Pete started high school at Acalanes High School; Lynne returned to Stanley School in the eighth grade and the other three boys are all at Happy Valley School- Dave in the sixth grade (Room 5), Steve in the fourth grade (Room 2) and Eric in the first grade (Room 11, Mrs. Graves' class). There was a lot of excitement around the house this morning as they gathered their things for the first day of school.

I took care of a lot of correspondence during the first part of the morning. Among other things, I wrote to UCLA Chancellor Franklin Murphy to let him know that I have given a lot of thought to his suggestion that we should move to bring the School of Law back into the Academic Senate and have decided that I will support him in this effort.

I read a copy of a letter from John Gofman to the Patent Compensation Board regarding his and my claims regarding compensation for our work on the "invention" of U²³³. John explains that the reason that Raymond Stoughton (who holds the patent on this with the two of us) is not a co-petitioner is because substantially the largest part of the work was completed by John and me without government support before Stoughton was employed under government contract to help us in the later aspects of this work. He also requests: that I be added as co-petitioner in the action he has initiated, that the amount of the compensation sought be \$150,000 each rather than the \$100,000 he initially asked for himself, and that we be given lump sum payments rather than periodic payments (for tax reasons).

John also sent me a copy of a letter he wrote to Ray Stoughton (who is now at Oak Ridge) explaining the reasons that he was not included in this action, as follows:

"For some time I have wondered about whether the graduate thesis research on U^{233} that I did with Glenn Seaborg prior to the government contract in 1941 should have rightfully been assigned to the government. As you will recall we had already proved the existence of Pa^{233} and that U^{233} must be long-lived in 1940 and up through the summer of 1941. Then in the fall of 1941 you joined us, we bombarded a large sample of thorium, and isolated a large enough sample to measure accurately the U^{233} half-life and fission properties. As I understand government policy, they won't compensate for work done under government auspices so there is not point in trying for compensation for such work. Therefore he and I are submitting an application for compensation for the non-government supported work to the Patent Compensation Board of the A.E.C."

At 11 a.m. Alex Sherriffs and I got together to talk about plans for student activities for next semester and also about what we expect may be some of the issues between students and the administration. Sherriffs told me that the Survey Research Committee has come up with the results of the study on cheating, which are very disturbing. We also went over the report of the committee to recommend implementation of the Kerr Directives in some detail. Members of this committee included Ray Bressler, Frank Kidner, Ronald Walpole and Eric Bellquist (Chairman).

At noon I presided over a meeting of the full Chancellor's Cabinet. Actually, it is a bit more-than-full since we are at the "changing-of-the guard" stage. Present were Chernin, Dupree, Fretter, Kragen, Leopold, Malloy, Mauchlan, Sherriffs and Wilkes.

A large part of our meeting was devoted to discussion of the report of the committee on the Kerr Directives.

We also talked about the survey on cheating and agreed that a special committee should be appointed to study this. Sherriffs will draft a letter to the Academic Senate suggesting that they appoint such a committee.

Kragen announced that Adlai Stevenson will talk on campus later this month; we agreed that he should get the same "treatment" as Nelson Rockefeller.

Adrian also said that the following suggestions have been made to him regarding the "working group" to review the campus personnel program: Art Ross, Lincoln Constance, a nonacademic person (Norman Mundell, Forrest Tregear or someone from the Bureau of Public Administration) and Fritz Mosier.

After the Cabinet meeting, I got together with Margaret McConnell to go over some of her writing assignments and to review matters pending for the first CAAC meeting of the semester.

Beginning at about 4 p.m. I had quite a long telephone conversation with Clark Kerr. He agreed that it would be all right to offer Gilbert Lee a salary of \$20,000 for the Business and Finance Officer job. I asked him if I could tell Lee that I am going to recommend him to Kerr and the Regents, which he said I could, but that I should remain silent on the question of whether we can offer him the title of Vice Chancellor.

I informed him of the plans for the meeting in New York on November 15th to try to raise funds for the Lawrence Hall of Science, which he thinks sounds

good. His response to the disappointing news that James Black will not be able to help us with our fundraising was the suggestion that Don McLaughlin might fill this role. Although, needless to say, I am not over-enthused by this idea, I didn't tell Clark so, simply saying that that might be okay and I think we should feel Ed Pauley out on the idea before suggesting it to McLaughlin. I told him that I am not too worried about support for the Lawrence Memorial project. We may have \$3 million from the NSF and \$1 million from the AEC. Kerr suggested that we might be able to use a fourth year of state funds. If that is so, then we wouldn't have to worry about the fundraising except for some personal gifts.

I mentioned the "From the Chancellor's Desk" newsletter we are preparing. He said he sees no conflict between this and the newsletter project the statewide people are putting together.

I told him that Lee Back and I had discussed the Computer Center situation and that Back had given me ideas on what we should be doing there, which I incorporated into my memo to him (Kerr) suggesting that we should put more emphasis on development in this field.

We discussed Franklin Murphy's inquiry about getting the Law School back into the Academic Senate. I told Clark that I have written Murphy that the Berkeley campus administration will support him on this. I feel that the Berkeley Law School might come back in if promotion and appointment committees could have at least three men from the Law School on them.

I told Kerr that I am sorry that I cannot attend the September 19th meeting of presidents and chancellors of the AAUW since it falls right in the middle of the PSAC meeting at which I will present the report of my Panel on Basic Research and Graduate Education.

Before leaving for the day, I wrote to Gilbert Lee to let him know that we are going to present his name as our choice for the Berkeley campus Business & Finance Officer at the September Regents Meeting and hope to be writing him soon thereafter with a definite offer.

We celebrated Lynne's 13th birthday with a cake after dinner tonight.

Wednesday, September 7, 1960- Washington, D.C.

I was picked up by a University driver this morning at 7 a.m. He took me to the San Francisco Airport, where I boarded TWA Flight #64 to Washington, D.C.

With my permission, a number of letters will be sent out under my name today without waiting for my signature. Among these were letters to Adlai Stevenson and Nelson Rockefeller expressing my pleasure that they plan to visit the Berkeley campus this month to speak to our students about the national election campaigns; to Alan Waterman of the National Science Foundation thanking the Foundation for the grant of \$627,500 for Melvin Calvin's Laboratory; and to Arthur Sherry (Acting Dean of the School of Criminology), L. C. Merritt (Acting Chairman of the Department of Librarianship), Howel Williams (Chairman of the Budget Committee) and G. B. Bodman (Acting Dean of the College of Agriculture) inviting them to join the Chancellor's Advisory Administrative Council.

Before leaving on this trip, I also authorized Starker Leopold to send a letter to Clifford Keene (Kaiser Foundation) appointing the following people to our committee to explore further collaboration between the Berkeley campus and Kaiser: Hardin B. Jones (Anatomy and Physiology), C. Willet Asling (Anatomy and Physiology), Sanford S. Elberg (Bacteriology), Richard M. Eakin (Zoology), Edward S. Rogers (Public Health) and Theodore R. Sarbin (Psychology). Since this makes six members on the committee from the University and Kaiser has only appointed five thusfar, I invited them to add an additional member to the committee.

I also asked Adrian Kragen to send a memo to Pete Newell in my name suggesting that Eric Bellquist be the first faculty guest of the football coach and team, for the upcoming Tulane game.

The plane got into Washington at 4:20 p.m. I caught a cab to the Statler-Hilton Hotel, checked into my room there and freshened up before having a bite to eat in the coffee shop and then returned to my room to get a good night's sleep.

Thursday, September 8, 1960- Washington, D.C.

Today was my first meeting as a new member of the National Science Board. I have been appointed a member of the following committees: Scientific Personnel and Education Committee (standing committee), Committee on Government Responsibility for Renovation and Reconstruction of Laboratories (ad hoc committee) and Committee on the Organization of the Government for Science and Technology (ad hoc committee). I made notes of the following increases in funds available which are of particular interest to us at the Berkeley campus:

- 1) The National Institutes of Health is going to create 100 professorships throughout the United States. They will be set up for five-year periods, but will probably continue beyond that.
- 2) NSF is going to instigate a policy of paying the faculty salaries of principal investigators.
- 3) NSF is also going to be giving more money in travel grants. (This should be kept in mind. The Social Science Council should avail itself of these funds.)
- 4) The overhead for NSF contracts is going to be better. (The Miller Institute should take notice of this.)

When I returned to my hotel in the late afternoon, I discovered that Bob Kreidler had had a final draft of our PSAC Panel report delivered there for me.

At 6:30 p.m. I attended a dinner for National Science Board members at the Hotel Dupont Plaza. After the dinner the standing committees met; I joined the Scientific Personnel and Education Committee meeting.

Friday, September 9, 1960 - Washington, D.C. - New York

The National Science Board meeting continued today. We adjourned at 4 p.m. and I went directly to the airport, having brought my bag with me from the Statler Hilton Hotel this morning after checking out. At the airport I boarded American Airlines Flight #288, which departed at 6:15 p.m. and arrived in New York at 7:30 p.m.

I took an airport limo from the airport to the Hotel New Yorker (on 34th Street at 8th Avenue), checked into my room and then went out for a bite to eat. The American Chemical Society meeting does not begin until the Sunday evening, with the reception and formal opening on Monday, but I decided that I would prefer to enjoy the free time provided by my schedule (tomorrow and most of Sunday) in New York instead of Washington. There are lots of opportunities for me to visit Washington (for PSAC meetings, NSB meetings, etc.) and less chances to explore New York.

Saturday, September 10, 1960 - New York

I spent part of the day in my hotel room, reading over the draft of our PSAC Panel report (on which Mac Bundy has really done a superior job) and catching up on some scientific reading.

I also walked around this general area of Manhattan. It is a fascinating neighborhood, with New York's famous ethnic diversity. I enjoyed strolling through the theatre district and looking in shop windows. However, I certainly would never consider living in Manhattan; I much prefer the slower pace of California and the open space we still enjoy there. This is also no place to raise children, in my opinion.

Sunday, September 11, 1960 - New York

Today was much like yesterday, although even in New York Sundays are a little bit quieter than other days of the week. I lunched at my hotel with Jim Pitts and Jim Cobble. During the afternoon I ran into some of my friends from the American Chemical Society, who are arriving for the Fall National Meeting which formally begins tomorrow.

I called Helen, who told me that everything is fine at home. She enjoyed lunch with Rose Marie Shepard on Wednesday and has been otherwise busy as usual, taking Pete to the orthodontist and to get his allergy shot, etc.

A Special Delivery Letter arrived from Tom Cunningham, who has recently been assigned additional responsibilities for gifts and endowments. Cunningham poses some distressing questions about the Lawrence Hall of Science (toward which he does not at present seem to have a very positive attitude, to say the least):

"The basic question is simply this: once the Hall of Science is in operation, just what will its specific program be? I wonder how we can design and build a facility without knowing in detail what the Hall of Science will do.

Corollary to this question are several other fundamental points that bother me:

I. Unless an endowment is provided, how can we guarantee that the operation of the Hall of Science will be financed without having to call upon The Regents for support each year?

II. Both Mr. Viales and Dr. White have spoken of the museum part of the Hall of Science. What percentage of the square footage in the building will be used for the museum phase (including all display space), and what percentage for educational functions? Are we really building principally a museum?

III. The other day, Mr. Rice, in referring to the educational functions, spoke in terms of the State Department of Education giving a degree. I explained to him that that appeared improbable, but that I did feel that a committee of the faculty should be consulted on the courses, if any, and the credits to be given for any instruction at the Lawrence Hall of Science. What is the feeling of the faculty toward this project?

In addition to the foregoing fundamental issues, there are several questions concerning current operations of the Hall of Science that I feel need answering:

1. Can you advise me on the specific functions of the various staff members? How many are employed and what do they do? For example, why does the Hall of Science need a Business Manager at this time?

2. How, after more than a year and a half of operation, can we justify having staff members who are assigned full-time to the Hall of Science paid by the Lawrence Radiation Laboratory and then recharged to the University? And, why is half of the salary for Lionel Viales and Polly Thomas charged to Supplies and Expense instead of the standard salary account?

3. Why are travel expenses of some staff members submitted to the Lawrence Radiation Laboratory, and then billed to the University instead of being submitted directly to the University?

Let me emphasize, however, that while I consider these operational questions important, I feel that the real crux of the matter is the apparent lack of a concrete educational program as well as long-range plans for financing its operation. I would like to know what the Hall of Science will do, not what it might do. Only then will I feel the University can move ahead with a fund-raising campaign."

These seem like a lot of contrived questions posed by someone who is not philosophically attuned to the Hall's objectives, which have been discussed endlessly in meetings such as those of the Regents' Special Committee on the EOL Memorial.

Art Campbell, Bruno Zwolinski and I got together at the Hotel New Yorker at 6 p.m. to talk briefly about the CHEM Study project. I then dined at the Statler Hilton with W. O. Milligan and Wilfred Doherty of the Welch Foundation, who are here to attend the ACS meeting.

Monday, September 12, 1960

Jim Cobble and I met for breakfast in my hotel at 7:45 a.m. We then went together to the office of the U.S. Rubber Company at 1230 Avenue of the Americas, where I met with the following people to discuss the noted topics: in connection with the Air Force contract, Raymond Gunnink (Crystal Calibration), Allan W. Stoner (Dysprosium-166 Decay), Gunnink (Erbium-172 Decay), Stoner (Future Plans); in connection with U.S. Rubber research, Wendell V. Smith (Trapped Free Radicals), J. Burkus (Radiation Graft Polymers), Smith and Stoner (Radiation Damage), and Stoner (Nuclear Reactor Research). I had lunch with Ros Ewart, Wallace Cake, Lee White, Dwight Schoene and Jim Cobble.

At 2 p.m. I attended a meeting of the Board of Directors of the Nuclear Science and Engineering Corporation at the offices of Lehman Brothers on Williams Street.

I returned to my hotel, freshened up and went to meet Art Campbell and others of the CHEM Study group. Over dinner at Delmonico's we discussed the plans for trying our new text out in selected high schools this fall. I spent the night at the Hotel New Yorker once again.

Tuesday, September 13, 1960- New York and Home

A symposium is being held at the ACS meeting today in memoriam of Dave Grahame, who died of a heart attack two years ago. Dave was my research partner during graduate school and remained a good friend after he went to work at Amherst College. I had a date to breakfast with Virginia Grahame, Dave's widow, at 8 a.m. at the Statler Hilton. I have known Virginia since she and Dave first got engaged in 1936. It was good to see her and catch up on what has been going on with our families.

We went together to the New York Trade Show Building on 8th Avenue at 35th Street, where the ACS meeting is being held. The symposium in commemoration of David Grahame began at 9:30 a.m. I spoke for about 30 minutes, reminiscing about the early work Dave and I did on the scattering of fast neutrons and summarizing his subsequent career. I also showed some slides, which included one made from a photo provided by Virginia.

After the symposium I visited Bell Laboratories in Murray Hill, New Jersey, which I serve as a consultant. I talked with Bill Baker and two of my former graduate students, Paul Donovan and Walter Gibson.

My flight home (United Flight #801) left New York at 6:15 p.m. and arrived in San Francisco at 9 p.m. A University driver met me, as usual, and drove me home to Lafayette.

Helen told me that she went to a coffee party yesterday which Carol Dauben gave for her mother, Mrs. Glen Hyatt. She took Dave to Dr. Betaque to have his teeth x-rayed today.

Wednesday, September 14, 1960

I stayed at home to work this morning so that I might have the opportunity to catch up on some of the correspondence which had accumulated during my absence and in order to have Pete ride with me to the campus to hear Nelson Rockefeller speak at noon.

I wrote to Clark Kerr to share my negative reaction to the proposal that we rent the Ford Plant in Richmond, stating in no uncertain terms that we are not at all interested in renting the property and will proceed to satisfy our needs by other means in the event that the plant is not available for purchase by the University.

I read the report from Bob Underhill on negotiations regarding the purchase of the Chaparral Hill property and then responded to Kerr's request for advice by saying that I recommend purchase of the Chaparral Hill Tract for \$200,000 with the stipulation that the East Bay Municipal Utility District will not assume the cost of extension of water service to the area. I informed him that if this site is acquired, I shall at once request a Major Capital Improvement project for the site, since utilities (at an estimated cost of \$665,000) will be required before the area can be used in any way.

I wrote to Major General William C. Westmoreland (Superintendent of the Military Academy at Westpoint) to express my pleasure that he will be attending the football game between our two schools on October 1st. I also extended an invitation from our Glee Club to the Military Academy Glee Club to attend the game and make a presentation.

A note from Adrian Kragen passed on the message from Maggie Johnston (Kay Kerr's social secretary) that she had discussed with Mrs. Kerr the problem which arose because of the conflict of football lunches on the day of the Army-Cal game. Kay told Mrs. Johnston that it had been the understanding that when a University president was attending a particular game, he would entertain at the luncheon at University House. Kragen notes,

"Inasmuch as there seems to be some misunderstanding on this question and further even under this I am not sure that the Army game luncheon fitted that category, I think we should have a clear understanding with the President on exactly how these things are to be handled."

I made a note that I agree with him and that I will talk to Kerr about this matter when the opportunity to do so arises.

I sent Elmo Morgan a copy of the plan to rehabilitate the Life Sciences Building, along with my endorsement of it. I also endorsed the recommendation of the Building and Campus Development Committee that the Education-Psychology Building be named after Edward Tolman and the library in that building after Alexis F. Lange; these recommendations will now go to the Regents for approval.

I was interested to read a memo from Howel Williams (Chairman of the Budget Committee) notifying me that at its September 12th meeting the Committee voted that the faculty of the Law School should return to the Academic Senate because "such a reunion would strengthen both the Senate and the School, and therefore should be welcomed." Williams' memo continues:

"The Budget Committee also believes, in view of the rather distinctive character of the School of Law vis-a-vis other departments on the campus, that it would be proper for the School to be represented on promotion- and appointment-committees involving its own staff by three of the five members, rather than by the two customarily allotted to other departments in appraising their staffs.

The Budget Committee also takes this opportunity to re-affirm the view it expressed to you on December 8, 1958, namely, that the case for a modified salary scale for the School of Law seems valid."

Kerr wrote to me and to UCLA Chancellor Murphy to spell out the following internal (not for publication) policy regarding discrimination in athletics:

"It is the policy of the University of California that athletic events in which teams or athletes representing the several campuses of the University of California will participate shall not be regularly scheduled with any educational institution:

a) Which restricts participation by members of its student body in its athletic activities on a basis of race, religion or national origin,

b) Which refuses to allow any athlete representing a campus of the University of California to participate in any such athletic event because of the race, religion or national origin of such athlete,

c) When such participation would require that any athlete representing a campus of the University of California must be housed, in the place where such event is to be played, separately from other athletes representing such campus of the University of California because of the race, religion or national origin of such athlete."

Kitty Malloy wrote me a note to let me know that Kerr has talked with Gloria Copeland about the possibility of trouble at the USC game between Bates and the McKeever boys (as a result of the incident at the game last October). He suggested that I should call Norman Topping before the game to discuss this. I will ask Pete Newell to ask Marv Levy to give our boys a "talking to" and to warn them against any unsportsmanlike conduct. I will suggest that Topping instruct his people to do the same.

I read an interesting letter from Bill Freeman addressed to Art Campbell and me, which outlined a proposal whereby our CHEM Study text might be published by us with a cooperative arrangement with a publisher as a sort of "sub-contractor". I think he presents a very interesting idea here.

A report from Archibald Mull (Fund Executive Committee for the Earl Warren Legal Center) discloses that they have received cash and pledges in the amount of \$167,753 thusfar, representing 312 gifts at an average of \$537. They have spent \$54,000 on the campaign and wish to spend \$18,750 to carry them through the end of the year.

At 10:30 a.m. I received a telephone call at home from George Kistiakowsky, who told me that John Heller called him to say that he was not responsible for the part of Nixon's report ("Science Revolution") which separates research institutes from universities. Kisty will send copies of the revised Panel report to Nixon, John Gardner and Bundy's brother Bill and will give a copy to Heller when he sees him on Friday.

Kisty also mentioned the letter from Ernest Engelbert (UC Extension) asking him to speak at the conference in Carmel in early October. He can't fit this into his schedule, but will ask Kreidler if he would like to do so. I said I will let Engelbert know.

Rockefeller gave a speech in Dwinelle Plaza about liberty, freedom, protection of the individual's rights and how the Republican Party and Richard Nixon would uphold these policies. He emphasized the danger of the Communist ideology. He said that he disagreed with their concept of the individual "as a tool of the state with no human dignity, and the loss of the capacity for independent thought and spiritual realization". He advocated the joining of countries in larger entities to protect the freedom of the individual to develop intellectually, spiritually and materially. He said that the biggest problem facing the U.S. is the "need for excellent leadership", that the major problem lies in the international challenge "for freedom to be everywhere in the world".



Peter Seaborg (foreground) at Nelson Rockefeller's speech in Dwinelle Plaza
September 14, 1960

He answered questions from the audience following his speech. He outlined the differences between Democrats and Republicans, saying that they are different because of their quest for civil rights. When asked on the activities of the House Committee on Un-American Activities, he answered "Americans must face the fact there is subversion in the United States, and that there is a place for this kind of committee." Segments of the audience boomed at this remark,

but he commented that there were times that the kind of investigation of the committee was not good.

On Red China, he said that some kind of recognition must be made of Red China activities in Tibet, Laos and Vietnam.

At 1:30 p.m. I met with Donald Cooksey, Lee McLean, Harvey White, Dan Wilkes and Starker Leopold to discuss the progress of the Lawrence Hall of Science fundraising efforts. The following people were suggested as possibilities for the chairman of the fundraising committee: Ed Pauley, Don McLaughlin, Ed Carter and Robert Gordon Sproul. We agreed that Pauley would be our first choice. I reported that it looks hopeful that our application to the NSF will get funded since NSF officers have responded positively to the outline of the proposal. I also mentioned that all of the speakers have been lined up for the meeting in New York on November 15th. I stated the purpose of the meeting will be simply to "introduce" the University of California on the East Coast and that fundraising will follow later.

At 2:30 p.m. I met with Ernest Starkman (Mechanical Engineering), whom we are considering for Admissions Officer for the Berkeley campus. He is an interesting fellow. We began by mutually exploring each other's attitudes--I told him a little about the philosophy we want in the job, mentioning the cold reception students are getting which we want changed. I asserted that this is not an inevitable result of the University's growing bigger. We need to make sure our procedures are not overlooking the need for close touch with students. I mentioned the conditional acceptance problem and also Kidner's plan for seven semesters, with which he said he would go along.

He asked what the duties of the statewide Admissions Officer would be; I responded that it would be making policy. He wondered what the man would be doing the rest of the time since when it comes to the question of direction of students to different campuses, this is at least five years away.

Starkman said that he would only consider an interim appointment, not to last too long, since he is going on sabbatical in three years. I told him that I see nothing wrong with that, off the cuff. He asked whether he would have an academic assistant to help now and take his place when he leaves; I said I don't think so and that, after all, he would be taking the job on "cold", that perhaps his successor would come from the Advisory Committee.

We discussed briefly his wish to continue his academic work while doing this administrative work, which we agreed is desirable. He would like an arrangement of 2/3 Admissions Officer and 1/3 professorship, continuing to do some teaching. We also discussed the question of an appropriate salary and whether he might continue this consulting work (which amounts to about 12 days per year), to which I responded that I see no reason why not.

Beginning at 3 p.m. I presided over a meeting of the Campus Planning Committee. Present were members Louis DeMonte, Sanford Elberg and William Wurster, a number of invited architects for particular agenda items, and from my office, Adrian Kragen and Ed Strong. (Al Wagner served as secretary, as usual.) Because of the speech by Governor Nelson Rockefeller this afternoon, Kragen and I could only stay for the first three items on the agenda: scheduling of meetings for the remainder of the year, review of the schematic plans for Chemistry Unit #2 (for which we enthusiastically recommend approval), and review of the schematic plans for the Environmental Design Building (which looked very good to us).

Today's Oakland Tribune contained an announcement of the Rockefeller and Adlai Stevenson speeches and the information that we have also invited Vice President Nixon and Senator Kennedy to speak on the campus, along with the following quote from me regarding what they refer to as "the abolishment of the Kerr ruling", and what I referred to as the liberalization of the rules to allow political speakers on campus,

"[it] is in keeping with the role of the university as a marketplace for ideas. We believe it will provide a valuable live supplement to the study of our democratic institutions."

I do hope that Kerr is not offended by the Tribune's sloppy reporting of my comments.

Helen told me that she took Pete, Lynne, Dave, Steve and Eric to the doctor's office to have blood counts taken today.

Thursday, September 15, 1960

When I arrived at my Chancellor's Office this morning, I took care of some correspondence. A letter from Howel Williams (Chairman of the Budget Committee) commenting on the letter from Reinhard Bendix to Lincoln Constance regarding the proper recommendation of "distinguished achievement" and the creation of "Distinguished Professorships" gives such an effective summary of some of the problems of recognizing the outstanding quality of our faculty that I think it is worth quoting here:

"The Budget Committee shares fully the view of Chairman Bendix that 'extraordinary achievement' by members of the faculty should be rewarded and is pleased to learn of the outstanding position won by the Department of Sociology and Social Institutions through the distinction of its members. It does not believe, however, that creation of a new category of 'Distinguished Professors' is a desirable means of rewarding unusual merit. Creation of such a title conjures invidious comparisons, and involves the practical difficulty of evaluating degrees of distinction.

Fortunately for the University, the Department of Sociology and Social Institutions shares with many other departments a high reputation based on the quality of its staff. This being so, the number of 'Distinguished Professors' would be embarrassingly large! And if all above-scale members of the faculty were accorded the title, its significance would be correspondingly diminished!

Each year, the Budget Committee and the appropriate administrative authorities are faced with the difficult problem of above-scale salaries. And each year, as an increasing proportion of the faculty reaches the top of the scale, the difficulty grows. It is no longer true, therefore, if indeed it ever was, that seniority rather than outstanding achievement determines above-scale increases in salary. After a three-year interval, each member of the faculty who is above-scale is considered for a merit-increase; but always far more are called than are chosen. And the criteria used by the Budget Committee in its attempt to make wise recommendations are precisely those used in recommendations concerning

faculty members below the top of the scale, namely, the four criteria considered by all members of promotion committees on the campus, teaching, research, professional competence, and University and public service."

I agree with Williams' assessment of Bendix's suggestion.

I signed a note to Pete Newell nominating Nello Pace and Raymond Sontag as the faculty guests for the Cal-Army football game. A note from Adrian Kragen informs me that football player Roland Lasher has been declared eligible to play. Pete Newell has informed UCLA and USC that we are not willing to play in the L.A. Invitational Basketball tourney unless our Straw Hat Band is allowed to enter the pavilion and play as usual. We are willing to pay admission for them, but Pete believes that we should not participate on other terms. He intends to stand on this unless I disagree; I support his stand.

At 11:15 a.m. I met in the President's Office at University Hall with IBM representatives R. L. Kocher (Branch Manager of the Oakland Office), T. W. Cummins (sales representative to the University), W. J. Stevenson (Marketing Manager, Western Region) and Ray Kettler and Clark Kerr. The IBM men were concerned with the large program they are supporting at the University of California. It is 10% of their national effort and they are concerned that it may need better coordination between the campuses. I reminded Kerr of my memo of September 1st to assess where we are going with computer science development. They even alluded to the possibility of our getting something like a huge "stretch" computer some four or five years hence; however, there could only be one for the University of California, which would serve our campus, the Davis campus and the UCSF Medical School. In short, there is a need for an overall plan.

After the IBM men left, the three of us (Kettler, Kerr and I) agreed that we need better coordination. I again referred to my memo, but said that I doubt that this should be done by a University-wide committee, because that might create demands that are not realistic. We decided that Kettler should call me and Franklin Murphy (or his representative, Foster Sherwood) to try to get together to make plans.

We also talked about the above-scale salary situation and my feeling that there should be continuous steps in progression. Kerr doesn't think it would work because of the other campuses. However, he did instruct Kettler to come up with a procedure or policy so that the step from Professor III to one-over-maximum receives a larger increment. I got the impression that the word has not got to Kerr about some of our discussions on this matter. However, I also got the impression that Kerr and Wellman have been talking. Kerr still thinks that it should be the exception to go from Professor III to over-maximum at all; yet I came away with the feeling that he feels that there could be a more or less regular progression once a person is into the over-maximum stage. I also feel that he is not worried that Berkeley has gone overboard.

Kerr had an appointment with ASUC President George Link at noon, for which he asked me to stay. Link explained in detail the history of the NSA resolution. He said that in the course of watering down the original resolution, he felt compelled to vote for the compromise. He then gave Kerr a complete written account of the meeting and while I was there Kerr asked a girl to have it thermofaxed so that they could send me a copy.

Link said that he still disagrees with the point of the directive which forbids the Executive Committee to take stands, but that he understands Kerr's point of view. In the course of the conversation, Kerr brought out a suggested change which removed CCCO authority to make exceptions and introduced the idea of a disclaimer so that Ex Com could take stands.

Link also mentioned that Forrest Tregoe has been suggested as a possible person for Director of the ASUC and that the students like him. I said we would think about it.

After Link left, I stayed on for a few minutes to talk privately with Kerr about a couple of misunderstandings. I explained that the Oakland Tribune article yesterday that referred to "the abolishment of the Kerr ruling" in connection with a quote from me was in error. He was very nice about it, saying he understood and commenting that "you can't win them all".

We also discussed the relationship between Statewide and the Berkeley campus. In the course of it, I explored the confusion about the Army football lunch, about which he hadn't heard a thing. I told him frankly that our people got a little mad when Maggie Johnston called Helen and told her that "This is the way it is going to be." He was surprised by this behavior from such a "nice, sweet gal"- so I told him a few things. The deal to which we agreed is that Kerr will host the lunch for the Stanford and UCLA games and any other game about which he informs us in plenty of time. What we want clearly understood is that we need enough notice. He said he will talk with Kay about this and about improving our relations generally.

In the hall on my way out of University Hall I saw Jack Oswald who said that he is working on the idea of a disclaimer so that the ASUC Ex Com could take stands. He hopes to clear it this afternoon and will send a messenger up to the campus to deliver a copy to me when it is approved.

When I went to lunch at the Faculty Club, I saw Cliff Dochterman and so we ate together. He agreed that he had not told either me or my office about the forum for students on September 29th. I told him this is not a good date because of the University Meeting on that date and we agreed (more or less) that it might be held on the afternoon of the 27th. He will firm this up with Alex Sherriffs. I told him that I will keep from 2 p.m. to 4 p.m. open on my calendar for this purpose.

At 1:30 p.m. I met with Garff Wilson in my office to talk about the report on the All-University weekend. I agreed to the modifications proposed, i.e., Berkeley plays host, if we want a rally we may have one, etc. He said that Kerr was anxious to get my support on this. Garff plaintively said that he would like to get into something connected with athletics, expressing the feeling that he has been typecast in Public Ceremonies.

Lincoln Constance and I held our first meeting of the new academic year at 2 p.m. We talked about the controversy which has arisen as a result of the transfer of David Rynin from the Speech Department to the Philosophy Department--Rynin feels that the courses which he taught in Speech should remain "his". We decided to leave it to the College of Letters and Science Course Committee to decide, recognizing that it may ultimately end up with the Academic Senate Committee on Courses.

Constance told me that Charles Aikin (Political Science) has requested the use of \$8,000 in "grant related" salary savings to finance the Graduate Honors-Distinguished Visitors Program for 1960-61. I said that I am willing to approve this for this year only, emphasizing that use of salary savings will be approved only on a year-to-year basis and that I am not at all sure that it will be feasible after 1960-61.

Charles Hulten (Journalism) has asked for some summer compensation, presumably in the form of an 11-month chairmanship, in view of the various public services the Department's chairman is asked to perform throughout the year. We agreed that this could not be supported on the usual arguments for an 11-month chairmanship, but the same kind of an extra compensatory stipend would not be unreasonable, if we can find a source for it.

At 3 p.m. I met with Richard H. Waters. It was a very confusing conference and I can't quite determine whether Waters is completely rational. He demanded action by the University. He believes that the University owes him a Ph.D. because of the poor way, as he puts it, that his Ph.D. examination was conducted. He also claimed that the University owes him a research position and research facilities and that it is within my power to demand that some department give him such a position. On the other hand, he said he wouldn't want to do this if it would lead to hard feelings; it would have to be done in a manner whereby he could be acceptable. These were essentially contradictory statements.

As a minimum, he wanted me to convey to the Department of Mathematics his feeling that he was not examined on the list of subject that he was specifically asked to study. He said that no part of the examination was on these subjects.

I told him that we cannot give him a Ph.D. since he has not met the requirements and that I am certainly not in a position to place him with some department of the University and will not do so. He left in a high emotional state and said that we haven't heard the last of him, that he is going to carry this to its logical conclusion or at least pursue it to the maximum extent possible. I couldn't make out what he intends to do next. I would say that the Mathematics Department should be informed about the general content of this interview, perhaps in a brief memorandum to the Chairman.

Helen told me that she attended a meeting of the Foreign Student Hospitality Committee at International House this morning and then went to a meeting of her neighborhood book review club, "The Aggravated Gropers".

Friday, September 16, 1960

Instruction for the Fall Semester begins on Monday. Errol Mauchlan shared with me the developing figures for registration of students, which seem to indicate that we may go over our budget estimate of 21,500 students. Mauchlan's note says that, despite what was reported in today's Daily Cal, to-date registration of 20,454 students compares with 18,744 for registration to the same date last year- an increase of 9%. Mauchlan elaborated:

"The 18,744 figure for last Fall increased by almost 1,200 to 19,937 by the time the final count was taken. Any similar increase this Fall will take us over our budget estimate of 21,500.

It is of course too early to place reliance on the apparent trends but for what they are worth, the present registrations show the following % gains over the figures for the same period last year:

Undergraduate-	6.7%
Graduate-	14.6%
Total-	8.9%

The figure for graduates includes a 21.4% increase in new graduates: it is an interesting reflection on the reliance one can place on the figures at this time that on the first day the figure for new graduates indicated no increase over last Fall.

This may be the beginning surge of the tidal wave. Freshmen are up 9.2%, making the total increase for new students 12.7%."

I wrote to Reinhard Bendix thanking him for the interest displayed by his suggestion of the establishment of "Distinguished Professorships" and giving the reasons why I think this is not practical (many of which were borrowed from Howel Williams thoughtful letter).

I signed a letter to Tom Cunningham in response to his letter questioning the plans and funding for the Lawrence Hall of Science. In the letter I noted that Harvey White is committed to answering his queries about the plans for the future program of the facility and the plans for staff organization to develop and carry the program and that I am addressing only the question of plans for financing the construction and operation of the Hall of Science. Present and potential sources of financial support for the construction of the building and installation of facilities were outlined as follows:

"1. Regents funds from science contract overhead, already earmarked.....	\$6,000,000
2. Application to the National Science Foundation, filed June 30, 1960, and apparently well received though decision is still pending.....	3,000,000
3. Application to Atomic Energy Commission to finance the display on nuclear science (in preparation, not yet submitted).....	1,000,000
4. Fund drive for industrial and private support of displays and installations, other than nuclear, that will form the basis of the educational program.....	<u>3,000,000</u>
Total	\$13,000,000"

The memo goes on to clarify the effect of these plans:

"Manifestly, it is the last item on this list, namely the three million that we hope to raise by subscription, that is of paramount concern to you. As you know, we are planning a dinner in New York on November 15, 1960 to initiate this drive, and we are hopeful of its success. But the

project will not fail or succeed on the basis of any given sum raised. Rather, the more we raise the better job we can do in developing the educational program. But the portents for obtaining one or both of the federal grants are so favorable, that we feel reasonably assured of enough support to build the facility and put it into operation. It is rather a question now of how complete and outstanding the facility will be. With the full thirteen million we are confident that we can put into operation the best hall of science in the world. With less money we will have to settle for something a little less complete."

Unfortunately, I received today another letter from Tom Cunningham in a similar vein regarding the Earl Warren Legal Center campaign. Cunningham notes the exorbitant cost of \$54,000 to raise \$167,753 in cash and pledges (only \$46,029.88 of which has been received to date). He suggests that the Boalt Hall Alumni Association terminate its relationship with the professional fundraising bureau which has been charging the University \$3,500 per month for the campaign and hire a fundraising person on University payroll. He stated that he is "forced to the conclusion" that:

"the \$1,000,000 is unrealistic for the foreseeable future and not even the \$350,000 to match funds from The Regents seems to be assured."

Cunningham then goes on to give a list of recommendations (7 points) which sound more like instructions. We will have to respond promptly to these "recommendations" and the implied criticisms since he will be discussing these at the September Regents Meeting.

I signed a letter to Larry Blake's operation demanding payment of the promissory note for \$2,500 dated June 1, 1956 and of the second promissory note for \$150 dated March 22, 1957, both of which were due one year from the date of the execution of the notes. These loans were in connection with the loans Emilio Segrè and I made to Larry Blake to finance his salad dressing venture, which failed.

At 12:15 p.m. I walked over to the new Dining Commons, where I attended the luncheon of the California Alumni Association. President Jim Archer introduced me and I spoke on the admissions program under the Master Plan. I began by assuring the group at the start,

"There is no danger of the University becoming a campus of Phi Beta Kappas, minus football, basketball, or any of the athletic activities that lend spice to academic life."

I went on to explain that the only new factor in admissions affecting enrollment for the first semester of 1960-61 is the Scholastic Aptitude Test of the College Entrance Examination Board, which was authorized by the Academic Senate last year as a requirement for use on an experimental basis. I noted that a study will be made of its potential value in improving our admissions procedures and that the test will be used not to supersede any present requirements but to help in evaluating them. I said that eventually it may be incorporated as a supplementary criterion for admission.

Regarding the new policy in relation to limitation of enrollments on various campuses and predictions for growth in enrollment, I stated,

"Berkeley and Los Angeles are held to 27,500 students; Davis and Santa Barbara to 15,000 and Riverside to 10,000. The question is--when?"

There is little doubt that, barring some unforeseen circumstance, we have already seen our last enrollment under 20,000. In September 1959, we welcomed to the Berkeley campus the first of the 1942 "war babies". Each year enrollment figures are expected to swell as the balance of World War II's baby crop comes to college age. The post-war population boom was even bigger.

By 1964 the number of post-war babies graduating from high school will be 19% greater than the preceding years and 32% greater than this year. At this rate we expect to reach our 27,500 limitation in 1965 or 1966."

I then presented a brief summary of plans under consideration for the direction of students to particular campuses, an outline of the duties of the campus admissions units under the decentralization plan and of the responsibilities of the new statewide admissions office, emphasizing that all of these are still being worked out. I concluded by praising the Alumni Association's scholarship program.

At 2:30 p.m. I received a call from Harry Wellman, who wanted to know if I planned to go to the film at the Alumni Council. I said I do and would be there to answer questions. He breathed a sigh of relief. This call gave me an occasion to bring up the problem with fire protection on the Berkeley campus, which he suggested we discuss with Corley at the Regents Meeting.

I then called Tom Cunningham, who said that he thinks my letter of yesterday's date about the Lawrence Hall of Science answered his questions very well. I told him that we are in the process of answering his questions about the Earl Warren Legal Center campaign now.

He mentioned that there is some jealousy among the Regents concerning luncheons of the type Sullivan, Naffziger and McLaughlin have been giving (like the one at which I spoke) and that they probably will be discontinued.

He also said that Gould and Murphy are planning to create advisory gifts and endowments committees and asked if I would like to do the same. I didn't respond right away; I would like to wait until the situation regarding the Berkeley gifts and endowments is clarified.

In the evening I went to the Big C Society dinner at the Claremont Country Club. This afternoon we hosted a swim party for cub scouts at the pool we share with the Perlman's.

Saturday, September 17, 1960

The California Newspaper Publishers Association workshop began at 9 a.m. this morning at Stephens Union. I arrived at the campus in time to greet representatives from the State Assembly and Senate who are attending the workshop at 11 a.m. at the Union and then walk with them to the Faculty Club, where they were served a glass of sherry prior to the luncheon there. We had invited a large number of local legislators; unfortunately only a couple came.

The newspaper editors arrived at the Faculty Club at about 11:45 a.m. After the luncheon I spoke generally about the challenges facing the Berkeley campus (acute housing shortage) and the University as a whole (future growth, limitation on enrollment on each campus, etc.) and then went on to emphasize the challenge of the new "Computer Age".

We finished up promptly as scheduled at 1 p.m. so that there would be sufficient time to walk up to Memorial Stadium for the Cal-Tulane football game. Special guests at the game included Vice Admiral F. N. Kivette (Navy Commander of the Western Sea Frontier and Commander of the Pacific Reserve Fleet at Treasure Island) and his wife, and Vice Admiral C. L. Melson (Navy Commander of the First Fleet) and his wife. Tulane defeated the Bears, 7-3. Happily, the anticipated pickets didn't show up.

After the game Helen and I dropped by Tellefsen Hall on Prospect briefly for the dedication ceremonies; Arleigh Williams was the guest speaker there.

We then walked down to the campus, picked up our car and drove to Dick Erickson's home at 68 Stratford Road, Berkeley, to attend the reception he and his wife hosted for people attending the Statewide Alumni Conference, which has become something of a tradition.

Sunday, September 18, 1960- Washington, D.C.

A University driver picked me up at my home at 6:45 a.m. and drove me to the San Francisco Airport, where I boarded the 8:15 a.m. TWA flight (#64) to Washington, D.C.

Enroute I read a copy of the letter that Harvey White sent to Tom Cunningham attempting to answer his reservations about the plans for the Lawrence Hall of Science. Harvey did a beautiful job of answering Cunningham's questions and did so in a well-documented and definitive way.

The flight arrived at 4:20 p.m. I rode by airport limo to downtown and checked into the Statler Hilton, where I will spend the next two nights.

After an early dinner, I returned to my room and continued reading some of the papers I had brought with me.

I read the minutes of the Cabinet Meeting which I missed this past Tuesday. They went through an extremely long list of "unfinished business", as might be expected at the beginning of a new academic year. Among other things, they discussed the policy regarding picketing on campus in anticipation of possible action at the Tulane game yesterday (which, thankfully, did not come to pass).

Monday, September 19, 1960- Washington, D.C.

Our PSAC meeting began this morning with a discussion of the life sciences programs of the Departments of Agriculture and Defense. This was followed by an Executive Session both before and after our lunch break.

I spent the night at the Statler Hilton again.

Tuesday, September 20, 1960- Washington, D.C. and Home

We (PSAC) began this morning by listening to a presentation from Pete Scoville about intelligence operations.

We then heard very brief reports from each of the panels, during which I was pleased to report the progress on our Basic Research and Graduate Education report.

After lunch there was a discussion with Hugh Dryden about NASA's long-range plans and about the PSAC Space Sciences Panel that I was forced to miss. I had to leave in order to catch my plane home, which left Washington at 3 p.m. and arrived in San Francisco at 7 p.m., thanks to the fact that I flew a fast jet. As usual, a University driver met me with a pile of papers at the airport and drove me home.

Helen told me that she hosted a meeting of Section Club members who were addressing envelopes at University House yesterday.

Wednesday, September 21, 1960- Berkeley- Los Angeles

I buckled down to some Chancellor's Office paperwork this morning at home, trying to accomplish as much as I could before the University driver picked me up at 10:45 a.m.

I signed a memo, drafted by Ed Strong, to Acting Chairman of the Department of Psychology C. W. Brown informing him of the recommendations of the special study committee on the Department of Psychology and of my decision to implement those recommendations, particularly the decision not to "fission" the Department. The memo quotes very extensively from the report of the committee, including the following disturbing sketch of the situation:

"The situation is a complex one and can easily be overdrawn in terms of either oversimplification or exaggeration. But, in any event, we have learned that rather deep-seated attitudes prevail, and that numerous and long department meetings have been held during the past year or two to discuss the issues but with little constructive outcome. The departmental decision-making structure has become so complicated and cumbersome that it is well nigh impossible to take positive action without close to unanimous vote of all members of the department. 'Democracy' without responsibility has gone to the point where anarchistic tendencies prevail at times. If the chairman, seeing that positive action is necessary, goes forward, the faculty at a later departmental meeting may 'pull the rug out from under him.' One consequence, aside from interpersonal and intergroup struggles, has been the development of a situation where the department apparently has no clear objectives and direction. The over-all situation in the department has degenerated to a point where this situation is known in other psychology departments."

I spelled out my directives to correct this circumstance:

"Policy decisions according with the committee's recommendations have been reached, as follows:

1. The Department of Psychology will be continued as a single department within which differences or conflicts of interest are to be resolved in ways conducive to the maintenance of a well-united, balanced whole.

2. Beyond the present appointment of an acting chairman for the year 1960-61, the further appointment of the departmental chairman will be for an announced term of service, not less than three nor more than five years. Both the acting chairman and his successor are expected to be judiciously firm and positive in their administration of departmental business, within the established framework of duties and responsibilities assigned to a department chairman, and will in this have the full support of the Dean of the College of Letters and Science and of the Chancellor. Every member of the Psychology Department should appreciate the need for, and desirability of, an improved coordination enabling the Department to manage its affairs more smoothly and effectively.

3. If the action has not already been taken, the acting chairman is requested to appoint a small departmental committee, with a majority from the 'personality-clinical' group, to develop a proposal for clinical facilities in keeping with the recommendations of the special committee as reported above. The proposal of the departmental committee, along with any review made in the Department of the proposal, should be sent forward to the Dean of the College of Letters and Science and the Chancellor by the end of current semester."

I read a copy of the re-drafted letter to Bob Underhill (I had signed an earlier version) which Adrian Krage signed in my name during my absence and delivered personally yesterday. In the letter I express my distress about suggestions that the land now scheduled for the proposed Residence Hall Unit #3 might be developed commercially. This land presently belongs to the Anna Head School and I feel that we have made a commitment to them to pay sufficient money to enable them to purchase other property. Regarding the whole question of the priority of Residence Hall Unit #3, Krage wrote:

"The need for Residence Hall #3 at as reasonable a cost as possible is so urgent that I must request every consideration to maintain and even raise its priority. If we fail to progress on Unit #3, the situation on student residences at Berkeley will either force reconsideration of the Berkeley Major Construction list and further delay the relief to academic departments or force earlier limitations to the size of the campus.

In the event that funds cannot be made available to purchase the property between Telegraph and Dana, every argument should be used to delay the development of the property between Telegraph and Dana until we have 1961-62 land acquisition funds, which presumably will not be so restrictive as the 1960-61 funds, or a specific appropriation for acquisition of the Residence Hall #3 site."

Copies of the Daily Californian for the past few days provide several items of interest. One is my usual greeting to students at the beginning of the semester, which observes:

"I find it common practice, among those of us who are looking back on our own students days, to speak nostalgically of the opportunities that were open to us and of which we, for whatever reason, did not take advantage.

Even those whose academic careers were most brilliant often regret an overemphasis, or a lack of balance, or a failure to meet a test. I trust each of you will so plan your University work that you will have less occasion for such reminiscence.

Today, and for all the decade of the 60's, the demands and the challenges are not limited to the world as we have known it. Outer space is a symbol of the limitless frontiers upon which we stand.

Preparation is essential for the responsibilities that will fall on every individual in the days ahead. The opportunity for this preparation is here in your studies, your extracurricular activities, the friends you make for lifetime associations, the lessons you learn in living a full, rich life."

Yesterday's Daily Cal carried an editorial about compulsory ROTC, which some of the Chancellor's staff apparently took as a warning of the next subject of protest on campus; it stated:

"It is a shameful situation that lower division men are again returning to a compulsory ROTC program on this campus. Compulsory ROTC is the severest lapse in the record of this University as an institution of higher intellectual calibre. The failure of the University to do away with the program up to this time betokens a failure to place intellectual values and integrity above other considerations.

We have stated before, and will continue to protest until ROTC is eliminated, that the compulsory program is detrimental on this campus for three major reasons.

First, it is intellectually inferior. The ROTC curriculum is not under the direct control of the University. Students are forced to conform to restrictions and attitudes foreign to any other area of University activity and yet academically assessed and penalized on the same basis.

Second, the program interferes with the normal rights and personal liberty of undergraduate men. It forces upon them quasi-military discipline, not only during ROTC exercises but anywhere on or off campus while in uniform. It makes unreasonable and unfair demands on students' personal inclinations and uses academic blackmail and bullying to enforce them.

Third, the program is unnecessary. Two years of military training in obsolete tactics, with discarded weapons, provides neither any force of adequately trained men in case of national emergency nor any advantage to the men involved. The entire two years of training will be repeated in a few weeks when the men are drafted.

This campus has been burdened with ROTC for too long. Its power has been used to interfere in student life, politics and activities far beyond its legal sphere of influence.

It has been an affliction to thousands of serious students, robbing them of precious time for more important studies, damaging academic records for petty and picayune reasons and embittering many.

Most important, when a respected University community is our common goal, enforced attendance at a program so academically and personally unacceptable cannot help but cause undergraduate men to lose their respect for the academic standards and integrity of the institution."

Memos to the file show that rumors of a planned protest against ROTC proved false. However, these rumors did inspire a meeting yesterday between members of the campus administration (Bill Shepard and Arleigh Williams) and ROTC instructors (Andrew Blase, W. C. Meyer, V. F. Mitchell and E. J. Kraft) to discuss the problem. I will be interested to learn what was said at this meeting.

I signed a letter to Clark Kerr transmitting an application from the Berkeley campus to the National Science Foundation for an institutional grant to establish a National Science Foundation Research Fund to be used for research travel (to meetings of learned societies, other laboratories, etc.) and for research assistance (hiring graduate students to assist in library or laboratory research). The letter summarizing the need for and planned use of such a fund was signed by Errol Mauchlan because, as a member of the National Science Board now, I did not think it appropriate that I should sign the application.

I also signed a letter, drafted by Alex Sherriffs, to Arthur E. Hutson in his role of Secretary of the Northern Section of the Academic Senate, suggesting that the Senate establish a committee to investigate the nature and extent of the cheating problem on the Berkeley campus.

I received a nice note from Ted Hesburgh (Vatican representative to the IAEA) thanking me for my suggestions regarding the uses of the proposed high flux reactor, which he says he will discuss with John McCone "in hopes that it may give some long range vision to our international work of 'Atoms for Peace'."

A University driver picked me up at home at 10:45 a.m. and took me to the San Francisco Airport, where I boarded the United Airlines noon flight (#662) to Los Angeles, arriving at about 1:45 p.m.

The meeting of the Council of Chief Campus Officers began at 3 p.m. in the Chancellor's Residence at UCLA. Present were Kerr (presiding), Gould, Mrak, Murphy, Saunders, Spieth, Revelle, Wellman and I and Oswald (secretary). Also attending as guests were Regent William Forbes and, for the last part of the meeting, General Counsel Tom Cunningham.

As usual, we discussed a long list of items, so I will note only those of special interest.

Charter Day Programs 1961-62: It is the understanding now that each campus has full responsibility for the planning and organizing of its Charter Day. The statewide role is to help the campuses to secure speakers and if such speakers are proposed for honorary degrees, Kerr will seek approval of the Regents. Kerr mentioned that Prime Minister Harold Macmillan of the United Kingdom has been invited to speak at Charter Day at Berkeley next Spring, but will not commit himself this early. President Adolfo Lopez Mateos has been invited to speak at the UCLA Charter Day and might also speak at Berkeley if Macmillan declines our invitation. In the event that neither Macmillan nor Lopez can attend, we might invite Prime Minister Pedro G. Beltran of Peru. Mrak asked about the possibility of inviting Kenneth Galbraith to speak at

Davis; it was agreed that this should be deferred until a later time. Kerr suggested that Christopher Isherwood might speak at Riverside. Revelle said that Robert Gordon Sproul is being invited to La Jolla.

Decision on Voluntary vs. Compulsory ROTC: Oswald distributed a confidential memorandum prepared by Bob Brode on the ROTC matter. Kerr called particular attention to the recommendations, as follows:

- "1. That the University of California revise its regulations and contracts so that participation in the basic ROTC programs will be on a voluntary basis;
2. That the effective date for the change from compulsory to voluntary participation on each campus be determined by the President in consultation with the Chancellor;
3. That the administration of the University seek to establish an Air Force unit on the Riverside campus and a Naval unit on the La Jolla campus at the earliest opportunity;
4. That continued efforts be made to develop alternative officer education programs in line with the proposals presented in the April report of the Special Faculty Committee on the ROTC."

Suggestions for changes to the wording were made, including the introduction of an opening paragraph emphasizing the University's many contributions to national defense. Kerr went on to point out that the Academic Senate Committee on Educational Policy has approved the July 15, 1960 report of the special faculty committee on ROTC, which proposed:

- "1. That the University of California revise its regulations and contracts so that participation in the basic ROTC programs will be on a voluntary basis;
2. That continued efforts be made to develop alternate Officer Education programs in line with the April report of this committee."

Kerr asked Gould and Oswald to re-draft the Brode memorandum, as suggested, for presentation to the Regents Committee on Educational Policy tomorrow.

Presentation of the 1961-62 Budget Request at the September Meeting of the Regents: Each Regent has received a copy of the budget in advance. Kerr explained that at the meeting of the Finance Committee, he will briefly summarize the overall considerations in the budget and then will ask each CCO to spend a few moments on his individual budget, explaining to the Regents what the increases would mean to his campus. Kerr stressed that this budget request will create a tremendous problem in Sacramento because it asks for \$10 million more in support than the target figure given to the University by the State Department of Finance. He said that for this reason it is of vital importance that the Regents and top administration agree on the urgency of this budget request. His feeling is that the Legislature may develop its own budget and, therefore, legislative contacts are extremely important to the University. Wellman pointed out that enrollment figures are already running way above those on which the budget was based and, therefore, amendments to the budget are already necessary.

Under the general heading of Discussion of Proposed Student Meetings, we discussed proposed student forums, receptions for new students and the All-University weekend, comparing plans for these activities on the individual campuses.

Proposed Amendment to the Regulation on Student Government: Oswald distributed a possible release from Kerr containing an amendment to paragraph 4 of the Regulation on Student Government. The amendment would a) remove the authority of the CCO to approve a student government taking a position on an off-campus issue; b) clarify the matter of individual student officials taking positions on off-campus issues. It was agreed that the clarification should be made in the form of a letter from the President to the Chief Campus Officers and the change regarding the exception by the CCO should be accompanied by a brief statement to the effect that this is being done in light of the experience of the last year and the comments of various advisory groups. This will be discussed with the Regent Committee on Student Affairs tomorrow and will probably be released on Friday.

Proposal to Establish a Statewide Committee on Intercampus Exchange: We talked about the various proposals that have been made over the years for intercampus exchanges of students, faculty research facilities and libraries. It was agreed that study should be made of such proposals and Kerr asked that Mrak chair the special committee be appointed and that Gould, Revelle and Oswald serve.

Proposed Amendment to Regulation Four Regarding Additional Compensation from Grants: Wellman referred to the draft policy statement of August 12, 1960. This amendment would prevent individuals from receiving additional compensation from University sources for services between the first registration day of the Fall Semester and Commencement, which would return to the University's original position in this regard. All CCCO members agreed with this and it was decided that the amendment will be issued after consultation with the Academic Senate Budget Committee next month. Spieth and I raised the related question of the University paying from research grants the remaining one-third of the salary of a faculty member on sabbatical leave. It was decided that this matter should be put to General Counsel. I also brought up the question of the attitude of the University toward the recent decision of the NSF to pay portions of faculty salaries, mentioning also the plan that the NIH has to establish professorships and my feeling that other federal agencies will soon follow suit. Saunders said that he feels that the concept of federal support for research is changing so rapidly that our present regulations in this area are too rigid and often not applicable.

Meaning of University Recognition of Student Organizations: Reference was made to Regent Hansen's question about the obviously discriminatory policies of such student groups as the Newman and Hillel organizations and how this would relate to the non-discriminatory policy which must be effected by 1964. It was agreed that each campus must take steps to insure a clear cut difference between recognized student organizations (like fraternities and sororities) and non-recognized, non-supervised groups like those associated with religious groups on campus.

Decentralization of Gifts and Endowments Program: Tom Cunningham made a presentation on the Gifts and Endowments program for which he has recently taken over responsibility (as we on the Berkeley campus know all too well). He pointed out that compared with some other institutions we do not do too

well. Last year, for example, the University received \$12 million (for our student population of 43,000), compared to Stanford's \$18 million (for their 7,500 students). He suggested the development of a brochure for each campus and of aggressive fundraising programs. Kerr pointed out the importance of three areas in the decentralization process: 1) the relations of the private institutions, 2) ways and means of minimizing intercampus rivalries, and 3) assurance that acceptance will not commit the University to additional expenditure of funds. There was a great deal of discussion on how to avoid conflicts between campuses in solicitations and conflicts with private institutions. One suggestion was for the CCO to report to the President that he is about to solicit a gift. The conflict between UCLA and UCB over the Armenian chair was discussed at length.

At the dinner for the CCCO at Murphy's residence I talked briefly with Franklin Murphy. I agreed to a joint proposal giving me and Murphy complete authority as campus AAWU representatives (which was also cleared with Kerr) to be adopted by the Regents. We also agreed that bringing the Law Schools into the Academic Senate should not be effective until next Fall and that Ed Strong and Foster Sherwood should get together on the administrative stipend problem (disparity between our campuses).

Kerr was not feeling very well and seemed to get considerably worse as the day wore on. Murphy, who is a physician, tentatively diagnosed his ailment as a viral infection, which Kerr may have picked up on his recent trip in South America. He thought the symptoms might indicate something quite serious and strongly urged Kerr to go to the UCLA hospital to find out for sure what is wrong. Kerr left early and checked into the hospital.

I spent the night at the Westwood Manor Hotel. The Regents Meeting begins tomorrow and Murphy will be formally inaugurated as UCLA's new Chancellor on Friday.

Thursday, September 22, 1960 - Los Angeles

I attended the meeting of the Committee on Educational Policy, beginning at 9:30 a.m. in the UCLA Administration Building, which was followed immediately by the joint meeting of the Committee on Educational Policy and the Committee on Student Affairs. Educational Policy approved a change in the standing order to permit waiver of non-residence tuition for graduate students in professional schools, which will allow the President to remove inequities which have developed over the years.

They also gave the okay to the "disclaimer" for the amendment to the Regulation on Student Government and to Kerr's covering letter to CCO's. The cover letter, which instructs CCO's to make this clear to their students, rather than by issuing more regulations, explains:

"Questions have been raised regarding the rights of individual student officials to present their personal views on off-campus issues under the present Regulation on Student Government.

The Regulation itself, my oral comments before a number of student groups, and my written statement of May 15 setting forth my views on student rights, all clearly indicate that students are free to speak as individuals on any subject. The issue has been whether leaders of

compulsory student organizations could seek to commit their memberships in the area of opinion and belief; and if they did, whether The Regents could continue to compel membership and the payment of fees. May I make it absolutely clear, if it was not before, that student leaders in their individual capacities are in the same position as any other student in expressing their views.

Therefore, if officials of the student government or of the agencies thereof wish to take positions as individuals on off-campus issues and if such officials desire to indicate their membership on the governing boards of the student government or agency thereof, they shall take reasonable precautions to make it clear that they are expressing their own views and not purporting to represent those of the University or the members of the student government or agency thereof as a whole."

The amendment reads:

"In the light of the experience in the past year and the comments of the various advisory groups, I am amending Paragraph 4 on Page 2 of the Regulation on Student Government by the deletion of the underlined phrase:

"4. Student governments are established by the University for the purpose of conducting student affairs on the campuses. Students with widely varying political, religious and economic viewpoints give them financial support; hence it is certainly not appropriate to permit student governments to speak either for the University or for the student body with reference to the off-campus political, religious, economic, international or other issues of the time. Therefore, student governments and their subsidiary agencies may not take positions on any such off-campus issues without the express consent of the Chief Campus Officer. Any questions of jurisdiction arising under this rule shall be determined by the Chief Campus Officer or his duly designated representative.

(s) Clark Kerr"

Discussion of the ROTC issue was deferred until the October Meeting.

I attended a meeting of the Regents Committee on Faculty and Staff Relations in the Administration Building, which began at 11:15 a.m. Present were Regents Hagar, Hearst, Canaday, Carter, Forbes, Heller, Steinhart and McLaughlin and guests Regents Hansen, Mosher, Simpson and Watson, Vice Presidents Cunningham, Wellman and Morgan, Deans Sheats and Kidner, Secretary Woolman, Chancellor Gould and Assistant Vice President Oswald.

Wellman reviewed the history of the Regents' approval in October 1959 of a group life, medical and health insurance plan for University employees, a \$1.8 million budget for which was subsequently submitted to the state. The request, however, was deferred pending study of a program for all state employees, which is presently being considered by an interim committee of the legislature.

In comparing the proposed state plan and the proposed University plan, Ed Carter pointed out that the state program would provide continuing coverage for retired persons, which the University plan would not do; he suggested reconsideration of this point. After further discussion of the comparison between the two plans, it was agreed that action on this should be deferred until after the Governor's proposed plan is submitted.

It was also announced that the President will discontinue submitting to the Regents applications for leave-of-absence-without-salary that extend beyond one year.

I attended the luncheon meeting of the Committee on Endowments and Public Ceremonies in the Dining Commons. Regent Hansen wants a list of all fundraising activities on each campus before the next Regents Meeting. Regent Hearst raised the question of whether the Earl Warren Legal Center should not be named the Warren-McEnerney Center. Canaday moved and McLaughlin seconded the approval of a loan of \$34,900 to the Warren Center fundraising campaign; McLaughlin voted with them for this; Hearst against and Chandler abstaining. It was unanimously moved to advance \$5,000 to carry on until the next Regents Meeting, at which time the matter will be reconsidered on the basis of progress made. Negotiations with the American City Bureau, which had contracted to do the fundraising campaign, will be carried on under the direction of Tom Cunningham.

Beginning at 1:30 p.m., I attended a meeting of the Regents Committee on Finance. Members present included Regents Steinhart, Heller, Boyd, Hagar, Hansen, Mosher, Naffziger, Pauley and McLaughlin. Also attending were Regents Canaday, Chandler, Forbes, Simon and Watson; Vice Presidents Underhill, Cunningham, Wellman, Kettler and Morgan; Deans Kidner, Sheats and Aldrich, Secretary Woolman; Chancellors Spieth, Gould, Murphy and I; Provost Saunders, Director Revelle, Assistant Secretary Thomson, Assistant Vice President Oswald, Vice Chancellor Carter, Budget Officer Furtado and George Pettitt.

Of most interest to the Berkeley campus was their recommendation that approval be granted for purchase of the Anna Head School property and that we might apply for a federal housing loan in the amount of \$3 million in order to construct Residence Unit #3.

The resolution on the Earl Warren Legal Center was modified to read that the \$5,000 for interim continuation of fundraising activities be modified to become subject to allocation by Cunningham and me.

At 3:30 p.m. I attended the meeting of the Committee on Research Projects, composed of Regents Canaday, Naffziger and Watson. Also attending were Cunningham, Underhill, Wellman, Morgan, Kettler, Revelle, Pettitt and (Assistant Secretary) Hansen. I was particularly interested in the recommendations of the Subcommittee on Atomic Energy Research, approved by the Committee, which included a recommendation that the contract with the Atomic Energy Commission to operate Los Alamos Scientific Laboratory be extended until September 30, 1961.

A discussion of the proposal to the National Science Foundation for study of social behavior offered me the opportunity of presenting some of the historical background, including the fact that the Regents disapproved the solicitation of a grant from NSF for a study to be conducted in Las Vegas, Nevada, of human behavior occasioned by sudden personal loss. I explained that subsequent to this action it was confirmed that the study is indeed a scholarly one and that the Chairman of the Department of Sociology and Social Institutions on the Berkeley campus strongly endorses it as such. I pointed out that such projects as this go through a stringent rating system in the committees of the NSF. Inasmuch as there is a shortage of funds in the Social Sciences administered by the NSF, projects selected to be supported in this

area are very carefully examined. I noted that within the last few months I have received indications from sources outside of the University that the Department of Sociology and Social Institutions on the Berkeley campus is rated as one of the best, if not the best in the nation. I urged the Committee to approve solicitation of the grant for support of this research, for which Erving Goffman will act as principal investigator, which they did.

Vice President Kettler advised that in connection with negotiation of a new overhead rate for Department of Defense contracts under a new formula proposed by the Bureau of the Budget, the Navy Area Audit Office, which is the cognizant government agency for all Department of Defense contracts, has proposed a comprehensive survey of the University. Such a survey would consist of a review of the accounting procedures and policies, a study of the functions of various departments, the expenses of which are included in overhead, and interrogation of faculty and administrative staff. The University does not wish to submit its faculty and staff to such interrogation. Financial records related to contract operations are always open to inspection and audit. For the time being the Navy has withdrawn its request for interrogations.

Helen attended a meeting of the mothers of Lynne's Girl Scout troop at our neighbors, the Linders, this morning and then later went to a meeting of the mothers of David's class at the Eymans'. She attended a luncheon hosted by Glatha Latimer and then hurried home in time for a University driver to pick her up at our house at 1:45 p.m. The driver took her to the San Francisco Airport, where she caught United Flight 564 at 3 p.m., arriving at Los Angeles Airport at 4:42 p.m.

We met at the Westwood Manor Hotel, where we changed into formal clothes and then were driven to the Pauleys' home. The Pauleys were hosting a dinner in honor of Franklin Murphy, who will be inaugurated as UCLA Chancellor tomorrow.

I talked with Norman Topping about the importance of avoiding conflict (of an unsportsmanlike nature) between the McKeever and Bates. We agreed that we both will talk with our coaches and athletic directors to ask them to warn the boys that we do not want a repeat of last year's brutality.

I also talked with Lee DuBridge and described to him the essential recommendations of our PSAC Panel Report on Basic Research and Graduate Education, of which I promised to send him a copy.

Friday, September 23, 1960- Los Angeles

Today is the occasion of the inauguration of Franklin Murphy. Murphy, at 44, is the youngest chancellor in the history of UCLA. Attired in cap and gown, I met with others at Royce Hall this morning at 9:45 a.m. to line up for the academic procession which began at 10 a.m. The ceremony was attended by students, faculty members and delegates from 87 California educational institutions. Edwin Pauley, as Chairman of the Board of Regents, presented Murphy for the inauguration, since Clark Kerr, who was scheduled to preside, could not attend due to his illness. Lee DuBridge extended greetings from Southern California institutions. Pauley and UCLA Vice Chancellor Foster Sherwood presented an honorary Doctor of Laws degree to Paul Friedlander (Professor Emeritus of Latin and Greek at UCLA).

Immediately following the ceremony, Helen and I attended a luncheon at the Bel Air Hotel. After the luncheon, Helen was driven to the L. A. Airport, where

she caught United Flight #563, leaving at 3 p.m. and arriving in San Francisco at 4:35 p.m.

I stayed on to attend the meeting of the Full Board of Regents at 2 p.m. On the agenda was the issue of televising political speeches. I reported that the Democratic Party has requested permission to sponsor a telecast of the appearance of Adlai Stevenson on the Berkeley campus next week. I brought the matter to the attention of the Regents because I feel that this involves a policy decision which might affect future appearances of other political candidates or their representatives on the various campuses.

Pauley noted that this matter has been discussed with him and with Kerr. As a result of the study of this request and possible future similar requests, he suggested that permission be granted for the telecast provided it is done at no cost to the Party or to the University and that equal free time is given to other political candidates or their representatives who request it. He stated that Kerr concurs with this suggestion. Pauley added that, if the sponsored aspect of the telecast is eliminated, automatically, under the rules of the Federal Communications Commission, the opposition receives equal free time and the entire matter becomes one of public service.

Cunningham called attention to the language of Article IX, Section 9, of the State Constitution, which provides that the University shall be entirely free of all political or sectarian influence, and commented that, in the light of this language, it would be well to take a conservative attitude toward this request.

The Regents did not object to regular news coverage, through usual media, of activities of a political party on the campus, but they did object to telecasts of such events which are paid for or otherwise supported by a political party. It was brought out in the discussion that University Regulation #17, pertaining to the use of University facilities, provides that

"Chief Campus Officers shall establish rules under which candidates for public office (or their designated representatives) may be afforded like opportunity to speak upon the campuses at meetings where the audience is limited to the campus community."

Under existing conditions, where political candidates or their representatives appear on the University campuses, the audience cannot be limited to the 'campus community'. Therefore, the Regents felt that additional study should be given to this portion of the regulation in an attempt to reword it to conform to the existing situation. The Regents approved and adopted Pauley's suggestion and directed President Kerr to give further study to a revision in Regulation #23 to conform to existing circumstances and made it understood that after such study this decision may be changed.

They also approved the recommendations of committees already noted and passed a resolution in memory of John Francis Neylan.

I returned a call from Jim Cobble before leaving for the airport. Jim told me that Allan Stoner has developed a proposal to the Air Force on decay scheme studies and short-lived isotopes, which he would like me to provide advice on. He will send me a copy of the proposal. He asked if I could attend the dedication of the U.S. Rubber Company reactor on November 7th; I declined due to the conflict with the meeting of the National Academy of Sciences. Jim said he may visit Berkeley during the Christmas holidays and mentioned that he

has proposed me for membership on the Board of Directors of the U.S. Rubber Company, to which I made no response at the time.

I caught the 5:45 p.m. United Flight #273 home to San Francisco, arriving at the airport at about 6:45 p.m. As usual, a driver met me with a pile of papers from the Chancellor's Office and drove me home to Lafayette.

Saturday, September 24, 1960

Our Cal football team played Notre Dame today at their campus at South Bend, Indiana. I listened to the game on the radio while working around the yard preparing for and during this afternoon's party for student leaders. The Bears were defeated by Notre Dame by a score of 21-7.

At noon student leaders arrived at our house for a luncheon catered by Corinne Washington. After lunch there was a volleyball game on our tennis court and swimming in the pool next door which we share with the Perlman's. Attached is a list of the students we invited; unfortunately, we have no record of who actually attended.

In the evening I read some of the papers which were brought to the airport from my Chancellor's Office yesterday evening. A letter from Reverend Joseph F. Sharpe (Superintendent of Schools [High Schools and Colleges] for the Archdiocese of Los Angeles) offered the following encouragement:

"Please add our name to the list of many that you must be receiving offering congratulations for the sterling manner in which you have been carrying out the policies of the University in the matter of handling the radical student elements on campus. Because of the influence of student demonstrations internationally in public affairs, it is of great value to heal the problem on our campuses.

The Catholic people of California are whole-heartedly behind the wise conduct of the program."

I also read a letter from Mrs. Rose Gaffney, who sounds very upset about the lack of communication about her property at Bodega Head. I think we have made it clear to Mrs. Gaffney that we are no longer interested in that location as a site for our Marine Biological Laboratory. I don't really know what we can do to make it clearer; however, I signed another letter to her reiterating our reasons for dropping her property from consideration as a site.

A note from Kitty Malloy informs me that the "disclaimer" was discussed at some length in the Chancellor's Cabinet meeting this week. She says that most staff members were "somewhat horrified" that a change in the directives is being considered now, but notes that an understanding that UCLA has been interpreting the directives differently changed their minds.

Attached are copies of "progress reports" from Bill Fretter, Adrian Kragen, and Jim Hart, submitted to me in response to my request..

Sunday, September 25, 1960

I played 12 holes of golf at the Contra Costa Country Club today with Stan Thompson. On the first nine holes, we were tied. However, on the last three holes, Stan did a little better than I, scoring 15 compared with my 17.

LIST OF NAMES FOR SEABORG'S SWIMMING SOIREE ON 9/24/60

Jane Semple	Assistant Editor of the Daily Cal
George Link	President, ASUC
Don Alves	1st Vice President, ASUC
Dolores Robbins	2nd Vice President, ASUC
Nanci Borio	Women's Rep., ASUC
Doug Moore	Men's Rep., ASUC
Ralph Andersen	Rep. at Large, ASUC
Brian Van Camp	Rep. at Large, ASUC
Dave Melander	Rep. at Large, ASUC
JoAnn Thebolt	Rep. at Large, ASUC
Steve Pace	Rep. at Large, ASUC
Maria Toriggino	Rep. at Large, ASUC
Jack Merritt	Rep. at Large, ASUC, Lower Div. Rept.
Gary Aguirre	Chairman, Class Officers Board & Pres., Senior Class
Mike Little	Chairman, Student Welfare Board
Judy Wright	Chairman, International Relations Board
Joy Holmes	Chairman, Functional Services Board
Don Bone	Coordinator, National Student Association
Lance Wickman	Pres. Junior Class
Larry Miller	Pres. Sophomore Class
Ken Meade	President, Big C
Bill Ausfahl	President, Californians
Jerome Siebert	Warden, Golden Bear
Gordon Zucherman	President, Cal Club
Karen Malstrom	President, Mortar Board
Diane Schwab	President of Prytanean & Chairman, Union Program Board
Nancy Campbell	WAA
Roger Kaufman	Men's Intramural
Bob LaLiberte	Head Yell Leader
Pat Ellerd	President, Panhellenic
Sandy Mitchell	President, Women's Dormitory Association
Linda Irvine	President, YMCA
Charles Lucas	Acting President, YMCA
Jim Tremboth	President, IFC
Charles Philpot	President, University Student's Cooperative Association
Sharon Gould	President, Honor Students Society
Bernard Key	Chairman, Student Judicial Committee
Frank Brian Rapp	Chairman, Men's Student Judicial Committee
Don Wegars	Editor, Pelican
Dorothy Sherwood	Editor, Blue and Gold
Stephen Whilden	Editor, California Engineer
Rod Craig	Business Manager, Daily Cal
Dan Silver	Editor, Daily Cal
Margaret Wilson	Managing Editor, Daily Cal
Corinne Purnell	City Editor, Daily Cal

July 29, 1960

To: Chancellor Seaborg
From: William B. Fretter

Summary of Progress - for appointment with CK

1. Naval Biological Laboratory.
 - (a) On June 1, 1960, application was forwarded for renewal of the contract with Office of Naval Research for NBL.
 - (b) Separation of Dr. Carl Lamanna from directorship of NBL after Sept. 30, 1960.
 - (c) Professor E. E. Snell has accepted chairmanship of Special Advisory Committee to secure a replacement for Dr. Lamanna.
2. Space Sciences Laboratory.
 - (a) Following 1959 Regents' approval to establish a Space Sciences Laboratory, this facility has been established on the Berkeley campus. Since January, 1960, several major projects have been brought into the Space Sciences Lab., and several new projects have been initiated, each from a different department, thus effectively developing an interdisciplinary composition as originally envisaged for the Laboratory.
3. Program in Mathematics for training of high school teachers, and its relationship to the Intern Program in the School of Education.
 - (a) Department of Mathematics has been granted a 3-year NSF contract to set up a training program for 20 to 30 undergraduates each year for profession of secondary mathematics teaching.
 - (b) It is hoped that all of these trainees will enter the Internship Teacher Training Program in the School of Education.
 - (c) Math Department's request for permission to limit the number of students in this new major to a maximum of 30 per year approved by Chancellor. (Reason: A necessary part of the major is entrance to internship program, which is limited as to funds and positions available, and the Math Dept. is having difficulty taking care of its regular majors and graduate students).
4. Marine Biological Laboratory.

Based upon a recent report by consultants from the Scripps Institute concerning possible ecological changes in the Bodega Bay caused by proposed PG&E power development, the Committee is "therefore, starting to explore other possible sites in the area."
5. Radio Astronomy Laboratory.

The Regents, at their January, 1960 meeting, approved \$86,000 in additional funds necessary for the Laboratory.
6. General Biology.

Chancellor's Advisory Committee on General Biology continues to consider the problems involved in the development of research and instruction in this area, under chairmanship of Professor Daniel Mazia.
7. Recruitment of Bright Young Men in Science.
 - (a) Attempt to recruit Professor Meselson for Molecular Biology unsuccessful. He has accepted Harvard's offer.
 - (b) Appointment of Dr. Roderic Park as Assistant Professor in Department of Botany.
 - (c) Recruitment program still under way.
8. Biophysics, Medical Physics, and Radiology.

At suggestion of Academic Advisory Committee, Chancellor appointed a Special

W. B. Fretter 7/29/60

Committee, under chairmanship of Professor S. Elberg, to consider proper organization of instruction in these areas on the Berkeley campus.

9. Institute of Human Development.
Search for a Director has resulted in appointment of Dr. John Clausen -- directorship to be effective September 1, 1960
Appointed to Department of Sociology.
10. School of Criminology.
 - (a) Appointment of a new Dean for the School of Criminology to be announced in December, 1960.
 - (b) A Committee has been appointed to aid in the reorganization of the School, pursuant to Educational Policy Committee's report on the future of the School.
11. School of Education.
A Committee has been appointed to recommend on a new Dean for the School.
12. Graduate School of Science at Livermore.
 - (a) GTS and CK have approved this program, such program to be under the jurisdiction of the Berkeley campus.
 - (b) A faculty committee, under chairmanship of Professor Helmholtz, has been appointed to "ascertain the optimal pedagogic use of the facilities at Livermore."
13. Laboratory of Photosynthesis and Chemical Biodynamics (Professor Calvin's)
 - (a) Laboratory approved by The Regents at their July meeting.
 - (b) Funds are being sought from non-Federal sources to match possible Federal funds for construction of a building to house this Laboratory.
14. Lawrence Hall of Science.
The Regents have approved \$12 million project, and the new reduced budget.
15. Study of Human Learning (Professor Postman's)
Approved at the July Regents' meeting.
16. Department of Insect Pathology.
At their July meeting, The Regents approved budget transfer to establish Insect Pathology as a single-campus Department at Berkeley within the College of Agriculture.
17. Computer Center.
 - (a) The search committee has recommended Dr. Metropolis for directorship of the Center. He is currently under review for appointment to Physics Department.
 - (b) The Acting Director, Professor DeVogelaere, together with the Advisory Committee, have submitted recommendations that uniform recharge rates of \$60 per hour be established by the Radiation Laboratory, and that \$45 be transferred to the Computer Center.
 - (c) The Advisory Committee is presently considering requests that computing facilities be expanded to meet the growing need on the Berkeley campus.

July 20, 1960

To: Chancellor Seaborg
From: Adrian A. Kragen

Re: Progress Summary for your meeting with President Kerr

1. NSF - High School Teachers and Students - Research Participation.
Administration of the program by Mr. Downes of University Extension, with cooperation of Chancellor's office, has been satisfactory during the academic year 1959-60, resulting in a decision to continue the same administrative procedure during the next year.
 - (a) Interdepartmental Program - June 15, 1960 through June 15, 1961 - 70 - 75 students participating in the Undergraduate Research Participation program.
 - (b) June 20 through August 5, 1960 - 45 high school teachers participating in the Research Participation Program for High School Teachers.
2. University Students Cooperative Association Residence Halls.
 - (a) Request submitted to President Kerr for University assistance in obtaining Federal loan funds to build on Ridge Road.
 - (b) President Kerr has requested that this be discussed at a future Regents' meeting.
3. UC and Public School Administrators meetings.
 - (a) Another satisfactory meeting was held on May 5, 1960 at the Claremont Hotel.
 - (b) Annual meetings will continue to be held.
4. Mathematics Program for Gifted High School Students.
 - (a) Formerly this program on an experimental basis, now incorporated in the regularized program of enrollment of superior high school students in the University.
5. Proposed Institute for Physical Planning (Development of City and Regional Planning).
 - (a) Proposal submitted to President Kerr by E. W. Strong on December 22, 1959. President Kerr referred it to Wellman and Brode for Review.
 - (b) Dean Wurster included this item in his 1961-62 budget. During review of Berkeley campus budgets in the Budget Meeting at University Hall, Vice President Wellman took issue with such establishment of an Institute without prior foundation of research, and Professor Fretter concurred. Result: Establishment of a research professorship in budget target.
 - (c) July 15, 1960: President Kerr acknowledged receipt of proposal; suggested implementing action for the five major elements of the Program; noted that "most of the program will turn on the availability of additional appropriations;" indicated that Professor Kent would make some revisions in the proposal before re-submitting it for campus review.
6. Program for Gifted High School Seniors.
 - (a) 43 high school seniors were accepted by UCB beginning Feb. 8, 1960.
 - (b) At May, 1960 Regents' Committee on Finance meeting, the following regulations were established:
 - (1) That these students be required to pay one-half of the incidental fee - eligible in return for all services related thereto, except student health service;
 - (2) That these students be excluded from ASUC;
 - (3) That these students be required to pay the student union fee;
 - (4) That provision be made to assist needy students participating in the Program. (We are exploring possibility of such assistance through the Alumni Association).
 - (c) Berkeley campus is now implementing continuation of the Program for the Fall semester.

WBF to GTS 7/29/60

charge, parking fee payroll deduction procedures, etc.

18. University Meetings.

AAK now compiling definite schedule for entire 1960-61 academic year -- to be submitted to Chancellor for his review in August, 1960.

19. Educational Television.

- (a) Not until July 1, 1960 have funds been available for equipment, facilities, and staff to do anything of significance at Berkeley.
- (b) Successful televising of Dr. Teller's Physics 10 course.

AAK

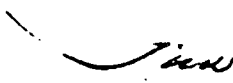
June 16, 1960
M/S

GLENN:

Here are some matters that you may wish to include in your report to Clark on the activities of this office during the past year:

1. This office initiated and carried through the program for the significant opening exhibition of works of art and objects of anthropology for the dedication of Kroeber Hall. The first major art exhibition on this campus attracted 39,356 visitors during one month.
2. This office established a committee to study the possibility of establishing an institute for the humanities on this campus. The committee has now made its recommendation that such an institute should be established and be comparable to the Miller Institute but that both institutes should share a simple building providing study space on Chaparral Hill Tract or a comparable location.
3. This office completed its work on revisions of the General Catalogue and related bulletins so as to achieve a better organization of materials, clearer statement of information, and an improved format and typography.
4. This office worked out a program for continuing art exhibitions on this campus in a refurbished exhibit hall located in the "old power house", headed by a curator selected from the University faculty and financed by the funds from the Committee for Arts and Lectures.
5. This office entered into negotiations with Soviet institutions for an exchange of faculty on behalf of the Statewide Administration of the University of California. These negotiations resulted in tentative agreements whose final ratification has not been concluded, perhaps owing to the chill climate of international relations.
6. This office extended the program of the graphic arts loan collection by means of attracting additional funds from generous donors and by making the popular rental collection available to faculty and staff over the summer and restricting its use to students during the regular semesters.
7. This office concluded arrangements with the John Hay Whitney Foundation to have the Berkeley campus serve as one of the universities at which the John Hay Fellows program is carried out, thereby strengthening affiliations between the University and high school teachers.
8. This office instituted a program of public speeches titled "Political Issues 1960", whereby outstanding representatives of the two parties address the campus community. This program brought into being the relaxation of Regulation 17, to be continued during the fall semester.

JDH:vb


J. D. H.

AAK
 June 16 675 7/20/60

I was pleased to learn that Clark Kerr returned home from the UCLA Medical Center today. He is expected to be out of commission for about two weeks, recuperating from his illness.

Monday, September 26, 1960

I spent the morning at the Radiation Laboratory.

At 11:30 a.m. I called Gilbert Lee to tell him that his name was presented to the Regents with the title "Vice Chancellor" and that it went well. However, they (the Regents) want to talk with him and Ed Pauley would like to have him and his wife come to an 11 a.m. brunch at the Ambassador East Hotel on October 9th in Chicago and then go on to the Rams- Bears game.

I didn't stay on for the Chemistry staff lunch, going instead back down to my Chancellor's Office so that I could join in the brown bag lunch being held by staff there to say "farewell" to Milt Chernin.

After lunch I received a call from Joe Mixer, who said that he heard about our conversation with Tom Cunningham and Lee McLean regarding the Earl Warren Legal Center and would like to see a copy of our agreement with the American City Bureau (to conduct the fundraising campaign) along with their survey of potential donors. I said I would send him copies in time for the meeting with Archie Mull.

At 2 p.m. I met with Robley Williams to discuss the September 19th meeting of the presidents and faculty athletic representatives of the AAWU. They discussed the relationship between presidents and faculty representatives and the eight areas in which there will be a review of the faculty representatives' actions by the presidents. The two groups will meet together once a year.

They also discussed the University of California representation at the chancellorship level and it was decided that UC should have two votes (one each for Berkeley and UCLA), not one (for the University as a whole) or three (for each of the chancellors and the President).

We discussed the record-keeping for financial aid from the Berkeley campus and the possibility that some athletes might have been overpaid. The present view of the Athletic Department is contrary to a previous view that no athletes have been overpaid in terms of subsistence payments, grants-in-aid, etc., according to AAWU or NCAA rules, provided computation is made on a basis of net rather than gross. We agreed that this general situation should be thoroughly investigated and probably discussed at an AAWU meeting.

In conclusion I gave Robley a copy of the Academic Senate Athletic Policy Committee report to read in order that he might be informed in connection with the October 11th meeting of the Berkeley Division of the Academic Senate.

Beginning at 2:30 p.m. I presided over a meeting of the Campus Planning Committee in my Conference Room. Members also present included Louis DeMonte, Sandy Elberg, Bill Wurster and, for the first part of the meeting, Elmo Morgan. Also attending for various parts of the meeting were James A. Barnes (Planning Director for the City of Berkeley), several architects, Adrian Kragen and Ed Strong. As usual, Al Wagner took minutes.

Barnes attended for the purpose of bringing CPC members up-to-date on the status of studies being conducted by the City for reclamation and use of private and City-owned off-shore tidelands. The studies, he said, have advanced to a state at which formal Planning Commission and Council decisions must be made in choosing among several alternative schemes for waterfront development. Because of the possibility of University use of parts of the areas to be reclaimed, he said, it seems important that the University express an official position on the matter.

He reviewed the background of the studies, beginning with a "sketch" plan in the Preliminary Master Plan of 1953 and proceeding through more formalized inclusion in the official Berkeley Master Plan of 1955 and subsequently detailed engineering and economic feasibility studies. Plans have been prepared for the yacht harbor-marina position and preliminary generalized plans in the form of three alternative development layouts for the area as a whole.

Of the up-to-450 acres suggested for four main categories of University use (married student housing, athletic facilities, peripheral academic use and general research) the consultants have suggested elimination of a sports stadium and a water course for crew racing from consideration, reducing the maximum University use to about 340 acres.

Barnes noted that the major differences among them stem from alternative amounts of University use which they have allowed. In common to all three plans are a north and south fill areas separated by a marina for small craft, an entry basin, industrial use of privately owned land, filling of Aquatic Park for industrial use and its relocation elsewhere, a golf course, a junior college, a convention-motel center, parks and scenic drives along the entire west shoreline, a new shoreline freeway west of the Eastshore Freeway, and storm water outfalls at the north and south ends of the area. Plan "A" includes the full 340 acres for University use; Plan "B" allows for a reserve or alternate area of some of these 340 acres for industrial use, thus possibly reducing the University area to 115 acres; and Plan "C" allows for no University use at all.

The Committee indicated our preference for Plan "B" as apparently the most reasonable of the three schemes. Barnes said that a public hearing on the preliminary plans has been scheduled for October 10th and suggested that it might be desirable for a University representative to be present. I informed him that this matter will have to be brought to the attention of the President and the Regents and suggested that some preliminary public relations efforts seem necessary immediately. The Committee expressed the opinion that it would be short-sighted of the campus to relinquish interest in the area, that the "catalyst" effect of University research development as an attraction to private industry should be stressed, and that City officials could aid the situation by portraying the University as having been invited to participate in waterfront studies, rather than as having been an initiator of such studies.

On behalf of the Office of Architects and Engineers, Wagner presented copies of a staff review of current proposals for rapid transit by the San Francisco Bay Area Rapid Transit District. The District has requested such review by the University in connection with the future impact on the Berkeley campus of the proposed regionwide rail system. The review suggests that three important advantages to the University will accrue through rapid transit development: 1)

increased accessibility, 2) enlargement of supply of private housing available to the University community, and 3) substantial alleviation of parking needs and street congestion problems.

Also included in the review are suggestions to the Rapid Transit District, as follows: 1) consideration of an alternate route that would provide, in addition to a station in downtown Berkeley, a station in the vicinity of Bancroft and Telegraph, adjacent to the campus "core"; 2) preference for all-subway construction through Berkeley; 3) service to regional airports; 4) design of stations to simplify Berkeley campus commuter transfers between trains; 5) location of the MacArthur Boulevard station closer to the "Pill Hill" medical complex; and 6) consideration of future extensions of the initial rapid transit system. The CPC feels that more stress should be put on the importance of direct service to the "campus core". I indicated that this review should be brought to the attention of the Regents and discussed with the City-University Liaison Committee before making a response to the Rapid Transit District.

In the course of the meeting we also reviewed plans for the roof treatment of the Physical Sciences Lecture Hall and for the redesign of the east entrance of the Radiation Laboratory.

In my report I mentioned the danger that the parcel of land we want for Residence Hall Unit #3 may be developed for private use by the owner and the difficulty we face since our funds for emergency land purchases are at the moment exhausted. It was suggested that a letter be sent to City Manager Phillips urging City cooperation in persuading the owner not to proceed with development.

I also reported that we have reached agreement with the East Bay Municipal Utility District on the price for the Chaparral Hill Tract and my feeling that the Regents may approve its purchase at the meeting in October. I expressed the hope that, now that the City of Berkeley has found it impossible to continue with its proposal to buy the property east of the California School for the Blind and Deaf for recreational development, the University may consider acquiring that property, which would encourage "rounding out" campus holdings through further acquisition of lands between this land and the Chaparral Hill Tract. We adjourned at 4:30 p.m.

I left my office then and drove down to Shattuck Avenue to be fitted by my tailor, Mr. Robinson, who is making me several suits.

Helen told me that she attended a Section Club Advisory Board meeting at Gertrude Chernin's home today. This evening she is going to a meeting of the parents of Dave's class in Room 5 Happy Valley School.

At home in my study after dinner I read a pile of papers I brought home from the Chancellor's Office with me. An interesting editorial in the Daily Cal objects to the American History and Institutions examination and urges requiring courses instead, which is an intriguing plea from students:

"... Through all the history and political science courses we have taken has run a single similar thought: facts and figures are important, but are secondary to their individual understanding and interpretation. Emphasis has been on the why, not who, what, when or where. And we believe that the why is barely touched upon in the history and institutions examinations.

We believe a student has learned little of value if he can cite merely names, dates and places of historical events and give a summary of the Constitution. We wonder if he can read a daily newspaper and understand why Cuba is in a constant state of turmoil, why Khrushchev walked out of the Summit Conference and why there are two political parties adhering to different convictions in a country that supposedly stands for the same ideals.

We urge, therefore, that the University reconsider its history and institutions program. We suggest that the courses should be required unless a student can prove by examination that his knowledge of the United States is sufficient for an understanding of the contemporary society of which he is about to become a part."

(I wonder why the author feels that students are outside of contemporary society...)

An article in the Daily Cal reports that ASUC President George Link made a prepared statement to the Daily Cal yesterday, saying that "The Kerr Directive controversy in my opinion is over." I was pleased to see that Link amended his initial statement that the "disclaimer" was a "liberalization" of the directives to say that it was a "clarification", making it clearer that no new rights have been granted, rather that we have clarified student rights to speak as individuals on any issue, on or off campus.

I read a note from Adrian Kragen, saying that

"In discussing with [Lee] McLean some of the endowment situations which we are working on, he mentioned that he has made a survey and found that last year U.C.L.A. received approximately two million dollars more in funds from non-State forces [sic] than Berkeley. This includes Government contract, endowments, etc. This surprised him and certainly surprised me."

I noted that "I'm more than surprised." and asked for a breakdown of the figures.

I read a letter from Clark Kerr regarding the degree of "recognition" afforded by the University to various non-recognized groups on the Berkeley campus. He encloses a copy of the letter which Tom Cunningham sent to Regent Hansen regarding this matter, which quotes Bill Shepard as describing the distinction between recognized and non-recognized groups, as follows:

"...the University relationship with fraternities and sororities is a firm bond extending deeply into the areas of service and supervision, while our relationship with the off-campus groups is tenuous. We make available only certain facilities under severe limitations, and we provide no supervision, nor guidance. Attached for your information is a list of the services and facilities supplied fraternities and sororities and a list of the controls exercised over these groups. Obviously, there is no comparison between the relationships we have with fraternities and sororities and our relationship with off-campus groups."

Both the copy of Cunningham's letter and Kerr's cover letter inform me that

"... the Berkeley Campus has been asked to review thoroughly the problem presented by the participation of these [referring to non-recognized] groups in intramural athletics and their purchase of space in the Blue and Gold."

All of this concern is the result of our emphasis on eliminating discrimination among groups which are formally recognized by the University (like fraternities and sororities, which have to comply with our policy of non-discrimination by 1964); Hansen's concern is that groups like Hillel and Newman are, by nature, discriminatory on the basis of religion.

I noted with pleasure the Graduate Division summaries of the doctoral dissertations of two of my former students, Glen Everett Gordon and Herbert Marshall Blann.

Tuesday, September 27, 1960

In my Chancellor's Office this morning I signed a number of letters which had been prepared for my signature under yesterday's date. I sent a memo to Clark Kerr, informing him of the appointments of Edward N. Barnhart as Vice Chairman of the Department of Speech and of Roy Overstreet as the Acting Vice Chairman of the Department of Soils and Plant Nutrition.

I also wrote to Kerr about the recommendations of the special committee on the Institute for the Humanities chaired by Jim Hart, spelling out the recommendation that the financing of the project should be conceived of as in two separate parts:

"(a) A grant to be sought from a foundation, possibly the Ford Foundation, for an initial five-year period. On the basis of the fifteen fellows per year, which the committee recommended, the total of the grant would be of the order of \$1,250,000.

(b) Permanent funds to be sought from other sources. The building mentioned in the section under "Physical Facilities" would be financed from these sources rather than as a part of the term grant from a foundation."

I requested the President's permission for Hunter Dupree, as my representative, to approach foundations when he visits New York next month on other business, to determine if they have any interest in helping to support the establishment of such an institute.

Another letter to Kerr expresses my reservations about the Naval Biological Laboratory (supported by those reservations expressed by some members of special committees assigned to study it over the last few years) and notes that out of seven outstanding bacteriologists asked if they had any interest in the directorship of the NBL, six said very definitely that they had none, which statistic "suggests an unhealthy and unattractive situation." I enclosed a copy of a letter from Dean Charles E. Smith in which he makes a case for carrying out what he believes to be past firm commitments made largely during Kerr's term as Chancellor. I concluded:

"I would like from you a general statement of policy defining the degree to which on-campus laboratories and institutes must be integrated into the local academic structure. With this in hand it will be very much easier for me to negotiate a generally acceptable plan for incorporating the Naval Biological Laboratory into affairs on the campus, to the satisfaction of the faculty and, I hope, the Navy, if this should be decided to be the best course."

This morning's Daily Cal carried an editorial titled "Bitter Pill", as follows:

"We are disappointed and dismayed at the latest 'clarification' issued in regard to the President's directive on student government.

We, the students, have been handed a bitter pill- intellectual poison-sugar coated and veiled behind involved, yet specious, reasoning.

The newest statement has been hailed as a 'liberalization' of what George Link has called 'President Kerr's liberal statement.' It is not.

It is nothing more than a bald restatement of limitations implicit in the original directive. It introduces a new change divesting the student body of their last hope ever to express themselves, as a group, on an 'off-campus' issue.

Allowing student officials to take stands as individuals, with a disclaimer, is as old as the original directive. Removing the chance for appeal to the Chancellor for the right to discuss a particular issue may eliminate an inconsistency in the legislation; it also establishes finally and irrevocably the administration's suppression of the student voice.

We continue to oppose the political emasculation of the undergraduate community on these grounds; it not only violates the basic rights of students to free speech as a community and the University's obligation to encourage this aspect of their intellectual development, but it is inconsistent with the very motives which are claimed to have inspired it.

We further protest the directive on the ground that the method of its presentation has been a continuing affront to the intelligence of the student body.

We are dismayed at the efforts of some administrators and certain sycophants in student government to convince us that we have gained something and lost nothing in the last year.

We, as a University, have lost a great deal. We have lost the opportunity as students, many underage, to make an [sic] meaningful contribution to the affairs of the outside community and the nation.

We have further lost the respect of students and others everywhere. As a University, we have dimmed our reputation as an institution of true liberal academic endeavor. As students we have lost our self-respect and the support of others by failing to courageously resist.

It is perhaps the best commentary upon the basic inconsistency of the directive that it has so far required three so-called 'modifications' or 'interpretations.' It is indeed ironic that the barrage of words

surrounding the true import of the directive, in the end, seems to have confounded the very authors of those words.

It should be understood that the principle behind the directives is one with which we are in complete agreement. Students should not be compelled to belong to an organization, so constituted as is the ASUC, which takes stands on issues and commits the member's opinion without his consent or participation.

Of the many solutions to which this problem is liable, we feel the directive represents the least efficacious and the least reasonable.

There are any number of plausible ways by which the compulsory extra-curricular program, which is the University's justification for the existence of the ASUC, could have been combined with a voluntary student government having status as such, free to act on any pertinent issue, on or off campus. Tomorrow's editorial will describe an experimental approach to such a structure.

It is, we repeat, not the underlying principle we oppose. It is the illiberal and degrading solution offered and the less than frank manner in which this was presented to the campus community which should be the subject of student indignation and action."

I paid special attention, because of the Student Office Hour scheduled for later this morning, to this and to an article entitled "Students Confused by Kerr Directives" and continues under the heading of "Kerr Directives Discussed by Equivocal Cal Students", which surveyed various students about their understanding of this issue. I will be very intrigued to hear more about the proposal of an experimental voluntary student government.

Progress report #7 on the Ernest Orlando Lawrence Hall of Science includes announcements that Norris Nash has joined the Memorial Committee; that Starker Leopold is replacing Bill Fretter as Secretary to the Committee; that Lionel Viales is returning to his duties at the Radiation Laboratory; and that Herbert Childs is working on a biography of Lawrence.

At 10:40 a.m. I received Professor and Mrs. Helmut Brederick in my office. Professor Brederick is the Rector of the Stuttgart Institute of Technology. He is an organic chemist and plans to talk with members of our Chemistry Department this afternoon. Our visit was mostly social.

I then met with Dr. Laroia (Development Officer for Science and Technology of the University Grants Commission of New Delhi, India). He also has a chemical background and is interested in upgrading science and chemistry in India. Their University Grants Committee operates much like the University Grants Committee in the United Kingdom and they have increased tremendously the amount of governmental support to the universities in the last five to ten years. He was particularly interested in our CHEM Study project and I, therefore, asked Akiko Owen to refer him to George Pimentel at the end of our interview.

The first student to come into my Student Office Hour at 11 a.m. was J. Wright, who wanted to consult with me about whether he should stay in school or quit. He said he doesn't see much purpose in staying in school when he has in six years' time (three of which were spent in the Army) completed only 83

units so that he has 37 to go. He is majoring in Comparative Literature and has a grade point average of 2.5. I told him that I can't see any argument for his leaving school and that he should finish his schooling, which might be particularly important in his case.

The second student's last name was Badagliacca-- I'm afraid that I didn't catch his first name. He said he is confused about the student controversy over the Kerr Directives and over the student confusion concerning the status of ROTC. I explained to him that the so-called Kerr Directives resulted from an attempt to spell out in writing what had been the rules and regulations in these areas and that they represent, in general, a liberalization. I gave the example of Adlai Stevenson being forced to speak at the east entrance of the campus in 1956 and that tomorrow we can welcome him on campus. I explained the issue of the compulsory nature of the ASUC: that they, therefore, cannot represent all of the students in the political, social and religious areas. He seemed to understand. In connection with ROTC, I told him that I believe the Regents will vote to make this voluntary some time this fall, provided that there are no violent actions by students from any of the campuses in the meantime that would make them change their minds.

From about 11:30 a.m. to 12:05 p.m. I met with Corinne Pernel, Margaret Wilson, Jane Semple and Dan Silver from the Daily Californian, as a group. They began by asking what my reaction was to the clarification of the Kerr Directives. I said that the campus found them helpful, that I think it is an advantage to allow the Executive Committee to take stands with a disclaimer, which is what I thought they wanted. They made the point that they don't see how they can represent the total student body on on-campus issues without a disclaimer, if logically they can't do it on off-campus issues because they wouldn't know the opinion of the entire student body on on-campus issues either. I pointed out that the student body has elected them to represent it on on-campus issues and I think this makes a difference.

They asked me how I would determine whether an issue is an on-campus issue. For example, what about the NDEA loyalty oath? I said that I wouldn't try to make an ad hoc decision then; that, offhand, that would probably be on-campus, but that I could not make a definition of policy at this time under these conditions. I mentioned that if this should be an issue, as it seems to be, I might appoint a committee including representatives from the Executive Committee to help me make policy in this area. Dan Silver said he thinks this would be impossible; I disagreed, saying that it would probably have a good chance of being successful and that, in any case, it is up to us to determine whether it is possible or not and this would be a good way of doing it.

In addition to this, Silver suggested there might be another, in this case, voluntary, organization without dues that would elect its officers and perhaps have a sort of Executive Committee that could take a stand on political and social issues. (The Daily Cal would be under a sort of third set-up, with a compulsory subscription.) I told him that this doesn't sound much different to me than the suggested idea of a forum and that it isn't just a matter of semantics, with which Silver did not agree. Margaret Wilson pointed out that there is a difference that in the case of the forum, the forum would be under the Executive Committee, whereas, in the case of Silver's plan, the governing body would not be under the Executive Committee. I said that, offhand, it looks like a good idea to me but that I have to be tentative about it because, in my position, I get reaction from all sides and it might be possible that, after listening to arguments on both sides, I might change my mind.

During the ensuing off-the-record conversation we discussed the riot film and I pointed out the troubles that the statement (announcing the protests at the HUAAC hearings) in the Daily Cal caused me- it being referred to as a directive when, of course, it was a news story. I told them that people were divided into two widely divergent camps on this--those who think that students should be put in their place (including those who were even so extreme as to suggest that they should be expelled) and on the other side, those who feel that the students have been grossly mistreated. I observed that I feel closer to the people on the latter end of the spectrum. I expressed the hope that there will be judicious handling of such matters in the Daily Cal in the future, saying that it does no one any good to fan up bad feelings against students. Silver asked whether I think it would be a good idea to sue the makers of the film for misrepresentation and also whether they should get some congressmen to help them make representations along similar lines to Congress. I told them that I think such suits are very unsatisfactory, that they just lead to publicity which does not establish the point very well.

In the course of the conversation, I asked them to be sure to publicize the University Meetings well, that a lot depends on that, noting that the University Meetings at UCLA were very poorly attended last year. (The last comment, I made clear, was off the record.) It seemed to me that the whole meeting was very satisfactory.

At noon I presided over a luncheon meeting of the Chancellor's Cabinet, at which all members were present (although Leopold only arrived near the very end of the meeting). As usual, we went through quite a long list of items. Considerable time was spent discussing the pros and cons of returning land at the Gill Tract to the City of Albany. It was agreed that Kragen should try his hand at a draft letter to Kathie Zahn turning down her request.

Alex Sherriffs said that Forrest Tregea, who is now acting as Executive Director of the ASUC (in place of Bud Hastings), is now the choice of the students for permanent director.

I described Regent Hansen's concern regarding the degree of "recognition" afforded by the University to various non-recognized groups, i.e., participation in intramural athletics, purchase of space in the Blue & Gold, etc. We decided that this should be discussed with the CAAC and the SAC.

Douglas Chrétien joined us for our discussion of the NDEA conference in Washington, on which Ed Strong reported. Strong said that funds should be made available for capital improvements, for professorships and for unrestricted institutional grants, citing precedents for each case. Consideration is being given to eliminating the "D" in NDEA or having it stand for "Development" instead of "Defense". Other points brought out in the conference were the need for more money flowing into humanities and social sciences and the need to make graduate fellowships available to established departments. Strong will work with Chrétien on the draft of a letter submitting statements in connection with the next meeting on the NDEA, which will be discussed at a Cabinet meeting before being sent out.

Hunter Dupree raised for discussion and future decision the Regents suggestion that the Art Center might be partially paid for by an increase in incidental fees. It may be that our answer to the Regents will be along the lines that a raise in the incidental fee is objectional and not practical, i.e., the Art

Center is not entirely a student concern. It was definitely decided that the Art Center has a higher priority than the Institute for the Humanities.

Dan Wilkes mentioned that Jerry Beatty of the Berkeley Gazette wants to talk with me about a new proposal to use our Journalism students as part-time reporters for the Gazette covering the campus beat, a suggestion which Dan feels strongly needs to be discouraged.

I reported at some length on the meetings of the CCCO and the Regents in Los Angeles.

At 3:30 p.m. Alex Sherriffs and I met with Parker Maddux and Brian Van Camp, two students in charge of the All-University Weekend. They wanted to discuss with us the revised procedure. I went over with them the functions which are still a part of the plan for the weekend: the hospitality functions, the publication of the "All-Californian", etc. but told them that an All-University Meeting in which chancellors would participate is out.

After some discussion they agreed that they probably shouldn't have a student-sponsored University Meeting either, because in this case, we would be faced with the question of dismissing classes and this wouldn't be possible since it wouldn't be an official University function. It was agreed that they might hold a rally of the type they hold before games with schools like Stanford and Oregon and invite students and student leaders from UCLA. The importance of making the "All-Californian" issue of the Daily Californian a good issue was stressed and Maddux left with the thought that he might go to the Daily Californian to discuss this.

I called Paul Wendt to urge him to accept the appointment to the ASUC Executive Committee which I had earlier offered to him. He is not inclined to accept this assignment for a variety of reasons, including additional teaching responsibilities in the School of Business Administration, other committee responsibilities and the possibility that he may have to have surgery soon. The ASUC assignment is very time-consuming so, although disappointed, I realize that his reasons for declining are sound.

Helen attended a luncheon meeting at the Claremont Country Club on the subject of Israel, as a guest of Lee Perlman.

After dinner we drove back to Berkeley to host a reception for new faculty members and their spouses at Alumni House beginning at 8 p.m. A large group attended the reception, at which I made welcoming remarks describing the Berkeley campus in broad general terms, introducing the subject of some of the faculty committees, social clubs for wives, etc. and describing the orientation programs we have planned. Attached is a list of new faculty members.

Wednesday, September 28, 1960

There was no meeting of the Associate Directors at the Radiation Laboratory this morning so I went directly to my office in Dwinelle Hall. I was pleased to read a letter from Sidney W. Fox (Florida State University in Tallahassee), a fellow chemistry major at UCLA while I was there, who spent two months this summer working at the Virus Lab. Fox wrote:

New Faculty Members- 1960-61
University of California, Berkeley

Agricultural Economics

David J. Allee, Assistant Professor
George R. Allen, Visiting Associate Professor
John O. Gerald, Specialist in the Experiment Station
Michael M. Merriman, Jr., Specialist at the Forest Products Laboratory
Gudmund Syrrist, Research Fellow, Ph.D. candidate

Anthropolgy

Richard N. Adams, Visiting Professor
B. Irven DeVore, Jr., Acting Assistant Professor
Edward P. Lanning, Senior Museum Anthropologist
Laura Nader, Acting Assistant Professor
Pertti J. Pelto, Instructor

Architecture

Ronald T. Aday, Instructor
Soren Koch, Instructor
Frank I. Jenkins, Instructor
John M. Jacobus, Assistant Professor
Donlyn Lyndon, Instructor
James S. Tuley, Lecturer
Charles D. Wiley, Lecturer

Astronomy

Karl Heinz-Bohm, Visiting Professor

Bacteriology

Harold P. Klein, Professor

Botany

Paul Allen, Visiting Professor
Roderic Park, Assistant Professor of Virology and Assistant Research
Virologist in Virus Laboratory
Rafael Rodriguez, Visiting Professor
Paul Silva, Visiting Associate Professor

Business Administration

K. R. Artle, Acting Assistant Professor
Edward A. Feigenbaum, Assistant Professor
T. Paullson Frenckner, Visiting Professor
Arnold B. Moore, Acting Assistant Professor
Richard U. Ratcliff, Visiting Professor
George Strauss, Visiting Professor
Thomson M. Whitin, Professor

Chemical Engineering

Edward A. Grens, Lecturer

Chemistry

John A. Barltrop, Visiting Professor
Philip E. Eaton, Assistant Professor
John P. Fackler, Assistant Professor
Bruce F. Rickborn, Assistant Professor
David A. Shirley, Assistant Professor

City and Regional Planning

Jerrold R. Voss, Lecturer

Classics

William S. Anderson, Assistant Professor
H. D. F. Kitto, Sather Professor of Classical Literature

Decorative Art

Truman Fisher, Instructor
Donald Haskin, Instructor
Mrs. Ragnhild L. Kingsbury, Instructor

Donner Laboratory

Mohammad Maqsood, Research Associate at Donner
Howard C. Mel, Assistant Professor

Dramatic Art

Harry Ritchie, Lecturer

Economics

Kenneth Arrow, Visiting Professor
Robert W. Campbell, Visiting Associate Professor
Hugh Folk, Lecturer
Erik Lundberg, Visiting Research Professor
Hirofumi Uzawa, Assistant Professor
James N. Wolfe, Visiting Professor

Education

Meidel Applegate, Supervisor of Secondary Education
Ernest H. Berg, Supervisor of Secondary Education
D. D. Karve, Lecturer
Hilda Lewis, Lecturer
Jack D. Mezirow, Lecturer
Calvin B. Michael, Acting Assistant Professor
Harriett A. Podell, Lecturer
Harry B. Stehr, Jr., Supervisor of Secondary Education

Engineering

Emil Abrahamsen, Visiting Scholar (Naval Architecture).
Vitelmo Bertero, Associate Professor
George B. Dantzig, Professor of Engineering Science (Industrial Engineering)
Salomon Freiberg, Visiting Professor (Mechanical Engineering)
Rubin Goldstein, Acting Assistant Professor (Nuclear Engineering)
Maurice Holt, Visiting Professor of Aeronautical Science
(Mechanical and Engineering)
Jerome Sackman, Assistant Professor (Civil Engineering)
Harold P. Smith, Jr. Assistant Professor (Nuclear Engineering)
Frank W. Stubbs, Jr., Visiting Professor (Transportation Engineering)
George L. Turin, Lecturer (Electrical Engineering)
Tadeo Jenó, Lecturer (Civil Engineering)
Joel Bengston, Lecturer (Nuclear Engineering)
Lawrence Ruby, Lecturer (Nuclear Engineering)
Roger W. Wallace, Lecturer (Nuclear Engineering)

English

Joseph M. Backus, Associate Professor
Robert Bloom, Assistant Professor
Seymour B. Chatman, Lecturer
Ruby H. Cohn, Associate Professor
Sherwood P. Cummings, Lecturer
Leon M. J. Delaisse, Lecturer in English and Art
Helene Di Bona, Associate Professor
Donald H. Ewing, Lecturer
Thomas Flanagan, Assistant Professor
John C. Gerber, Visiting Professor
Robert Harvey, Associate Professor
Frank MacShane, Assistant Professor
Stephen Orgel, Assistant Professor
John D. Seelye, Acting Instructor
Gardner D. Stout, Acting Instructor
Arthur C. Todd, Lecturer
Robert Tracy, Acting Assistant Professor
Kingsley Widmer, Visiting Assistant Professor

Entomology and Parasitology

Howell V. Daly, Acting Assistant Professor
Eugene G. Munroe, Lecturer
Rudolph L. Pipa, Assistant Professor

Environmental Design

James W. Webb, Visiting Professor

Food Technology

W. D. Brown, Assistant Researcher

Forest Products Laboratory

Barton A. Ecklund, Assistant Specialist

French

John Atherton, Acting Instructor
Alexander Calame, Visiting Professor
Lionel Duisit, Assistant Professor
Roger Kempf, Visiting Associate Professor
Walter Rex, Assistant Professor
Manfred Sandmann, Professor

Geography

Robert L. Dickenson, Visiting Professor

German

Kathleen Harris, Instructor
Heinz Politzer, Professor
Richard M. Sheirick, Acting Instructor

Geology

Frederick A. F. Berry, Lecturer
Jerry P. Eaton, Lecturer
Clyde A. Wahrhaftig, Associate Professor

History

Thomas G. Barnes, Lecturer
Walter F. Cannon, Visiting Assistant Professor
Richard Herr, Associate Professor
Jack R. Pole, Visiting Associate Professor
Hugh Ross, Instructor
Carl E. Schorske, Professor
Clark C. Spence, Lecturer
George W. Stocking, Instructor
Richard A. Webster, Assistant Professor

Human Development

John A. Clausen
Nancy Bayley Reid

Industrial Relations, Institute of

Harold Levinson, Visiting Research Economist
George Strauss, Visiting Professor

Inter-relations, Bureau of

Houstofa M. Elgabaly
Marnixious Hutacoit

Landscape Architecture

Asa Hanamota, Lecturer
Robert N. Royston, Lecturer

Mathematics

Ralph H. Abraham, Lecturer and Assistant Research Mathematician
Glen Bredon, Assistant Professor
Stephen Bryant, Visiting Assistant Professor
Paul Cavailles, Acting Instructor
C. C. Chang, Visiting Assistant Professor
S. S. Chern, Professor
Joseph M. Cook, Lecturer
William Craig, Visiting Associate Professor
Shankar Dwivedi, Visiting Assistant Professor
Moris W. Hirsch, Assistant Professor
Adam Koranyi, Assistant Professor
Frank J. Kosler, Instructor
Albert T. Lundell, Lecturer and Assistant Research Mathematician
Linda Nalm, Visiting Assistant Professor
Robert R. Phelps, Lecturer and Assistant Research Mathematician
Dana S. Scott, Assistant Professor
Stephen Smale, Associate Professor
Hirofumi Uzawa, Assistant Professor of Mathematics and Economics
Donald S. Wehn, Assistant Professor
Daniel Zelinsky, Visiting Professor

Linguistics

Dell H. Hymes, Associate Professor of Anthropology and Sociology

Law

Roger H. Bernhardt, Associate
Larry D. Dingus, Associate
John G. Fleming, Professor of Law
Nicholas Johnson, Acting Assistant Professor of Law
Robert E. Lewis, Associate
Robert McKay, Visiting Professor of Law
Mrs. Herma N. Schreter, Acting Assistant Professor of Law
John A. Spanogle, Jr., Associate

Music

Alan S. Curtis, Instructor
Daniel L. Hertz, Assistant Professor

Naval Biological Laboratory

Don H. Larsen, Associate Professor
Maxwell S. Redfearn

Naval Science

Wayne C. Bender (Ltjg. USNR), Assistant Professor
William B. Fields (Lt. USN), Assistant Professor
James B. LeValley (Cmdr. USN), Associate Professor
Robert P. Soens (Lt. USN), Associate Professor

Near Eastern Languages

Jackson W. Bird, Lecturer
Paul Essabal, Lecturer
Mounah A. Khouri, Lecturer
Bh. Krishnamurti, Lecturer
Vidya N. Misra, Lecturer
Richard A. Mitchell, Lecturer
M. A. Sha'ban, Instructor
Reuben W. Smith, Lecturer

Nutrition and Home Economics

George M. Briggs, Professor, Chairman of Department
Genevieve Scheir, Lecturer

Oriental Languages

Cyril Birch, Assistant Professor
Helen McCullough, Lecturer

Paleontology

William B. Berry, Assistant Professor
Joseph T. Gregory, Professor

Personality Assessment and Research, Institute of

Norman D. Sunberg, Associate Research Psychologist, Oregon State Grant

Philosophy

Yehoshua Bar-Gillel, Professor

Physical Education (Men)

Leroy Brissman, Junior Supervisor
Barton R. Herrscher, Teaching Assistant
John Z. Ostarello, Junior Supervisor

Physical Education (Women)

Frances Bloland, Assistant Supervisor
Phyllis Brock, Junior Supervisor
Jean Grutzmacher, Assistant Professor
Jean Rigden, Junior Supervisor
Barbara Schumacher, Junior Supervisor
Gunhild Swanson, Section Assistant

Physics

K. Anderson, Assistant Professor
H. Bradner, Lecturer
W. Butler, Visiting Associate Professor
E. D. Commins, Acting Assistant Professor
V. Ehler, Lecturer
E. W. Friesen, Lecturer
David Judd, Lecturer

R. Marrus, Lecturer
C. L. Schwartz, Assistant Professor
G. H. Trilling, Associate Professor
R. D. Tripp, Assistant Professor
S. Weinberg, Assistant Professor

Physiology

Robert I. Macey, Visiting Assistant Professor

Plant Pathology

Zenon A. Patrick, Visiting Professor
T. A. Toussoun, Instructor
Albert R. Weinhold, Instructor

Political Science

Jacob Abers, Lecturer
Francis M. Carney, Assistant Professor
M. Bertrand de Jouvenel, Visiting Professor
Harold N. Fisher, Visiting Professor
Chalmers A. Johnson, Associate Professor
Herbert McClosky, Associate Professor
Wilson C. McWilliams, Associate Professor
Harvey C. Mansfield, Jr., Assistant Professor
Ralph H. Retzlaff, Assistant Professor
Leo C. Rosten, Visiting Professor
William Welch, Lecturer

Psychology

Richard Alpert, Visiting Assistant Professor
Howard H. Kendler, Visiting Professor
Gregory A. Kimble, Visiting Professor
Gerald A. Mendelsohn, Assistant Professor
William Meredith, Assistant Professor
Edward E. Sampson, Assistant Professor

Public Health

James E. Froeschle, Lecturer
Eleanor H. Boydston, Lecturer
Sven Nissen-Meyer, Professor

Slavic Languages and Literature

Tadeusz E. Gozdzik, Assistant Professor

Social Welfare

Mary Anderson, Field Work Supervisor
Virginia Berkman
Mark Ealey, Field Work Supervisor
Irene Macdonald, Field Work Supervisor
Joe P. Maldonado, Lecturer
Eleanor Megeath, Field Work Supervisor
William Rowe, Associate
Alvin Rudoff, Lecturer

Sociology and Social Institutions

Samuel D. Clark, Visiting Professor
John A. Clausen, Professor
Albert K. Cohen, Visiting Associate Professor
Cesar Grana, Visiting Assistant Professor
David Matza, Assistant Professor
David Nasatir, Associate Professor
Walter Phillips, Associate Professor

South Asia Studies, Center for

William L. Rowe, Graduate Research Anthropologist
Leo E. Rose, Assistant Researcher

Spanish and Portuguese

Juan V. Agudiez, Instructor
Antonio Rodriguez-Monino, Lecturer

Speech

Richard L. Anderson, Lecturer
Rachmael ben Avram, Lecturer
Laura Kent, Instructor
Mark S. Klyn, Instructor
Leonard L. Nathan, Lecturer

Statistics

James G. Mauldon, Associate Researcher Statistician and Associate Professor
T. E. Dalenius, Visiting Associate Professor

Virology

Wolfhard Weidel, Visiting Professor

Virus Laboratory

E. A. Barnard
Michael Feldman
John D. Imsande
Martin Rachmeler
Glen E. Richards
P. R. Whitfeld
Junji Yamaguchi
Louis G. Hoffman
Ariel G. Loewy
Janis D. Young

Visiting Professors at the U.C. Berkeley Campus
Academic Year 1960-61

<u>Name</u>	<u>Department</u>	<u>Home University</u>
Abrahamsen, E.	Naval Architecture	Norway
Adams, Richard	Anthropology	University of Michigan
Allen, George R.	Agriculture Economics	Oxford, England
Allen, Paul	Botany	University of Wisconsin
Alpert, Richard	Psychology	Harvard
Arrow, Kenneth J.	Economics	Stanford
Barltrop, John A.	Chemistry	Brasenose College, Oxford Uni.
Blunden, William R.	Transp. Engineering	University of New South Wales
Bohm, Karl-Heinz	Astronomy	University of Kiel
Boothroyd, Albert R.	Electrical Engineering	Imperial College, London, England
Boreluis, Carl Olif	Engineering Mineral Tech.	Kungl. Tekniska Högskolan
Bryant, Steven	Mathematics	Fresno State
Bunzel, John Harvey	Political Science	Stanford
Butler, William A.	Physics	Carelton Coll, Northfield, Mass.
Calame, Alexandre	French	Algiers
Campbell, Robert W.	Economics	University of Indiana
Cannon, Walter	History	M.I.T.
Carter, David S.	Mathematics	Uni. of Wash, Seattle & Los Alamos
Clark, Samuel D.	Sociology	Uni. of Toronto
Cohen, Albert K.	Sociology & Social I.	Uni. of Indiana
Craig, William	Mathematics	Pennsylvania State Uni.
Crompton, Louis	English	Uni. of Nebraska
Cummings, Sherwood	English	Uni. of South Dakota
de Jouvenal, Bertrand	Political Science	Paris, France
Dalenius, Tore	Statistics	Stockholm University
Dickinson, Robert	Geography	Uni. of Leeds, Leeds, England
Dwivedi, Shankar	Mathematics	Purana Bajar, Khurja, India
Elliot, Roger James	Physics	Oxford
Engstrom, Arne	Medical Physics	Karolinska Inst. Stockholm, Sweden
Fisher, Harold	Political Science	Palo Alto, California
Fisher, Jerome	Psychology	San Francisco State College
Freiberg, Salomon	Mech. and Design	Uni. of Tucuman, Argentina
Friesen, Earl Wayne	Physics	Uni. of Indiana
Frenckner, Paulsson	Bus. Administration	Bromma, Sweden
Gerber, John C.	English	Uni. of Iowa
Germani, Gino	Soc. & Soc. Instit.	Uni. of Buenos Aires
Gotterer, Malcolm	Bus. Adm. Inst. Indst. Rel.	
Grana, Cesar	Sociology	Uni. of Chicago
Gupta, P.	History	Uni. of Calcutta
Heckmann, Otto	Astronomy	Hamburg, Germany
Holt, Maurice	Aero. Science	Brown University
John, Peter	Statistics	
Kempf, Roger Charles	French	Uni. of Bale, Switzerland
Kendler, Howard	Psychology	New York University
Kitto, Humphrey	Classical Literature	
Klein, Harold P.	Bacteriology	Brandeis
Kosinski, Antoni	Mathematics	Polish Academy of Science
Koszul, Jean L.	Mathematics	Uni. of Strasbourg
Kristensson, Folke	Business Administration	Stockholm School of Economics
Krutch, Joseph Wood	Political Science	Free Lance Writer
Levy, Azriel	Mathematics	Hebrew University, Jerusalem

Lundberg, Erik	Economics	Stockholm, Sweden
Macey, Robert I.	Anatomy & Physiology	Uni. of Illinois
Malinvaud, Edmond	Economics	Limoges, France
Marshall, Ann	Geography	Uni. of Australia
Mauldon, James	Statistics	Oxford
McKay, Robert B.	Law	New York Uni. Law School
Monk, Samuel B.	English	Uni. of Minnesota
Naim, Linda	Mathematics	France
Paris, Harold	Art	New York City
Pole, Jack	History	Uni. of London, England
Ratcliff, Richard	Bus. Adm.	Madison, Wisconsin
Ratoosh, Philburn	Bus. Adm.	
Richards, Owain W.	Ag. Ento. & Parasit.	Uni. of London, Imperial College
Rodriguez, Rafael	Botany	Uni. of Costa Rica
Rosenberg, Alex	Mathematics	Uni. of Illinois
Rossi, Hugo	Mathematics	Princeton University
Rosten, Leo C.	Political Science	Cowles Magazines, Inc. New York
Rothstein, Wolfgang	Mathematics	Uni. of Munster, Germany
Sachs, Jerome	Sec. Teacher Math.	Chicago Teacher's College
Schneider, Heinrich	German	Germany
Schultz, Jack	Agr: Genetics	Huntington Valley, Pennsylvania
Silva, Paul C.	Botany	University of Illinois
Simonson, Ruth E.	Public Health	U.S. Public Health, San Fran.
Smith, Wallace F.	Business Administration	Corvallis, Oregon
Snow, Sir Charles	English	England
Strauss, George	Business Administration	Buffalo, N. Y.
Strutt, Max	Electrical Engineering	Switzerland
Stubbs, Frank	C.E.T.E.	Purdue University
Sundberg, Norman	Psychology	Uni. of Strasbourg
Thom, Rene	Mathematics	Strasbourg University
Tussman, Joseph	Philosophy	Syracuse, New York
Verdoorn, Petrus	Agriculture Economics	The Hague, Netherlands
Webb, James Murray	City & Regional Planning and Landscape Architecture	Uni. of North Carolina
Westheimer, Gerald	Optometry	Ohio State University
Weidel, Wolfhard	Virology & VL	Max Planck Inst.
Wells, James H.	Mathematics	Uni. of North Carolina
Widmer, Kingsley	English	San Diego State College
Wolfe, James	Economics	Uni. of Toronto, Canada
Zelinsky, Daniel	Mathematics	Northwestern University

"Two months, although short, was also long enough to observe from the inside something of what the most competent scientist-administrators can do to provide an effective atmosphere. I have added to my pride in your other accomplishments recognition of the value of your quiet contribution to the scientific atmosphere in Berkeley."

I signed a letter to Everett Howe, acknowledging receipt of the annual report on the Sea Water Conversion Program and the additional Interim Report summarizing their work for the period 1958-1960. I regretted that other commitments prevented my having lunch with him and a group of congressmen yesterday.

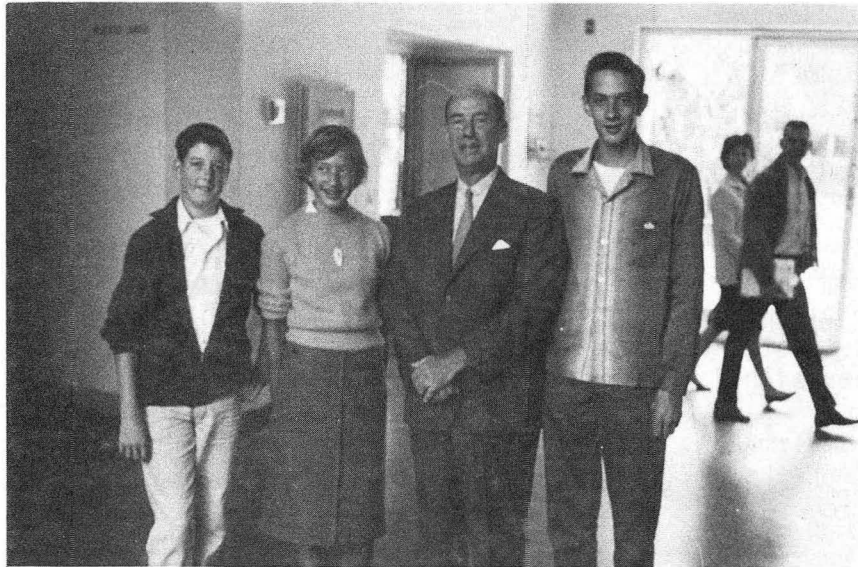
I presided over the first meeting of the Fall Semester of the Chancellor's Advisory Administrative Council, which began at 11 a.m. in order to allow members to attend the speech by Adlai Stevenson, which was scheduled for noon. Guests attending the meeting included Hunter Dupree and Starker Leopold from my Chancellor's Office, Daniel Aldrich (University Dean of Agriculture), C. W. Brown (Acting Chairman of the Department of Psychology) and Bernard Friedman (Chairman of the Department of Mathematics). I introduced the new members of the Council and welcomed back Ed Strong from his sabbatical leave. I then introduced our guests and the new secretary to the Council, Betty Fromm.

I began the meeting with a fairly detailed report on the summer CCCO and Regents meetings, interrupting my account of the July CCCO meeting (which Bill Fretter attended) to ask Dean Stewart to discuss the new regulations concerning the registration of graduate students and the fee allotments for this group. Effective August 1, 1960, graduate students in good standing (unless on approved formal leave of absence) are required to register each semester until the completion of all requirements for a degree, including the filing of the thesis or dissertation.

At about 11:45 a.m. I stepped across the hall to my office, where Pete, Lynne and Earl Peery (Pete's friend from across the street in Lafayette) were waiting in my office to meet Adlai Stevenson. After the kids had been introduced to him and had posed for a couple of pictures, I brought Stevenson and his son John Fell Stevenson, who was accompanying him, into the Conference Room to introduce him to the members of the CAAC. We adjourned the meeting to go to the Greek Theatre to hear Stevenson's talk.

There was an enormous crowd (estimated at about 10,000) assembled to hear Stevenson, who was the popular candidate among the students here in 1956, speak. The crowd was extremely enthusiastic, interrupting him over and over again with waves of applause. Stevenson's main emphasis was, of course, on the qualifications of John F. Kennedy for the presidency, which he said he is confident will be won. He spoke at some length on issues of foreign policy, advocating the transfer of "capital, education and skill", particularly to developing countries, insisting that this is the most effective means available to us to combat communism. He noted that in Latin America, particularly, time is running out and that uncommitted nations, on the whole, are "by no means in love with the West" (referring briefly to Mr. Nkrumah's address to the United Nations as proof-positive of this). He urged disarmament efforts, suggesting that we should show willingness to put some of our military strength under international control (by which, I assume, he meant agencies like the International Atomic Energy Agency [IAEA]). Perhaps the most popular statement made by Stevenson was his mention of Senator Kennedy's leadership in the fight to repeal the National Defense Education

Act. Stevenson was almost mobbed by his fans as he battled to reach his car. He is certainly a most eloquent speaker.



Earl Peery, Lynne Seaborg, Adlai Stevenson and Peter Seaborg
September 28, 1960

I returned to the Chancellor's Conference Room and reconvened the meeting of the CAAC. After we had finished our lunches, I referred to the dittoed report circulated by Registrar Gilliam at the beginning of the meeting, entitled "Growth of Student Enrollments at UCLA and UCB" and asked Gilliam to comment. The unexpected increase in registration figures at UCB for the current semester (9.6% over last year) sets Berkeley some 2,000 students ahead of last year, and leaves UCLA with the smallest increase for this year of any of the University campuses. It was pointed out that some of the factors responsible for the lack of growth in UCLA are living conditions, i.e., the lack of inexpensive student housing in the elite Westwood area, lack of employment in the somewhat isolated Westwood area and difficulty of parking.

I then continued my report on the meetings of the CCCO and the Regents during the summer. After I had finished (which took quite a while since I had to cover four months worth of meetings), Ed Strong reported very briefly on the NDEA conference held in Washington under the chairmanship of Secretary Flemming.

University Dean Dan Aldrich gave a report on the statewide operations of the College of Agriculture, which covered some of the activities on other campuses. The meeting adjourned at 3 p.m.

After a 15-minute break, the meeting of the Academic Advisory Committee began. Present were: W. R. Dennes, S. S. Elberg, G. Mackinney, J. W. MacSwain, A. B. Pardee, A. C. Sherriffs, M. A. Stewart, E. W. Strong and H. Williams.

I began with a review of the history of the charge given to the special committee to study the Department of Psychology and then summarized their

Academic Advisory Committee
Membership List
Fall 1960

Glenn T. Seaborg, Chancellor

Lincoln Constance, Letters and Science

W. R. Dennes, Vice Chairman, Academic Senate, Northern Section

S. S. Elberg, Buildings and Campus Development Committee

A. A. Kragen, Vice Chancellor

G. Mackinney, Committee on Educational Policy

J. W. MacSwain, Committee on Courses

A. B. Pardee, Committee on University Welfare

A. C. Sherriffs, Vice Chancellor for Student Affairs

M. A. Stewart, Graduate Division

E. W. Strong, Vice Chancellor

H. Williams, Budget Committee

Note: The Chairman of the Committee on Committees has not yet been nominated.
He will be added to the AAC at a later date.

recommendations, giving particular emphasis to the recommendation against "fissioning" the Department. I gave my reasons for accepting the recommendations of the committee in total and indicated that I had written a letter to Acting Chairman C. W. Brown laying down the guidelines. I then went on to report that this directive had crossed in the mail with a proposal submitted by Dean Constance by the biologically-oriented group for the division of the present department into two independent departments, Social Personality and Psychological Biology. The proposal has been carefully worked out in detail, including a major curriculum in Psychological Biology. It was linked with the claim that such bifurcation would parallel developments in the overall discipline of Psychology. I asked the advice of the Committee on how to proceed.

After considerable discussion, the Committee concurred with both my directives and the recommendations of the special committee that the Department should not be divided. Mackinney expressed some misgivings about the possibility of keeping clinical facilities modest in light of the probable impact of extramural funds; Alex Sherriffs worries about the public relations problem of "bringing psychotics to the campus" to give students clinical experience. Nonetheless, I insisted that clinical experience is important and that we have to go ahead and develop the facilities. (I think the "psychotic question", the need to bring in outsiders, is a bit exaggerated. It seems to me that we have sufficient problems just within our normal campus community to keep practitioners of Psychology busy.)

Sandy Elberg then introduced the topic of the Biophysics group study by describing the history and the work of the committee. He noted that there is disagreement as to the relationship of Medical Physics with such a department. In one view the status quo should be maintained; in the other view, Medical Physics is not a properly scientific discipline, and establishment of a department of Biophysics should occasion its discontinuance. There is neither a good academic case, nor the grounds of faculty agreement, for its complete incorporation in a department of Biophysics. While there are difficulties, it is probable that the special committee will recommend the creation of an independent department of Biophysics in the College of Letters and Science, incorporating aspects of Medical Physics and responsibility for the graduate work presently administered by the inter-departmental group. Such a recommendation might involve the dispersal of non-eligible aspects of Medical Physics to Public Health or other areas or might involve retaining a smaller Department of Medical Physics, at least for the present in anticipation of medical teaching developments in the East Bay. Morris Stewart asked how this might affect Donner Laboratory, especially the graduate students doing their research there, to which Elberg replied that the status of Donner Lab as an organized research unit would be retained, but its research program would be more inter-departmental in character. I concluded the discussion by stressing the importance of avoiding upheaval in Donner. We adjourned shortly before 5 p.m.

Before leaving for the day, I went through a few more items on my desk. A very long letter from Pete Newell offers considerable detail about the problems he is having trying to resolve the conflict with UCLA over their refusal to allow our Straw Hat Band to play at the basketball tournament. Newell expresses his support for the band, as follows:

"I believe a very important point must be considered on this matter, and that is simply student support of our athletic program. Our band, in particular, as well as our general student body, while vociferous and unruly at times, particularly the student body, have been very active and strong in support of our program during my years here at the University. I feel we should not only recognize this support but we should treasure it. At any athletic contests where the University of California is a participant the right of the students and spirit groups that are supporting the team should first be recognized. There is an implied right of any band or cheering section to support its team in any contest, and this is the ground I stand upon. We certainly can't discourage student support. I feel that maybe one reason we have it is because we have always encouraged it, and I should like to continue to do so."

In an accompanying note Adrian Kragen supports Newell's stand that we should not play in the tournament unless our band plays in the stands. He reports that Wilbur Johns simply refused to discuss this matter with Newell when they met at the AAUW and NCAA presidents meeting last week, an attitude which Kragen identifies as insufferable and typical of Johns. They both question whether I want to bring this up for discussion with Chancellor Murphy; I made a note that I would prefer to have our Faculty Athletic Representative Robley Williams discuss it with UCLA's Faculty Athletic Representative Brad Booth rather than to bring it directly to the chancellorship level.

A note from Alex Sherriffs informed me that a petition is being circulated at I-House against the House Un-American Activities Committee. Bruce Bailey (I-House Assistant Director) wanted to warn foreign students against signing it. Sherriffs, with support from others, told Bailey to leave it alone, insisting that official warning would be dangerous and "foreign students can read anyway."

When I arrived home, Helen told me about her day's activities. She attended a meeting of the mothers of cub scouts in Steve's den at the von der Leiths' house and then later met with Turi Riksheim, co-den mother with Helen for Steve's den, to make plans for activities for their group. This evening Helen is going to a meeting of parents of members of Steve's class in Room #2 at Happy Valley School. She certainly is putting in a full day as "Steve's Mom" today.

Thursday, September 29, 1960

I went by the Radiation Laboratory this morning to sign some letters I had asked to be prepared there. I also dictated a couple of additional letters while there.

I wrote to Franklin Murphy to thank him for the reprint he sent me of his article "Languages and the National Interest", remarking that I heartily agree with all of his conclusions and that I am particularly interested in the new language laboratories' potential for teaching students to speak the language. I noted that this is very important to me.

I also re-nominated Albert Ghiorso for an E. O. Lawrence Memorial Award (given by the AEC), urging that they give him special consideration because this is the final year in which he will be eligible for the award which is given only to young scientists.

When I arrived at my Dwinelle Hall office, I signed the comprehensive report on the proposed Marine Biological Laboratory, which summarizes the history of this project from the very beginning, in response to a request for such a report from President Kerr.

I called Catherine Hearst at her New York apartment this morning. She agreed to arrange for the Hearst Foundation to donate \$5,000 for the production of "Carmen". She asked me to make sure that they are thanked in the program.

At 11 a.m., following a disinterested reception for Head Cheer Leader Bob La Liberte's effort to get a response from the crowd, I opened the first University Meeting of the new academic year on Dwinelle Plaza. My remarks were fairly standard. In the course of them, I asked the students to bear with the inconvenience caused by the construction work on the Student Union Building, the Dining Commons, etc. I reminisced a little bit:

"All of this upheaval brings to mind my own freshman registration at UCLA some years ago. That summer the 'old' campus, a small, comfortable, tree-shaded place in a Los Angeles residential area had been vacated, and the whole University moved to a new spread of 370 acres in the rolling hills of West Los Angeles. The campus that first September was ankle-deep in dust. With the first rains, this became a sea of red, sticky mud. There were no paved roads, only a series of rocky paths that wandered between the buildings. The buildings themselves, now ivy-covered and surrounded by beautiful trees and lawns, looked about as bare and uninviting as a reform school. Otherwise, the process was about the same. And even at that early date, some of the sections I wanted were full before I got there to try to enroll."

I went on to introduce ASUC President George Link, followed by Pete Newell, who has just returned from his triumphs at the Olympic Games in Rome (the U.S. basketball team he coached won the Gold Medal) and who took care of introducing the athletes and coaches and passed out certificates to those who competed for membership on U.S. Olympic teams or participated in the Olympic Games. Unfortunately, Darrall Imhoff, a member of the winning basketball team, was unable to attend in order to receive the resolution of commendation from the Regents. Newell then gave a brief talk on "Rome and the Olympics":

I followed Newell with the presentation of the Brutus Hamilton Award for "the player who has shown the most improvement both from an athletic and a scholastic point of view during the last year" to Jerry Siebert, track star. The Faculty Dixieland Band provided music, a quite spirited rendition of "The Battle Hymn of the Republic". The chief speaker for the University Meeting was Henry J. Lagorio (Associate Professor of Architecture), who has just returned from a sabbatical leave in Rome and spoke on "Rome as a Cultural Center". As is traditional, the meeting closed with the singing of "Hail to California".

I must say, it was quite a disappointing opening University Meeting. It was bitterly cold and the crowd of students didn't seem much interested in anything that was said. The only time they roused themselves at all was to give a round of enthusiastic applause to Pete Newell.

Helen and I then hosted a luncheon at University House for the participants in the University Meeting.

I met with Sandy Elberg at 2 p.m. He told me that Tom Pigford (Chairman of the Nuclear Engineering Department) is thinking about acquiring a neutron source consisting of 150 grams of plutonium mixed with beryllium and this has raised some safety questions in the mind of Hardin Jones. I said that this source could probably be handled if proper precautions were taken with regard to shielding. He also said that Pigford contemplates acquiring a linear accelerator for accelerating deuterons onto a target containing beryllium in order to produce something over 10^{10} neutrons per second. I said that this creates a real health hazard and that I agree with Hardin Jones that this has to be looked into very carefully with respect to where such a linear accelerator would be placed. It would require substantial shielding and might not fit into Engineering Unit #1, but would require a separate building on campus. He also said that somebody in Life Sciences wants to acquire a 50-curie source of cesium-137. Since this emits .66 MeV gamma rays in 92% of its transitions and these gamma rays are only about 10% converted, it is clear that this would also present a very great health hazard and that we should be careful in the planning before an okay is given for the acquisition of such a source.

I met with Dan Wilkes at 2:45 p.m. to discuss public relations activities for this semester.

The Board of Directors of International House, over which I preside, met at 3:30 p.m. Among other business discussed at the meeting were the nomination to the Board of Directors of Robert Blum (President of the Asia Foundation) and the membership of the Committee on Residence and Membership, for which I nominated and the Board approved the following: Alex C. Sherriffs (Chairman), Henry J. Vaux, Katharine A. Towle, Robert A. Cockrell and Mrs. Marian W. Moore. We also talked about the letter received from an "alumnus" of I-House, who is organizing a protest against the rumored change in use of I-House to a regular dormitory. This rumor, which has no foundation in truth, is typical of those alarms that regularly go around the state when the housing crisis in Berkeley is widely publicized.

Attached is a copy of the "progress report" submitted by Milt Chernin summarizing his main assignments last year. Also attached is a copy of the list of membership on subcommittees of the Committee on Buildings and Campus Development (BCD).

This evening, beginning at 7 p.m., Helen and I, together with Clark and Kay Kerr, hosted a reception for new students in the Hearst Gymnasium. We shook hands with I-don't-know-how-many (thousands) students in the long reception line, punctuated by a break during mid-evening. As usual, some students came through twice to try to test us but I managed to recognize a number of them and greeted them with a statement expressing delight at seeing them a second time. Many, of course, were daughters or sons of alumni whom we know.

Friday, September 30, 1960

This morning's Daily Cal reported that over 600 people viewed the film "Operation Abolition" about the HUAAC hearings in San Francisco last May. Another viewing had to be scheduled for later because there were still more students wanting to see the movie at International House. After the film a panel discussion was held about the film's purported bias. An example given

September 21, 1960

TO: CHANCELLOR SEABORG

FROM: MILTON CHERNIN

SUBJECT: REPORT ON MY ACTIVITIES IN YOUR OFFICE 1959-60, WHICH MAY BE OF USE
IN YOUR REPORT TO PRESIDENT KERR.

1. To the best of my memory the following are the most important subjects I worked on during the 1959-60 year.
 - a) Chaired Committee on Business and Financial Officer for the Berkeley campus. This new position was clearly defined; a nation-wide recruitment effort produced a list of five names. You recommended Gilbert Lee of the University of Michigan to the President for appointment as Vice-Chancellor--Business and Finance.
 - b) Finally your office solved the problem of the planned "Free Speech" area at Bancroft and Telegraph by deciding it would not be needed under the new "Kerr" directives.
 - c) Organized an informal Committee of University Faculty and Staff to support the Berkeley City Bond issues and the increase in the Berkeley School Tax at the April, 1960 municipal and school election. These measures failed passage but I believe that the visible University personnel efforts on their behalf strengthened our public relations in the City.
 - d) Refined the operating rules for the Strawberry Canyon Recreation Area in order to make its use more pleasant to more of the University community. As you know, the operation of this facility, without State funds, and with conflicting interests among its users, is fraught with complexities and public relations hazards.
 - e) Worked on your recommendations concerning the acquisition of the Ford Plant in Richmond for a Berkeley Campus Storage Facility. You advised President Kerr to delay the acquisition in order to give the Richmond government and Chamber of Commerce more time to dispose of it to private business in order to keep it on the tax rolls and create a badly needed large payroll in the City. I have been informed, recently, via the gossip route that a sale to private interests has been completed.
 - f) Worked on the request of the City of Albany for a street linking Marin Avenue and Buchanan Street over the Northeast corner of the Gill Tract. This matter is still pending, as far as I know.
 - g) Supervised the Reorganization of Health and Environmental Safety administration on the Berkeley campus. An excellent, expert planning committee is working on a permanent organizational and operating plan for the campus; interim administrative arrangements have been made as statewide decentralized one function after another in this area during the year.

- h) Supervised the reorganization of the Student Health Services by Dr. Bruyn and encouraged him and the Hospital Administrator to prepare plans for a new approach to planning for and financing these services which will clearly differentiate the health services which are given students because of the public health needs of the University and which it should pay for and those services which are furnished students primarily for their benefit which they should finance. This is still in process and Dr. Bruyn should be encouraged and stimulated to propose his plan as quickly as possible.
- i) Continued more or less routine work of the Chancellor's Office in assisting students, passing on requests for fee excuses, etc.

~ 9/60

COMMITTEE ON BUILDINGS AND CAMPUS DEVELOPMENT
and
SUBCOMMITTEES

1960-1961

1) B.C.D. COMMITTEE AND MAJOR SUBCOMMITTEES

COMMITTEE ON BUILDINGS AND CAMPUS DEVELOPMENT

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|-------------------------------|-----------------------------|
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| K. W. Cardwell | C. A. Tobias |
| R. Craig | F. E. Tregoe |
| L. E. Davis | G. E. Troxell |
| L. A. DeMonte, Tech. Adviser | T. Vermeulen |
| C. C. Gilliam, Ex officio | A. R. Wagner, Tech. Adviser |
| J. W. Hutchison, Ex officio | R. N. Walpole |
| R. W. Jennings | Mrs. H. Worden |
| C. L. Nordly | J. A. Zivnuska |
| C. R. Routsong, Tech. Adviser | |

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- | | |
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| K. F. Bock | C. R. Routsong, Tech. Adviser |
| D. P. Furman | H. Worden, Ex officio |
| C. C. Gilliam, Ex officio | |

2) BUILDING AND AREA SPACE SUBCOMMITTEES

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W. H. Hoskins	

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DWIVELLE MALL, COMMITTEE ON SPACE ASSIGNMENT IN

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2) BUILDING AND AREA SPACE SUBCOMMITTEES (continued)

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3) NEW BUILDING PROJECTS SUBCOMMITTEES (continued)

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3) NEW BUILDING PROJECTS SUBCOMMITTEES (continued)

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Mr. James K. Murphy

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S. Wilson
Students: Ronald Lee Hart
Frances Pitlick

3) NEW BUILDING PROJECTS SUBCOMMITTEES (continued)

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D. O. Horning	J. R. Whinnery, Ex officio

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F. E. Tregea	

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STUDENT OFFICE BUILDING SUBCOMMITTEE

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3) NEW BUILDING PROJECTS SUBCOMMITTEES (continued)

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D. P. Furman

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P. D. Hurd, Jr.
R. F. Smith

4) SPECIAL AND OTHER SUBCOMMITTEES

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R. B. Linton

A. H. Miller
H. J. Vaux

MAKING OF BUILDINGS SUBCOMMITTEE

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A. R. Davis
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PARKING UTILIZATION SUBCOMMITTEE

J. F. King, Chairman
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F. E. Woodward

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L. A. DeMonte

J. G. Kemper
F. E. Tregea
T. S. Yukie

of this was the film's statement that only 100 "white passes" (for admission to the hearing room) were issued (mostly to members of the Daughters of the American Revolution and the American Legion) and that the remaining 300 seats were available to the general public; in fact, each of these "white passes" entitled six people to attend the hearing and, therefore, there were not 300 seats free. Members of the panel were Richard (Rick) Chesney (Chairman of the Student Civil Liberties Union), Professor Henry Nash Smith, Irving (Erb) Hall (one of the students arrested at the riots), and Ken Kitch (a member of SLATE and another student defendant).

I received a telephone call from Max King of the public relations firm Whitaker & Baxter, who said that he is representing the Republican National Committee and is handling Richard Nixon's speaking engagements. He said that Nixon will not be able to visit the Berkeley campus, but that Henry Cabot Lodge, vice presidential candidate, could come on Tuesday, October 11th, at 10 a.m. or 11 a.m. I suggested that noon would be a better time, which King said he would try to arrange if Lodge's flight out of San Francisco can be delayed. I mentioned that I will not be available this weekend and suggested that he follow through with Adrian Kragen.

At 11:20 a.m. I met with Chancellor Setsuji Otsuka of Doshisha University in Kyoto, Japan. He was accompanied by D. T. Uchida (who is the father of Yo Uchida, a secretary in the Nuclear Chemistry Division at the Radiation Laboratory) and Shiro Kobayashi of our Institute of Engineering Research. It was mainly a courtesy call. Chancellor Otsuka wanted to know what we do in the way of training the character of our students. I pointed out that this is all indirect, that we don't have a course in character development but that we have a course in the Psychology Department and courses on Philosophy of Religion and History of Religion, but no Department of Religion. He also wanted to know how the support for research from the federal government is handled; I explained our research contract and grant system.

I went to lunch at the Faculty Club, where I talked with a large number of our faculty and staff. At different tables I saw the following people: Bill Gwinn, Gordon Mackinney, Ted McCown, Bob Connick and Bob Brode. I told them each about the possible proposal regarding the revision of University Regulation #4, so that those on nine-month appointments would be restricted to a maximum of two months for work during the summer vacation and those on 11 months could not receive additional pay from University sources for vacation work, mentioning that Harry Wellman has asked for advice on this. Gwinn replied that the Budget Committee would back up my rejection of this proposal. I also told Connick and Brode about my positive view that the University should accept federal aid and that we shouldn't be timid and should accept this philosophy subject to proper local determination of the program. They seemed to agree. I instructed them that this is something that should be discussed by both the Budget and Educational Policy committees.

Continuing my conversation with Brode, I talked about the report to the Regents on research (originally scheduled for the October meeting, but now deferred to November) and told him about my new committee to examine procedures on research contracts. I suggested that we should discuss this general problem and the general problem of federal aid and our welcoming it with the Regents, as well as the general problem of getting a system so that contracts and renewals are processed more quickly, perhaps by not having to report these to the Regents. I urged him to talk with Roger Revelle about this.

Tom Cunningham mentioned that in response to his recent memo regarding fundraising projects, he thinks that it would be an ideal time for us to come in with a request for a Gifts & Endowments officer in our budget. He said that he is suggesting to Franklin Murphy that Lee McLean's time be divided as follows: 10% Earl Warren Center, 60% Lawrence Hall of Science, 25% Cunningham-Statewide, 5% Dentistry. He confided that he is trying to sell Murphy on this so that he will get his own man at UCLA.

Wendell Stanley mentioned his discussion with Adrian Kragen about the statewide special parking for the Faculty Club and said that he hopes this will be settled soon, threatening that he is being pleasant for the time being, but that unless it is settled, he is prepared to "take off his glove."

At 1:45 p.m. I met with Warren Ramsey (Professor of French and Chairman of the Committee on Comparative Literature). He acquainted me with the symposium he is trying to arrange honoring poet Jules La Forge and also their efforts to obtain T. S. Eliot as a Regents' Professor. This is well-summarized in Ed Strong's memo of his appointment on September 21st with Ramsey, so I won't repeat the information. He took up the problem of Comparative Literature. He and others want to have a department or some other mechanism for furthering research and instruction in the field.

When I asked him what would be the advantage of this over continuing as it is, he gave me the following argument: They have no way of supporting graduate students and he feels that they need about six teaching assistants, which they can't get under their current set-up. He disclosed that they can't even get a reader for Comparative Literature 151. Also, they would like to appoint Rene Wellek of Yale University (who they have reason to believe would come to Berkeley), but they can't get permission or the acquiescence of the members of their department. In response to my query, he said that there would probably be four to six members who would form the nucleus for such a department. He said that all the major universities in the United States have either a department of Comparative Literature or effectively operating groups.

I told him that there is a great deal of skepticism among the Academic Senate committees and in the Chancellor's Office about the proliferation of such departments, that is, the fissioning of departments into segments with the resultant fragmentation of knowledge. He said he is familiar with this argument and that this was treated among the papers in the full folder on this subject which Ed Feder has. I said that we will study the problem further and that I will ask Ed Strong to continue to look into it further.

At 3 p.m. I met with E. T. Grether, who asked me whether he should publish the two sentences which were omitted from the copy of his statement on the Kerr Directives published by the Daily Cal. In the balance we agreed that we should have it published.

At 4 p.m. I hosted a meeting of prominent alumni (list attached) to discuss our intercollegiate athletics program. At the meeting Robert Woodward (Vice President of O'Day Pacific Corporation) mentioned that Allen Puckett (Vice President of Hughes Aircraft in Los Angeles) would be a good person to talk with about supporting scholarships for deserving students. He is particularly interested in supporting science education and has a son, Allen, Jr., who is a science major here.

SEPTEMBER 30, 1960 MEETING

Alexander, T. A.
Archer, James W.

Bellquist, Eric C.
Blessing, Don
Bottari, Victor

Corley, James H.
Cunningham, Thomas

Davis, William J.
Dean, Walter
Dumm, Robert

Erickson, Richard

Franich, Marty
Frost, Henry K.

Greig, Robert W.
Griffin, Michael

Harbach, Edwin
Hooper, Wayne

Johnson, William H.

Karpe, Robert
Keeler, William N.
Kletgaard, Robert
Kragen, Adrian

Link, George
Lom, Ben

Mason, Elmer
Mason, Tom
Meux, William
Muller, Harold P.
Mulvany, Robert F.

Nordly, Carl L.

Oliver, William L.

Pace, Nello
Peter, Dick

Rawn, Jr., William L.

Salvin, Herman F.
Shepard, William F.
Sherriffs, Alex C.
Smith, Mortimer
Stock, John V.
Symes, John P.

Taylor, Judge Wakefield
Tipton, James L.
Tuck, Robert W.

Van Camp, Bryan
Van Sandt, Meredith

Williams, Arleigh
Winterbottom, R. T.
Witter, Jean

Helen told me that she had an appointment with Dr. Redmond this morning to talk about David's orthodontic work; after school Pete went by the doctor's office to get an allergy shot.

In my study this evening I read some papers I brought home from the office with me. Bob Underhill wrote to describe the negotiations for the Anna Head School property, which are proceeding slowly.

Regent Victor Hansen wrote to pass on a story about the treatment that one of his friend's sons had from one of our staff:

"... a very unusual attitude, in fact belligerent. He suggested to Michael that he might stay out of school for two years and earn enough money so that he could return without having to make a loan. Certainly, such a comment was uncalled for. I hate to pass on such information to you, but I do feel that the Public Relations of the University is very important. I also feel that it is not the function of administrative officers of the inferior grade to assume the attitude of belligerency, or being critical of students who are trying their best to make a good scholastic record."

I certainly agree that such a comment would be uncalled for and will ask someone in my office to look into this.

Saturday, October 1, 1960

Together with Kay Kerr I hosted a luncheon at University House that was attended by several generals, including Superintendent of West Point William Westmoreland and Commanding General of the Presidio Robert M. Cannon, and a number of Berkeley businessmen.

We all went up to the Memorial Stadium for the football game. At half-time I was interviewed by Stan Lomax, who was broadcasting the game for WOR in New York City and for the U.S. Armed Forces Network overseas. I described our campus in general, went into our record for Nobel laureates on one campus and emphasized my own interest in athletics, predating my service as Faculty Athletic Representative and then Chancellor.

The Bears lost to Army by a score of 28-10. We were leading 10-6 with 9 minutes and 16 seconds left in the game. Then Army scored 22 points to win the game.

At the Connicks' cocktail party for members of the Chemistry Department faculty this evening I talked with Melvin Calvin about his building. He asked whether it would be possible to present this for approval at the October Regents Meeting, which he feels is very important because the Kettering Foundation Board meets before the November Regents Meeting and they should know what the reaction of the Board of Regents is. I need to look into whether the site clearance has to go to the Regents for approval and if anything more has to be approved by the Campus Planning Committee before being considered by the Regents.

I also talked to Bill Giaque and others about suggestions for solving the congestion at the construction site for the Chemistry Building. One suggestion made was that a one-way exit be set up at the end of College Avenue (i.e. keeping posts half-way across but removing them from one side and perhaps copying the UCLA plan of spikes to prevent cars from going in the opposite direction). Such a plan might cost a little bit of money but it would be worth it if it would relieve the very bad congestion now caused by the area in which trucks and faculty drivers turn around.

I read a letter from Richard H. Waters, the student who attended my Student Office Hour a couple of weeks ago to air his complaints against the Department of Mathematics' conduct of his qualifying examination. He encloses a copy of a document dated March 14, 1957, which details the contents of the qualifying exam in Mathematics, which he says "constitutes a contract". Waters goes on to say:

"In my work for the Ph.D. degree, I have acted in good faith. The University has knowingly, willfully, and flagrantly breached this contract. As a consequence, it is not possible for me to continue to work on the Ph.D. degree. I have no alternative but to demand that the University of California grant immediately to me the Ph.D. degree in mathematics. I further hold the University of California and members of its faculty, in due proportion, to be fully responsible for all damages incurred by me as a result of this breach of contract."

Waters writes further instructions to me about the responsibility I have to maintain the "moral and ethical integrity" of the University and to urge me to begin "negotiations" with him. I am afraid this young man is seriously

disturbed. His idea that he will be rewarded with a Ph.D. for having endured (and failed) a prelim exam is completely ridiculous. It is true, of course, that the contents of a prelim exam vary from one committee to another and from one instance to another; however, this is a part of the system- a student needs to be well-prepared in a wide range of areas in his field in preparation for the possibility of a surprise question from one of his examiners.

Sunday, October 2, 1960

I enjoyed a full 18 holes of golf at the Contra Costa Country Club with Stan Thompson today, scoring 96 to his 95.

Monday, October 3, 1960

I spent the morning at the Rad Lab. I wrote a reference for Anthony Turkevich in support of his application for a senior postdoctoral fellowship through the National Science Foundation. Tony and I worked together on the Plutonium Project at the Met Lab during the War. I rated him as one of most outstanding scientists I know.

At 10:30 a.m. I met with Wally Reynolds and Bob West, who gave me a kind of plan for administration action for the Radiation Laboratory Development. The idea is to eliminate paper work but at the same time cooperate with the Berkeley campus. I have marked a couple of places with a question mark. I will ask Adrian Kragen to talk further about this with West.

I stayed up on the Hill through the luncheon meeting of the Chemistry staff.

I arrived at my Dwinelle Hall office in time to take care of some correspondence before my meeting with Lincoln Constance at 2 p.m.

Akiko told me that a message was received from Senator John F. Kennedy this morning, regretting that he cannot rearrange his schedule in order to talk to our student body.

I signed a letter to the Committee on Public Relations commenting on their report to me dated June 23, 1960. Among other things, I noted that Charles Y. Glock (Survey Research Center) is trying to get funding for a study of attitudes in California toward higher education; that the Personnel Department has undertaken an orientation program for non-academic employees, which emphasizes the importance of good public relations; that I have initiated a newsletter "From the Chancellor's Desk" to alumni; that I have launched a luncheon series for community leaders; that I have requested a study by the Business Office on the buying policies of the campus as they relate to Berkeley business people; and that I am interested in the idea of a campus Open House, but have been unsuccessful in interesting the CAAC or the Committee on Public Ceremonies.

I then reported on the following actions:

"1) When because of fiscal policies requiring that each activity pay for itself University Extension decided to abandon the already-dormant Speakers Bureau, I approved funds in the 1961-62 budget request of Public Information for continuation of the Bureau. Extension executives, meanwhile, have reconsidered their decision, and are continuing the

Bureau. They have hired an intelligent woman, Mrs. Renee Peterson, wife of a faculty member, half time for this job. I had Mrs. Peterson come to a recent cabinet meeting to discuss plans, and believe that she can be quite effective. With only one-half FTE, the Bureau will be quite limited of course. However, I am hopeful that Mrs. Peterson can show on a limited scale what can be done in operating a high quality speakers bureau. Further help may be possible if her effort succeeds.

2) I have approved an item in my 1961-62 budget requests for a full time gifts and endowment operation. We are now attempting to raise funds for the Warren Legal Center and the Lawrence Hall of Science, and there are other opportunities for obtaining support for University projects and efforts.

3) The statewide Official Publications Office is now in process of decentralization. This will mean more local control of our publications.

4) The Architects and Engineers Office has prepared a proposal for a system of locator maps on the campus, and it is now under consideration.

5) In the official football programs for home games this fall we are devoting a page each week to some non-athletic aspect of the University. I enclose a copy of the page in the first issue. Our plan is that subsequent issues will be devoted particularly to various faculty members.

6) In addition, through the courtesy of the sponsor of the radio network broadcasts of California football games, we are able to have a 50-second spot about non-athletics aspects of the University on the roundup following the game each week.

7) Our Public Information Office has initiated a more active campaign to supply news of interest to education editors in California and elsewhere, on a basis similar to that undertaken with science editors for some time. The purpose is to bring to the public as broad an understanding of the University as possible.

8) Legislative Relations. Special measures included invitations to the Alameda-Contra-Costa-County delegation to be my guests at a weekly newspaper editors workshop September 17. While only two could attend in this busy political season, the circumstances of their presence made the effort rewarding. An attempt to stage a legislators' day earlier in the year fell through because of scheduling difficulties. A further attempt will be made, with the assistance of the Bureau of Public Administration, after the election."

I sent a copy of their report and my reply to Clark Kerr for his interest (with the hope that he will agree that we are making good progress on the Berkeley campus in the area of improving public relations).

I also signed a letter, drafted by Kitty Malloy, to Regent Victor Hansen, expressing regret about the difficulties encountered by his friend's son in obtaining financial aid here. It is not clear that the situation was exactly as described to Regent Hansen; nonetheless, we must appease a Regent.

I read a copy of memo from Albert Pickerell to Jack Oswald, responding to a request for information about the film "Operation Abolition" which the Regents want to see. Pickerell provides some interesting information on this:

"I understand the question has been raised as to whether there is more than one film available on this incident [the riot at HUAC meeting at San Francisco City Hall in which some of our students participated and were arrested]. As far as I have been able to determine there is only one film-- "Operation Abolition", which carries no credits but appears to have been produced with the cooperation of the House Committee.

"Cap Wineberger [sic], on his weekly show on KQED ("Bay Area Profile") did deal with the riots and showed considerable footage, which was obtained from KPIX and KRON. The film was returned to the stations, however, and KQED has only an audio tape.

We have talked with various persons at the television stations and it appears fairly certain that the film "Operation Abolition", is composed entirely of footage made by KPIX and KRON and obtained by the committee through subpoena.

Some of the news executives of the San Francisco stations were unhappy and talked vaguely about suing 'somebody' but the management decided against it.

Station personnel said the only way copies of the original footage can be obtained is by subpoena. (We probably could get some of the original footage if we really wanted it, but there seems to be no pressing reasons to attempt to do so.) Some of the original footage is reported to be in the vaults of the San Francisco police department, ordered there by the counsel to the committee.

The television station people generally feel that the film being shown (Operation Abolition) constitutes a fair representation of the entire footage and whatever slanting was done was in the narration and in the inserted shots, such as of the Daily Californian and the talks by the Congressmen."

Constance and I got together in my office for our weekly meeting at 2 p.m. Ed Strong joined us for the discussion of the letter received from the "Psychobiology" group protesting my directive regarding the Psychology Department of September 20th. The letter, which was signed by Tom N. Cornsweet, Gilbert M. French, Rheem F. Jarrett, David Krech, Gerald E. McClearn, John P. McKee, Leo J. Postman, Donald A. Riley and Benbow F. Ritchie, states that:

"Our fundamental disagreement with the announced new policies stems from three major considerations. First, your committee was in error in believing that the individuals with whom they conferred reflected the entire spectrum of attitudes in the Department of Psychology. Second, we are convinced that the concentration of authority in the hands of the chairman will not provide a solution to our problems. Such a solution would ignore the true sources of our difficulties and would only aggravate an already impossible situation. Moreover, in view of the irreconcilable cleavages within the Department no individual chosen for this role could command the necessary confidence and support of all the major groups of

the faculty. Finally, we question the wisdom of the committee's recommendation for a senior appointment in clinical psychology within the Department..."

After putting forth the case for "fissioning" the Department, the letters goes on to make the point of "irreconcilable differences" even more strongly:

"The reading of our proposal will also make clear the reasons for our profound objections to the appointment of a chairman with a mandate to impose a peace on us through administrative leadership. Such an attempted solution of an academic problem could only increase the difficulties which arise from the presence of two competing disciplines within the same department. Any chairman attempting to do justice to both disciplines would be paralyzed by the incompatible pressures on him. What is more, with the possible exception of the present acting chairman, there is no individual who could conceivably be accepted as an impartial arbitrator by both contending factions. All eligible members of the staff are identified with one or the other of the two disciplines, and whoever the individual chosen might be, he would be hopelessly handicapped in carrying out his mandate. A freezing of the structure of the Department under such a regime would, we believe, work severe damage on the faculty and in turn have its inevitable corrosive effects on our teaching and research.

Your committee has recommended the appointment in the Department of a senior person in clinical psychology to direct the activities of a new psychological clinic and to 'strengthen its (the Department's) clinical-personality group...' We trust that this proposed appointment will be put before the Department faculty as all new appointments always have been. If that is done we shall probably feel compelled to oppose it strenuously on the grounds that this new appointment has no realistic relation to the Department's personnel needs as long as it remains a single department."

I informed Constance and Strong that I have decided to reactivate the Hoos Committee (with a new chairman) and to assure the complainants that their recent proposal will receive careful consideration.

I told Constance that Grether would prefer to settle the dispute between Business Administration and Economics regarding Flood Foundation funds without Constance sitting in on his meeting with Aaron Gordon. He said this would be fine with him.

He informed me that the co-chairman of the Department of Anatomy-Physiology, I. Lyon Chaikoff and C. Willet Asling, have asked for a review of the combined department's status, which was promised in Constance's directive of June 23, 1958. I said I would refer this matter to Errol Mauchlan for the attention of the Academic Advisory Committee.

At 3 p.m. I met with Clayton Peterson, Art Sherman, Adrian Kragen and Tom Cunningham to talk about the fundraising plans for the Earl Warren Legal Center and particularly about the activities of the professional fundraising organization we have under contract for this campaign.

Dan Wilkes and I met with Jerry Beatty (Executive Editor of the Berkeley Gazette) and Donald J. Wood to discuss plans for the Gazette to provide more student coverage of the campus. A key point in the discussion was the prospective hiring of journalism students part-time to cover campus events.

In the course of the conversation Dan Wilkes and I expressed some concern that the students might not do much better than the reporters for the Daily Californian and I said that I feel this would be unfortunate for the campus.

Beatty assured us that the reporters will be competent, with some newspaper experience and that they would be carefully supervised by Everett Johannes (City Editor of the Gazette). Inaccurate reporting will not be tolerated, Beatty emphasized. He also said that the posture of increased coverage of the University will be friendly to the University. He said also that the major purpose is to gain circulation with the campus audience, both faculty and students. The Gazette will continue to use our public information releases much as they have in the past and the projected coverage will be additional. One thing they hope to do is extend their coverage of student affairs attempting to give a more accurate and sympathetic reporting of these activities. Dan and I both expressed satisfaction with the projected plan and willingness to cooperate with the Gazette on this on an experimental basis.

The University Bulletin of today's date carries the following announcement of University policy with respect to staff members participating in political activities in connection with the 1960 elections:

"University policy, supported by State law, prohibits the use of the name of the University, without the express consent of the Regents, in connection with any meetings or promotional activity which has for its purpose the support or opposition to any political candidate or activity.

University Regulation No. 17 provides that campus 'facilities may not be used for the purposes of raising money to aid projects not directly connected with some authorized activity of the University.'

The Hatch Act further restricts certain political activity of University personnel who are also in the direct employ of the Federal Government and prohibits the solicitation or receiving of political contributions by anyone in buildings where such Federal employees work."

At 4:30 p.m. I met with a group of faculty from the School of Business Administration (including Frederick Balderston and Walter Galenson) to discuss problems there.

Helen told me that she and Kay Kerr hosted a luncheon at University House today for Navy wives. After school was out, Helen held Steve's Cub Scout den meeting at our house.

Tuesday, October 4, 1960

Helen was hurrying around this morning getting the kids ready for school and Dianne settled because she and Kay Kerr are hosting a coffee for new faculty wives at University House at 10 a.m.

When I arrived at my Chancellor's Office I signed a number of memoranda which had been prepared for my signature. Two went to President Kerr; they both request approval of appointments for the Berkeley campus-for David Stewart as Educational Placement Office Manager and for Ernest S. Starkman as Admissions Officer.

Ed Strong drafted a letter, which I signed, to those members of the faculty of the Psychology Department which wrote such a strong letter of protest to me, informing them that I have decided to appoint a special faculty committee to discuss their proposal and continuing:

"Pending report from the special committee and such actions as may be forthcoming following administrative reviews of the report, the decisions announced in my letter to Acting Chairman C. W. Brown remain in effect. The Department of Psychology, formally constituted as a single department, has of necessity to administer its affairs in a continuation of this framework, unless some modified or alternative organization is subsequently approved. I want to make clear that my announced decisions are not inalterable, but want also to make no less clear that, pending outcome of further review, members of the Department are expected to work with the Acting Chairman in assisting him to meet his responsibilities both to the departmental staff and to the Dean of the College of Letters and Science and the Chancellor."

I dictated and signed a letter to Wally Haas, whose son is now a student here living in one of the new residence halls, saying:

"It is always gratifying to find that our alumni have seen fit to encourage their offspring to become members of the Berkeley family, and especially true in the instance of one who has given so much support to the physical plant and activities on this campus."

Beginning at 10 a.m. I held my Student Office Hour, to which a number of students came. Larry Bakken wants to know why graduate students could not belong to the ASUC, so I gave him a short description of this history. I said that the matter of a separate students' organization for graduate students is under consideration and suggested that if he wants to participate in this, he might see Vice Chancellor Sherriffs or Dean of Students Shepard.

As a second point, he said that he had been active as a graduate student at Minnesota; in fact as a graduate student he was secretary of the student body and in this connection he wanted to tell us that they have a much better orientation than we do. He described their program: new students come to school a week early for the program which is conducted by students. I suggested he tell Sherriffs and Shepard about this, also.

Jobyna Akers came to complain about parking. She said that she tried to drive on the campus the other night and couldn't. She found a parking place outside the campus and then when she walked onto the campus she found there were many empty places. She lives at home about three miles from the campus and has to pay her parking fee when she comes in during the day. She objects to having to pay a second time to park on one of the peripheral lots when she comes back at night after going home for dinner. I explained to her the difficulties about parking and how at night, some nights, the campus is so full that professors who have to pay for their parking can't find a place to park. I told her that we would look into the problem of her having to pay twice as a result of her living far enough away from the campus to make it necessary for her to drive home to dinner. I said, however, that I am not at all sure that anything can be done.

Ellen Wedum, a sophomore Physics major (who appears to be a very serious student if one can judge by the fact that she was studying while waiting her turn in the waiting room), complained about the new rule that she has to be back in her dormitory (Cunningham Hall in Unit #2) by 10:30 p.m., which she says works a real hardship. She said that the rules for freshmen have been liberalized, that is, it used to be that they could only be in the library until 10 p.m. and now they are free to go anywhere until their 10:30 p.m. curfew. However, the rules for sophomores have been made more strict. Last year they were allowed to stay out anywhere until 11:30 p.m. and now they are due back by 10:30 p.m.

Vladimir Shkurin, a junior working for his second bachelor's degree in Engineering after having earned a bachelor's degree in Slavic Languages, said he was simply interested in my Student Office Hour and wanted to know what kind of students come to these and what sort of problems they discuss with me. I gave him a cross section report of the students who had visited with me so far. He is interested in going into administration and said he was, therefore, interested in learning how I combine the work associated with my chancellorship with my scientific research.

He asked whether the University could provide some sort of baby-sitting facilities on campus. His wife is a graduate student in Social Welfare and they have two children as well as his wife's little brother (or sister?) to care for. I said that such a baby-sitting service could not be a proper function of the University itself; it would be a job for the ASUC.

We also discussed briefly the present tendency in the schools to place emphasis on education for life adjustment and whether it would be possible to change the grammar schools over to more basic curricula. I called attention to the recent San Francisco report by a committee of University of California and Stanford professors and the trouble they ran into when they made recommendations for such a change. I told him that the University can only act in an advisory capacity in this connection.

David Johnson is interested in making a career with a university, preferably in administrative work. He said he thinks he could make his greatest contribution to humanity if he does this. He has already talked to Forrest Tregga and Frank Kidner and has an appointment set up to meet with Arleigh Williams about possible positions. I told him that he might want to talk to Elmo Morgan about possibilities in the statewide administration.

Robert Valentine, a graduate student in Chemistry working with Bill Giauque, had an unusual problem. He uses a galvanometer for his readings and has a difficulty in that his glasses hit the eyepiece of the instrument. He wants to have contact lenses to solve this problem. He went to the School of Optometry, where he was told that they are too busy to make lenses for him, mentioning that if he were a football player or a track athlete they would have been able to take care of him. I promised to bring this to the attention of Dean Meredith Morgan of Optometry.

The last student, Mary Lou Vold, is the daughter of my friends, Robert and Margie Vold who both obtained their Ph.D. degrees in Chemistry at Berkeley in the late 30's, when I did. She came in to meet me. She said in particular that she wanted to say how pleased she is with the Kerr Directives and how disgusted she has been with the treatment of them by the Daily Cal.

She also asked me about the conversations I had earlier this morning with the other students attending the Student Office Hour. I gave her the example of Ellen Wedum's complaint about the 10:30 p.m. curfew. Miss Vold agreed with this, saying that she also feels that it is an unreasonably early hour and that as a sophomore last year, she used to study regularly until 11 p.m. in the library with her fiancé, Lynn Linman, a Physics major who has expressed the desire to meet me. I told her to encourage him to come to my office to meet me.

At 11:15 a.m. I met with Blake Reynolds, a 1959 graduate of the University of California now working for Boeing in Seattle. He is interested in a new approach to world peace and asked me a lot of questions, which I answered off the record. One of the questions was whether I think a private effort like he is engaged in is worth the effort; I told him I think it is, providing that it is emphasized that it is a new approach and that it doesn't get categorized with some of the ineffectual Ban-the-Bomb movements (even though these movements are entirely proper and on the right track). I said that isn't the question: apparently such movements have been discredited in some quarters and that he should be careful to start off something new and let it establish its future on this basis. He showed me a letter that he has drafted to Vice President Nixon which was rather vague in outlining his program. He said that it has been subjected to criticism for this reason. I told him that his letter would necessarily have to be vague, making the suggestion that he add a paragraph disassociating his approach from some of the others. He said that he is going to see other faculty members on the campus, such as Eugene Burdick, Peter Odegard and Leslie Lipson; I suggested he add John Rasmussen and Earl Hyde to that list. He asked whether he could say that I encouraged him to pursue this; I said he may.

Sam Silver and I met for about 30 minutes, beginning at 11:35 a.m. He gave me a status report on the Space Sciences Laboratory, which he serves as Director. He told me about three contracts we have with NASA--a two-year contract for about \$280,000 covering Tobias' work, another covering the work by Calvin and Weaver, and then a little one of about \$16,000 covering Elberg's work. We have submitted a proposal to NASA for about \$130,000 to cover the operation of the Space Sciences Laboratory itself, that is, the administrative budget, etc., but there has not been any word on this yet. If it comes through, we will have to be in a position to use it right away. However, in the meantime, we have the serious problem of how to operate during the present fiscal year 1960-61. Due to the cutback by Sacramento of the Space Sciences budget we are operating about \$25,000 short of needs.

Silver feels that we need about \$12,000 in order that we might get some help (he is doing all the work himself) and in order to cover his travelling expenses because he has to make a large number of trips to Washington. I said we will look into the possibility of getting money for him and pointed out that we have asked for an increased budget for 1961-62. We discussed the possibility of his approaching the Miller Institute, if all else fails. We then discussed the possibility of approaching NASA jointly coinciding with one of my trips to Washington and hit upon the possibility of doing this on November 14th, when I will be in Washington for a PSAC meeting. I suggested 2 p.m. for an appointment.

I presided over a meeting of my Cabinet, which everyone was able to attend, at noon. As usual, we went through a long list of items, only some of which I will note here:

It was agreed that Sherriffs would inform Shepard that although there are variations in intensity of feeling, most members of the Cabinet think that if the facts as reported are correct, the housemother at Stern Hall should be fired.

Kragen reported that a television show on KPIX called "Checkmate" has as its main character a professor of criminology "at the University", which is clearly identified as UCB. It was agreed that Dan should watch the show to see if there is anything we can do about it.

We talked about the present status of the Computer Center, Livermore's development of educational facilities, and the replacement of Grether as Business Dean upon his retirement.

It was agreed that George Link should introduce Henry Cabot Lodge for his speech here next week.

Cecil Thomas (Stiles Hall) has requested the loan of our print of the film "Operation Abolition" to show to members of the Board of the YMCA. It was agreed that we should stick by the position that our print is for official use only.

It was agreed that we should refuse permission for Christian Science to have a lecture on campus, because of the title of the lecture.

Kragen explained that Summer Session students paid \$1.50 to the ASUC, for which Dean Marsh says they have received nothing. Dean Sheats says that the summer session fee is to be \$82 for all campuses and that the \$1.50 has to be added on top of that. After Sherriffs looks into the advisability of the ASUC receiving \$1.00 instead of \$1.50 as previously suggested, Kragen will tell Marsh that Summer Session students are to continue to pay a fee to the ASUC.

Another suggestion was for incidental fee support purchase of blue books, which is considered an important step to prevent cheating.

It was agreed that our original recommendation regarding the Art Center should stand and that the letter should state that we do not recommend the use of the incidental fee to pay for the Art Center, on the basis of appropriateness.

It was pointed out that the alumni film is out of date and that we should have suggestions from Constance and reactions from the deans at the CAAC meeting where it was shown, to include in the new film. Most important, however, is that emphasis should be on the academic side.

Dan Silver should meet with me about the appointments to the Consultative Board of the Daily Californian.

I noted the 3% increase in enrollment not counted on this year which should be picked up in the increase in our next budget.

At 2 p.m. Sandy Elberg and I met to discuss business of the Buildings and Campus Development Committee. I signed a letter which he had drafted for me to Elmo Morgan emphasizing the importance of the establishment of the Low Energy Nuclear Research Laboratory (Step 1) on the Davis campus:

"You will recall that the construction of Professor Calvin's Photosynthesis Laboratory, which will be on the site now designated for Chemistry Unit 3, is dependent on the removal of the Crocker Laboratory Building and its 60" cyclotron. Since the Atomic Energy Commission's support for the moving of the 60" cyclotron to Davis, and its support for subsequent operation there, depends on the availability of the building to house it, the entire future of nuclear physics at Davis depends on their acquiring this building in time for the move. In view of the importance of this project, I would be prepared to ask our Buildings and Campus Development Committee to consider ways and means of assisting in the funding of this Davis project even at the expense, perhaps, of part of one of our own projects."

Helen and I hosted a reception at our home in Lafayette for departmental chairmen and their spouses, beginning at 4 p.m.

In the evening we returned to the campus to attend the McEnerney Lecture by C. P. Snow. He spoke on "The Role of Humanities in an Age of Science" in Wheeler Auditorium. After the lecture we stopped by the reception which the English Department hosted in honor of the Snows at Alumni House.

Wednesday, October 5, 1960- Oak Ridge, Tennessee

A driver from the Radiation Laboratory picked me up at home at 6:15 a.m. and drove me to the San Francisco Airport, where I caught United Airlines Flight #846 departing at 8:05 a.m. and arriving at O'Hare Airport in Chicago at about 3 p.m. I took a limousine to the Midway Airport and there boarded Delta Airlines #423, which left shortly after 5:30 p.m. and arrived in Knoxville, Tennessee at 8:20 p.m. I took a limousine from there to Oak Ridge, where I checked into the Holiday Inn for the night.

Thursday, October 6, 1960- Oak Ridge, Tennessee- Washington, D.C.

The Oak Ridge National Laboratory Advisory Committee for Chemistry, of which I am a member, met in the Auditorium in Building 4500 at 9 a.m. I listened to the following presentations:

Introduction (E. H. Taylor)

The Action of I and CO as Inhibitors of the Dissolution of Iron by Sulfuric Acid (G. H. Cartledge)

Evidence for Thermal Spikes in the Alpha Particle Decomposition of Solid Nitrates (C. J. Hochandel)

Radiation Chemistry of Sulfuric Acid Solutions (J. W. Boyle)

Metal-Molten Salt Systems (M. A. Bredig)

High-Temperature Aqueous Spectrophotometry (W. C. Waggener)

Ultracentrifugation and Light Scattering of Electrolyte Solutions (J. S. Johnson)

High-Temperature E.M.F. and Solubility Studies (M. H. Lietzke)

I spent the afternoon visiting with some of my many friends at ORNL and learning more about the progress of their research. In the late afternoon I met with members of the Advisory Committee to discuss the content of our report to the management of the Chemistry Division.

In the evening I caught a limo from Oak Ridge back to Knoxville, caught a American Airlines Flight (#618) to Washington, D.C., took an airport limo into town and checked into the Statler Hilton, and fell into bed since it was then almost midnight.

Friday, October 7, 1960- Washington, D.C.- New York

This morning shortly before 10 a.m. I went to the new headquarters of the American Chemical Society at 1155 16th Street, a rather impressive new building. The old quarters of the Society have been long since overgrown. A number of invited guests, including me, attended a presentation of the new building in the assembly room (which holds more than 200 people). The Building Committee, the Fund Raising Committee and the architects took this occasion to formally pass the keys to the building to Alden Emery through Art Cope.

After this ceremony we all walked to the Statler Hilton Hotel, where the Corn Products Company hosted a luncheon in honor of the dedication of the new ACS headquarters.

We then went to the auditorium of the Carnegie Institution (1530 P Street). I gave a talk entitled "New Currents in Chemical Education" with particular emphasis on the CHEM Study project. The two other speakers at this event were William A. Noyes, Jr. and Charles A. Thomas.

At this event I spoke with Arne Tiselius, who has just been appointed Chairman of the Nobel Foundation. We had a very intriguing confidential discussion of some future prospects for Nobel Prize winners.

At 6:15 p.m. I boarded American Airlines Flight #288 to New York, arriving at La Guardia at 7:30 p.m. I took a taxi to the St. Moritz Hotel on Central Park South, where I spent the night.

Saturday, October 8, 1960- New York and Home

At 9:30 a.m. I attended the meeting of the Board of Directors of the National Educational Television and Radio Center in the Coliseum Tower Building on Columbus Circle. Other directors present included Lowell, Case, Cousins, Hazard, Hull, Michael, Probst, Shuster, Starr, Stoddard, White and Wittcoff. Staff members Hudson, Kraetzer and Yourd also attended.

After the routine reading and approval of the minutes, etc., Ralph Lowell directed the attention of the meeting to Section 43 of the by-laws (regarding technical production of programs by the corporation).

We also reviewed the budget for 1961 and the financial report for the first six months of 1960 and heard reports from various committees.

After the luncheon I went back to the St. Moritz, picked up my bags and took a taxi to the Idlewild Airport, where I boarded TWA Flight #49 which arrived home in San Francisco at 7:40 p.m.

A Lab driver picked me up and took me home to Lafayette, giving me some papers from my Chancellor's Office, as usual. Helen told me about her and the kids' activities while I was gone, which included a College Tea at the Faculty Club and a coffee gathering at Marge Alexander's house for Helen, Lynne signing up for a Girl Scout cook-out at Twin Canyons, and Steve playing touch football with his Cub Scout den.

Sunday, October 9, 1960

I played eight holes of golf with Dan Wilkes and another member (named Chandler) at the Contra Costa Country Club today. Dan shot 41, I scored 53 and the other man, 44.

I read a number of the papers which the Lab driver delivered from my Chancellor's Office last night. A note from Adrian Kragen describes his meeting with Assemblyman Don Mulford this week:

"He is, as you know, quite exercised about the situation on the conduct of the students at the House Un-American Activities Committee here and the effect it is having on our public relations. The problem that he said bothered him was not so much the students in the halls who came from all sorts of colleges and who were not necessarily students, but those who came into the meeting room with Cecil Thomas of Stiles Hall, identified themselves as students of the University of California, and then, in his opinion, acted in the committee room as hoodlums, and with a complete disregard for the conduct of the Committee Hearing. He felt it was wrong for us to disavow any connection with this group and that we should have taken some steps at least to investigate and see whether there was a real connection, especially in the Stiles Hall area."

A number of letters were sent out under my name last week. One went to the Robert D. Calkins (President of the Brookings Institution) in response to their inquiry about whether the University of California would participate in a study of the impact of federal programs on higher educational institutions. Starker Leopold's draft answered that we will and suggested the following persons for contacts, for the reasons noted:

"1) Vice-Chancellor Edward W. Strong is serving in my stead as a consultant to Secretary Arthur Flemming in developing the N.D.E.A. program; 2) Professor A. Hunter Dupree is representing this University in the Carnegie Foundation's Advancement of Teaching "Study on the relationships of the federal government with higher education". This study will undoubtedly cover much of the same ground as your survey; and 3) Professor A. Starker Leopold is working with a faculty committee on this campus in appraising the effects of grants and contracts on the growth and functioning of the University of California and on developing effective administrative means of guiding this growth."

A directive went out to all department chairmen, deans, directors and other administrative officers changing the procedure for amending the operating budgets of their units.

Ed Strong sent out confidential memos in my name inviting Herbert Blumer, Lincoln Constance, Curt Stern and Dwight Waldo to serve on a special committee under the chairmanship of Alden Miller to study the proposal to divide the Department of Psychology.

Adrian Kragen sent a note to Pete Newell passing on my nomination of Robley Williams as Faculty Guest for the USC football game and Wendell Stanley for the UCLA game.

He also wrote to Tom Cunningham under his own signature (with acknowledgement that he took this action in view of my temporary absence from the campus). He notes that the list Cunningham provided of authorized fundraising campaigns on the Berkeley campus has been reviewed and is substantially correct but asks that four more be added to the list: the Earl Warren Legal Center Campaign, California Student Union Campaign, E. O. Lawrence Memorial Hall of Science, and Horace M. Albright Conservation Lectureship Fund. Kragen continues:

"The question of additional assistance for the campus is of crucial importance if Berkeley is to develop a vigorous and fruitful fund-raising program. While we believe we are coping satisfactorily at the present time with the administrative aspects of decentralization in the area of Gifts and Endowments, little is being accomplished as regards a coordinated solicitation program. As we see it, there is need for the appointment of a specialized Gifts and Endowments Officer who, with adequate supporting staff, would develop an active program of organized solicitation. This should encompass (1) organized donor cultivation, including development of informational materials concerning campus activities and achievements for external circulation, (2) development of intra-campus information service concerning potential donors, requirements, etc., for use of campus officers and agencies, (3) conduct of regularized research into potential fund sources, including maintenance of donor records, (4) advisory service in regard to agency solicitation, and (5) planning and coordination of major campus campaigns. He would also relieve presently over-burdened campus offices of responsibility in regard to the acceptance and processing of gifts."

I read a press release, in connection with my talk at the ACS headquarters on Friday, from our campus Office of Public Information describing the CHEM Study project. I was also pleased to read that I have been elected an honorary member of the California Academy of Sciences.

I read with particular interest a long memo from Howel Williams (Chairman of the Budget Committee) summarizing the recommendations of the Committee regarding the Computer Center. The Committee recommends that:

"The Director of the Center should, first of all, be able to develop a service facility; second, he should be active and creative in the science of computation, both with respect to ill-structured problems and numerical analysis; and third, if at all, he should be able to contribute to the design of computers."

The memo then goes on to give the reasons why they feel that design of computers should not be a high priority: competitiveness of computer industry, lack of cost-effectiveness of one-of-a-kind computers, and lack of funds to support this research.

Emphasis is placed on the Computer Center "Service as a facility" and I think the section titled as such is worth quoting:

"While the Budget Committee expects the Computing Center to be more than a mere service facility, it believes that performance as a properly conceived service function may be the highest priority for the Center. A well operating Center can act as one of the most significant research and teaching tools available to the faculty and student body. Such a pattern is beginning to emerge at Berkeley. It is still more evident at MIT, Carnegie, and Harvard, where computers such as the 704 and 709 are looked upon as necessary tools by large numbers of both staff and student users spread throughout all departments.

The Budget Committee believes that the Director should make major contributions to some area of knowledge which involves computers. At the same time, the importance of his [referring, I assume to the Director generically] personal research has been greatly exaggerated. The Budget Committee has great confidence in the ingenuity and productivity of the Berkeley faculty and believes that its breadth and combined creativity will make the contributions of the Director appear fairly insignificant by comparison. This is why such emphasis has been laid on the service function of the Computing Center.

It can be argued that very few of the Berkeley faculty have become distinguished in computer-oriented research. The Budget Committee believes this has resulted entirely from the unavailability of a computer. During the past year tremendous strides have been made, both by the Computing Center and by the Administration in making a computer available. While the problem is not completely solved, the Budget Committee believes that during the coming few years a number of Berkeley faculty will achieve distinguished roles in computer-oriented research."

The Budget Committee recommends that a new search committee be appointed to seek out candidates for the directorship of the Center that are use-, rather than design-, oriented. They make particular mention of the qualifications of Rene De Vogelaere, the current Acting Director of the Center:

"The Budget Committee and review committees have repeatedly made reference to his excellence as the Acting Director. He is an applied mathematician doing significant work in numerical analysis. His 'missionary-like' zeal in developing the campus use of the computer has earned him the respect of the faculty in both social and physical sciences. The Budget Committee believes that faculty morale would suffer greatly if we replace a good man at a relatively low level (Professor Step I) with an inferior one at a considerably higher level. The Budget Committee believes that De Vogelaere should either be made Director or be replaced only by a man of true distinction."

They submit the following names as examples of men of distinction in the field: Claude Shannon (University of Illinois), J. Barkley Rosser (Cornell University, now at the Institute for Defense Analysis), Herbert A. Simon

(Carnegie Tech) and A. Newell (Rand Corporation). I made a note to Starker Leopold to set up a new search committee.

Monday, October 10, 1960

I spent the first part of the day, until about 1:30 p.m., up on the Hill at the Rad Lab. While there I signed a recommendation for my Ph.D. student Peter R. Gray, who is applying for a job at the Continental Can Co.

While at the Lab I tried placing a call to UCLA Chancellor Franklin Murphy to talk to him about the issue of the Straw Hat Band's exclusion from the basketball tournament. However, I learned that Murphy is in Kansas City due to a recent death in his family and I don't want to disturb him there over this. I wrote a note to Kragen, who had passed along a message from Pete Newell asking me to call Murphy, explaining this and promising that I will talk with Murphy about it if, by some chance, he attends the Regents Meeting.

After the luncheon meeting of the Nuclear Chemistry staff, I talked with John Rasmussen and Ed King, who had made an appointment with me for 1 p.m.

I spent almost the first hour after I arrived at my Chancellor's Office looking through some lower priority papers which had not been sent along with the pile of papers the Lab driver gave me when I got home on Saturday night and talking with my staff about what happened during my absence at the end of last week.

Among the memos and correspondence I read was a long memo from Ed Strong on the continuing controversy between the Regents and the faculty on the Subject A examination and a copy of a letter to Dean Constance from Denzel Carr, which is, as always, worth quoting for its eloquence and is also making an extremely important point, I think:

"'Morale-ity' has very little to do with morality, perhaps, but it is certainly intimately tied up with expediency, advisability, secrecy, publicity and a host of other, extraneous things, including temperament. For several years past a certain problem of inconsistency in initial-appointment policy has been plaguing us. As long as we made it incumbent upon the victims, real or imaginary, to ferret out the details themselves we could play dumb (and often we have been almost as dumb as we played!) and get away with it. We cannot now, for somebody with better-know-if-you're-damned zeal has seen fit to place in the hands of each incoming faculty member a Dittoed list of all new members complete with academic title, highest academic degree (or proximity of approach to it), and "other teaching or research experience." Here the new faculty member can gloat (in private) over having obtained a better position than others of comparable education at the same or perfectly comparable institutions, or he can gripe in full decibellar disgust about his mistreatment, about inequity at the University of California, about loss of face in the presence of his former juniors or inferiors or subordinates at the former institution. At Stanford, where salaries and rank are not necessarily tied to each other, such a list might be left unclassified "confidential"; here at U.C. the chairman, the dean, and the chancellor cannot listen to a complaint and say that an instructor I is more appreciated than an assistant professor I or II or that his salary is greater.

This superficial let-us-tell-you-all approach to public relations partakes of the naïveté that characterized the Army in Tokyo in June 1946. The first wives were due to arrive toward the end of June. About two weeks beforehand the Army (which got its cues almost direct from God in those days) saw fit to post a notice in the lounge of all officers' billets that ran approximately like this: "Effective this date no Japanese females will be admitted to the rooms of the officers. Their visits will be confined to the lounge." There were the usual authentications fore and aft. If you think it was easy to explain to the wives when they began arriving two weeks later why it was necessary to post such an order, you don't know women.

My argument that these straight-from-the-Ph.D. to an assistant professor appointments were not in the humanities but in mathematics, physics, and engineering proved to be unsubstantiated. There was Lionel Duisit, Ph.D. 1960, as assistant professor of French. I shall not harp on such cases as Donald S. Wehn, Ph.D. 1960, and now assistant professor of mathematics. But what about Harvey C. Mansfield, Ph.D. 1960, and now assistant professor of political science? Or Edward E. Sampson, Ph.D. candidate, and yet an assistant professor of psychology? What about Howell V. Daly, acting assistant professor entomology and parasitology, who is a doctoral candidate? Or Stephen Orgel, assistant professor English, Ph.D. 1960? Or Robert Bloom, Ph.D. 1960, and now assistant professor? Chemistry I shall pass up as being in an unusually strong competitive position. But is anthropology in a legitimate position to pass out two acting assistant professorships to doctoral candidates while near Eastern languages can only offer an instructorship to a Harvard Ph.D. as soulagement?

These matters may not be worth thinking about but they are definitely worth worrying about. I suggest in future that the name and department alone be given to new faculty by way of identification in order to place the burden of research into salaries on the new staff member. It might at least slow down by 48 hours the explosions that follow the goodwill party of welcome every fall. Of course a little coordination, wherever possible, in the negotiation of immediate postdoctoral titles and salaries might be helpful. There may be a few departments that will have to give an assistant professorship to get anybody worth having, but surely the law of supply and demand in certain other fields in the humanities does not warrant a higher title and salary than in Near Eastern or Oriental Languages, which are probably the most deeply human and time-demanding of all the humanities.

I might add that humanity in the Nile, Tigris and Euphrates valleys has been on the alert for at least 6,000 years and I have begun to suspect that they were not fully asleep before that. The chairman of this department--ahead of any in the University--is apt to be made aware of any slight, intended or not, within fifteen minutes of its commitment. I respectfully suggest that any future handouts be carefully scrutinized by someone of Euphratean, Tigridic, or Milotic ancestry. If they pass this scrutiny, the Chancellor, the dean, and avant tout, the chairman of this department will be able to sleep the sleep of the just or at least of the just-appearing."

I signed a letter to Kerr that Adrian Kragen had prepared for my signature recommending that he ask the Regents for the sum of \$22,830 for conduct of the fundraising campaign for the Earl Warren Legal Center through June of next year and assuring him that I believe that the American City Bureau, which has been coordinating the campaign, intends to fulfill its obligations.

Hunter Dupree had prepared a letter, which I also signed, to Bob Underhill concerning the need for the University Arts Center, which provides a full review of the history and plans for this project.

At 2:30 p.m. I met very briefly with Alan Grundmann, who is looking for a position here; I introduced him to Kitty Malloy and Margaret McConnell, who will take it from there.

Beginning at 3 p.m. I met for a half an hour with Dan Silver (editor of the Daily Californian). We went over the names, one by one, for the Daily Cal Consultative Board; he cleared all of them except the representative of the graduate students, Bob Bell. He said that Bell had taken an unfriendly attitude to a number of the staff when the question of the separation of graduate students from the ASUC came up. (I suggest that we come up with another nomination for that slot.) I asked him about the status of his nominations and he gave me some names, which I took down to pass on. He said that no nominations have been made yet by the Foreign Student Advisor (for a foreign student member) or by the Dean of Students (for the "academic clubs and societies" member, a non-ASUC member).

Silver brought up a question about the HUAC riot. He said that some members of the Senior Editorial Board of the Daily Cal were worried about the paper's role in this (referring to the matter of the piece labelled "directive" on the front page before the riots). He said Daily Cal staff feel that their role in that affair "may be held against them for the rest of their lives" and asked if I would write a letter to each person involved individually saying that I understand that the item in question was a news story, not a directive, and that to the best of my knowledge they are not members of the Communist Party. I told him that I will seriously consider furnishing them with such letters, but that since this is something for some time in the future (probably years away) I won't do it now but might when and if it is needed.

He asked me whether his plan as outlined several weeks ago in the paper--compulsory ASUC for student activities, voluntary set-up to take up political issues and independent Daily Cal--would serve to allow the voluntary group to take stands on political issues and not be in violation of the Kerr Directives. He said he and his supporters would like to be assured of this before going to the trouble to try to set up the alternative voluntary organization. I said that I want to consult with Kerr about this and will keep him informed. I also asked if ASUC President George Link and the Ex Com are in favor of his proposed set-up; he said he doesn't know about Ex Com but does know Link needs more convincing, which he thinks he can do.

He then brought up a personal question. He is applying for both Marshall and Rhodes scholarships and wanted to know if I would serve as a reference. I agreed to do this and asked him to give Akiko Owen the information about where letters need to be sent, etc. He also mentioned that Marge Madonne wants a recommendation for a Marshall Scholarship, which I said I would be happy to provide.

Sandy Elberg and I met about BCD business at 3:30 p.m. He told me that the National Institutes of Health have withdrawn the grant for Percy McGaughey (Sanitary Engineering) for half of his building this year due to the "snafu" that developed. However, it will be given back next year and that will be in time for everything to proceed on schedule.

He said that the Extension Division is pushing the BCD for space for their nuclear engineering training program. I instructed him not to give them any space for this until we receive a formal request from Statewide. I did say, however, that if the formal request comes through, I think we will wind up giving the space to them.

Sandy also informed me of a "snafu" (a word he has altogether too many occasions to use, as Chairman of the BCD) has developed with regard to Calvin's lab on the site of Chemistry Unit #3. At the meeting of the BCD Al Wagner raised the question of the complete planning for the area and Bob Thornton used this as an opening wedge to press for the Physics Department's requirements- the net result of which was that the BCD didn't okay the site for the Calvin lab. The siting of Calvin at Chemistry Unit #3 means that Chemical Engineering would move from this site to the Virus Laboratory (which has been offered to and refused by Physics before). If we go ahead with the present plan, Physics might take over Gilman Hall and share some of the space in the new Mathematics-Statistics Building near Faculty Glade.

Elberg and I agreed that at the Regents Meeting I will still attempt to get clearance for the Calvin project but tell them that the site has not yet been cleared by BCD, indicating that we need the regential okay in order to go ahead with the requirements of funding foundations. I then called Carl Helmholtz in Elberg's presence in order to tell him that I plan to do this (ask the Regents to approve Calvin's project) and to suggest that we solve the problem of overall space for the Physics Department later on. I insisted that Calvin's project has progressed so far that we simply can't let it fall through this time. Helmholtz will appear at the next meeting of the BCD to present Physics' case for more space.

Elberg also raised the question of who will be his successor as Chairman of the BCD. I responded that, so far as I am concerned, I hope that he will agree to serve another term. He left with me a document entitled the "Project Planning Guide Statement for the Ernest Orlando Lawrence Hall of Science", which I will read with care.

At 4:15 p.m. I walked over to Alumni House for the reception for 40 freshmen who have been awarded "honors at entrance". I congratulated these fine students on their high school academic records and wished them equal success in their college career here. I was pleased to learn that Kristine Ghiorso, Al's and Wilma's daughter, is one of this elite group.

I hosted a dinner at University House for new Associate Professors. Out of the 43 in this group, ten declined. Neither Helen nor the wives of these new faculty members were invited to attend because it was designed as a "stag" party. However, as it turned out, it was not a strictly stag affair because one of the new Associate Professors is a lady- Mary Ann Morris of Nutrition and Home Economics. The gentlemen attending are listed below, along with their departments:

John K. Anderson
 Arthur R. Bergen
 Vitelmo Bertero
 Robert R. Brown
 Alan Robert Cerf
 Chin Long Chiang
 Earl Frank Cheit
 Herschel B. Chipp
 Michael Conant
 Gilles M. Corcos
 Frank S. Crawford, Jr.
 Kenneth M. Crowe
 George A. DeVos
 Jacob J. Finkelstein
 David P. Hackett
 Geoffrey C. Hazard
 Morimi Iwama
 Frederick R. Jensen
 William A. Jensen
 Finn T. Malm
 Robert K. Mortimer
 Donald E. Olsen
 Anthony J. Ostroff
 Norman E. Phillips
 Robert D. Raabe
 Michael C. Rogers
 Arthur H. Rosenfeld
 Virgil E. Schrock
 Hanan C. Selvin
 Neil J. Smelser
 George J. Staubus
 Merlon L. Stevenson
 Justin Sweet
 Robert J. Tetlow
 Paul E. Thomas
 John L. Traugott
 Robert L. Vaught
 David W. Weiss
 Lionel E. Weiss
 Frederick R. Whatley
 Robert L. Wiegel
 Thomas J. Ypsilantis

Classics
 Electrical Engineering
 Civil Engineering (Structural)
 Physics
 Business Administration
 Public Health
 Business Administration
 Art
 Business Administration
 Aeronautical Sciences
 Physics
 Physics
 Social Welfare
 Near Eastern Languages
 Biochemistry
 Law
 Electrical Engineering
 Chemistry
 Botany
 Business Administration
 Medical Physics
 Environmental Design
 Speech
 Chemistry
 Plant Pathology
 Oriental Languages
 Physics
 Nuclear Engineering
 Sociology
 Sociology
 Business Administration
 Physics
 Law
 Environmental Design
 Mathematics
 English
 Mathematics
 Bacteriology
 Geology
 Soils & Plant Nutrition
 Hydraulic & Sanitary Engineering
 Physics

Tuesday, October 11, 1960

Ambassador (and vice presidential candidate) Henry Cabot Lodge spoke this morning in the Greek Theatre at 9:30 a.m. I met Ambassador Lodge and his wife and entourage in my office before the speech, which dealt with general principles and goals. He spoke on the need to achieve true equality. His speech was followed by a question and answer period, mostly on foreign policy. On the question of the admission of Red China into the U.N., he said, "We can't ignore Red China. The U.N. Charter says the nations in it should be 'peace-loving'. By any standard you care to name, Red China is not a peace-loving nation." On the problem of Cuba, he said that it must be dealt with by "the Spanish-speaking nations of America acting with us, not by us alone." When asked on his policy on Communism in the satellites, he said that

he "would make no impossible promises", but rejected the admission that the Eastern European situation was "permanent" or "respectable". The audience gave Lodge a standing ovation at the conclusion of the question and answer period. A sizeable number of Lodge and Lodge-Nixon signs appeared in the crowd.

I signed a memorandum to Kerr, drafted by Errol Mauchlan, proposing a new edition of the publication "Long Range Development Plan for the Berkeley Campus", stating that the 1956 plan is now out-of-date and also noting that the long-awaited Landscape Plan for the campus is scheduled for presentation to the Regents in March 1961 and should be incorporated in the development plan.

I received a letter this morning from John R. Dunning (Dean of the School of Engineering at Columbia University). He wrote:

"I am enclosing "off the record" copies of letters from others in the Basic Science group, commenting on your proposed seeking of compensation for your work on U²³³. You may recall that Grosse and others did some work on U²³³ at about the same time.

Apparently no one sees any conflict, but there is interest in having a more concrete idea of what you call 'modest'. There is also the feeling that whatever we might do mutually to help the cause is worth considering!

Please keep me informed, and I will do likewise for you.

Mort Adams (Pennie, Edmonds, Morton, Barrows & Taylor), Chief Patent Counsel for Basic, and Struve Hensel of Hensel and Vom Baur in Washington are getting material together for a more full scale presentation by agreement with the A.E.C."

The letters he enclosed were very interesting- and encouraging.

Upon learning what a positive reception the students gave Lodge, I telephoned Gerald D. Morgan (Deputy Assistant to President Eisenhower) and told him about this. I asked him to invite the President to speak on the Berkeley campus on October 20th, when Eisenhower will be in San Francisco to address the Commonwealth Club. Morgan expressed some interest in this and said he will get back to me as soon as possible.

I was interested to see an article in the Daily Cal titled "Reorganized ASUC Seeks New Manager", which says that Acting Business Manager Forrest Tregua disclosed that the ASUC will have a new business manager within two weeks. Tregua also outlined the duties of the new position, which we know (but which is not yet information for public consumption) will be given to Tregua.

At 11 a.m. I called Ed Pauley to ask how his meeting went with Gilbert Lee, our candidate for campus Business Manager position. He told me that the appointment is okay. (Pauley saw Lee in Chicago and had his business manager talk with him, too). He said that the recommendation for Lee will go to the Regents this week and that I should call Lee. I tried to do so, but discovered that Lee is away from his office until Thursday.

I then met with Harvey White to go over the "Project Planning Guide Statement for the Ernest Orlando Lawrence Hall of Science" which Sandy Elberg gave me yesterday. This statement describes the purpose of the Hall of Science as follows:

"The principal objective of the Hall of Science will be communication of the basic principles of modern science to the general public. It will meet this objective by two different but coordinated methods of approach. First it will appeal to children and the general public directly with an outstanding exhibition program, and with lecture demonstrations and television programs that will explain the sciences, their basic principles, and how these sciences relate to each other. The major sciences to be represented in the exhibition program are:

Astronomy	Mathematics
Biology and Physiology	Physics
Chemistry	Nuclear Science
Geology	Space Science

This approach will be aimed at the quickening of everyone's curiosity so that enthusiastic young people in particular will take more interest in their scientific studies and general school work.

The other appeal will be through a participation and teaching program aimed primarily at the elementary and secondary school teachers and talented young people. Through experimental procedures new teaching methods and techniques will be developed. Workshops will be available, where teachers in training will learn how and what to make for classroom demonstrations. Others will learn the use of television in science education and take part in the production of science programs."

It then goes on to describe the physical facilities required to carry out this ambitious (and essential) program. Harvey and I agreed that it is an excellent statement of the goals and requirements of the Hall.

Beginning at noon I presided over the weekly meeting of my Cabinet, all of whom were present. The first item on our agenda was discussion of the agenda for the CCCO meeting tomorrow. I will use the minutes of our discussion for summary of this item:

- "(a) ROTC item will probably be deferred at this month's Regents meetings until the President can be present.
- (b) Draft directive on decentralization of Gifts and Endowments was thought to be too brief and ambiguous.
- (c) Amendment to Regulation 4 cutting back from 3 months to 2 months of permissible summer employment is considered by all to be very bad. It was pointed out that Michigan University allows its faculty members to go 25% beyond a 12-months' salary which would mean about 50% beyond a 9-months' salary - Ohio State has comparable policy.
- (d) Revision of University Regulation 4 so that faculty members on sabbatical leave receiving a sabbatical salary at rate of 2/3's of regular academic pay may be permitted to receive additional 1/3 pay from the University. All agreed that Regulation should be so revised.
- (e) The tentative University calendars for 1961-62, 1962-63, and 1963-64 seemed to be o.k.

- (f) Decentralization of summer sessions. Structure is o.k. It was generally felt that the problem may be a temporary one as we might have to go to a tri-semester system.
- (g) Administrative stipends - Strong said that Sherwood will report that Berkeley and UCLA agree in principle now and the budget officers will meet to work out some of the details. There is one difference of opinion still to be ironed out: UCLA believes that an administrator and/or Dean who receives an academic salary should have his academic salary remain the same while occupying the administrative job and the stipend for administrative job should be increased accordingly, on the theory that the administrator cannot keep up with his research during that period. Berkeley campus is directly opposed to this theory and the Budget Committee has already gone on record on this matter (Sherriffs to provide the Chancellor with the documents regarding Dean of Student's position). It was agreed that if UCLA does not change its position on this, we should request that each campus be allowed to use its discretion.
- (h) Analysis of Big-Ten Study - Strong pointed out that from study of this document, costs of training students are less at Berkeley than at UCLA."

Kragen reported that at the meeting on the Berkeley waterfront last night, he stated the University's position as being willing to cooperate but not going into the area unless asked. He also informed the group that he is going to attend the Regents Meeting to answer questions regarding the rapid transit proposal.

We talked at some length about the Computer Center and the comments received from the Budget Committee on the qualifications we should seek for the directorship. Leopold is to send the Budget Committee's report to the Advisory Committee (if Howel Williams agrees to this). We agreed to defer appointment of a director or reappointment of the director until after the Advisory Committee meets (in accordance with Ed Teller's request).

Sherriffs distributed copies of the draft form for notification of proposed special use of University facilities, which was approved after some minor editing.

Kragen mentioned that a Superior Court judge has upheld a state college faculty member's protest against having to pay for parking; however, he said that he feels there is a substantial difference in the case of the University and he doubts that it will affect us.

He also discussed the "white paper" he is preparing for Statewide on the subject of the film "Operation Abolition".

The rest of the meeting was devoted to a discussion of strategy when the Subject A resolution is presented at the Academic Senate meeting this afternoon.

The first student to visit my Student Office Hour, which began at 2 p.m., was Lewis Mangani, who has been working for his Ph.D. in History since 1950 and now has only one more year to go. His research director is James F. King and he cooperates with professors in other departments. He came in to ask for my

help in obtaining financial support of some kind. He has an NDEA loan and a readership, but thinks he still needs another \$1500 to get through his final year and support his wife and baby. He asked me if there is any way we can bail him out, particularly asking for a job whereby he could earn the needed \$1500. I said that I am trying to get more funding for humanities research on a national basis, but I am not sure that I will be able to do anything to help him as an individual. He said he felt better just having a chance to talk with me.

Jane O'Grady is the student who is involved in the difficulty with the Coro Foundation as a result of her participation in the May affair at the hearing of the House Un-American Activities Committee. She wanted to know whether there is anything that we can do to help the situation and if there is any additional information we need. I told her that I am familiar with her case, that I am very disturbed by it and that we will look in every way for a means to help her, but that it will be difficult for the University, as an institution, to do anything to change the attitude of the whole Coro Foundation. I also described to her a bit of the difficulty that faces us as a result of the May incident. (The latter is off the record.) She seemed quite happy to have had the chance to get acquainted with me and to tell me something of her problem. She isn't in any personal difficulty, but said that she certainly feels that there ought to be something that could be done to straighten out something like this.

The Chairman of Orientation Week for Freshmen Jim Pierce visited to let me know that he is studying, under the direction of the ASUC Executive Committee, the possibility of having a freshmen camp preceding registration and in this connection he wonders whether registration could start on a Tuesday instead of a Monday. He said he isn't yet sure whether this will be necessary and will let me know when he has ascertained this.

Marjorie Madonne came in to talk with me about the letter from the Chief Campus Officer required by the Marshall Scholarship Committee (which Dan Silver already mentioned to me yesterday). She is a first year graduate student in History here and wants to go to England to continue her studies either at Oxford or Cambridge, or possibly at the University of London. I asked her to stop on her way out to give information to Akiko which could be used in drafting a letter for my signature.

The last two students (who came in together) were Mike Lengyel and Joe Brewer of the Daily Californian, who interviewed me. Mike asked the more embarrassing questions. They wanted to know whether I knew about the two issues that were going before the Executive Committee tonight and whether these would be rated as on-campus or off-campus, and I told them that this would be up to Dean Shepard. They asked what principles would be used, and I told them that I am appointing a committee to advise me on this, and that this would include a couple of members from the Executive Committee and some members from Bellquist's committee (advisory to the Chancellor on the Kerr regulations) and people like a Vice Chancellor or the Dean of Students. In answer to a query, I said that I supposed the committee appointment would be completed within a few weeks. They asked whether I would suspend the right of the Executive Committee to make resolutions in the meantime, and I said no, that no suspension was contemplated in the case of the two resolutions contemplated tonight, that Shepard might find it necessary to ask for the week's delay that had been offered him by the Executive Committee.

On another topic, they said there was an article in the Oakland Tribune last spring that stated that we had increased our security people, or as they thought it said, our FBI people by about 5 or 6. I said that I didn't know what they were talking about, that we don't have any FBI people. They then asked what William W. Wadman's duties are, to whom he reports, how many people he supervises, etc. I didn't know the answers to some of these questions so I went down and got Ed Strong, who (because he also didn't know the answers) called Wadman's office.

As a result of this, Strong and I told them that Wadman reports to the Vice President for Business, a Statewide office, that we don't have anybody in charge of security clearance on the Berkeley campus per se, that Wadman is in charge of police as well, that part of his duties that have to do with security clearance have greatly diminished in the last 15 years and that we certainly don't have anybody connected with the FBI. I said that the Tribune story perhaps referred to the addition of five policemen which are referred to as security police and which is logical in view of the increased workload, that is, as the students increase we increase our professors and our non-academic personnel proportionately.

They then asked what we would do--and this was while Strong was still there--if the FBI demanded the students' records. We tried to make it clear that the transcripts would be of no value since they just tell what courses the students took and their grades, but weren't very precise as to what we would do if the FBI made such a demand. I said that in some way it was such a trivial matter that to withhold them would be causing much ado about nothing.

They also asked me whether I was going to help Jane O'Grady in her trouble with the Coro Foundation, and I said that I obviously couldn't do it in my official capacity as Chancellor. Then Mike asked me whether I was going to do it personally; I indicated that I don't know whether there is anything I can do in that capacity. They asked what we would do about the resolution which suggests that the Coro Foundation should not be allowed to use the bulletin boards, etc., in their advertising for positions. I said that I would certainly consider it after study.

They then asked whether the University is going to do anything to help the two students who lost their visas and had to return to England; again, I said that I don't see how the University can do anything in a case like this.

I don't know how all of this will be handled in the Daily Cal. It was awkward because I didn't think I could really refuse to answer any of their questions, particularly since they visited me during the Student Office Hour, which I established as a way of emphasizing my "open door policy" and interest in communicating with students.

At 3:15 p.m. President and Mrs. M. Sardjito (Gadjah Mada University in Jogjakarta, Indonesia) paid me a social visit. They told me about the help that UCLA is giving them in engineering and the University of Wisconsin in economics. They are impressed by our residence halls and after our conversation, they were on their way to visit International House and the Indonesian students there.

The Berkeley Division of the Academic Senate, Northern Division, convened at 4:10 p.m. in Room 155 Dwinelle Hall. After approval of the minutes, I spoke on the problem of cheating. Ted Vermeulen then made some remarks on the same subject and proposed adoption of the following resolution (which was adopted):

"Resolved, that a Special Committee on Classroom Ethics be appointed to collect and evaluate evidence on the extent and types of cheating, at Berkeley and elsewhere; to distribute to the membership of the Division, on a confidential basis if necessary, information pertinent to the identification and control of cheating; to seek ways by which the University of California may contribute to preserving and restoring the integrity of classroom exercises throughout the state and the nation; and before the end of the current academic year, to report its recommendations to the Berkeley Division regarding further work is needed or possible in these areas."

As we knew it would, the resolution regarding the Subject A examination was proposed by George R. Stewart and David Krech and adopted, as follows:

"WHEREAS, on February 19, 1960, the Board of Regents took action declaring a certain examination question to be 'improper', and

WHEREAS, procedurally, this action appears to be, prima facie, a contravention of Standing Order of the Regents IX, 2, b, which provides: 'The Academic Senate shall authorize and supervise all courses of instruction' and

WHEREAS, substantively, this action has been taken by a body the members of which are usually selected for reasons other than competency in the instructional and therefore in the examining function of the University,

THEREFORE, be it resolved that the Academic Senate, Berkeley Division, views this action of the Regents with concern, and affirms the belief that any such cases arising in the future should be referred to the Senate."

This is a most unfortunate development, which we were successful in modifying but not unsuccessful in deflecting entirely. Had the Regents on February 19th acted to refer their concern about an "improper" question to the Academic Senate, without issuance of a public statement interpretable by the faculty as a regential ruling, there would not have been this subsequent furor. Now I know I will feel the furor of the some of the Regents, who think that a Chief Campus Officer should be able to control somehow the actions of all faculty and students. This, I think, demonstrates a lack of regential understanding of the faculty's fierce defense of their tradition of self-government, particularly in areas related to instruction (as the reference in the resolution to qualifications for an appointment to the Board of Regents makes abundantly clear).

Adrian Kragen left me a note asking what we should do about the Straw Hat Band-UCLA basketball tournament conflict since Pete Newell has been unsuccessful in talking with Wilbur Johns and I will not have an opportunity to discuss it with Franklin Murphy. I said that my inclination is to go ahead and participate in the tournament this year and withdraw next year if we can't get agreement for participation of our band.

Helen and I attended the Lady Snow lecture. Pamela Hansford Johnson (Lady Snow), author and Fellow of the Royal Society of Literature, spoke on "Growing Points in the Modern Novel" at 155 Dwinelle. We then went to a reception for the Snows at the home of George Stewart of the Department of English. I took care to avoid discussion of the Subject A resolution with Stewart, preferring to keep this a pleasant social occasion.

Wednesday, October 12, 1960

I went to the Radiation Laboratory this morning to attend the meeting of the Associate Directors. While I was at the Lab I dictated a letter to Yoshi Uchida in response to the inquiry from H. V. Neher (Cal Tech Physics Department), who wrote to me in his role as a member of the Committee on Apparatus for Educational Institutions of the American Association of Physics Teachers regarding the possibility of having Am^{241} made available for college use in a Rutherford scattering experiment. I said that I have some misgivings about this suggestion based on the rather large intensity of sources required to give satisfactory statistical accuracy in this experiment during a typical laboratory period. I noted that my understanding is that a source strength of roughly 10^{10} alpha particles per minute is required, qualifying this by saying that if I have overestimated this number by a large factor my subsequent remarks do not apply:

"A source strength of 10^{10} dpm [disintegrations per minute] of long lived activity is a risky amount to store and use routinely in hundreds of college buildings where routine radiation monitoring is not the rule. I know that rules will be set up and for the most part rigidly adhered to but sooner or later someone will leave the source on some open shelf, it will be forgotten or lost and some very serious contamination may be the consequence. The cleanup of such contamination is a very costly business and very bad for public relations in a school facility. I feel that the relatively short half life of Po^{210} is a real safety factor.

Perhaps a better approach would be to get some commercial supplier to prepare fresh Po^{210} sources routinely on short notice and to prepare sources that are well anchored.

I might point out that the official maximum permissible body burden of Am^{241} deposited in bones is .05 microcuries or only 1.1×10^5 dpm.

This is my quick reaction to your question. Perhaps you could get a more detailed and authoritative answer by talking to the health people who are familiar with evaluating hazards and cleanup problems and with chemists who have a detailed familiarity with the preparation of these sources. With their help one might devise a rather fool proof source."

The first thing I did upon arrival at my Dwinelle Hall office was to look through the Daily Cal. I was especially interested to see how my interview during the Student Office Hour yesterday was written up. It was an accurate and well-written summary of what I said regarding the on-campus/off-campus issue, I am happy to say.

At 11:40 a.m. Connecticut Governor Abraham A. Ribicoff was brought into my office so that I could officially greet him before his talk to the students in Wheeler Auditorium at noon in support of the Democratic Party and, specifically, on behalf of his long-time friend, Senator John F. Kennedy.

I then went to a luncheon meeting of representatives of various research units and institutes in the social sciences in the Louderback Room of the Faculty Club. The following people were present: Richard Holton (Institute of Business and Economic Research), Paul Taylor (Institute of International

Studies), Arthur Ross (Institute of Industrial Relations), Dwight Waldo (Bureau of Public Administration), John Clausen (Institute of Human Development), Charles Glock (Survey Research Center), Herbert Blumer (Institute of Social Sciences), Thomas Blaisdell (Bureau of International Relations) and Richard Crutchfield (Institute of Personality Assessment).

When I returned to my office after lunch I learned that a student distributed anti-semitic literature outside of Wheeler Auditorium where Abe Ribicoff was speaking. According to Mike Rucka, a Jewish student who visited the Chancellor's Office shortly after this incident, Adrian Kragen escorted this student out of the auditorium. Rucka requested any extra copies of the literature we may have so that he and other interested students of the Jewish faith might send it along with a covering letter, indicating how disgusted these individual students are with the conduct of their fellow student, to the metropolitan press. Alex Sherriffs asked Rucka to speak with Kragen, who advised him to consult a rabbi before writing such letters to the press.

I signed a letter to Secretary Flemming of HEW, recommending the following changes in NDEA policies:

"I Changes in general policies --

1. That the Act in continuation beyond the initial period, be a National Development Education Act and not just a National Defense Education Act.
2. That the Act make funds available for capital improvements (equipment and buildings) as needed for programs and projects authorized under titles of the NDEA.
3. That unrestricted institutional grants be made to colleges and universities. Such grants would enable us to rectify somewhat the present serious imbalance in federal support flowing to the natural sciences and humanities.
4. That funds be provided for professorships. To keep pace with increases in enrollments, increases in educational staff need to be made expeditiously. (At Berkeley, the increase this fall was 9%, an additional 2,000 students, the majority of whom are graduate students, as compared with the fall semester of 1959. Like increases are predicted for the next three years). Unless federal aid is forthcoming to supplement state funds for employment of additional professors, state-supported institutions will fall short in providing for needed increases in instructional staff.
5. That a federal scholarship program be established to assist outstanding high school graduates who, because of financial reasons, cannot attend a college or university.

II. Changes in existing NDEA programs

Title II. (a) Student loan funds. Remove the present maximum of \$250,000 to a single institution to permit allocations based on \$20 per full-time student at large institutions like Berkeley. (Last year, the basis per student at Berkeley under the existing maximum

averaged \$11.55). Provision should be made for the costs of administering loan funds, particularly in regard to collections. It would be highly desirable to have repaid moneys be utilized in a revolving fund for further loans.

(b) Teacher forgiveness provision in repayment of student loans. Extend the forgiveness provision to students who enter into college and university teaching, both public and private.

Title IV. Graduate Fellowship Program. (a) Utilize unfilled capacity of established departments in filling vacancies in the fellowship program. The requirement of 'newness or expansion' of facilities laid down as a condition for assignment of graduate fellowships stands in the way of optimum utilization of facilities. Since Title IV seeks to increase the number of qualified college teachers, under-use of existing resources should be remedied.

(b) Include in the graduate fellowship program provision for a one-year release from teaching duties of individuals holding teaching positions in colleges or universities to enable them to complete requirements for award of the doctoral degree.

Title VI. Budgeting for language development in state-supported institutions of higher learning. Permit state-supported institutions of higher learning, by transfer of funds or on the basis of existing resources, to qualify for contracts under Title VI. On a year-to-year budget, state-supported institutions cannot enter into NDEA contracts requiring new funds from the state until request for such funds have been approved. In some instances, it would be practicable and desirable to meet the University's portion of costs in the establishment of a center for the teaching of a modern foreign language, at least initially, by an internal transfer of funds in hand. Institutions already devoting substantial funds for the support of instruction in a particular area should be permitted to count these funds as a matching contribution. Thereby, expansion based on existing strength will be made possible."

At 2 p.m. Lincoln Constance and I got together for our regular weekly meeting. He gave me a memo concurring with the review (the third review) which the Budget Committee conducted on Nick Metropolis' proposed appointment as Professor of Physics and Director of the Computer Center in which they concluded that he does not qualify as a Professor of Physics.

Constance passed on a joint request from the departments of Decorative Art and Sculpture (Art) for the housing of a small foundry for the two departments in a pre-fabricated steel building to be erected next to the Ceramics Laboratory in the rear of Horton Hall. This would serve the research needs of six faculty members in the two departments, and the instructional needs of five courses totalling 50-60 students. The estimate of the cost is \$3,000. I suggested that this should go on the list of minor capital improvements and that Constance obtain assurance of some technical liaison with Metallurgy and/or Industrial Engineering, primarily for the purposes of health and safety.

I authorized Constance to conduct the usual departmental poll to determine the Department of Sociology and Social Institutions' faculty's choice of a successor for Reinhard Bendix, who wishes to relinquish the chairmanship effective June 30, 1961.

At 2:45 p.m. I met briefly with Thomas F. Malone (Vice President of the American Geophysical Union) and Joe Kaplan (Professor of Physics at UCLA, whom I knew when I was a student there and again as the Faculty Athletic Representative for UCLA during part of the time that I served in that position for Berkeley) to talk about plans for the 1963 International Geophysical Year.

I presided over the meeting of the Academic Advisory Committee, which began at 3 p.m. Present were L. Constance, S. S. Elberg, J. W. MacSwain, A. B. Pardee, R. E. Powell, M. A. Stewart and E. W. Strong.

Lincoln Constance introduced the discussion of the status of the Department of Anatomy-Physiology, noting that in approving the merger of the previously autonomous departments of Anatomy and Physiology in a single department on May 29, 1958, the Educational Policy Committee also recommended that progress towards unification be reviewed at the end of two years. In accordance with this, the joint Chairmen, Professors Asling and Chaikoff, have requested the review at this time.

He (LC) outlined the history of the joint department and its relationship to campus programs prior to the transfer of first year medical courses to the San Francisco campus. He pointed out that consequent on this transfer it was necessary to maintain offerings in Anatomy at Berkeley because of the needs of other departments. These needs require only a small faculty, and since the members who elected to remain at Berkeley are oriented to Endocrinology, amalgamation with the larger Department of Physiology seemed a reasonable solution in 1958.

However, progress towards unification has been small. In Constance's view, the main obstacles are conflicting personalities between the two divisions and inadequacy of existing research space. He noted that a split into two autonomous departments would not be a viable solution since Anatomy has no major offering and could not readily justify one. The Committee agreed that a special study group should be appointed to conduct a review of the department and its programs. We directed Ed Strong and Lincoln Constance to cooperate in the nomination of a suitable small group.

Constance then introduced the discussion of staffing needs of the Department of Geography, commenting that although the Department achieved great distinction in the field under former Chairman Carl O. Sauer, it was in a somewhat narrow field, emphasizing physical-anthropological while the discipline as whole has taken new directions. Moreover, there has been considerable inbreeding over the years; virtually all of the faculty have been ex-students or otherwise disciples of Sauer. Constance contends that the department requires complete revitalization including orientation towards new areas of discipline.

After discussion of the need to broaden the scope of the department and bring in "new blood", the Committee agreed that a thorough review of the departmental needs and plans should be undertaken. Ed Strong, Lincoln Constance, Morris Stewart and Howel Williams were directed to cooperate in the nomination of a suitable small group, which should include a person who would be able to travel widely to survey offerings in Geography in other institutions. Stewart emphasized the desirability that the ultimate solution not be a fragmentation of the field within the department. I urged the group

to consult with Henry Bruman of UCLA (who, incidentally, was a fellow Chemistry major at UCLA when I was there). We adjourned at 4:10 p.m.

I then walked over to University House to attend the meeting of the CCCO, which began at 4:30 p.m. Clark Kerr and Franklin Murphy were unable to attend; Clark is still sick and Murphy is back east due to a death in his family. Harry Wellman presided in Kerr's absence. Guests included Elmo Morgan, Ray Kettler and Paul Sheats.

We discussed the change from compulsory to voluntary ROTC, reaching agreement that this should be done simultaneously on all campuses in the Fall Semester 1961. (I had suggested Spring, but others felt it would not be enough notice to the Armed Services.)

The next item on the agenda was titled "Methods of Communication in a Decentralized Organization". Morgan asked us for suggestions regarding channels of communication of statewide officers with various staff members of the CCO's (e.g., should matters concerning Personnel go directly from statewide to campus personnel officers or to the CCO with a copy to the personnel officer?) Morgan urged that some regular system be designed to facilitate movement of reports and requests from his office to the staff of the CCO, and vice versa. I asked that for the present copies of all materials be sent to my office.

There was unanimous approval of the contents of the draft policy statement on the decentralization of Gifts and Endowments (which raises the authority of the CCO to solicit and accept gifts from the present ceiling of \$20,000 to \$100,000). Revelle asked why this delegation did not include solicitation of research grants, to which question Wellman replied that that area is still under study.

Wellman then brought up the question regarding whether faculty on sabbatical leave (2/3 salary) should be allowed to receive the remaining 1/3 from University sources (through research grants, etc.). Cunningham has determined that this would require a change in the Standing Orders. In the meantime, Wellman said, approval of such payment cannot be given. He suggested, as an interim measure, that a faculty member might take six months sabbatical at full pay and the second six months as leave with full pay from contract funds. Roger Revelle and I pointed out that several foundations have approved the policy of reimbursing a man up to his full salary and that we should not oppose this. There was general consensus that a faculty member should be allowed compensation up to full salary. I indicated that many other institutions allow this and Saunders further emphasized this by pointing out that if we do not allow this supplementation, it is likely that staff members will take a leave of absence instead, during which they will receive more compensation than they do from the University.

We learned that legislation on the decentralization of the Graduate Division is going to be considered by the Academic Senate. It provides for separate Graduate Councils for each campus with a statewide coordinating Graduate Council. The question of whether they should establish a position of a statewide Graduate Dean has not been settled yet. Individual graduate deans for each campus will be appointed by the President on recommendation of the chancellor (presumably with help of a committee). New graduate programs are still in the province of the Academic Senate. (By the way, a move is under way to eliminate the Northern and Southern Sections of the Academic Senate and establish only campus divisions.)

Other subjects discussed included the decentralization of the summer sessions, a report on the first meeting of the Coordinating Council for Higher Education, administrative stipends for deans and directors, analysis of the California-Big Ten Study and policies regarding plaques and portraits in University buildings.

When I arrived home Helen told me that after lunch at Lee Perlman's house this noon, she and Lee drove to Berkeley together for the Chemistry Department tea at the Connicks' home.

Thursday, October 13, 1960

Beginning at 10 a.m. I spent the rest of the day attending meetings of the various committees of the Regents. Before they began I signed some letters and memos. In response to a letter from Rose Gaffney in which she stated:

"If PG&E is so strong politically that it can enforce it's [sic] wishes upon an unwilling public and control not only the governing bodies of our State Universities, but the personnel of our State Beaches and Parks and State lands Commissions, our county officials right on up through the Governor and his aides, annul our Constitution and break a treaty with a foreign power, then this State of California is no longer a State, our government is a farce... and PG&E is the ruler of our destiny... our dictator... and we are no longer a free people."

I wrote:

"... please be assured that the P. G. & E. is not, as you imply, enforcing its wishes upon the governing body of the University in connection with our decision not to establish a marine biological laboratory at Bodega Bay. While the Bodega Bay site would otherside be well adapted for the establishment of a marine biological station, it is not unique, as there are other suitable sites. In view of this, we would be in no position successfully to oust the P. G. & E. from its already established position in the area, because we could not prove, as we would be forced to do, that our proposed public use would be a higher and better public use than that proposed by the P. G. & E."

I wrote to Gordon Mackinney (Chairman of the Educational Policy Committee) to request that his committee undertake a study of the proposal for a Management Science Institute, noting that the Budget Committee has determined that the project is financially feasible and the Committee on Buildings and Campus Development has given assurance that the Institute could be adequately accommodated.

I signed a note to Ken Pitzer in his role as Chairman of the General Advisory Committee of the Atomic Energy Commission seconding John C. Sowden's nomination of Arthur C. Wahl for an E. O. Lawrence Memorial Award in 1961.

I read a very interesting letter from Glen Gordon, my former student, describing his life and work at MIT. Glen wrote:

"... I like M.I.T. and the people here in nuclear chemistry, but find I miss Berkeley's wonderful experimental facilities very much. I can think of any number of things I would like to do on the Hilac or your new 88" cyclotron but find it difficult to think of anything very profound to do on the small M.I.T. cyclotron."

"... I'm trying my damndest to do what I can to improve the quality of instruction, instruments, research and personnel here. Sometimes, I feel it is a rather hopeless situation, but at other times I am optimistic. I would like to build this group into something approaching the group which you have developed at Berkeley, but I have grave doubts about reaching it. I feel that two things we need are distinguished visitors and an improved level of graduate students. This is not to say that our graduate students are of low quality, but they are 'spotty'- some excellent, some very poor. Any suggestions which you can give me will be appreciated."

I was interested to read a memo written by George Kistiakowsky to President Eisenhower transmitting our PSAC panel report on Basic Research and Graduate Education and enclosing a draft of a statement the President might use if he decides to make the report public, which concludes:

"In this regard, I call particular attention to the conclusion of the Science Advisory Committee that the process of basic scientific research and the process of graduate education in universities must be seen as an integrated task if the nation is to produce the research results and the new scientists that will maintain the leadership of American science. In this great endeavor, the partnership between the Federal Government and the nation's universities will assume growing importance in the future."

Attached is a copy of an "Informal Report from the Chancellor", the series which I am initiating with this first copy, based on similar alumni reports which Kerr used to circulate.

The schedule of Regents' committee meetings today (all of which were held at University Hall) was Subcommittee on Architecture and Building Plans at 10 a.m., Committee on Research Projects at 10:30 a.m., Committee on Educational Policy at 11 a.m., Committee on Grounds and Buildings at 1:30 p.m. and Committee on Endowments and Public Ceremonies at 2:30 p.m. However, we ran a little late, falling behind on the schedule.

Of particular interest to us on the Berkeley campus were committee recommendations that the sum of \$22,830 be loaned from the McEnerney Fund to finance the fund campaign for the Earl Warren Legal Center; that the first residence hall built in Unit #3 be named Spens-Black Hall in honor of Sallie McKee Spens-Black (whose estate in 1949 included a gift to the University of \$500,000 for the purpose of constructing a dormitory); that purchase of the Phi Kappa Psi fraternity property at 2625 Hearst Avenue be approved and that Treasurer Underhill be authorized to try to get Sacramento to shift money appropriated for the purchase of land on the Northside to be used for purchase of the land at the site of Residence Hall Unit #3 at 2417 and 2427 Channing Way.

I talked with Ed Pauley, Don McLaughlin and Harvey White about the Lawrence Hall of Science, asserting that we should go ahead with plans for the \$6 million and then expand to use the \$3 million from NSF if we get it and only

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UNIVERSITY OF CALIFORNIA, BERKELEY



an informal report

From the Chancellor

October, 1960

Dear Friends:

With this letter, I should like to resume a series of informal reports, started by President Kerr when he was Chancellor, to alumni of the Berkeley campus. Too often we erroneously assume that our friends away from the campus know everything we do about the University. I find as a result that interested alumni sometimes lack information that can help them understand University problems. Sometimes I find legitimate concern that can be dispelled by a few facts. One of my purposes, then, is to make these letters a substitute for what I should much prefer--an informal personal chat about University affairs.

I have a second major purpose. I hope these letters will stimulate you to express to me your ideas and your feelings about the University--when I have the good fortune to see you in person or through your own letters to me. I am sure I cannot answer every question to everyone's satisfaction. But the expressed views of those who have a genuine concern for the University enlarge our horizons and make a valued contribution to the University's success.

In this first letter, I shall talk about a number of aspects of the urgent problem of the University's growth: the housing shortage for students; what the University will be like in the year 2000; the limitation on the size of the campus; and what we are doing to keep the campus beautiful in the face of continued building activity. I will also tell you about some changes in the ASUC.

The Housing Shortage

Back in the lean days of the '30's, when I and perhaps some of my readers were in school, the University, in the tradition of the German universities, provided few services for students. The University made available the basic materials for an education: the professors, the classrooms, the laboratories and the libraries. A minimum of essential services, such as medical care, supported by student fees, was provided. The Dean of Women's office maintained a list of approved housing for women. Beyond these things, students were expected to fend for themselves. And it seemed reasonable enough to expect the student to find lodging and food and other necessities in the community. Nearly all students lived in private housing--some in fraternities and sororities, many in boarding and rooming houses, apartments and rooms in private homes. A small number lived in housing provided by private gifts to the University--International House and Bowles Hall.

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We are today far distant from the '30's in time, economic conditions and social thinking. As always, nearly all parents want their sons and daughters to live in wholesome, well-supervised quarters. They want them to have regular, well-balanced meals. Today a larger number of parents than in the '30's are able to pay for these things, if the price is modest. The outlay may mean family sacrifice, but parents are willing to make it (a recent survey indicates that more than half of our students' parents are in very modest circumstances and that 80 per cent of all students work at least part time). The provision of wholesome, reasonably-priced housing is being looked upon increasingly as an essential service in a public university.

We have been aware of this trend for some time, and have done everything we could to meet it. In 1945 the University built Fernwald Halls, the first residence halls constructed with public funds. The money was loaned by The Regents, to be repaid in 25 years. This brought to 768 the number of accommodations for single students in University-operated housing. In addition there are 419 apartments available to married students in University Village and 35 in the Ambassador Apartments, which are owned by the University. Other major sources of housing are: fraternities, 1500 men; sororities, 1300 women; International House, 529 students; approved housing (rooming, houses, private residences, etc.), 1069 students.

When the eight handsome new University Residence Halls were occupied last fall and last spring, their 1680 accommodations for students were clearly a most important increment. These halls, constructed largely through the foresight of President Kerr, tripled University Housing for single students. About five million dollars--almost half of the cost of the halls--was provided by the state government. This appropriation, together with similar funds for the State Colleges, marked the first such financing by the state government. About five million dollars were supplied in a loan by the Federal Government. Some three-quarters of a million dollars in private gifts supplemented the government moneys.

We did not expect the new Residence Halls to solve a long-range problem; they could only alleviate the situation. On April 1 we issued our usual call for applications for University housing. Under the rules, we give priority to those students who have lived in University housing previously. After these students had been given accommodations, there remained 750 vacancies. There were 4000 applications for those vacancies.

Our rules of assignment are designed to obtain some representative mixture of students in the halls. So rooms are apportioned according to the geographical origins and the year of students. Within the divisions assignments were made on a first come basis.

What about those who could not be given rooms? Large numbers of them have been helped by our Housing Services, which was established in 1947. Today this office has 11 full-time people assigned to assist students and faculty in finding housing. Through Housing Services, many students have found accommodations in approved housing, as well as in other dwellings which are listed by private owners. Others have found apartments and rooms in hotels and homes in the area. And of course each year some students drop plans to enroll, for a variety of reasons.

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While our Housing Services have done a fine job, some students will have been hard-pressed to find places to live. It is estimated that there will be an eight per cent enrollment increase over the fall of 1959, with a total of 21,400 registering. I have made an appeal to the residents of Berkeley to list their spare rooms with our Housing Services, and the response was most helpful.

What about the future? What will we do as 6000 more students are added between now and 1965? Frankly, we shall have to suffer through more housing shortages. While friends of the University have been generous, the large sums needed to build residence halls are difficult to obtain from private sources. Moreover, we have not yet overcome completely the attitudes of past years; so financing for housing generally has had a low priority.

We are, however, doing everything we can. The need is recognized. The Regents approved our application for \$3 million in Federal loans for 968 new housing units.

To build these units, however, we must obtain from the state a matching \$3 million. It still would be several years before the first units could be completed. In time we hope to build 16 more halls. We would like to provide University housing ultimately for 25 per cent of the 27,500 students who eventually will enroll at Berkeley, compared with 14 per cent of today's student population. Considering the problems, the task is formidable, but we will continue to work toward that goal.

Changes for ASUC & Daily Californian

This fall some rather marked changes will be apparent in the ASUC structure and function.

One change that I am sure most of you know about went into effect on July 1. At that time the intercollegiate athletic program was transferred from the ASUC to the University. This was done, of course, after a year's study to establish a uniform policy for both the Berkeley and Los Angeles campuses. Pete Newell, former basketball coach, is head of the new department within the University at Berkeley.

The second change will have to do with the extracurricular program of the ASUC. The story of this change--actually there are a number of changes--is quite involved, but I should like to take the time to give you a rather full account of the matter.

During the past year President Kerr established a new set of student regulations designed especially to give greater freedom of expression on campus. Whereas there used to be rather rigid restrictions on some individuals who could speak on campus, for example, candidates for political office, the new regulations permit the appearance of speakers from the various political parties. In addition, the regulations allow volunteer groups of students on campus, so long as they do not claim to represent the University or the students as a whole, to take positions on issues of the day.

President Kerr placed one basic restriction upon the expression of views by the ASUC. The ASUC is a compulsory organization. It is established for the purpose of carrying out an extracurricular program for the students and giving students experience in self-government. It is not and has never been intended

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as a political action organization on behalf of students. On the premise that the University has no right to compel students to belong to a political action organization, President Kerr's regulations stipulate that the ASUC Executive Committee may not express opinions on behalf of the entire student body on off-campus issues of a political, religious or economic nature. However, on September 26, President Kerr issued an interpretation of the regulations in which he pointed out that members of Executive Committee have the same rights of expression as other students and that they may take stands on issues so long as they make it clear that they are speaking as individuals and are not representing the University or the student body as a whole.

During the past year, however, some students strongly advocated allowing ASUC Executive Committee to represent the student body as it sees fit. President Kerr thereupon, with the concurrence of The Regents, stated that if the students themselves are clearly dissatisfied with the restrictions inherent in compulsory membership, the ASUC could become an organization of voluntary membership. The Regents authorized him to make this change where and if it seemed desirable on the various campuses.

Meanwhile, a new Executive Committee was elected. Immediately after final examinations, the members of the new Committee began studies of the ASUC organization and function. They concluded that the extracurricular activities program was weak, that organizational changes were needed, and that changes should be made in Executive Committee's publisher responsibility. Early in July, they adopted legislation designed to improve the program.

Executive Committee made specific suggestions for a fuller intellectual, cultural, social and recreational program. Responsibility will be assigned in a way more likely to effect the program. For example, the job description of the ASUC Executive Director will place more emphasis on the activities program rather than on finance as in the past. Executive Committee will be relieved of much day-to-day detailed financial responsibility by the delegation of such responsibility to a new ASUC Business Manager without removing authority. Executive Committee will delegate much of its present publisher responsibility to a consultative board composed of nine students representing a cross-sample of the student population and six non-students representing other significant areas of the University community. This Board will be an advisory and recommending body designed to increase the effectiveness of the Daily Californian as an organ of campus communications. Finally, the Executive Committee proposed to assure an effective student forum beginning this fall, for the discussion of political and other issues.

When these measures were proposed to me, I referred them to Student Affairs Committee (composed of faculty members) which meanwhile had started a study of ASUC. SAC made the following recommendation to me: "...We believe that the students should be given the opportunity to do the job they have set out to do. Therefore, we recommend that you accept Executive Committee's actions in principle and allow the students until the middle of spring semester 1960 to demonstrate that they have the ability to make the ASUC organization a vital one to students and to the entire campus community. At that time we would expect to examine progress made and to prepare an evaluative report for you and the ASUC."

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Needless to say, I was delighted at the initiative of the student leaders. I concurred with Student Affairs Committee in its view that the students should be given the chance themselves to develop a viable program. Under these proposals, the ASUC will remain compulsory and will refrain from becoming a political action agency.

Campus Beauty Most of us can remember, from student days, some favorite spot on campus--perhaps a quiet grassy slope shaded by knarled oaks. And I am sure that many of you wonder, as you hear of our busy building program, what has happened to well-remembered campus vistas.

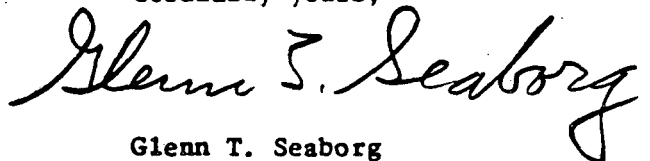
While some changes are inevitable as the campus grows to meet new demands, I am happy to report that landscaping, far from being neglected or left to chance, is the subject of careful study and long-range planning. Under a contract with The Regents as Supervising Landscape Architect for the Berkeley campus, the noted San Francisco landscape architect Thomas D. Church is drawing up a landscape plan to harmonize with the general master plan for the campus. Moreover, to integrate faculty views in this plan, I have recently appointed a four-member Landscape Architecture Advisory Subcommittee headed by Professor Herbert G. Baker, Director of the Botanical Garden.

The over-all goal of the master landscape plan has been described as "marrying the new gracefully with the old." Specific problems include the need for preserving many handsome and historical stands of trees and other natural features, making creeks more accessible to strollers, preserving or augmenting certain trees or other objects used as class exhibits, adjusting walks and roads to conform to increased traffic flow, and relating new buildings to the existing landscape.

Under this program, I can assure you, no tree or shrub is removed except for great reason and after the most careful thought. Visitors to the campus, as well as those of us who are here all the time, have been pleasantly surprised by the "new beauty" created, for example, out of much of the old "jungle" along Strawberry Creek.

Behind these efforts, of course, is the knowledge that the appearance of our campus is important not only to staff and students who work and study here, but also to our neighbors throughout the East Bay cities who regard it almost as one of their parks, to alumni throughout the world who treasure it in memory, and to thousands of visitors who come to admire and to photograph.

Cordially yours,



Glenn T. Seaborg
Chancellor

use fundraising as an augmentation procedure, to which they more or less agreed. On this basis we might propose an architectural competition. We still do not have a fundraising chairman. Pauley didn't think he should do this, but he did agree to approach the Rockefellers and McLaughlin and Pauley may approach Steve Bechtel for the chairmanship. There was agreement to meet for dinner on the Friday of the November Regents Meeting at University House. (Although this may conflict with the meeting of a committee that Regent Canaday chairs on research. I said I'll see Canaday to see if both groups could meet at University House.)

Harry Wellman has an interim plan for sabbatical leave policy (which Cunningham has ruled would have to be changed by a change to the Standing Orders). Until that time, Wellman said we should try to get professors to take one semester of full pay, then the second semester on leave with full pay from the grant and if this fails, they will have to get individual approval from the Regents each time it comes up.

Helen and I hosted a reception at 5 p.m. for the Snows (C. P. Snow is Regents Professor) and the Kittos (Humphrey Kitto is Sather Professor).

Helen told me that she attended a coffee hour for the mothers of sixth graders (David's class) today.

Friday, October 14, 1960- Berkeley- Los Angeles

In my Chancellor's Office this morning I read some incoming correspondence, including a letter from Robert Blum (Asia Foundation) accepting my invitation to become a member of the Board of Directors of International House.

A memo from Errol Mauchlan corrects the misinformation that Adrian Kragen received from Lee McLean, who said that UCLA receives more money in grants, contracts, donations and endowments than we do.

I was interested to read this week's issue of Time Magazine, which features Clark Kerr on its cover and gives a rather extensive history of the University of California, description of the Master Plan for Higher Education, etc. On the whole the coverage was very positive, pointing to our many strengths and continuing growth. I was, however, a bit disturbed by the conclusion of the article:

"Last month those who were eligible for Berkeley were greeted at their first 'orientation' by a fairly chilly official statement: 'We assume you are adults. We won't check up on you to see that you are in a given place at a given time. We won't make sure you ask questions if you need answers, and we won't make sure you seek outside help if you need it. Come to think of it, we won't do much of anything for you. We assume you can take care of yourselves.'

How good an education will they get? It all depends on them. The schooling on Cal campuses is on a take-it-or-leave-it basis. Berkeley's brightest faculty lights have long been more interested in their own research than in undergraduates. Still, there is a saying around Berkeley that it is better to be 50 feet from a great man than five feet from an ordinary one."

ROTC Decision Not Seen

DAILY CALIFORNIAN

October 13, 1960

Chancellor Glenn T. Seaborg does not expect the Board of Regents to decide the voluntary versus compulsory ROTC question at its meeting tomorrow.

President Clark Kerr, who is recovering from a virus infection, will not be at the meeting, Seaborg said. The Chancellor does not think the Regents will vote on ROTC in Kerr's absence.

Kerr has already declared that he "expects" the Regents to reach a decision this fall, but refused to predict what the decision will be.

Seaborg has also declined comment on the final outcome. Seaborg said it would be "indiscreet" or him to try to forecast the Regents' actions.

Three of the Regents have commented on the controversy.

Regent Donald H. McLaughlin, when asked if he expects a decision soon, said "All the facts are in." McLaughlin expressed a "hope for prompt action." He would not predict the vote, but said, "It's not going to a unanimous decision."

One Regent, who wished to remain unidentified, said, "I think it should be voluntary," and said he thinks the rest of the Board will agree.

"I think it could have been settled at the meeting a month ago," said Regent Howard C. Naffziger. Asked why the vote was not taken at the Sept. meeting, he replied, "I think it was simple procrastination."

Many people expected the Regents to resolve the controversy at their April meeting here. At that session they listened to arguments for and against a voluntary program from student presidents from several of the University campuses.

They then tabled the issue in order to wait for the results of a conference held early this summer at Ohio State University with representatives from 40 other universities and representatives from the United States Department of Defense. They were also awaiting the report of a faculty committee established to investigate the status of the program.

Speculation then arose that the decision might come in July, but the Regents did not discuss the matter at that meeting.

I asked Margaret McConnell to look into the origin of this quote from my administration. Although there is admittedly some truth in this, in that we do expect our students to be independent and responsible for themselves, the emphasis on a disinterested faculty is very unfair to us, I think.

I attended the meeting of the Regents Committee on Finance beginning at 10 a.m. The first item on the agenda was discussion of possible sources of funding for the purchase of the Chaparral Hill tract.

Harry Wellman also made a report on the exchange of letters between State Director of Finance John Carr and the statewide administration regarding the proposed 1961-62 budget and the amount by which the University's needs exceed the "target figure" provided by Carr.

General Counsel Tom Cunningham questioned the appropriateness of his representing both the ASUC and the Regents; it was decided that in case of a conflict of interest, the Counsel will represent the Regents. Otherwise, there is no objection to his working for the ASUC, if they so desire.

At the Regents Meeting at 2 p.m. I gave a report on our CHEM Study program, disclosing that there is evidence that high school students actually can absorb subjects we once hesitated to give to first year college students. I expressed the belief that, as the course is widely adopted, chemical education and ultimately chemical research in this country will be greatly advanced.

After the Regents Meeting, on my way back to my office, I bumped into Will Dennes and told him about the Regents' reaction to the Subject A resolution, expressing the strong opinion that there ought to be a better way of handling these things in the future.

At about 4:30 p.m. I placed a call to Gilbert Lee to let him know that he will be receiving a letter from President Kerr inviting him to accept the position of Vice Chancellor-Business and Finance at a salary of \$20,000. I told him that Forrest Tregoe has accepted the ASUC job. He said that he will wait to receive the letter and then respond, mentioning that he is a little worried about the idea of taking a cut in salary (from his current \$22,500); I said that I hope this will not be a deciding factor. I told him that I am not empowered by the Regents to say more--I hope I gave him enough of a hint so that if it is the determining factor, he will feel free to say so in his answer to Kerr.

I then called Norm Topping to follow up on our earlier conversation about preventing any incident at tomorrow's football game. He said that he has talked with or alerted the coaches, student body president, yell leader, etc. I have done the same (or, at least, with everyone but the yell leader and I will talk with him tomorrow).

I then went home to pick up my suitcase, etc. A University driver picked me up at 6:45 p.m. and drove me to the San Francisco Airport, where I caught United Flight #205 to Los Angeles, arriving at 9:20 p.m. A Hertz rental car had been reserved for me. I spent the night at my mother's house in South Gate.

Saturday, October 15, 1960- Los Angeles

After a leisurely morning chatting with my mother, I drove out to USC, where I spoke at a luncheon of UCB alumni held in the USC Dining Commons. It was the usual sort of alumni talk--growth of the campus, success in athletics, cultural programs, liberalization of rules about speakers, etc. I also dropped by the luncheon which Norman Topping was hosting in the foyer of the Town and Gown.

The football game began at 1:30 p.m. in the Los Angeles Memorial Stadium. As is traditional in a Cal-USC game, contact seems to be extra vigorous. The McKeever-Bates incident of last year did not spur the teams to some extracurricular activities. Nevertheless, the hitting was vicious, hard but clean. No unnecessary roughness, personal foul or illegal use of the hands penalties were assessed against either team. Norman Topping and I continued our traditional bet of a tie over the outcome of the game. Unfortunately, I lost once again.

In the evening I enjoyed a buffet party hosted by Ralph and Barbara Edwards at their home in Beverly Hills (710 North Hillcrest Road). I spent the night at the Westwood Manor Hotel.

Sunday, October 16, 1960- Los Angeles- Washington, D.C.

I left on the early morning (7:45 a.m. American Airlines #76) flight to Friendship Airport in Baltimore, which arrived at 4:35 p.m.

En route I talked with UCLA Chancellor Franklin Murphy about the Straw Hat Band problem and particularly our frustration that Wilbur Johns has not even been willing to discuss this with us; he said he'll talk to Johns about improving communications. Murphy said that the Time magazine article is causing a lot of trouble at UCLA, where they resent the "little sister" treatment they were given in the article.

I spent the night at the Statler Hilton Hotel.

Monday, October 17, 1960- Washington, D.C.

The PSAC meeting began at 9:30 a.m. in the Room 220 of the Executive Office Building. The first part of the morning was spent in Executive Session, largely on discussion of nominees for the Committee.

Most of our time was taken up by a disagreement between I. Rabi and Kistiakowsky. Rabi feels that PSAC should be spending more time on broad issues and less on particular items. Several other members took up Rabi's position and Kisty agreed to consider some broader issues, although not, I must say, with much good grace.

After lunch Rabi and Bill Nierenberg reported on international scientific activities.

We then considered the latest version of the report on the organization of science in government, for which Kisty rejoined the Committee and during which he once again lost his temper.

I talked with Alan Waterman today about the possibility of our changing University of California Regulation #4 (regarding support during sabbatical leave). He said NSF has no rule against this, that it actually pays this extra third all the time, paying for actual time of work. I will ask Ed Strong to draft a letter to Harry Wellman describing this, with a blind carbon to Will Dennes.

Tuesday, October 18, 1960- Washington, D.C. and Home

Our PSAC meeting began at 9 a.m. with a Pentagon briefing on command and control.

This was followed by a report from Manny Piore on the Continental Air Defense Panel report.

I was not able to stay for the afternoon presentation on by Jim Shannon an NIH program since my plane (TWA #61) left Baltimore at 3 p.m. Bill Nierenberg was on the same flight so we sat together. I told him about the irresponsible action of the Academic Senate regarding the Subject A examination controversy. Bill, who is very active in the American Association of University Professors, remarked that he understands why I am unable to attend their meetings, but suggested that I really should regret that I cannot attend rather than just ignoring the notices. I made a note for Akiko.

We arrived in San Francisco at 6 p.m. and I was picked up, as usual, by a University driver, who took me home to Lafayette.

Helen and Lynne told me that there was a bit of excitement at the opera "Carmen" in the Greek Theatre, which Lynne's friend Karen Wagner attended with them on Sunday: there was a fire behind stage but it was quickly extinguished. They said they enjoyed the opera very much; it was a beautiful day and the setting of the Greek Theatre was ideal. Yesterday Helen had the Cub Scouts and last night Lynne attended her Girl Scout meeting at Stanley School.

Wednesday, October 19, 1960

I went directly to the Radiation Laboratory this morning in order to attend the 9 a.m. meeting of the Associate Directors. While there I double-checked the plans for Victor Spitsyn's visit here. (He's arriving later this afternoon.)

I also signed a form recommending Robert Vandenbosch for a scholarship under the Associated Research Councils exchange program. I have known Bob and his wife Sue (who also did graduate work with me in Nuclear Chemistry) since Bob worked with my group 1954-57.

I tackled a large stack of correspondence as soon as I arrived in my Chancellor's Office. The rest of this week is going to be terribly busy. I rather quickly reviewed and signed a stack of letters which had been prepared for my signature.

Among them was a memo to Clark Kerr outlining the steps which have been taken to obtain support for Proposition Four (a constitutional amendment allowing the Governor to appoint state college trustees for an eight year term rather than the current four year term, which was suggested in the Master Plan for Higher Education) in the November election.

I also signed a memo to Archie Mull and Sam Kagel outlining the Regents' action regarding the fundraising campaign for the Earl Warren Legal Center.

I was pleased to see that my article "New Currents in Chemical Education" was published in this week's Chemical and Engineering News (copy attached) and to read a note from Nelson Rockefeller (copy also attached).

The CAAC met at 12:15 p.m. Our guests today included Henry A. Schade (Chairman of the Department of Naval Architecture), Thomas J. Kent (Chairman of the Department of City and Regional Planning) and Hunter Dupree. I opened the meeting by introducing them and Robley Williams, who has just joined the Council in his role as Faculty Athletic Representative. I then reported on the October meetings of the CCCO and the Regents. I also urged members to support both Proposition Four and the Speaker's Bureau.

Alex Sherriffs then made a report on the recommendations of the Student Affairs Committee regarding the future role of the ASUC. The following summary is lifted from the minutes which were prepared subsequent to the CAAC meeting:

- "(1) Full intellectual, cultural, social and recreational extracurricular program was outlined for the campus.
- (2) Individual student leaders and paid personnel were assigned responsibility for carrying out this program.
- (3) Communication and coordination among persons and agencies involved in the program was stressed.
- (4) ASUC Executive Director's job was designated to emphasize a campus program rather than finance.
- (5) Reorganization should place responsibility for financial and business operations with an ASUC Business Manager buttressed by an advisory committee.
- (6) Delegation of much of its present publisher responsibility is to be made to a consultative board.
- (7) A viable and adequate activities program is to be developed for summer sessions.
- (8) An effective student forum is to be started in the 1960 fall semester."

Hunter Dupree then reported on the steps taken in the past few years to revise the General Catalogue and related publications. It was suggested that in order to economize, we 1) drop the Circular of Information; 2) produce the new announcement of the College of Letters and Sciences at a maximum of 48 pages (instead of 80 pages); 3) if necessary, trim the General Catalogue by 5%; and



Dr. Glenn T. Seaborg

Chancellor,
University of California,
Berkeley

New Currents in Chemical Education

Since World War II there has been a pronounced shift of the American industrial economy into the sophisticated engineering exploitation of advanced scientific knowledge. This shift shows every sign of increasing at an accelerating rate. The biggest impetus for this has come from the exacting requirements of the military preparedness effort, but the new technology which this effort has spawned has had widespread and crucial impact on the nonmilitary economy as well.

Today the person who wishes to understand the industrial world or to provide technical or managerial leadership of real significance to this industrial world must have a mastery of scientific principles far greater than was required in the past. Furthermore, this mastery must be true understanding and not superficial knowledge of the state of the art, because in today's science and today's engineering, new ideas and applications are continually replacing the old. One must be prepared to adapt continually to the new if one is to keep up with the technological progress of the future.

These changes also strongly affect the man in the working force because the tools he uses and the tasks he is called upon to perform now require more knowledge of arithmetic, mathematics, and rudimentary scientific principles than had been the case. In 1900, 30% of the U.S. work force was in unskilled labor, but now less than 10% is unskilled. The per cent in the traditional skilled trades such as carpentry has also gone down as more of

the labor force has moved into white collar or more technical jobs. An increasing fraction of workers has gone into service trades and other occupations in which scientific education is less important, but factory jobs—certainly the more desirable factory jobs—have become more technical in nature.

At the same time that these shifts in industrial practices have occurred, we Americans have seen the ending of an era when our political and economic life was partially isolated from that of major portions of the world; and we have entered an era in which we are thrust to a central place on the world stage and in which every aspect of our lives is influenced by, and serves to influence, what happens in every part of the planet. It is as important for us to know what is happening on the banks of the Congo, in Quemoy, and in the city of Berlin, as it is to understand what is happening on Main Street, U.S.A.

Science and technology play a huge role in the factors which shape political and economic developments in all areas. Scientific and technological knowledge will be called upon to aid in the solution, if any can be found, of many of these serious problems.

The Liberally Educated Man

My definition of a liberally educated person is one who is aware of the nature of his physical and social environment and of his own nature; who understands the origins of the world's social, religious, governmental, and

political institutions, and the ideas upon which they are based; and who, because of this knowledge, has some basis for making intelligent decisions to adjust to his environment or to change to a better one. Such a definition, I believe, means that scientific studies form an extremely important part, though not the only important part, of a liberal education. The educated man of today can no more ignore science than his predecessor in the Middle Ages could ignore the Christian church or the feudal system.

This analysis of trends in American life leads to the conclusion that one severe test of the quality of the American educational system is its success in providing the proper scientific training for those seeking a broad education, for those seeking specialized technical training, and for those seeking only occupational training at the high school or junior college level. Fateful events of the past few years have created a growing awareness of the crucial importance of education for national survival and have stimulated an unprecedented re-examination of the entire school system, particularly instruction in science.

I think it is appropriate to review some of the things which have been happening because of this re-examination. Because we here are chemists and because chemistry is one of the key scientific disciplines, I shall restrict my remarks to proposed changes in the teaching of chemistry.

I shall start with high school, because deficiencies in chemical education have been most serious at this

level. The American Chemical Society since its founding has had an interest in high school chemistry. One instance was the formation, in 1959, of a committee with Prof. A. B. Garrett of Ohio State University as chairman to examine the purpose and content of high school chemistry courses.

Partly as a result of the recommendations of this committee the National Science Foundation decided to sponsor two studies of high school chemistry courses. The earlier study bears the name "Chemical Bond Approach" and is directed by Prof. Lawrence E. Strong of Earlham College, Richmond, Ind.

The second study, of which I am general chairman and Prof. J. Arthur Campbell of Harvey Mudd College, Claremont, Calif., is director, is called "Chemical Education Materials Study." These two studies are part of the series of high school science projects sponsored by NSF which includes Physical Sciences Study, School Mathematics Study, Biological Sciences Curriculum Study, and Teaching Resources Development in Geology Study.

Some Schools Out of Touch

Many high schools in this country give a satisfactory course in chemistry, but in many instances the high school course is pitifully low in quality and out of touch with the science as it is known to the professional. Most courses have a qualitative discussion of too many topics as a result of the accretion of new material and stubborn reluctance to discard any material that ever was in the course. On the other hand, much important modern information is missing. Furthermore, there has been a movement away from laboratory experience for the student.

We need not go into all the reasons for the shortcomings of high school chemical instruction except to emphasize one reason for which most of us carry a heavy share of blame. I refer to the surprising and persistent general lack of interest in high school chemistry and lack of communication with high school teachers and administrators on the part of college professors of chemistry and professional chemists. This situation has gone on for decades, and high school chemistry courses of the recent past are an ugly monument to it.

... chemical education materials study could help bring change

Happily, there are many examples of a rapid change for the better, including participation of the ACS nationally and through its local sections. I shall use the Chemical Education Materials Study as an example of the type of action contributing to a change. This study is no more important than many other efforts, but just happens to be the one with which I am most familiar and therefore, I shall describe it in some detail.

The steering committee of this study includes many illustrious chemists, and all have given enthusiastic support and made valuable contributions to the program. A preliminary meeting was held in Berkeley, Calif., in January at which time major objectives and a time schedule for their accomplishment was established. The important decision was made to attempt to develop a high school chemistry text and accompanying laboratory experiments in time for trial use in a few high schools during the academic year, 1960-61. This was an almost impossibly short time, but we felt it was worth attempting in order to save a year in attaining the objective. Events have shown that this gamble proved successful. Further meetings of the steering committee were held to guide the study as it developed.

The general objectives of the study are to develop new teaching materials for high school chemistry courses, including a textbook, laboratory experiments, a laboratory manual, films, and supplementary reading materials. The specific objectives:

- To diminish the separation between scientists and teachers in the understanding of science.

- To stimulate and to prepare those high school students whose purpose it is to continue the study of science in college as a profession.

- To encourage teachers to improve their teaching methods by studying chemistry courses which are geared

to keep pace with advancing scientific frontiers.

- To further, in those students who will not continue the study of chemistry after high school, an understanding of the importance of science in current and future human activities.

We decided from the beginning to have the high school chemistry courses strongly based on experiment and to have the text thoroughly dependent upon and integrated with laboratory experiments, with the supplemental use of integrated films whenever they would be helpful. Another tenet was that the course should be applicable to the general student who takes high school chemistry as well as to the gifted student. We proposed that the talented student be helped through supplemental material in the text and, more particularly, through a series of special monographs to be written by experts.

Six Weeks of Writing

Nine college and university professors and nine high school teachers, led by Prof. G. C. Pimentel of the University of California, were assembled for a six week writing session at Harvey Mudd College during the early part of this summer. It was the additional task of the high school teachers to keep the college and university professors down to earth. Laboratory experiments were developed concurrently during the session under the leadership of Prof. Lloyd E. Malm of the University of Utah.

This effort produced a rough draft of a text of a high school chemistry book and an outline of laboratory experiments for trial use in a few high schools during the academic year 1960-61. A further four week session at Claremont during August allowed the high school teachers who will use the material during the coming year the opportunity to become acquainted with it. A group of 14 teachers from

... high school teachers' help is vital to new plans

the San Francisco Bay Area and nine teachers from the southern California area participated in this session and are now prepared to try the new courses in their high schools. There will be weekly meetings in each of the two areas with staff members of the Chemical Education Material Study to monitor progress and to continue to help the teacher familiarize himself with the material.

On the basis of this trial experience there will be rewriting during the year, followed by an intensive six week rewriting session in Berkeley next June and July with a smaller group of contributors. This revised text will then be used in about 100 new high schools in the academic year 1961-62, in eight geographical areas around New York City, Philadelphia, northern Florida, Indianapolis, Minneapolis, Seattle, Los Angeles, and San Francisco.

There will be two summer institutes of six weeks, one at Harvey Mudd College and one at Cornell University, during the summer of 1961 to each of which approximately 50 participating teachers will be invited. There will be directors in each of the eight geographical areas who will also attend the summer institutes and who will then meet with the high school teachers once a week throughout the school year. We hope, also, that a good start on the development of the film material will take place during this academic year.

We plan to maintain liaison between the central staff at Berkeley and Claremont and all the teachers involved. We also hope to maintain liaison with related state and federal agencies and high school administrators and teacher groups. The plan calls for the availability of a basic high school chemistry text and related laboratory manual, films, and monographs as soon as possible after the completion of the second trial in 1961-62.

I find the material written this summer to be a fresh and stimulating introduction to the science of chem-

istry. I believe that those school districts which see fit to adapt their high school program to use the material provided by this program or by the alternative Chemical Bond Approach Study and to recruit or retrain teachers to handle it in a competent fashion will soon be able to send their graduates to college with a better understanding of chemistry than students in many colleges have after a year of college chemistry. If this action is accompanied by similar changes in mathematics, physics, and biology, we shall experience a strengthening of secondary education in this country.

The Teacher Must Help

None of these new plans can succeed, however, without the assistance of a competent high school teacher. We have a serious lack of properly prepared teachers, and the prospects of an early solution are not bright. Ideally, the high school teacher of chemistry should have a B.S. or B.A. with a major in chemistry, in addition to the required teacher certification courses. In fact, however, only a small fraction of our chemistry teachers are so prepared. There are a variety of reasons for this, the chief one being the low salaries paid to teachers.

It would take us too far afield to go deeply into this problem. However, anyone thinking about the problem of improvement of schools, and in particular the improvement of science teaching in high schools, is forced to face the necessity for getting substantially increased funds for teachers' salaries from local and state agencies and substantially increased indirect aid to the schools from federal funds.

One way in which the lot of the high school science teacher has been bettered recently is in the creation and proliferation of special "in-service," academic year, and summer study institutes, in which the worthy teacher

can get financial support plus all-important credit toward an advanced pay scale rating, plus some exposure to the content of modern chemistry. Such programs have been organized in university, governmental, and industrial laboratories with funds supplied by industry or government agencies, notably the National Science Foundation or by private foundations.

A feature of these programs is the participation of professional chemists—another example of the renewed interest of the professional man in teaching the next generation. Another feature of many of these summer programs is the admission of the trainees to research laboratories as observers or helpers so that they may have some exposure to the methods and meaning of genuine chemical research. Such exposure will surely stimulate beneficial changes in the presentation of chemistry by the teachers.

A great contribution to the improvement of the high school teachers' knowledge of chemistry has been the Continental Classroom series presenting Dr. John F. Baxter in a television program sponsored by the ACS, NSF, and a number of industrial firms. Dr. Baxter and his staff are to be commended for the excellence of this television series and also for the preparation of a series of 160 films for a complete high school course in chemistry. The film series was developed under the sponsorship of a committee appointed by the American Chemical Society and filmed by Encyclopedia Britannica Films, Inc. It was supported by the Fund for the Advancement of Education. Many ACS committees and members have made major contributions to the activities I have mentioned, as well as to many others.

An excellent summary of current projects has been presented by the Committee on Teaching of Chemistry in the *Journal of Chemical Education*, Sept., 1960, pages 476 to 477. I urge others within the Society to contribute their time, talent, and support to the continuation and expansion of these programs in their own communities.

Strengthening chemical instruction at the secondary school level inevitably leads to problems and challenges in the presentation of freshman college chemistry and to a re-examination of the presentation of scientific material in the elementary schools.

First, the elementary schools: We

know that the young child has a strong and often imaginative interest in the nature of things and that the way in which this natural curiosity is nurtured or neglected has a profound effect on his or her later interest and effectiveness in scientific subjects. This seems to be particularly true of mathematical reasoning powers. Many persons and committees have reviewed the content and effectiveness of science courses presented in elementary schools and have not found a healthy situation.

Correlation Is Weak

Of all weaknesses found, perhaps the greatest is the almost complete lack of correlation between science as presented in school and science as understood by the scientist. Elementary school science is primarily a pictorial science. It is fragmented science with snippets of information about such favored topics as weather, nature study, magnets, and a series of "Gee Whiz" topics. It is not well organized and does not reveal the strong underlying connection between all natural phenomena. It is not presented in a logical progression of inter-related topics increasing in difficulty. Topics are presented as results to be accepted on faith. There is little exposure to experimentation and little attempt to indicate how scientific conclusions are derived by inductive or deductive logic.

In large part this poor presentation of elementary school science is caused by the poor scientific preparation of the teachers. The great majority of them have not been interested in the subject, have had a minimum of science in college, and show a general uneasiness with the subject, particularly its quantitative aspects. The high turnover in the ranks of the elementary school teacher is also a severe problem. Hence the teacher cannot be blamed if she puts her best efforts into handling the many other subjects she is teaching simultaneously and usually teaching quite effectively.

It is unrealistic to hope that sizable numbers of people with adequate science backgrounds can be drawn into the ranks of the elementary school teachers. In the larger school districts there has been effective use of special science supervisors who service many classes in many schools and who assist the regular teacher in the preparation of scientific materials.

... few teaching problems in college chemistry have ideal solutions

One way in which the professional scientist can help is in the preparation of materials—textbooks, booklets, films, film strips, course outlines, and demonstration materials patterned for the younger child. This help must—and this is a very important qualification—be worked out and tested with the full cooperation of teachers who are experienced in teaching younger children.

An example of such a program is the one initiated by Prof. Robert Karplus of the department of physics, Prof. Leo Brewer of the department of chemistry, and Prof. Arthur Pardee of the department of biochemistry and virology, all of the University of California at Berkeley, and supported by a grant from NSF. Their program, Elementary School Science Project, started in 1959 under a grant from NSF. Their goal is to define a small number of ideas which underlie all natural phenomena and to develop a unified presentation of science in terms of these concepts. The presentation is graduated in difficulty according to grade.

To date the program has taken the form of the preparation of booklets on such topics as coordinates, force, simple physiology of the body, and natural selection. These are written for the elementary school teacher and include suggestions on the presentation of the material to the child in a typical classroom situation. Experienced elementary school teachers are participating actively in the preparation of the booklets, and trials of the material were made in many classrooms in the San Francisco Bay Area during the 1959-60 school year; many more will be made during the current school year. The preparation of film and TV material is also planned.

The National Science Teachers Association is also developing a program called K-12 which aims for a unified treatment of science course content from kindergarten through the 12th grade. The Committee on the Teach-

ing of Chemistry of the Division of Chemical Education of the ACS also has a group study in progress.

Different Problems in College

When we turn to the teaching of college chemistry the problems are of a different nature. We are blessed in America with many universities and colleges whose departments of chemistry do a splendid job in the teaching of chemistry. But even these face chronic problems for which there are no ideal solutions and which can be met only by compromises which may take different forms in each institution. Many of these chronic problems are apparent in the teaching of freshman chemistry.

How can chemistry be taught to large groups of freshmen with large range in preparation and interest in the subject? Should separate courses be given for the chemistry major, the liberal arts student, and the pre-medical student? Should the freshman laboratory courses be abandoned in favor of lecture demonstrations? How mathematically rigorous can the presentation of such topics as bonding and reaction kinetics be? In the subsequent chemical curriculum should the traditional qualitative and quantitative analysis courses be eliminated?

What is the proper order of courses in the curriculum? What is the proper selection of topics from the fields of chemistry which are manifestly too numerous and extensive to be covered fully? Should undergraduate research be encouraged or required? What should be the balance between the attempt to teach students facts and the attempt to teach them to think? What is the proper balance between science and nonscience courses in the curriculum?

No one has any final answer to these problems. The thing that is new about the situation in 1960 is that

intensification of the problem has caused an unprecedented flurry of rethinking and reconstruction of the undergraduate chemistry curriculum. Some of this may represent mere tinkering, a mere stirring of an old brew, but most of it is spurring a healthy change.

The intensified application of science in industry and the amazing increase in expenditures for research and development in the past few decades have put a heavy demand on colleges for their science graduates. At the same time the men who might have remained to do the teaching have been lured away. Add to this the sharp upturn in population figures and in the per cent of young people seeking a college education and you have a numbers problem which is beyond the capacity of the older, distinguished college departments to handle.

Smaller, lesser-known departments must plan on sharp increases in size and quality. New colleges will have to be created and staffed. My own institution, the University of California, with seven separate campuses—including two very large campuses at Berkeley and Los Angeles approaching 20,000 to 25,000 each in enrollment, and with a present total enrollment of about 50,000—clearly sees the necessity for additional campuses and is proceeding now to create three large new schools in the major population centers of the state. Our state college system and junior colleges also have very ambitious expansion plans.

The capstone of professional scientific education in this country is graduate school training leading to the Doctor of Philosophy degree. There is no question but that the Ph.D. investigator is the key man in a continued, rapid growth in strength of American science. The number and quality of Ph.D. scientists and the way we use their talents will, to a large extent, determine in what directions and with what speed the American economy will develop.

If we expect to retain our competence in the areas of military tech-

nology and to take full advantage of the great opportunities of the next generation of science, it is a fact that our level of investment in graduate education and support of fundamental research and development must be multiplied. The processes of graduate education and basic research belong together to their mutual advantage.

If graduate education aims to make scientists or future trainers of scientists, and if inquiry into the unknown is the moving principle of science, then experience in this kind of inquiry is essential to graduate education. Such experience is best obtained in association with others who are working actively in research. The would-be scientist or trainer of scientists must learn the true nature of scientific discovery and this is the most important thing he can be taught.

There is going to be great difficulty in staffing expanded chemical faculties, and there is going to be considerable pressure to do this staffing with people whose training in chemistry, even at the graduate level, does not include the personal experience of research. It would be unwise to give in to this pressure.

Research institutes associated with universities should be strengthened. Such institutes should assume a closer connection with the teaching departments of the universities and make further use of such devices as postdoctoral fellowships so that postgraduate education and research may be intermingled to their mutual advantage.

The expansion of university graduate schools and research activities is an expensive undertaking. In many fields, including chemistry, it is beyond the capacity of the traditional sources of academic funds to provide support to the extent that the national interest requires. The essential partnership and support of the Federal Government has been given *de facto* recognition in the large expenditure by federal agencies for basic research of all kinds in recent years—a good part of it expended in the universities or in

government laboratories administered by universities. One estimate puts the Federal Government's contribution to fundamental research in the universities at 70% of the total expended. In the expensive field of nuclear physics the Federal Government has picked up almost the entire tab.

Federal Support Needed

Few serious analysts of the present dependence of our society on a thriving scientific development argue against the necessity for this heavy involvement of the Federal Government, although many have raised legitimate questions concerning how it is administered and what it portends for the universities. With the necessity of federal support firmly established, the 1960's will see a careful reappraisal of the ways this support can best be used, a broadening of the fields to which it is applied, and revision in the traditional contract, grant, and fellowship system of support to the colleges and universities and to their students and faculties.

The intimate mixing of graduate education with fundamental research is so important to their maintenance of excellence that large federal funds will have to be spent to create and strengthen research activities on university campuses. Universities will have to be vigilant to see to it that this process does not lead to any domination of them or to any adverse changes in their character.

These are some of the new currents in chemical education. Because of the enormous size of the educational establishment in the U.S. it is doubtful that these currents will cause, within a short time, the major improvements we so desperately need. But significant and heartening improvements have been effected in many institutions, and there is real hope that the forces being set in motion will eventually cause a thorough strengthening of chemical education at all levels in nearly all of our schools.



STATE OF NEW YORK
EXECUTIVE CHAMBER
ALBANY

NELSON A. ROCKEFELLER
GOVERNOR

October 14, 1960

10/18
Coat
10/25/60

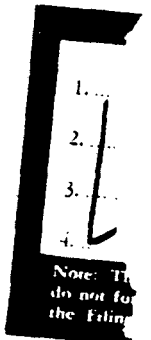
Dear Chancellor Seaborg:

Please forgive the delay in answering your thoughtful note of September seventh. I certainly enjoyed my short visit to the Berkeley campus last month, and am most appreciative of your generous comments.

With best wishes,

Sincerely,

Mr. Glenn T. Seaborg
Chancellor
The University of California
Berkeley 4, California



4) eliminate course descriptions in the school and college announcements. The fourth item was the subject of considerable discussion, with many expressing disfavor with it. The discussion came to a close with the suggestion that the revision should get underway, albeit slowly, with everyone concerned to keep an eye open for further possible economy measures. The thought was expressed that after decentralization, we may have more freedom to move money around-toward publications. The meeting was adjourned at 3 p.m.

I took the opportunity afforded by one free hour to continue reading through the large stack of memos and letters on my desk. Ed Strong wrote a memo about his meeting with David Mandelbaum, who apparently thought that we would provide him promised support for his research without his making any further effort; Ed informed him that he must make applications through regular channels.

Bill Wurster wrote to pass on some of his concerns about campus development. He included the suggestion that we should establish some sort of a guest house for University visitors and the following comments:

"2. AD HOC Planning

- a. I was dismayed to hear there is a possibility that money will be spent on the old cafeteria which may keep it after the Environmental Design Building is built-- in a word, at our main entrance will be a miserable structure completely wrecking the surround.
- b. Also disturbed to hear that the metal temporaries will be kept at Cowell-- How can we hope for a beautiful and appropriate campus with this type of thing?

3. Chancellor's Office

I was one of the people responsible for its present undignified location and so located it because it was thought to be temporary. As South Hall does not seem to be the place, -- couldn't it be on the upper floors of Stephens Union? These are fine rooms and appropriate to the Office of the Chancellor. The present conference room is too crowded just to mention one thing. But more than that, is the fact that you are tucked away in the back corner of a building. It's all wrong. Please consider this carefully, will you?

4. Residence Halls

I hear disquieting rumors that the housing groups have a tendency to go beyond program writing in an attempt to gain low cost and talk of solutions rather than leaving this up to professional advice. Let us be sure we don't freeze into banal solutions by such a process. By all means if we must do less expensive residence halls let us do so but never in the direction of UCLA which is quite brutal."

At 4 p.m. I met with Florin regarding the Hitchcock lectureship program.

Iz Perlman brought Victor Spitsyn to my office directly from the airport at about 4:30 p.m. I am very pleased that we have managed to get approval for this eminent Soviet scientist to visit the Radiation Laboratory. I do hope

that we will see an increase in exchange visits. Spitsyn, who will stay at the Faculty Club during his visit, is dining at the Perlman's house tonight. Unfortunately, Helen and I are not able to join them since we have to be in San Francisco for my talk to the International City Managers Association.

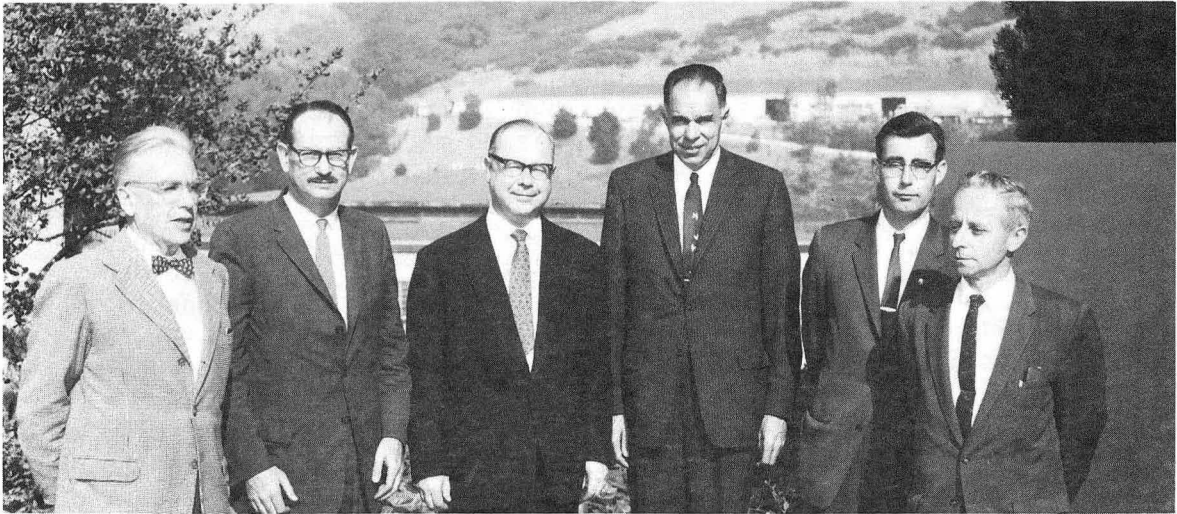
This is the 46th annual conference of the International City Managers Association, at which more than 600 city managers and county managers (most of whom also brought their wives) from 42 states are registered. Helen and I arrived at the Sheraton Palace Hotel in time for a cocktail hour in the Rose Room, which preceded the 7 p.m. banquet in the Garden Court. I spoke on "The Nuclear Age", emphasizing the things which city governments will need to learn in order to adequately protect their citizenry from the dangers of radiation exposure.

Thursday, October 20, 1960

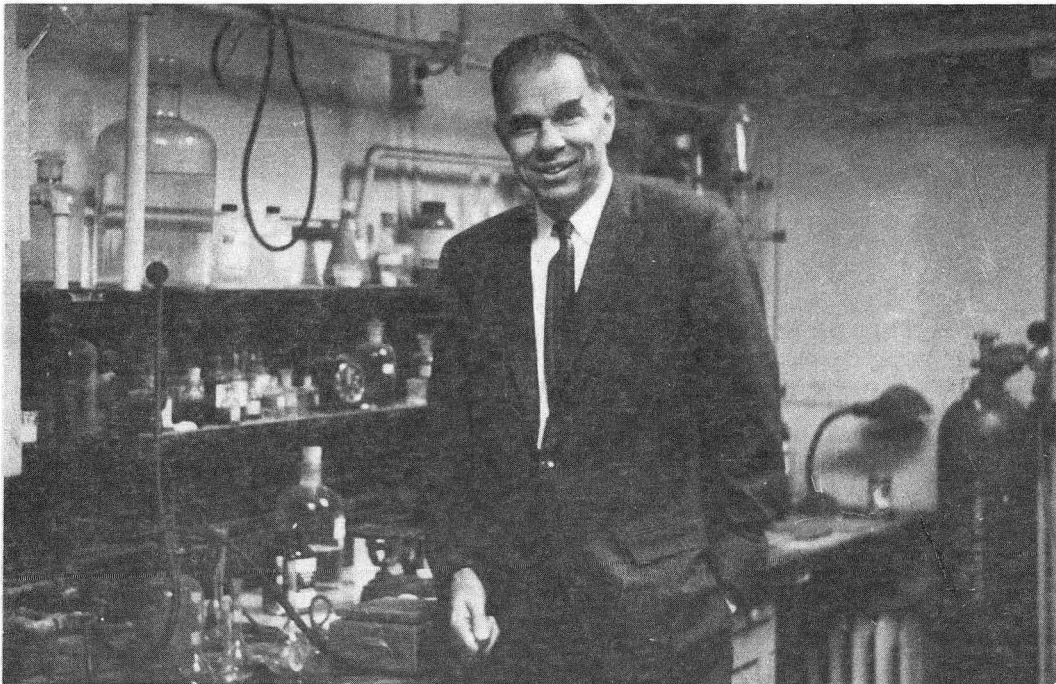
I went straight to the Radiation Laboratory this morning to meet with Victor Spitsyn in Iz Perlman's office. Spitsyn and I posed for a number of photographs along with Emilio Segrè, Burris Cunningham, Earl Hyde, Ed McMillan and Iz Perlman.



L to R: Emilio Segrè, GTS, Burris Cunningham, Earl Hyde, Victor Spitsyn, Iz Perlman, Edwin McMillan



L to R: Segrè, McMillan, Spitsyn, GTS, Hyde, Perlman at the Radiation Lab



GTS in 307 Gilman Hall, where plutonium was discovered.

I arrived in my Chancellor's Office at a little before 11 a.m., just in time for my Student Office Hour. Trevor Pendray, a graduate student in Education, wanted to interview me in connection with a report that he is going to make as a result of a number of interviews with deans and administrative officers on the Berkeley campus. He said he interviewed me in a similar manner a year ago, which I frankly don't recall. His topic this time was the influence of Christian ethics on American universities and it went further to include its influence on civilization in general. He asked me a number of questions and recorded my answers with the use of a little portable tape recorder. He assured me that my answers would be used in a statistical manner only and that my name will not be used. He said he will give me a copy of the report when he completes it.

Steve Plageman came in to talk with me about his "F" grade in ROTC, which was due to his so-called improper conduct when he refused to respond to questions which he considered to be improper. I told him that this is a part of the total course of instruction, that is, his conduct; that the grade was given accordingly and that grading in courses is the responsibility of the faculty--that there is nothing I can do in this particular case. I told him that my assurance that there would be no questioning of this sort in the future referred not only to him (because, after all, he transferred out and over to the Air Force ROTC) but to all students so that in this connection there has been one favorable result from his action. However, I told him that I think it was not a sensible action for him to take.

Then we digressed and began to talk about the possibilities of the change to voluntary ROTC. I explained what the present time schedule for this change is, that we need President Kerr at the Regents Meeting to make the presentation, that there will be a month's delay after serving the notice, and that I hope that there will be no incidents in the meantime. He suggested that I might want to talk with Mike Tigar of SLATE (to which Plageman also belongs) because he thinks they might have some sort of protests in mind. I urged him to talk with Tigar and to ask him to come see me during my Office Hour next week.

We went on to talk about the HUAAC riot last May and I explained to him some of the problems this has caused for us, including the adverse reactions of students in eastern schools and the flood of negative mail from solid (and even liberal) people, which I feel ought to be taken into account in evaluating the effect of the whole incident.

Plageman seemed quite impressed and even asked me at the end in what way he could help. I said he could help by being sure that he is on solid ground in his future activities, emphasizing that I was not asking him to violate his conscience in any way; I just want him to realize the overall position of the University and what such actions have done to place me in an awkward position since in the eyes of the public I am involved with all actions by students and their defenders.

John Fitz came in to talk with me last year about working student opinion into the deliberations of the Academic Senate Educational Policy Committee. Today he wanted to talk with me about the off-campus issue matter and the definition of off-campus issues. He asked me why we considered the O'Grady case and the cases of the two students who lost their visas as off-campus issues. I said that these were cases where the people involved just happened to be students of the University and that we should no more take up their case than the YMCA

should if they happened to be members of the YMCA, or than a church should because they happened to be members of their congregation.

He went on to question me about the case for a voluntary ASUC, asserting that there are many undergraduate students who want to get out of the ASUC and many graduate students who want to get in.

We concluded our conversation with a discussion of the philosophical basis for not requiring humanities for science and engineering students. I agreed in general with the arguments for requiring such courses and also mentioned my interest in instituting a science requirement for non-science majors. I suggested that he talk with C. P. Snow about this, observing that Snow and I share similar views in this area.

Freshman Victor Campos came in just to meet me and to chat with me. He is a member of a church-connected fraternity on Haste Street. He likes the Berkeley campus and doesn't think it is cold or impersonal, saying that his fraternity brothers were a big help to him in getting oriented. He is taking courses primarily in Sociology now but thinks he will probably major in Criminology and go on into Law later on. He asked why we don't have a Department of Theology. I tried to explain the philosophy here and also that this is a matter pretty much controlled by the Academic Senate Committee on Educational Policy.

I was interested to learn from Kitty Malloy that a straw vote conducted this week among freshmen students to determine who they would vote for in the presidential election if they were old enough to vote revealed a rather close race: Nixon-1253; Kennedy-1161; write-in candidates-41.

I signed a memo to Harry Wellman reporting on my conversation with NSF Director Alan Waterman in Washington and concluding,

"If the University of California revised Regulation 4 to become more restrictive than the National Science Foundation and other universities in remuneration for summer employment and in sabbatical leave supplementation, this would be to our competitive disadvantage."

A note from David Gardner (Alumni Field Director of the California Alumni Association) passed on the following quote from the minutes of their Public Affairs Committee:

"Included in this report were a few comments about the student riots in San Francisco. Several people had seen the movies, including a showing at a service club. There was a unanimous reaction that students should be held accountable for any actions which cast discredit upon the University. The suggestion was made that such accountability be made known to the students at the time of their application to the University and made a condition of such an application. There was general feeling that the Daily Californian was largely responsible for the involvement of the students in the riot. This resulted in a discussion of the choice of editors of the Daily Californian and suggestions were made that the closely held control of succession of editors was a factor in the generally questionable policies of the paper. Hope was expressed that a more democratic system of selecting editors would be introduced and that such a plan would vary the editorial policy without actually controlling it. Hope was expressed that any action resulting from these suggestions be reported back to our committee as a stimulus to our thinking."

At 12:30 p.m. I attended a luncheon in honor of Spitsyn at the Radiation Laboratory. In the course of the afternoon I met with Harvey White (about the Lawrence Hall of Science), Aubrey McClellan (of the Chevron Research Corporation to discuss CHEM Study matters), and Emilio Segrè (about Radiation Laboratory matters).

I attended another meal in Spitsyn's honor, dinner at the Black Sheep Restaurant.

At 8 p.m. I then went to a preview party for the newly-refurbished University Art Gallery. Featured at the Gallery is an exhibition "Modern Painting and Sculpture from California Collections". I made a few remarks on the improvements in the building and then introduced Curator Herwin Schaefer, who made some brief remarks concerning the current exhibition.

Helen told me that she attended a meeting of the Foreign Student Hospitality Committee this morning and then returned to the campus this afternoon for a Section Club tea at University House.

Friday, October 21, 1960

The San Francisco Chronicle carried an article covering the announcement I released yesterday about the University's plan to conduct, in conjunction with the Anti-Defamation League of Bnai Brith, a five-year study (at a cost of half a million dollars) of anti-semitism in the United States.

This morning I went directly to Richardson Hall in the UC Extension Center in San Francisco, where I made some remarks to the University-High School Committee on Affiliation with Secondary Schools.

I arrived on the campus in time for the luncheon catered by Everett Goff which I hosted for the ASUC Executive Committee at University House. There was a lot of talk about the dispute between Ex Com and the Daily Cal editorial staff over control of the paper. Ex Com has called a meeting for this afternoon to consider changes in the Daily Cal by-laws and there is every expectation that this may cause the paper's staff to walk out in protest.

After the Ex Com luncheon I met briefly with Norman Watson (Professor of Physiology at UCLA), who is visiting our campus.

I then attended the Kroeber Memorial Seminar at the Faculty Club. Alfred Kroeber, our famous anthropologist, died in Paris on October 5th, presumably of heart failure. He was 84 years old. Services were held in Paris on October 8th.

From there I went to the Radiation Laboratory to hear Victor Spitsyn speak on "Recent Advances in Radiochemistry in the USSR", which was very informative.

Steve's Cub Scout pack met at Lafayette Town Hall at 7:30 p.m. As usual, the whole family (except Dianne, of course) attended.

Saturday, October 22, 1960

Helen and I hosted a luncheon at University House for small town newspaper editors and publishers. Pete and Lynne accompanied us to the luncheon in order to help entertain the son and daughter of Sir Charles and Lady Pamela Snow, who were also our guests.

Attendees included the following editors and their wives: Paul Cassell (Salinas Californian), Keith Emenegger (Antioch Ledger), Oscar Liden (San Jose Mercury News), Delmar L. Nelson (Hayward Daily Review), Warren Brown (The Independent, Richmond), R. L. Spangler (Redwood City Tribune), Jack Craemer (San Rafael Independent), Alexander Bodi (Palo Alto Times), William G. Werner (Alameda Times Star) and W. R. Sharkey, Jr. (Contra Costa Gazette). Charles Hulten of our Journalism Department and his wife also attended.

Dan Wilkes had arranged for the guests to take tours of the Radiation Laboratory (the Bevatron, etc.) during the morning; at the luncheon many of them expressed interest in this and asked me intelligent questions about the Lab's research. The main topic of conversation was, quite naturally, the controversy over editorial control of the Daily Californian.

We then all went to the Cal-Oregon football game in Memorial Stadium. The Bears lost to Oregon by a score of 20-0. Oregon gained 502 yards total offense against the Bears' 139. Oregon's Cleveland Jones did most of the damage by scoring 14 points, catching a six yard pass from Oregon's underrated quarterback Dave Grosz for six points, throwing an eight yard touchdown pass from his halfback position and kicking two extra points.

Sunday, October 23, 1960

Dan Wilkes and I played a full 18 holes of golf at the Contra Costa Country Club. I played a worse game than usual, scoring 106. Dan played his usual good game- 79.

Monday, October 24, 1960

I worked at home this morning in order to avoid the traffic and simply go straight to San Francisco for my 10 a.m. speech.

A call from my Chancellor's Office informed me that the Daily Cal staff resigned, as we expected.

After a very nice introduction by J. Peter Elder (Dean of the Graduate School of Arts and Sciences of Harvard University) I presented the opening remarks at the meeting of the Association of Graduate Schools in the Association of American Universities at the Sheraton Palace Hotel. As usual, I tried to open with a bit of humor:

"I should not be surprised if you and I have much in common. The positions of Dean and Chancellor seem to the uninitiated, after some years of labor in the academic trenches, to present grand and wonderful opportunities for accomplishment. I suspect that as professors we do not fully reflect on what a Dean or Chancellor really is. At least, this was so in my case. After having cast the die, I learned that a Chancellor is, among other things, according to the proper definition of the Oxford

Unabridged Dictionary, 'the general guardian of infants, lunatics, and idiots.' If pressed to say whether I subsequently have found that my duties do indeed embrace this responsibility, I shall decline to answer... pleading the first amendment, of course."

I went on to talk about the importance of education in general and particularly the importance of supporting graduate education and research as partners, relying largely on the finding of my PSAC Panel.

At 2 p.m. Sherry Warrick and Alex Sherriffs and I met with two Soviet exchange students, Yurei Bocharov and Vladimir Nebera, to find out how they are enjoying their visit here thusfar. One specific point I asked them was whether the English course which they are taking is adequate. They said "not really", that all they are taking is a phonetics class and that what they really need is a course to help them increase their vocabulary and general knowledge of the language. They did say, however, that they are treated very well and they very much like living at I-House. I asked them to get in touch with me again at the end of the year since I am interested to know how they fare during the year. They informed me that there will be more Soviet students here for the Spring Semester.

Frank Kidner and I met at 2:30 p.m. He referred to his memorandum to me of October 6th, discussing the question of the advisory committee recommended by the Public Relations Committee report. He thinks that this is all right, providing that we do not use the title "Relations with Schools". He would like to have us include one of the three Berkeley members of the Statewide Academic Senate Board of Admissions and Relations with Schools and that when we make this appointment we make it clear that the individual is being appointed because he is a member of the Statewide Academic Senate Board of Admissions and Relations with Schools.

He then referred to the Senior Officer of Relations with Schools who is assigned to each campus. In our case, this particular person is in the Statewide Office, because of proximity, I believe. He suggested that this person might be invited to CAAC meetings. I told him that we will consider his suggestion. One reason he wants us to act on this as soon as we can is that he doesn't want to explore other methods of effecting a liaison until we have tried this suggestion; he is hoping that we will set a pattern for other campuses.

We then talked about my letter to him expressing reservations of the adequacy of the budget that we are receiving from his office. I pointed out that this was not intended as a criticism, that we wanted to reserve the right to come back if we find that the budget is indeed inadequate.

At 3 p.m. I posed for this year's Blue and Gold picture.

Eleanor Rattigan (Central Intelligence Agency) kept her 3:30 p.m. appointment with me. She said that her main object in calling on me was to get acquainted and to tell me about her assignment, which includes interviewing people on this campus as well as others who had talked to people from foreign countries during their visits here. The purpose of her interviews is to learn whether any information of interest to the CIA was learned by the host during his guest's visit here. She told me that both President Kerr and President Sproul have been aware of her activities. She would like Akiko Owen to furnish her with the names of foreign visitors who came to see me as their designated

host; I said that would be all right. She would also like a list of our own people who are on sabbatical leave; I replied that this is in public domain and that Kitty Malloy would provide it. (I later learned that Kitty has been doing so all along.) I told her, however, that she should be circumspect in her interviews with our faculty and if she finds any faculty who don't want to divulge this information, she should honor their feelings and not press unduly for information. Her chief is John Shively, whom I met some time ago.

Edwin Zebroski (General Electric Atomic Power Plant in San Jose) called about 4 p.m. to find out if I intend to speak at the December meeting of the American Nuclear Society. I told him that I will talk about Elements 99, 100, 101 and 102 and make some predictions for the future. He wants a copy of my talk to use for a press release; I said I would try to get something ready for him.

In preparation for my meeting with Dan Silver and Margaret Wilson, until today Editor and Managing Editor of the Daily Cal, I studied the statements in today's issue:

Under a two inch heading "WE RESIGN"-

"We, the Senior Editorial Board and staff of the Daily Californian, announce our resignation.

We have taken this drastic and far-reaching step not to preserve an 'in-bred single philosophy' or to promote a political aim. We have resigned in an effort to preserve the principle of free, valid and responsible student journalism on this campus.

We, as journalists responsible to the best interests of the University community could not in good conscience publish a newspaper under the ridiculous and odious [sic] provisions approved by Executive Committee last night.

Events have proved that Executive Committee's action was a deliberate attempt to force our resignations. We regret that an essential service to the campus community is in the control of a body so irresponsible as to force the resignations of a dedicated and competent staff. We think the irresponsibility of this action is well demonstrated by the resignations in protest of top editors of other ASUC publications.

We hope you, the campus community, get good journalism. We, as an independent paper operating under the same standards and by-laws as before, will attempt to provide it. We hope, but doubt, that a 'scab' paper can do it too.

The following is the text of our official resignations:

'Student journalism, as we see it, is only a valid endeavor if it is carried on in accord with the principles and methods which characterize journalistic activity. These include the journalist's control over the technical and news policy of the paper and complete, unrestricted editorial expression.

We believe in the definition of journalistic activities in these areas in terms of standards of journalistic ethics and competence. We have had a structure and by-laws which insured these rights within the limits of responsibility to standards serving the interests of the entire University community, to the best of our ability. We have complete faith in our ability and competence and in our willingness to correct our own mistakes.

The by-laws have now been changed in such a manner that we feel they are incompatible with the best interests of the University community and with the concepts of journalism which have motivated us, as students, to participate in the effort to produce the Daily Californian. Therefore, we the undersigned tender our resignations effective 8 a.m. Monday, October 24, 1960."

Another column presented the Executive Committee point of view under the heading "Ex Com Says":

"The student body of the University of California has delegated the responsibility of publishing the Daily Californian to the Executive Committee as the representative agency of the campus. As publishers we have acted to insure that the paper will be more responsible to the student body at large. Our action was taken in response to growing student dissatisfaction with attitudes found in news policy.

The action that we are presently taking is the reconstruction of the Daily Californian by-laws. A careful examination of the former by-laws has shown that they do not adequately define the position of your campus newspaper. They neither define the publisher-editorial relationship, nor allow for the unique monopoly of the student newspaper. This was the fundamental problem of the old by-laws, since there is no consumer control as there is over metropolitan papers. The control must be assumed by you as publishers. We wish to make it clear that no attempt is now being made to restrict or control editorial opinion. Executive Committee is unanimous in its desire to maintain a student newspaper which will stimulate student awareness. We continue to encourage constructive criticism of any and all ASUC agencies, including Executive Committee. We are also determined that the Daily Californian shall not become an activities bulletin.

Specifically, then, what are the objections to the present paper. First of all, the former by-laws provided for an accurate, true, fair and decent presentation of news and editorial expression. Most of the criticism that we have heard is in protest to violation of the above ethics.

It is also recognized that there is only one philosophy toward student government and current events represented on the staff. We feel that this is the result of the staff selection procedures as provided by the old by-laws. The Senior Editorial Board has had the final authority in selecting the top ten editorial positions. We feel that this encourages the continuation of an inbred philosophy. We do not feel this is right. The fact that the Daily Californian staff wanted to continue this inbred philosophy was clearly shown last night. Their resignation came at the point when Ex Com had approved a change in the by-laws which would allow a member from the campus-at-large to be appointed to one of the top ten positions of the editorial staff. This seems to have been the crucial issue.

Again, we are taking these actions to provide a more responsible student press. We appeal to you, the students, to bear with us in our reorganization process."

Dan Silver and Margaret Wilson came to talk with me at 4 p.m. He said that they intend to put out a very "professional off-campus paper" tomorrow, for which they have some support from Telegraph Avenue merchants. This paper will be called "InDependent Californian (DC)" and will be supported by subscription. They muttered something about presenting me with the first issue, etc. They were very friendly; there is apparently no question in their minds about whether or not we interfered in any way, i.e. they recognize that we did not. In fact, I had the impression that they think I am on their side.

They asked me if I intend to "do anything about" them; I said no. I told them, however, that I think they jumped the gun too soon in resigning and gave them a little cautious advice. They said that they have previously maintained that they would resign over any one of three points: 1) denial of editorial freedom; 2) if they couldn't control the front page (a point I didn't quite understand); and 3) if any change was made in the method of selecting the editorial board.

I told them that they were most vulnerable on the third point, which they took well. I also told them that they were wrong about the Kerr Directives, that Kerr didn't have the Daily Californian in mind at all and that the Ex Com action was not against the Kerr Directives. I urged them to maintain their independence by all means, not to let anyone take them over or influence them because they contribute to the paper, not to be vituperative or bitter- just to turn out the best paper they can. They wanted to know if they are still invited to the Thursday lunch; I said "of course".

At 5 p.m. I met briefly with Reed C. Lawlor, who was the reader in a Physics course I took at UCLA, then a patent attorney for the Manhattan Project and now practices patent law in Los Angeles. He told me something about the ideas he has been exploring in logic lately, which he expects to publish soon.

I walked over to the Hotel Durant to attend the dinner meeting of the Intercollegiate Athletic Advisory Board. This was the first meeting of the academic year. Members include: faculty members Eric Bellquist, Carl Nordly, Robley Williams and Adrian Kragen; students George Link, Jerry Siebert, Jeff Snow and Larry Stewart; and alumni James Archer, Dick Peter and Herman Selvin. Athletic Director Pete Newell attends the meetings ex-officio. There was, of course, much talk about the Daily Californian imbroglio.

Tuesday, October 25, 1960

From my Chancellor's Office this morning I sent a telegram to General Atomic in San Diego giving a positive reference for Peter Gray.

I was pleased to receive a letter from Henry Cabot Lodge:

"Dear Dr. Seaborg:

I wish I had the chance to thank you in person all those who, like yourself, did so much to make my recent visit a great success. An event such as this requires, I know, a great amount of effort, planning, and time on the part of many people. Your contributions to this joint effort was an important one and greatly helped to make the visit really memorable for me. Please accept my grateful thanks.

If ever I can be of any possible assistance in the future, please don't hesitate to call upon me.

With renewed thanks and with kind regards,

(s) Henry Cabot Lodge"

I read a letter from Davis Chancellor Emil Mrak informing me that they hope to receive from the National Science Foundation the \$200,000 needed to move the 60-Inch Cyclotron from Berkeley and install it at Davis.

At 10 a.m. I joined the meeting of the Coordinating Committee on Teacher Education in my Conference Room. Bill Brownell serves as Chairman of this committee, which includes members from the School of Education T. Bentley Edwards, John U. Michaelis and J. C. Stone and representatives from academic departments, Henry Nelson (Mathematics), Bryce Lyon (History), Luis Monquio (Spanish) and Charles Muscatine (English). Ed Strong and I made some opening remarks on the importance of their work, emphasizing particularly the importance of preparing teachers in academic subject matter, and then left them to continue their agenda for a full-day meeting.

Harry Wellman called me shortly after I returned to my office to let me know that, after consultation with Kerr, Pauley and Steinhart, he has decided to submit the budget for the University within Director of Finance Carr's framework. It may have to go before the legislature for final resolution.

He told me he has talked with Ed Carter about the Tamm petition. Cornelius Haggerty wrote Childers, business agent for the trade union, saying that they would make benefits retroactive (at a cost of \$2 million). Carter said this is not so. Wellman then called Haggerty, who now seems to understand.

At noon I presided over a meeting of my Cabinet, which everyone was able to attend. Alex Sherriffs asked for discussion on whether or not the InDependent Californian may be distributed on campus. It was agreed that it cannot be distributed if it is for sale (but, of course, could be sold in the ASUC store as are all other newspapers and magazines); and that in the case of distribution of a free paper, we should rule in accordance with the directive of 1935, if Sherriffs finds out from Cunningham that this ruling is still in effect despite the Kerr directives.

I raised the question of whether or not Forrest Trega should continue to be invited to CAAC meetings in his new capacity as Executive Director of the ASUC; it was agreed that for the present he might be invited as an observer.

I also brought up Frank Kidner's suggestion that the senior officer for Berkeley of Relations with Schools be made a member of the CAAC. There was strong feeling that CAAC should not be expanded to include Statewide staff and

that we should promote the idea of this person meeting regularly with Chancellor's Office staff as a way of effecting liaison.

We went through a long list of other agenda items, including reports from me on the meeting with the Association of Graduate Deans, my trip to Washington for the PSAC meeting and conversation with Alan Waterman about sabbatical pay, etc.

At 2:15 p.m. Starker Leopold and I met with Rene DeVogelaere to talk about plans for computer use on campus.

I presided over the beginning of the Campus Planning Committee meeting that began at 3 p.m. (I had to excuse myself before the meeting was concluded because of the cocktail party for the Association of Graduate Deans which I hosted at University House beginning at 4:45 p.m.)

We began by reviewing and approving the schematic plans for the Animal Behavior Research Station which will be located on a 20-acre site on hill lands adjacent to Grizzly Peak Boulevard and east of the Radiation Laboratory.

Robert West (LRL) reported on the site study for an addition to Building 6 (the 184-Inch Cyclotron building) and Louis DeMonte stated that these site studies were now being brought before the Committee for approval before further negotiations between the Regents and the Atomic Energy Commission, which we gave.

Sandy Elberg and DeMonte reviewed the extensive and involved siting problems for the physical sciences and engineering in the easterly portions of the central campus and concluded that they feel that finally we have achieved what is generally considered to be the best possible space assignment consistent with the objectives and principles of the Long Range Development Plan, as follows:

Bio-organic Laboratory (Photosynthesis Laboratory)-- the northerly portion of the "reserve site" immediately south of Cowell Hospital and immediately west of Piedmont Avenue.

Chemical Engineering-- the present Biochemistry-Virus Laboratory building and as much of a future westerly addition to that building as may be necessary.

Physics Expansion-- the building site directly east of Campbell Hall and formerly designated as "Chemistry Unit 3".

Mathematics-Statistics Building-- west of the Mining Circle at the easterly end of Central Glade.

I reported that I intend to call a meeting of the Lawrence Hall of Science committee on November 17th at which methods both of financing the project and of choosing the Executive Architect will be discussed. I noted that some members seem to favor the usual architect appointment method, whereas others tend to prefer to hold a limited architectural competition to make this selection. The Committee reaffirmed its interest in the architectural competition. I then excused myself from the meeting.

The cocktail party for the graduate deans was co-hosted by UCB and Stanford; however, Wally Sterling was not able to be present so he sent Dean Albert Bowker, Vice President and Provost Frederick Terman and Vice Provost Robert Wert to represent him.

Wednesday, October 26, 1960

In my Chancellor's Office this morning I signed a number of letters and memos. I wrote to Clark Kerr to recommend that we cooperate with the request of the City of Albany relative to the extension of Marin Avenue noting that I believe the necessary land can be removed from agricultural uses without destructive damage assuming adequate time is allowed for orderly removal of crops grown in the area. I have finally decided this is the correct action.

I wrote to Gordon Mackinney (Chairman of the Educational Policy Committee) and Howel Williams (Chairman of the Committee on Budget and Interdepartmental Relations) to ask for their committees' views on the policies and conditions under which federal support of faculty salaries would be acceptable, noting that acceptance of federal support will come up for discussion by the Regents' Committee on Research in the near future.

At 10:45 a.m. I met with Robert Wood (West Coast Representative for all Time, Inc. publications including Sports Illustrated). He wanted to talk about our future in athletics, particularly football, which he thinks is pretty dismal.

He also was interested in learning more about our scheduling policy. I explained that our present schedule was made six years ago and the accidental nature of next year's tough schedule, which was a result of this. I pointed out that we won the Pacific Coast Conference championship in football in 1958 and that UCLA has a good football team with the same entrance requirements as ours. I told him that there is no move to seriously downgrade the competition, but that we are paying attention to avoiding scheduling with schools that overemphasize athletics, noting that Ivy League schools cannot find a place for us on their schedules because they are full with their Round Robin.

I also drew attention to the successes of our Berkeley basketball, baseball, water polo and rugby teams. I said that one reason for our difficulties in football this year is that we have a new coach; others are that we are operating under a new system and that there are a lot of sophomore players, including the quarterback. He asked why we don't play state colleges, a question to which I did not respond. I did point out, however, that within ten years we will have a number of comparable schools on the coast, that USC entrance requirements are coming up and that the Davis, Santa Barbara and Riverside campuses are each expected to have 15,000 students. I concluded by saying that I am not as pessimistic as he and that we intend to maintain a strong intercollegiate athletic program.

I then met with Adrian Kragen, Norman Mundell and Errol Mauchlan to go over budgetary questions.

At noon I hosted a luncheon at University House in honor of Mrs. Elliott H. Wheeler, the executrix of her husband's estate (he was an alumnus of the Class of 1909, whose father was part of our Class of 1879) who has endowed the University with \$1 million in securities, the income from which will support grants for research and scholarships.

I had a 2 p.m. appointment with Eugene Gibbs, who brought Bob Milam with him to my office, to interview me for the University Students Cooperative Association newspaper. They asked me about my attitude towards the cooperatives; I told them I am in favor of them. They then asked what the University's attitude is towards the \$4 million new cooperative they want to build. I told them that there are problems with this regarding regential policy.

In response to a question about my policy regarding the Daily Cal controversy, I described it simply: "hands-off".

I also brought them up to date on the situation regarding ROTC, but stressed that I do not want to be quoted in their paper on this particular problem.

Our meeting concluded with a description of the tenure system, which they had not previously understood.

Herbert York and I got together briefly to exchange information about developments in national science policy, etc.

I then met briefly with Senator Estes Kefauver to thank him for participating in our Political Speaker Series.

Beginning at 3:15 p.m. I presided over a meeting of the Academic Advisory Committee. Present were W. R. Dennes, S. S. Elberg, A. A. Kragen, G. Mackinney, J. W. MacSwain, A. B. Pardee, R. E. Powell, E. W. Strong, H. Williams and guests Geoffrey Bodman, Chairman of the Department of Nutrition George Briggs and Hunter Dupree.

I reported on a wide range of matters and then turned the meeting over to Sandy Elberg, who introduced the deliberations concerning possible expansion and review of the academic plan of the Department of Nutrition. Briggs then expanded on his plans as outlined in a memorandum of September 1960. The Committee accepted his aim of strengthening nutritional science and discontinuing non-nutrition offerings, in coordination with the transference of Home Economics to the Davis campus. It also endorsed his intention of working in cooperation with interested faculty in the School of Public Health and in the San Francisco Medical School. We adjourned shortly after 4:30 p.m.

Helen had a rather busy day, ferrying Pete and Lynne to an early morning appointment with Dr. Redmond, attending a meeting for den mothers and joining the afternoon meeting of the Aggravated Gropers. This schedule was a bit complicated by the fact that Gladys, our mother's helper, had several appointments herself this morning and so was not available to watch Dianne all day.

Thursday, October 27, 1960

This was a rare morning with no appointments or meetings scheduled. I directed a memo to all deans, directors, department chairmen and other administrative officers giving the following interim definition for the title "Associate":

- "1. The Associate should have already demonstrated his teaching ability (as a Teaching Assistant, or otherwise).
2. He should have advanced to candidacy for the doctorate or have otherwise achieved professional maturity.
3. He should have maintained a 3.5 grade-point average.

... All appointments to the title Associate should be forwarded to the Dean of the Graduate Division, who will certify that the above qualifications have been met."

At noon Helen and I hosted a luncheon for the Publications Board at University House. Needless to say, the chief topic of conversation was the off-campus Independent Californian.

When I returned to my Dwinelle Hall office I received a telephone call from Ralph Paffenbarger (Ohio State University College of Engineering) who invited me to give a lecture in February as part of their Thomas Alvin Boyd Lecture Series; I declined.

At 3 p.m. I met with Herbert Evans, who came to speak with me once again about his 300 volumes of historical material on science, including important publications of Kepler, Galileo, Copernicus and Newton. He told me that he has been approached by Harvey White, Pam Jenkins and Don Cooksey regarding their inclusion in the Lawrence Hall of Science. He also confided that he has been offered \$100,000 for the collection by the University of Texas. He said he has invested about \$80,000 in the collection and is about \$23,000 in debt (on which he is paying interest) as a result of his taking advantage of purchases for the collection. He said, however, that he is not in dire need; he can meet payments on the debt. He said he has also talked with Ed Pauley about the possibility of his collection being housed at the Lawrence Hall and that Pauley indicated that the Hall will be a big development and will grow over a period of time. I explained that the Hall has not yet started and that it will grow slowly--that in the course of that growth we would be interested in his collection but that it is all I can say at present. In the course of the conversation he mentioned his visits, at Harvey White's suggestion, to the South Kensington, Paris and Munich science museums and said that he is in the process of writing up a report on this for Dr. White's benefit.

At 4 p.m. I hosted a cocktail party at University House for the members of the Executive Committee of the Berkeley Chamber of Commerce. In the course of informal remarks I commented on our position on the development of the Berkeley waterfront, our interest in convincing the Rapid Transit District to make plans to locate a station closer to the campus, the ways in which we try to limit the University's expansion into the community, our efforts to patronize Berkeley businesses and the business which the University brings to Berkeley through conferences, etc. in addition to that supported by the student population. It was a pleasant meeting which, I feel, was very productive. Our guests certainly seemed interested in hearing what I had to say and working towards improving communication between the campus and general communities. Several times during the course of the evening I heard people remark that such meetings could do a lot to cut down on the damage done by unfortunate rumors that often circulate about the University's plans "to take over Berkeley".

Friday, October 28, 1960

In my office this morning I signed a memo to Kerr recommending that the Institute of International Studies take over the publication of the Far Eastern Survey on the impending dissolution of the Institute of Pacific Relations, an undertaking which it is estimated would cost the University about \$5,000 in subsidies during the initial years.

I also signed a letter recommending Dan Silver for a Rhodes Scholarship.

I was very disappointed to read a copy of a letter from Gilbert Lee to Clark Kerr, turning down our offer of the position of Berkeley campus Business Officer. At about 11:30 a.m. I telephoned Lee to express my disappointment and to ask him to reconsider on the basis of the \$22,000 I have been authorized to offer now. He explained that money wasn't the only thing, that the responsibilities here would be about the same as those he now has at the University of Michigan, that it was a very hard decision for him to make, that he was flattered by the complimentary things that both Ed Pauley and I had to say about him, etc., etc. It was finally decided that he will think it over over the weekend and let me know. In answer to an implied question about future opportunities, I said that financial advancement would, of course, come and that he would be considered for bigger things if they develop. I mentioned that Ray Kettler will probably call him, too, to try to change his mind.

At 2:10 p.m. I met briefly with the Committee on Committees at California Hall. Panels from which committees might be selected were suggested for the following committees: to advise on the selection of the director for the Computer Center, to advise on the appraisal of Jerzy Neyman as Director of the Statistical Laboratory, to advise on the appraisal of Paul S. Taylor as Chairman of the Institute of International Studies and to advise on the appraisal of Alden H. Miller as Director of the Museum of Vertebrate Zoology. The Special Committee on Classroom Ethics was appointed: W. D. Knight (Chairman), G. F. Break, C. W. Brown, J. L. Hodges, Jr., A. S. Levens and S. Sato.

Bernard Friedman and I met at 2:30 p.m. He brought with him two pamphlets on "Development of the Mathematics Department". Friedman asked if he should talk to the Budget Committee Chairman or the Budget Committee as a whole about the problems in his department. I said I will write the Committee and send along a copy of his brochure.

He then proposed establishing a high level Institute for Postdoctoral Work, which he thinks would require something on the order of \$100,000. I agreed that this concept is good but noted that it would have to be approved by the Committee on Educational Policy. I also observed that obtaining the \$100,000 might be difficult, but suggested that NSF might be approached.

In response to a question about available office space, I expressed the opinion that since the Mathematics Department is to get the whole building near Faculty Glade, there should be enough space. He asked about the possibility of getting more people (visiting, temporary) from the Institute of Advanced Study at Princeton and paying them over-scale salaries, using money released from the department by sabbaticals, leaves without salary, etc. I said I would check on this and let him know.

At 4 p.m. behind the Greek Theatre Helen and I hosted a coffee and doughnuts refreshment for freshmen students embarking on the first "Freshman Pilgrimage", an idea which grew from the suggestions of seniors on the "Senior Pilgrimage" that such a tour of the campus would be inspiring to incoming students. I made a few general remarks, followed by Arleigh Williams who talked about the history of the Greek Theatre in the amphitheatre, and then they marched off behind the class president who carried the University flag. They will visit Faculty Glade to hear a talk by Milt Chernin, to Wheeler Hall to hear Garff Wilson, and finally to Edwards Field to hear Brutus Hamilton. I think this is an excellent idea and hope that it will become a Berkeley tradition. Only about 50 freshmen attended today but I would imagine that it would grow in popularity with repetition.

Helen and I then hosted a dinner party at our home for some members of our faculty. Corinne Washington catered it.

Saturday, October 29, 1960

At 9 a.m. I made some opening remarks at the symposium "The Biologist and Physician Explore Cancer" co-sponsored by Cowell Hospital and the University of California Medical Center in San Francisco, which is commemorating the opening of the new wing at our campus hospital. I reviewed the services provided by Cowell and some of its history.

Dan Wilkes and his friend Rod Southwick (who is an AEC security officer) and I played nine holes of golf at the Contra Costa Country Club, shooting, respectively, 41, 43 and 47.

During the afternoon I listened to part of our football game against Oregon at Corvallis. Cal defeated Oregon by a score of 14-6. This is Cal's first win of the season, and thus Marv Levy's first win.

Sunday, October 30, 1960

I spent a quiet day at home with the family today.

Monday, October 31, 1960

Following my usual Monday schedule, I spent this morning up on the Hill at the Rad Lab. I dictated a letter to Glen Gordon responding to his recent letter to me describing his work at MIT. I told him how pleased I was to hear a favorable report on his work from Charles Coryell.

I also sent a letter to P. T. S. Andrews thanking him for sending me his interesting version of the periodic table and making the following comments:

"I note that the discussion into phases which you have proposed corresponds to the electron sub-group classification found in the table by Simmons, except for phase 0, of course. (See Moeller, "Inorganic Chemistry".)

The electron sub-group or phase classification has the advantage of grouping together those elements which have similar valence shell orbitals.

I believe that the inclusion of elementary particles such as the neutron and electron into the chemists' period system is of doubtful value however since there are more fundamental ways of classifying such particles."

I was pleased to receive a copy of his recent book, The Chemistry of Uranium and Transuranium Elements, from the Soviet chemist V. M. Vdovenko.

When I arrived at my Chancellor's Office I signed a memo to Clark Kerr stressing the importance of making some policy decisions about the future of the computer program on the Berkeley campus and raising some questions which have implications statewide:

- "1. Should our Computer Center plan on doing work originating in University Hall? On the Davis campus? On the San Francisco campus?
2. May we at this stage develop plans for installing in the Computer Center a larger machine than the present IBM 704? It is beginning to seem to me, more and more, that this will be necessary."

I read a letter which Adrian Kragen wrote to David P. Gardner (Alumni Field Director) on my behalf in reply to his recent letter to me. I quote:

"Chancellor Seaborg has asked me to reply to your letter of October 14. Since that letter was written, we have seen several steps taken by the ASUC Executive Committee which would appear to be in line with the suggestions you forwarded. When there is final action, we will be able to view the nature of the accomplishment.

I think it should be noted, however, that the film [referring to "Operation Abolition"] is erroneous in respect to the Daily Californian insofar as it states that 'a directive was issued.' The statement quoted in the film as a directive was part of a straight news story reporting the action of a student group opposed to the House Un-American Activities Committee. It was not an editorial comment of the Daily Californian."

When Dan Wilkes and I met to go over things in general this afternoon, he brought me a copy of the University of Michigan newspaper The Michigan Daily in which a student named Thomas Hayden comments at length on affairs here at Berkeley:

"If American students are hard-pressed to find clear guide-lines to The Ideal in their various activities, it always seems that they at least can look to the University of California for examples of what never to do..."

"... This week's nationally-publicized schism between Cal's student government and student paper, resulting in mass resignation of editors and the creation of an off-campus as well as on-campus newspaper, is only a symptom plaguing the school.

With regard to the immediate issue of student government and the press, one must disagree with Cal student body president George Link, who believes his government has the right to control Daily Californian policy since student funds support the paper, thus making student government the publisher. Link fails to see that the concept of a press absolutely independent in its formal relation to government is a cornerstone of both practical and theoretical democratic politics. Without autonomy, the press cannot be critical; without criticism, the government cannot improve; on faith and experience we believe this to be so. This conception of journalism is just as fundamental to the college society as it is to the larger society. If this be accepted, one can only take issue with George Link's assertion that the campus press is not free to support a candidate for student government election, since such support is 'not fair to all the candidates or students'. The press has a responsibility not simply to inform the campus, but to make evaluations; description without interpretation is a job half done.

But, as suggested, the current debate only makes a complex interplay of frictions which have tangled and damaged the student condition at Berkeley.

There was a day on the Coast last summer, when at the hospitable request of Vice Chancellor for Student Affairs Alex Sherriffs, I discussed students at Cal and Michigan. Sherriffs told me of a campus political party on his campus 'with liberal ends but illiberal methods' which had somehow permeated the other student activities, such as the student government and especially The Daily Californian. He talked of 'fixing things up' even if it required 'stepping right'. He was worried about what he called a necessity to 'let students run for a while and if they happen to go too far, drop the axe'.

Even at that date, the student situation was horribly confused: the political party assumed the Cal administration was absolutely not to be trusted, the student government assumed everything the administration ordered it to assume, and the student paper justifiably wondered where the next calamity would occur...

...It is rather the fundamental feelings which have permitted the combined and clouded problems to emerge. What is at issue is the old freedom-responsibility problem: does one permit student freedom in hope that responsibility will prevail, or does one forcibly make sure students are responsible before they are permitted 'freedoms'?

The Cal administration, Dr. Sherriffs included, tends to take the latter course, treating students like movable pawns, and also attempting to arbitrarily define their chessboard. The student government may not, for example, take a majority stand on issues which the administration calls 'off-campus'. Sherriffs would justify such a role for student government on the grounds that the government cannot 'represent' all the Cal students who pay a slight student activity fee at registration. This amounts to a barometric notion of government which responds only when the 'on-campus' General Will so dictates, and denies any Burkian idea of the representative as a individual selected by the constituency because of his own powers of judgment and creativity.

After two years of intense dispute, the situation has now become so critical that one finds it difficult to arrive at a sensible solution. The fragmentation of the Berkeley community is sorrowfully clear: those who disagree with the administration may concentrate their operations off the campus (the new Independent Californian is doing just this); those who agree with the administration, including the present student government, will operate on-campus.

Intolerable though it may be, such a situation will persist indefinitely-unless the disputants involved have courage enough to erase the damage of the past, such as the administratively-imposed Kerr Directives and consultative board, and agree in good faith on the principle that students are not related to administrators as prisoners are to guards, but that students are adult enough to take large responsibility for the determination of their scope and activity."

Tuesday, November 1, 1960

I received a telephone call from Bill Oakley (AEC Chairman John McCone's office) this morning. He wanted to know if I had received word that McCone will not be able to attend the EOL Memorial Committee meeting on November 17th; I assured him I have. He referred to my reference in the letter of invitation to the possibility of a grant from the AEC and said he wanted me to know that McCone (and his advisors) do not feel that he (McCone) should initiate the request. I advised him that we plan to initiate it.

At 10:30 a.m. Lee McLean and I met to discuss ways to revitalize the fundraising campaign for the Earl Warren Legal Center.

Jane Armstrong (Donald Deskey Associates) called to ask me if I could come to New York to discuss the educational aspects of Century 21. I told her I wouldn't be able to do that but I would be glad to meet with someone November 12th or 13th when I will be in Washington for the PSAC meeting.

At noon I presided over the regular Tuesday meeting of my Cabinet. The Cabinet's 100th meeting was commemorated by drawings by Vivian Bevis (Starker Leopold's secretary) depicting in cartoon fashion members of the Cabinet attending a meeting.

Dan Wilkes said that local papers have inquired about the cheating problem here. He has confirmed the Academic Senate's action but will not release the Glock survey on the basis that a broader study is now being made. Alex Sherriffs noted that a book is out called What Students Think, which surveyed the problem with cheating at 11 colleges. Berkeley is in line with the percentages quoted in other colleges.

Hunter Dupree announced that Herwin Schaefer wants to resign his position as coordinator of exhibitions at the University Art Gallery at the end of this academic year (his first year). We instructed Dupree to explore further the reasons for Schaefer's request and to call on Ed Strong if it seems appropriate to bring a vice chancellor into it.

Sherriffs reported that there has been a hazing incident at Bowles Hall. The faculty committee on student conduct has recommended that Bowles Hall be placed on social probation for the rest of the semester; that parking, social and side-room privileges be removed for 1960-61 for five students and for the rest of the semester for seven students. The recommendations were accepted. I will see Les Laky (President of Bowles Hall) and Pete Cassinelli (Executive Secretary) on Thursday morning.

Alex also mentioned the rooting section problem and it was agreed that I will make a statement in the form of an appeal before the UCLA game.

About 3 p.m. I phoned Ed Carter to explain the background for the meeting of the Lawrence Hall of Science Committee on the 17th of this month. (Carter had indicated to Pauley that he wanted to be assured that the meeting will be worthwhile and not long and drawn out.) I said that the present plan is to meet, say, 6-6:30 p.m. just to settle two points: the \$6 million basic financing and the question of the architectural competition. I said that those who wish to stay for dinner are invited to do so. I mentioned that I would appreciate it if he would come at 5:30 p.m. to meet with Steve Bechtel and Pauley before the full committee meeting. I told him that I am somewhat

in favor of the architectural competition; he said he doesn't feel strongly one way or the other.

Helen and I dropped by the Foreign Student Coffee Hour at International House briefly this afternoon.

Wednesday, November 2, 1960

I began my day at the Associate Directors meeting up at the Radiation Laboratory. It was announced at the meeting that Livermore has made the first major break-through in the quest for a controlled thermonuclear reaction. However, this is such a long term goal that I doubt this has much significance.

I had only a few minutes to review correspondence in my Chancellor's Office before the CAAC meeting began.

I read a long, bitter note from Kitty Malloy objecting to the proposal that we move to California Hall or South Hall, primarily on the basis of "Victorian accommodations". Kitty gave the entire history of various considerations for the location of the Chancellor's Office, some of which is quite amusing. In the note, which she addressed to Kragen, Kitty says that she and Margaret McConnell will quit their jobs here if they are forced to move to California Hall, which they feel belongs to the "horse and buggy era" and would have to be decorated with heavy red velvet drapes, etc. and even then would be freezing cold, requiring a new wardrobe of heavy tweeds.

A letter came from Gerald L. K. Smith, who identifies himself as "one who has been advertised by his enemies as one of the world's leading anti-Semites", urging our consideration of anti-Semitic literature to give objectivity to the study of this subject which we are conducting in cooperation with Henry E. Schultz (Chairman of the Anti-Defamation League of B'nai B'rith). He recommends:

"It is to be hoped that your interviews will cover a wide area of research, including the publications of the late Henry Ford, the findings of Professor John Beaty of Southern Methodist University (author of "Iron Curtain Over America"), as well as numerous other personalities who have dedicated themselves to a study of this subject and have arrived at conclusions which might not be in harmony with the opinions of Mr. Schultz and his fraternity of friends."

I suppose we will have to compose a letter to Mr. Smith assuring him of the University's dedication to objective scholarship, etc. No doubt this study will uncover a lot of active bigots.

Attached is a list of off-campus speakers who spoke to our students between July 1st and the present, which is an interesting collection of different points of view and makes it very clear that the University is not practicing censorship of any one point of view.

I presided over a luncheon meeting of the CAAC, beginning at 12:15 p.m. Our guests today included G. M. Briggs (Chairman of the Department of Nutrition and Home Economics), A. H. Dupree (in his role as my assistant), J. A. McCray (Chairman of the Department of Art), T. H. Pigford (Chairman of the Department of Nuclear Engineering), R. E. Powell (Chairman of the Department of

Office of the Dean of Students
Berkeley
11/2/60

OFF-CAMPUS SPEAKERS
July 1, 1960
to Date

<u>SPEAKER</u>	<u>TOPIC</u>	<u>SPONSORING ORGANIZATION</u>
Bernard Lee, Pres. Montgomery St. Student Protest Com.	Southern Sit-Ins	Slate
Victor Rabinowitz, N.Y. lawyer who has studied Cuba	Cuba	Slate
Frederick VanDyke, a San Joaquin Valley grower	Unionizing Farm Labor	Slate
Edwin W. Aryanayalam, Director of National education in India	Non-Violence and Political Action	Slate
Dennis Brogan, Visiting Prof. of Political Science	Effect of the Communication Media on the Political Conventions	ASUC
Benjamin Franklin, Prof. at Chico State	"	"
Harry Lerner, Director, Harry Lerner Assoc.	"	"
Nelson Rockefeller, Governor, N.Y.	Republican Presidential Ticket	ASUC
Farrel Dobbs, Candidate for President, Soc.-Workers Party	An Alternative to the Major Parties	Slate
Justice Mathew Tobriner, from Dist. Court of Appeals	Keeping the Law up to Date	Boalt Hall Speakers Forum
Norman Smith, Director Agric. Workers Org. Com (AFL-CIO)	Farm Labor	Slate
Lew Sherman, Candidate for Congress	Forthcoming Congressional Campaign	Univ. Young Republicans
Ted Kennedy, Kennedy for President Organization	Presidential Election	Univ. Young Democrats
Gerald S. Ford, Congressman from Michigan	1960 Politics	ASUC
Adlai Stevenson, leader of the Democratic Party	1960 Campaign	ASUC
Joseph P. Williams, Pres. of Joe Williams & Associates	Functions & Effects of a Management Consultant Firm	Alpha Kappa Psi
Norm Penlutter, Chief of Product Planning, Syston-Donner Corp.	Computer Circuits and their Application	UC Soc. of Electrical Engineers

<u>SPEAKER</u>	<u>TOPIC</u>	<u>SPONSORING ORGANIZATION</u>
Kenneth R. Anderson, Planning Consultant, Hidden Valley, Locnis California	Role of the Landscape Arch.	Landscape Design Club
Carry McWilliams, Student Bogdan Denitch, Machinist	1960 Elections "	Young People's Socialist League
Robert McCarthy, Dir. Dept. of Motor Vehicles	State Government	Boalt Hall Speakers Forum
Henry Cabot Lodge, Vice-Presidential Candidate	1960 Elections	ASUC
Abraham Ribicoff, Gov. of Connecticut	Democratic Party in the 1960 Elections	ASUC
Warren Danford, Exec. Standard Oil Borden Price, Lawyer Arthur Roth, Physician Fred Babo, Retired Marine Corps Major and Realtor Warren Danford, Executive, Standard Oil Company T. S. Ferguson, Lawyer	The effect of faith on life and vocation " " " "	University Interfaith Council " " " "
Ross Flanagan, American Friends Committee	Disarmament and National Security	Slate
Dr. Allen Wallace, Price Stabilization Com. & Dean of Bus.Ad. University of Chicago	Republican Political Campaign 1960	ASUC
Ed Hartwig, Engineer D. F. Schultz, Engineer R. L. Steele, Engineer	Bevetron Improvement D. C. Amplifiers High Frequency Semiconductor Devices	UC Soc. of Electrical Engineers " "
Mrs. Jewel S. Rogers, who seconded Nixon's nomination	Political Speech--Campaign, 1960	ASUC
Lew Sherman, Candidate for House of Representatives	The Campaign--1960	Boalt Hall, Speakers Forum
Thomas A. Dohm, Mechanical Engr.	Advanced Propulsion	Am.Soc.Mechanical Engns.
Marshall Windmiller, Asst. Prof. San Francisco State	U.S. Policies toward Latin America	U.C. Latin Am. Student Association
Mr. Punjabi, from the Indian Consulate	Chinese-Indian border troubles	ASUC, Inter. Relations Board

<u>SPEAKER</u>	<u>TOPIC</u>	<u>SPONSORING ORGANIZATION</u>
Howard Harrison, Interior decorator	Window decorating	Delta Chi Alpha
Elizabeth Abernathie, wife of advisor to Gov. Williams	Foreign Policies	ASUC--Union Program Bd.
Harry Anderson, Anderson's Campus Tours, Berkeley	Travel in Europe (Denmark)	ASUC--Inter. Relations Board
Estes Kefauver, Senator	Democratic, Political Speech	ASUC--Union Program Bd.
Robert W. Walker, General Attney. Santa Fe Railway	Corporate Law	Boalt Hall, Speakers Forum
Mrs. Georga Cozzini, Presidential candidate for Socialist Party	Political Campaign, 1960	ASUC--Union Program Bd.
Herbert G. Crowle, Dir. Public Utilities, Alameda	Proposition #1	Young Democrats
Keith Murray, Issues Chmn. Northern Calif. Young Democrats	"	"
Ross Flanagan, Secty. Friends Peace Committee	Peace and the San Francisco Rally	Slate
Richard Currier, former U.C. Student	The Cuban Revolution	Cunningham Hall
Cesar Jordan, former Stanford Student	"	"
Mr. Coholan, Candidate for Congress	Political Campaign, 1960	Univ. Young Democrats
Bernie Pechter, West Coast Travel Director, N.S.A.	European Travel	Nat. Student Association
Jean Mayo, was employed by Professor Parks (Art Dept.)	The works of the late Professor David Parks	ASUC--Union Program Bd.
Cesar Jordan, teacher at a Catholic University in Cuba	Cuba	Slate Forum
Frank Quinn, Exec. Dir. for S.F. Council of Civic Unity	Racial and religious tensions in Bay Area neighborhoods	Panel of Americans
Dr. Jack London, Dept. of Educ. at UC	Life Long Horizons	Pi Lambda Theta and Phi Delta Kappa
Dr. Martin Trencher, UC Ext.Div.	"	"
Sister Madeline Rose, Holy Names College, Oakland	"	"

Chemistry), R. A. Seban (Division of Heat Power Systems) and David B. Stewart (newly appointed Manager of the Educational Placement Office). After introducing our guests, I described the thermonuclear break-through at Livermore in some detail.

I also mentioned briefly that negotiations for the 1961-62 budget are still underway between the State Department of Finance and the University. The situation has not appreciably changed, with the University submitting an austere budget, and the State reiterating their insistence on an even more austere one. The fear was expressed that the matter may not be entirely resolved until the State Legislature convenes.

I also introduced a discussion of the report on postdoctoral work in American universities which Bernard Berelson (Director of the Bureau of Applied Social Research at Columbia University) submitted to the American Association of Universities last month. I observed that this report brings out the fact that the postdoctoral program is now an integral part of the American education picture; a central issue is a financial one, especially at larger universities. To the extent that this is a problem for the universities, it is a double one: for the "have's", how to finance such people; for the "have-not's" who to get more of them.

I announced the appointment of a new Committee on Grants and Research, which is to consider the impact of contract and grant research upon the campus and to recommend administrative machinery to review and, insofar as possible, to recommend measures to guide the increasing flow of extramural funds onto the campus. Membership of the Committee is as follows: Ted Vermeulen (Chairman), A. Starker Leopold, R. E. Connick, Lincoln Constance, Travis M. Bogard, Herbert Blumer, James M. Cline and Frank W. Miller, Jr. (ex officio).

Other agenda items included sabbatical leave reports (the need to submit them); the film "Operation Abolition"; tax-exemption of research assistants' compensation; the committee on cheating established by the Academic Senate; controlling unruly behavior in the rooting section; progress in funding Residence Hall Unit #3; promotion of good teaching and Distinguished Teaching Awards; and the report of the Subcommittee on Higher Education Costs of the Assembly Interim Committee on Ways and Means. On the last of these subjects the feeling was expressed that in taking on the role of formulating educational policies for expenditure of funds allocated to colleges and universities, the Subcommittee encroached on the authority vested in the Regents and other governing boards of state-supported institutions of higher learning. We also feel that in comparing Berkeley's costs with those of other institutions, it is only fair that we should be compared only with universities of excellence.

The Campus Planning Committee meeting began immediately following the CAAC. Of particular interest was a report by Louis DeMonte and Al Wagner, who referred to maps and aerial photographs of the campus area and showed us that lands being acquired by the University from the East Bay Municipal Utility District include substantial buildable areas to the south of Fish Ranch Road (Claremont Avenue Extension), understood earlier to have been the southerly boundary of the Chaparral Hill Tract lands to be conveyed to the University. The East Bay Municipal Utility District, however, proposes to retain a three-acre parcel near Sugar Loaf on Skyline Ridge for reservoir purposes; further, a two-acre area on Grizzly Peak Boulevard west-northwest of Chaparral Hill proper is proposed for use by a telephone micro-wave relay station. We

expressed pleasure on learning of the additional lands to be included in the transaction. The reservoir site appears entirely acceptable since it will not compromise buildable sites for the University; however, we will strongly resist yielding the two-acre site on Grizzly Peak.

Most of the rest of the meeting was taken up with the appointment of executive architects for various projects. We adjourned at 5:30 p.m.

Thursday, November 3, 1960

The big news this morning was the announcement of this year's Nobel Prize winners: in Physics, Donald Glaser of UCB and in Chemistry, Willard F. Libby of UCLA. TWO more Nobel laureates for the University of California! I can take a lot of credit for bringing Glaser to Berkeley from the University of Michigan and I have known Libby since my arrival in Berkeley from UCLA in August 1934. As soon as I arrived in my office I sent off a congratulatory telegram to Bill Libby and one to Franklin Murphy, noting on Murphy's message that I am sure this "opens the door to more."

I also signed a number of letters to the presidents of women's living groups winning awards for scholarship. I wrote to Professor Vdovenko (USSR Academy of Sciences) to thank him for the book he sent me and to express the hope that we will have the chance to meet again. (We met at the Geneva Atoms for Peace Conference.)

I had lunch at the Faculty Club with Dan Wilkes and Everett Johannes (City Editor of the Berkeley Gazette). We talked about relations between our Public Information Office and their newspaper and ways in which journalism students here might gain experience by working at the paper.

Lincoln Constance and I met for our weekly conference at 2 p.m. He shared with me a letter inviting him to serve as chairman of the first of three NSF regional conferences on elementary science teaching and told me that he does not feel that he has the time or expertise to undertake this. He suggested Owen Chamberlain, which I think is a good idea. I emphasized my conviction that the University must accept leadership in the causes of teaching science in elementary and secondary schools and in the creation of college-level science courses for non-scientists. I also threw out the suggestion that we should develop a course on the social implications of science.

We talked about the problems that have developed with the Griller Quartet and about Griller's request that he be allowed to reorganize the Quartet. I said that I will ask Ed Strong to review the terms of the contract between the University and the Quartet and to familiarize himself with the confidential file on this subject in my office. Strong will then consult with David Boyden and Donald Coney and make a recommendation to me on how to proceed. (This is a very sticky situation.)

Ted Sherburne came in at my request at 3:15 p.m. I wanted to discuss with him the educational television picture, in general, my being motivated to do so at this time because of his impending resignation as Statewide Television Coordinator. He is leaving to accept the position of Director for Public Education in Science at the AAAS. (He was offered a considerably larger salary than we are paying him and he thinks this is a great opportunity.)

Ted told me that educational television is finding a very good faculty acceptance here. He finds that faculty are ready to use it when the opportunity (equipment and people) are available. He said that Mathematics and Anthropology have started to use it quite extensively and that History has begun exploring its use. He thinks that the setup of educational television as administered through University Extension is a mistake and that there should be more campus autonomy with some kind of coordinating mechanism at the statewide level. He said that the Chancellor's Committee on Educational Television is doing a very good job and that Charles Hulten is particularly helpful and effective. He is going for a budget for 1962-63 of \$500,000 for operating and \$1 million for capital equipment for UCB. He is also renting a video tape recorder which, together with our new camera, should give us tremendous flexibility and opportunities to use television effectively on campus.

I called Gilbert Lee to ask him if he has reconsidered our offer. He said he has been thinking about it but still feels he should turn us down. He agreed that money was not the factor in his decision; I told him I don't think we can go any higher, but asked, nonetheless, if we could if that would make any difference. I admit I really put a lot of pressure on him, saying I didn't want to hang up the phone so long as there was any chance that I might say something to change his mind. I told him that Don Glaser (who made the move from Michigan here) has won the Nobel Prize and that I also moved from Michigan to California for better opportunities (at age 10). I went on at some length about the broad opportunities in California, the youth and vigor, sunshine, etc., etc. and said that I am not at all sure he is making the right decision. I succeeded only in getting him to promise to think about it overnight.

I met with Bob Stebbins to tell him how interested I am in his committee's efforts in devising courses in elementary school science. He told me something about their program. I told him that I would like him to pass on to other members of his committee my strong endorsement of what they are doing and my feeling that the University of California should show leadership in this area.

I called Ed Pauley to let him know that Gilbert Lee has turned us down. He, too, is very disappointed by this. We agreed that we should bring C. Russell DeBurlo out at the time of the Regents Meeting. I said I would call and set this up.

Pauley had not yet heard the news of the Nobel Prizes won by Glaser and Libby. He was, needless to say, very pleased.

I then called Don McLaughlin to give him the news about the Nobel Prizes. He, also, was delighted.

At the Faculty Club this evening I attended the annual dinner for school administrators new to this area. Twenty-five school principals and superintendents attended, together with 11 of us representing the University. I used the occasion to promote CHEM Study. Bill Brownell, Lloyd Bernard and Frank Kidner also made remarks.

Helen told me that she enjoyed a buffet luncheon at the University YWCA with Ursula Bingham and Mrs. Everett Calhoun, at which they discussed India and Africa.

Friday, November 4, 1960

At 10 a.m. this morning I gave the welcoming remarks at the Public Information Conference being held today and tomorrow in the University Hall. I remarked that there are two major interlocking reasons why the University of California is a big success: first, the University does its job well, and, second, the Public Information people do a good job of telling what a good job we have done.

Shortly before 11 a.m. I received a phone call from Swedish Consul General Manne Lindholm, congratulating us on the selection of two University of California faculty for Nobel Prizes.

From 11 a.m. until noon I held a Student Office Hour. The first student was Phil Spieth, a junior Mathematics major here who is the son of Chancellor Spieth of Riverside. He came in to suggest that the faculty might hold an Open House on Sunday night for students, as they do at the University of the South at Sewanee which he attended during his freshman year. They held an open house from about 7:30 p.m. until 10 p.m. each Sunday night for any student who wanted to visit with them and served coffee and cookies, etc. He said that he got the idea from attending Will Dennes' class. He likes Dennes so much that he wants to meet him on these informal terms and he is sure there are other students in his class who feel the same way. We then went on to discuss how he likes the Berkeley campus and whether he finds it large and impersonal; he said he likes it very much and does not find it impersonal because of the activities he has been allowed to participate in.

Norman Ginsburg, a senior Political Science major, came to tell me that he is a worker for Nixon for President and that he is worried about the situation on campus and the way the Nixon campaign is going. He thinks that it would be a big boost to Nixon if I would bring him out here after his Oakland speech tomorrow and have him toss the coin at the UC-UCLA football game. I said that I will explore this possibility, that it would have political implications and might even mitigate against Nixon and that I would want to take into consideration the non-political nature of a football game before making a decision.

Senior Don Drennan came in to share with me his concern about the safety of girls going to classes at night on unlit portions of the campus. He told me that two girls have been attacked in the last two weeks. In the first instance he came along the path to Haviland Hall just in time to avert the attack and chased him away. He said the other occasion occurred about a week ago. The attacker was a 17-year-old boy, not a UC student, who was apprehended. He thinks the solution might be to allow cars to be driven on campus to discharge passengers at the buildings where their evening classes are held or at the Library. He said in the case of the girl who was nearly attacked two weeks ago her husband could easily drive her to the building. He has reported these cases to Bill Shepard and Forrest Tregoe.

The last two students, Ellen Wedum and James Welch (both sophomores), came in together. I recognized her as the student who came in to see me during an earlier Student Office Hour to talk about the early closing of women's residence halls. She wanted to know whether anything has been done about her complaint. While they were in my office I asked Kitty Malloy to make a check

and we learned that this early closing was a result of a recommendation from the Associated Women's Student Board and in order to change it they would have to make a recommendation. I suggested that Ellen appear before one of their meetings which are held every Tuesday noon at Stephens Union. I think she will do that.

She also complained about the elimination of date rooms in the residence halls making it necessary for students to have their dates in automobiles at Grizzly Peak, which she thinks is worse. (Confidentially, Kitty told me that the Dean of Students Office has a long record of complaints from Miss Wedum; complaining appears to be a hobby of hers.)

I joined the American Swedish Historical Foundation (Philadelphia) today in response to a letter from Elmer W. Engstrom of RCA.

I called DeBurlo to invite him to visit here at the time of the Regents Meeting. He said he would be delighted to do so and will make the arrangements immediately.

At 1:30 p.m. I met with Les Laky (President) and Pete Cassinelli (Executive Secretary) of Bowles Hall. I told them that the decision made on Bowles Hall has to stand and that in light of comparison to other possible penalties, if anything we could be accused of being too soft on them. In any case, this is our decision and we stand by it. I expect them to enforce the penalties and to report to me that they have done so before the end of the semester. They asked if they could have intramural sports. I said no. They then pointed out the value of keeping up morale during times of pent-up emotions. I still said no, but would like to check with Alex Sherriffs to see what he thinks. They asked when the penalties become effective, to which I responded that they are effective immediately although no formal notification is likely to reach them before Monday. I also forbade them to put on their annual Big Game dance.

I received a phone call from Harold Walt of Kerr's office, who said that they are considering televising the symposium "Man and Civilization: Control of the Mind" (to be held in San Francisco in January) and microwaving it to the Berkeley campus, possibly to Wheeler Hall. He wanted my reaction to this suggestion; I was positive, saying that it appears to be a good pioneering use of television.

At 2:30 p.m. I attended the meeting of the Executive Committee of the Intercollegiate Athletic Advisory Council in University Hall. Present were members Franklin Murphy, Bill Young and Brad Booth from UCLA, Robley Williams, and Thomas Cunningham, and guests Pete Newell, Wilbur Johns, and John Sparrow. Adrian Kragen substituted for me at the end of the meeting (when I had to leave for the alumni leader meeting at University House).

Cunningham opened the meeting with a summary of the report of the Subcommittee on Long Range Athletic Policy, which was followed by a report from the Subcommittee on Discrimination. Newell then gave a summary of the report of the Subcommittee on Athletic Scholarships and there followed a discussion of the requirements for a Rhodes-type scholarship. Booth indicated that the faculty at UCLA are unalterably opposed to any special provisions for athletes in the award of scholarships, either as to grade average or need, the faculty there feeling very strongly that the athlete should compete on the same basis as any other student for the scholarship award.

In connection with the administration of funds for recruiting, with particular reference to the transportation of prospective student athletes to the respective campuses, both Murphy and I indicated that we do not desire to certify a booster organization to administer these funds, as is apparently authorized under the latest interpretation of Article VI, Section 2 of the NCAA By-Laws. Instead, we want to continue the existing practice of having such funds administered directly by each campus.

A disproportionate amount of time was devoted to a debate about the appropriateness of our Straw Hat Band accompanying the basketball team to UCLA. Murphy, Booth and Johns were unwilling to make any sort of compromise. (I later learned that they decided to support the recommendation of Pete Newell, which I had seconded, that Herman Weiner be reinstated as a recruiter; they will recommend to Clark Kerr that he lift the abatement.)

Helen and I hosted an informal cocktail reception at University House, which was followed by a dinner and discussion of statewide legislative issues, for alumni leaders from all of the University of California campuses. About 50 people attended.

Saturday, November 5, 1960

Today was the day of the UC-UCLA football game, a rivalry second only to ours with Stanford. The Bears were devastated by the Bruins, 28-0. Bill Kilmer alone totalled 225 yards passing and running. All in all, UCLA gained 419 yards to only 199 by the Bears.

Helen and I attended a cocktail party for UCB and UCLA people at the home of Bob Underhill (Secretary of the Regents) after the game.

Sunday, November 6, 1960

Stan Thompson, Dan Wilkes and I played golf at the Contra Costa Country Club. Our scores were, respectively, 90, 82, and 95. Evelyn Wilkes joined us for the last nine holes, for which she scored 49.

Monday, November 7, 1960

At the Rad Lab this morning I called William Freeman to ask him if he is seriously interested in bidding on the contract to publish the CHEM Study textbooks. I suggested that if he wants to bid then perhaps it would be a good idea for him to resign from the Steering Committee and then return to it after the publisher has been selected. Freeman said that his chief interest is to see that the book is well done and not to receive the contract for it. He would rather stay on the Steering Committee if that is best. However, he ended up agreeing to the suggestion that he resign so it would be all right for him to submit a bid.

When I arrived at my Chancellor's Office I took care of some correspondence. I wrote to Clark Kerr to make comments on the draft recommendation on the change from compulsory to voluntary ROTC. I also remarked as follows on the confidential report made to Kerr on October 5, 1960:

"This report shows that the proposed change from compulsory to voluntary ROTC is well supported both as concerns the Department of Defense and as concerns practice in other distinguished universities. Beginning in 1955, the Senate Committee on Educational Policy is on record as recommending the change. There is no doubt that the Committee's recommendation embodies the judgment of an overwhelming majority of the Berkeley faculty--the judgment that the University will make a better contribution to the education of young men and the training of officers by changing from compulsory to voluntary participation in revised ROTC program."

At 3 p.m. I met with Mr. Johnston of the Alfred Politz Research Organization. He asked me a number of questions (including multiple choice types) concerning the future of our economy and concerning U.S. Steel's advertising program involving Lowell Thomas entitled "Watching America Grow". He wanted my reaction to the value of this advertising campaign. I told him, in answer to a summary question about the overall value, that I think it doesn't do much good, that it would be better for U.S. Steel to put their money into something more tangible, like scholarships or aid to education.

I then met with Tore Dalenius, with whom I spoke in Swedish. He thinks our Statistics Department, which he is visiting until January, is the best in the world. He brought with him a copy of my book, Elements of the Universe, which I inscribed to his 14-year-old son, Eskil.

I was interested to read a copy of a letter to Alex Sherriffs from Regent Philip L. Boyd:

"For your files I have returned J. Edgar Hoover's report 'Communist Target- Youth'. It certainly gives a complete and interesting description of the student riots in San Francisco which were photographed so completely in the film.

It is my impression that the hearings before the House Un-American Activities Committee in San Francisco were really conducted in such a manner that they could be photographed to reveal to the nation the character of these organized demonstrations. There could be no other explanation of the delayed attempt to control the witnesses.

As I have discovered that this film is being shown a number of places, I had become concerned over the injury to the reputation of University of California students. To my surprise, however, I find that there is less inclination to be critical than I anticipated.

It is certainly difficult to discover a reasonable control over these radical students. The agitation which seems to be professionally sponsored on all campuses is a continuing irritant which seems to be misunderstood by those who feel that the University is lax in its proper influence. I admit that I have no answer but feel that we must be alert to the possibilities."

Beginning at 4:15 p.m. Ed Strong, Errol Mauchlan and I met with Bill Prosser to talk about the desperate space problems at Boalt Hall and the possibility of limiting enrollments in the Law School as a temporary solution until an additional building can be constructed.

Tuesday, November 8, 1960

Today is election day. I cast my vote on my way to work.

I wrote a letter to Clark Kerr, as follows:

"With the advent of election day, I believe it is pertinent to give you a report on what I believe was a very exciting election year experience resulting from your liberalization of the rules for on-campus speakers. We have had on the Berkeley campus six major political figures who delivered speeches and answered questions from students. They were: Ambassador Lodge, Senators Kefauver and Javits, Governors Ribicoff, Rockefeller and Stevenson. All of the speakers appeared before standing-room-only audiences and all of them received tremendous ovations. The questions put to the speakers by the students, in the main, were excellent and indicated that they are extremely appreciative of the opportunity which has been given them and that they believe it has been a very worthwhile educational experience. In addition to the major speakers, we have had a score of less known political speakers, some appearing on behalf of major candidates, and some being local candidates for office. All of the appearances were arranged by the student government although my office acted as a coordinator, and I personally greeted all of the major political speakers.

I agree with the students' reaction that this is a program which should be carried on and implemented and I am certain that our experience this year has proven the wisdom of the change which you inaugurated."

I read a very interesting report on progress made on the Space Sciences Laboratory by Sam Silver. They are badly in need of funds for general support and of office and laboratory space. I am going to try to find assistance for them in both areas.

I presided over the noon meeting of my Cabinet. I spoke of some of the programs at the University, such as the elementary science teaching program and the high school CHEM Study program and raised the question of whether we should take the leadership in the development of a science course for non-scientists. This project might be supported by NSF. It could run two to four semesters, cover chemistry, biology and physics and be along the lines of the social sciences integrated course. Compton's "Impact of Science on Man" was mentioned and the suggestion made that we might do more as leaders in that area also.

Ed Strong reported on a document mailed to members of the AAU from a special committee to study the growing pressures in graduate work entitled "Possible Need for List of Institutes Offering Graduate Work of Adequate Quality". He mentioned some surprising statistics, i.e. of the total graduate credit-degree enrollment in 1957-58, the AAU institutes accounted for only 37.92%; percentage of new full-time college and university teachers holding Ph.D.'s has dropped in recent years from 40.5% in 1953-54 to 23.8% in 1958-59.

The status of the Institute of Humanities was discussed and it was agreed that I should discuss this with Kerr again, that the committee should be revised and that if donors come forward, we should steer them towards the Institute rather than the Art Center.

At 2:15 p.m. I met with Raphael S. Levens to tell him that I have no alternative but to sign his dismissal notice. He seemed to understand this, having read the pertinent section in the manual of the Academic Senate. However, he kept saying that, since he thinks the rule is wrong, the University administration should be able to find a loophole. He said that he wants to refer his case to President Kerr and if that fails, to the Regents. He asked whether I would withhold dismissal until he has referred it to Kerr; I said I would, providing he does so right away. I told him that I think it is very unlikely that Kerr will rescind the dismissal. He mentioned in the course of his conversation that his father knows Governor Brown quite well and that, if worse comes to worst, he would take it to that level. Professor Alexander Levens in Engineering Design is his uncle; I suggested he talk with his uncle as soon as possible. I asked him if he would attend ROTC for the remainder of the semester under the hypothetical possibility that the dismissal could be rescinded if he did so. He said that it is a matter of principle with him and that he would not attend under any circumstances. He said that he might enroll at Riverside next semester (where they don't have ROTC) but I pointed out to him that they are trying to get ROTC there. He said that he doesn't think they will get it by the time his eligibility for ROTC has passed. I told him that it is doubtful that he will be admitted to Riverside if he is dismissed from the Berkeley campus.

At 3 p.m. I met with the Academic Senate Committee on Athletic Policy (Eric Bellquist, Robert C. Tryon, Adrian Kragen, Carl Nordly and Robley Williams) in Bellquist's office in the Library. We discussed the general philosophy of the Committee, what sort of reports will be required of them, etc.

In the evening at University House I hosted a meeting with principals participating in our trial of the CHEM Study Program. I stressed the rewards for the extra laboratory time put in.

Helen had a busy day today: she took Pete and Lynne for their appointments with Dr. Redmond (our orthodontist), and attended a board meeting at the YWCA and an informal tea in the Chemistry Department.

The presidential race is a very close one. When I went to bed it looked like Kennedy was leading.

Wednesday, November 9, 1960- Houston

Nixon conceded the election early this morning. John Fitzgerald Kennedy is our new president.

I took care of a number of routine matters in my Chancellor's Office this morning before riding with a University driver to the San Francisco Airport, where I boarded American Airlines Flight #954 shortly after noon and finally arrived in Houston at 10:15 p.m., after stops in Phoenix, El Paso and San Antonio. I went directly to the Rice Hotel, where I will stay during the Welch Foundation Scientific Advisory Board meetings.

Thursday, November 10, 1960- Houston

After breakfast in the Rice Hotel I walked to the Bank of the Southwest Building, where I went to the 20th floor to attend in the conference room the 13th meeting of the Scientific Advisory Board of the Welch Foundation. Present were Peter Debye, Roger Adams, Henry Eyring, Glen King and I. W. O. Milligan (Director of Research) was also present.

We discussed the progress reports from the grantees, invitations for renewals, new proposals, and the consideration of new invitations to prospective grantees.

The members of the Scientific Advisory Board had lunch with the Trustees (Bullard, Malone, Andrews and Doherty) at the Houston Club.

This was followed by a joint meeting of the SAB and the Trustees on the 20th floor of the Bank of the Southwest Building, where we began our report to the Trustees describing the results of deliberations and our recommendations in some detail.

The group then adjourned for dinner at the Coronado Club, after which we reconvened again for a short meeting to consider the report and recommendations of the Scientific Advisory Board.

I again spent the night at the Rice Hotel.

Friday, November 11, 1960- Houston

In the morning the members of the Scientific Advisory Board continued their joint meeting with the Trustees. We discussed the lectureship program, future conferences, visiting scholarship program, our proposal that the foundation create research institutes in which to carry on their research, and so forth.

After lunch at the Petroleum Club I went to the airport to board a plane for Washington, D.C. I departed Houston on Eastern Airlines Flight #502, which arrived in Washington at about 9 p.m. Since I had eaten dinner on the plane, I went straight to the Statler-Hilton and checked into my room.

Saturday, November 12, 1960- Washington, D.C.

I met Jane Armstrong for breakfast at the Statler Hilton in order to talk with her about the educational aspects of the Century 21 Exposition in Seattle.

Ed Strong and I attended an HEW meeting on NDEA.

Sunday, November 13, 1960- Washington, D.C.

I attended the 74th Annual Convention of Land Grant Colleges and State Universities at the Statler Hilton Hotel. Delegates from the University of California were: George B. Alcorn (Director of Agricultural Extension, Statewide), Daniel G. Aldrich, Jr. (University Dean of Agriculture, Statewide), Gustave O. Arlt (Dean of the Graduate Division, Southern Section), Alfred M. Boyce (Director of the Citrus Experiment Station, Riverside), Fred N. Briggs (Dean of the College of Agriculture, Davis), C. Martin Duke

(Associate Dean of the College of Engineering, Los Angeles), Helen L. Edwards (Home Economist, Agricultural Extension, Statewide), Donald E. Jasper (Dean of the School of Veterinary Science, Davis), President Clark Kerr, E. Gorton Linsley (Dean of the College of Agriculture, Berkeley), Elmo P. Morgan (Vice-President-Business Affairs, Statewide), Robert A. Nisbet (Vice Chancellor-Academic Affairs and Dean of the College of Letters and Science, Riverside), Pauline C. Paul (Chairman of the Department of Home Economics, Davis), Paul F. Sharp (Director of the Agricultural Experiment Station, Systemwide), Paul H. Sheats (Dean of University Extension, Statewide), Morris A. Stewart (Dean of the Graduate Division, Northern Section), Vice President Harry Wellman and John R. Whinnery (Dean of the College of Engineering, Berkeley).

I spent some time reviewing correspondence and documents which were sent to me from my Chancellor's Office. Adrian Kragen sent an interesting note on the developments in plans for use of the Berkeley waterfront. The University is walking a delicate line here, maintaining our interest in additional space but being careful to leave this to City initiative.

Kitty Malloy wrote me a list of the names which Harvey White and Don McLaughlin have offered for the Lawrence Hall of Science:

Ernest Orlando Lawrence Hall of Science and Education
Ernest Orlando Lawrence Institute of Science and Education
Ernest Orlando Lawrence Educational Institute of Science
Ernest Orlando Lawrence Hall of Science and Discovery
Ernest Orlando Lawrence Hall of Discovery

I sent it back with a note that I still prefer "Lawrence Hall of Science"; my second choice would be "Ernest Orlando Lawrence Hall of Science and Education".

There was a copy of a very interesting letter from San Francisco Congressman John Shelley to "Berkeley Professors Opposed to the Un-American Activities Committee" which was directed to my Chancellor's Office for lack of a better address. He explains his position on this issue as follows:

"In this grave matter, let me first state my major premise, which is that anybody who thinks Congress is going to eliminate completely some form of investigative committee into un-American activities, factual or fictional, is just not thinking the problem through. Congress and its committees do have a right and a duty to investigate matters of concern to the nation.

However, while I believe this, I also recognize that your opposition to the present House Committee on Un-American Activities as a permanent, standing committee, is in many ways justified. This committee has not gone into all phases of un-American activities. For example, it has not touched upon the racial problems in the South and in other parts of the nation. It has not taken up the cases of religious bigotry that have arisen in the current presidential election.

Moreover, the committee has been used by some of its chairmen in the past as platforms for personal aggrandisement. Efforts to write stricter rules for committee procedures have been unsuccessful. While rules of evidence do not apply in any legislative committee hearings, Federal or State, as they would in courts of law, nonetheless, there are standards of decency and fairness which should always apply. It is my own feeling that there

are innumerable instances where there have been misuses of unevaluated files, and a notable [sic] tendency on the part of staff members of this committee to push witnesses around.

Therefore, it is my belief that the committee, as it now exists, should be eliminated. It should be put back under the House Judiciary Committee, from whence it originated a number of years ago, as a subcommittee. In this, I think I agree fundamentally with many members of Congress.

I believe that once more the Judiciary Committee should set up a subcommittee on un-American activities- all un-American activities- subject to the control of the full committee. This would make the committee responsible and responsive to a full and well-balanced Committee of the House.

I do not want to get into a discussion as to just who was responsible for the May incident at City Hall. But I do want to say that, regardless of who was ultimately to blame, the so-called 'riots' probably prolonged the life of the House Committee on Un-American Activities, as it now exists. I think that while the students involved have a right to express themselves, I must conclude, considering what I have heard from responsible persons, that certain known Communists in the Bay Area contributed to the inciting of the demonstrations. In any case, many Members of Congress, who have been fighting to put the committee back under the authority of the Judiciary Committee, unhappily conclude that reaction to the May demonstrations did serious harm to our efforts in this respect. This conclusion is based, not on fiction or fancy, but on spoken expressions of many Members of Congress, after the San Francisco incident. It may or may not be justified; however, I am relating a fact."

Monday, November 14, 1960- Washington, D.C.

I attended the PSAC meeting in Room 220 of the Executive Office Building today. In Executive Session George Kistiakowsky told us about the October 25th letter he received from President Eisenhower informing him that the Secretary of State has established the United States Disarmament Administration to strengthen leadership and coordination of manifold activities of the United States government in the field of safeguarded disarmament and arms control. Isidor Rabi and Kistiakowsky argued about the correct interpretation of a remark made to Rabi by Vasily Emelyanov of the Soviet Union on the use of nuclear weapons.

We spent most of the afternoon in Executive Session working on our Fiscal Year 1962 military budget paper, for which Herb York and John H. Rubel (Department of Defense) attended and were very helpful.

Late in the afternoon Kisty and I met to make some minor editorial corrections on my panel report on Basic Research and Graduate Education.

In the evening I attended a dinner for the Land Grant College group at the Statler Hilton.

Tuesday, November 15, 1960- Washington, D.C. and Home

The PSAC meeting continued today with discussions of the NIKE/ZEUS Report, the man in space program, led by Don Hornig; the Armand Report to NATO; and the value of fallout shelters. Keith Glennan and Hugh Dryden of NASA presented their Man-in-Space Report. This raised the question: Is the proposed 15-year program of landing a man on the moon and returning him to earth worth the \$30 billion it will cost? It was pointed out that an unmanned program costing only \$5 billion could produce substantially all the information that one is going to get. Charles Townes argued that even with an unmanned program the information so obtained would lead us to want to go on to the man-in-space program. The role of the nuclear rocket (ROVER) project was also discussed. Dryden suggested that it isn't necessary for PSAC to formally adopt the Man-in-Space Report. It can be distributed to all PSAC members to ask for their comments, followed by the development of a policy issue paper to be presented to the National Security Council (NSC).

I had to leave the meeting before it was adjourned to catch my 3 p.m. TWA Flight #61 from Baltimore to San Francisco. I arrived at about 7 p.m. and was driven home to Lafayette by a University driver. Helen told me that she attended a tea for the wives of foreign students at Vivian (Mrs. Mason) Haire's home on LeRoy Avenue in Berkeley.

Wednesday, November 16, 1960

Among the papers I read in my Chancellor's Office this morning was the minutes of the Cabinet meeting I missed yesterday. The discussion of the agenda for the CCCO meeting this afternoon provided me with much useful information. Members of the Cabinet were adamantly opposed to the proposal of a tri-semester system; the minutes of the meeting list a large number of reasons for this opposition.

Sherriffs reported that Ernest Besig (ACLU) had telephoned about the John Robert Johnston immigration case. Johnston, a Scotsman working here on his Ph.D. in Medical Physics, is being removed from the country by Immigration today for his participation in the HUAAC riots. We expect this to hit the papers soon.

Sherriffs also asked the Cabinet to review a draft of a letter to the Board of Control of Student Publications at the University of Michigan protesting the way that he was misquoted in the Thomas Hayden article; the Cabinet suggested that he present the history of this in far greater detail.

The Committee on Discrimination has asked that the Registrar's cards in the lobby be modified and Registrar Gilliam says this will cost a lot of money. Sherriffs will ask if Gilliam will agree to a slight modification suggested by the Cabinet if the Committee on Discrimination also agrees.

I signed a memo to Gordon Mackinney (Chairman of the Educational Policy Committee) asking his committee to review the proposal for the establishment of a Center for the Study of Law and Society within the framework of the Institute of Social Sciences and noting that it has already been reviewed by the Berkeley Budget Committee and the Committee on Buildings and Campus Development.

I also sent the corrected tear sheets for my two articles "Transuranium Elements" and "Actinide Elements" to the editor of the McGraw-Hill Encyclopedia of Science and Technology, with the following note:

"One point I should like to mention is in connection with the element 102 section in the article 'Transuranium Elements.' The name 'nobelium' was given to this element on the basis of some work in 1957 by an international group of scientists at the Nobel Institute in Stockholm which resulted in a report of the discovery of element 102. It has not been possible to confirm this work, and in 1958 an isotope of element 102 was discovered at the University of California in Berkeley as is indicated in the article. It appears that the name 'nobelium' will have to be changed, and I should like to suggest that it not be used in the article."

To Secretary of State Christian A. Herter I wrote regretting that I will be unable to participate in the conference at MIT next month on "Science in International Education and Cultural Affairs" and asking him to send me a copy of any report which might result from the conference, as I am deeply interested in the subject.

I was pleased to read that Clark Kerr has approved the reinstatement of Herm Weiner as a recruiter.

Kerr also sent Chief Campus Officers copies of the following amendment to University Regulation No. 4 (effective July 1, 1961):

"No member of the faculty on full-time appointment shall receive additional compensation from University sources for services directly related to his recognized duties during the academic year, that is, from the beginning of the Fall Semester, as established in the University calendar, through Commencement Day (or, otherwise than during his one-month vacation period on an 11-month appointee); nor shall he be paid for additional employment during the period between Commencement Day and the beginning of the Fall Semester (the one-month vacation period in the case of an 11-month appointee) at a higher rate than his regular annual salary (one-ninth and one-eleventh of annual salary per month in the cases of 9 and 11-month appointees respectively); and no contract between the University and an organization or individual shall include provision for a higher rate."

C. Russell DeBurlo, Jr. arrived this afternoon to spend a couple of days on the campus and meet with the Regents, who will consider his appointment as Business Officer for the Berkeley campus.

At 1:15 p.m. Donald Glaser came to see me. He is interested in taking the equivalent of a sabbatical next semester. He hasn't earned this here yet, but said that he had more than earned it at Michigan. If he did this, he might spend next summer at CERN and another semester or two at MIT. He said he would definitely come back here. He wants to go into molecular biology. He would like to work with Ole Moloe in Copenhagen, where his friend Cyrus Leventhal (MIT) will also be visiting. Both Bohrs (Niels and Aage) are in biology now and the great Dick Feynman (Cal Tech) is interested. I suggested that he first try for a NSF fellowship. We would then try for a Miller Institute fellowship (although I don't think that will work because they are supposed to stay here), then we might find some Regents money or try to do it through the Radiation Laboratory's funds.

Immediately after Glaser left I telephoned Harry Kelly (Associate Director of NSF) to tell him the story about Glaser. He was very encouraging and said that if he couldn't get an NSF fellowship, he might get a research grant. He said he will let me know by Monday and that he will consider my telephone call as an application.

I then met in my office with Mayor Kathie Zahn of Albany. She wanted to know where the Buchanan Street matter stands. (She said she understood I was still trying to make up my mind.) I tried to make it clear to her that much more was involved and that, believe it or not, we are working very hard on it. I told her I would try to get the decision at the December meeting of the Regents. I deliberately did not make it clear to her that the matter has gone from our office so that she would not try to see other people. However, she said that she wants to see President Kerr and I told her that he has been ill, which she didn't seem to know. I hope I was successful in steering her away from Clark.

Mrs. Zahn also complained about the treatment she has received over having a street in Gill Tract named after her; she wants to know when the University will decide this. I was sympathetically vague and didn't give her any direct answer.

She mentioned that a large number of the students in the Married Student Housing in Gill Tract signed the petition to recall her. She is very unhappy about this "after all I have done for them." She showed me her latest letter from President Kerr acknowledging her contributions. She is obviously very proud of this letter.

At 2:30 p.m. I met with Dick Jennings, Al Wagner and Milt Chernin to talk about the Berkeley waterfront project. We decided that we would really ascertain whether the Berkeley campus wants to get into this project by 1) going back for reaffirmation to the Buildings and Campus Development Committee and 2) consulting with the Campus Planning Committee and then if both reaffirm, we will go to Kerr and the Regents at their December meeting to get a definition of the University's position.

In the meantime the situation has changed to the extent that the letter from John A. Gray (President of the City of Berkeley Planning Commission) needs an answer. I said that we should answer that we cannot commit ourselves because this is a matter for a regential policy decision and I also said that I don't feel that there is a great deal of difference of opinion and I would like Jennings to draft a reply and Kragen to draft a reply in order to sharpen up what differences of opinion there are.

Incidentally, during the course of the conversation I mentioned the impossibility of staying at the enrollment ceiling of 27,500 and my theory that in expansion we should reproduce the Berkeley campus in the neighborhood or in Berkeley in order to maintain our eminence rather than starting from scratch in Santa Cruz or Orange County, where it would be third rate. As a result of these two factors, I still think we may wind up reproducing the nation's Number One campus and that in the back of our minds (but certainly not for publication) we might have the waterfront property in mind for this.

At 3 p.m. I met with Bob Brode, Jim Corley, Bob Kerley and Roger Revelle to talk about the sabbatical leave policy and the NSF practice of paying salaries.

The meeting of the Council of Chief Campus Officers began at 4:30 p.m. at University House. Present were: Samuel Gould, Clark Kerr, Emil Mrak, John Oswald (secretary), John Saunders, Foster Sherwood, Herman Spieth, Roger Revelle, Harry Wellman and I and, at the end, Franklin Murphy. As usual, we covered a very long list of items. I will not summarize all of them here and will use excerpts from the minutes of the meeting to summarize those of particular interest to us.

"Proposed Federal Legislation Regarding the Use of Animals in Research: Saunders referred to U.S. Senate Bill #3570 concerning the use of experimental animals in research which was introduced, but not acted upon, at the last session of Congress. It is now evident that this bill will be reintroduced by Senator Cooper of Kentucky at the next session. Saunders emphasized that the proposed bill represents a great deterrent to all types of biological research in which experimental animals are used. He said a similar law is currently in effect in Great Britain, and, under it, researchers must wait as long as a year for a license to use animals in specific research programs. Saunders said further that the National Institutes of Health strongly oppose the bill as do many medical groups. He suggested that the University might also wish to take a stand against it. After brief discussion it was agreed that Saunders would prepare a statement concerning the impact such a bill would have on the University research program for possible presentation to The Regents' Committee on Research Projects."

"Report on the Discussion with State Officials on University Problems: Kerr reported that several Regents met informally with Governor Brown and Director of Finance John Carr and some of their staff to discuss several problems currently affecting the University, and in particular the prospects for financing University operations in the next ten years. Kerr said there was brief discussion concerning the Irvine gift of land, the choice between Santa Cruz and Almaden for the new campus of the University, and the possibility of a new bond issue in 1962 for the support of capital outlay for higher education."

Kerr said there was specific mention of the following problems: the cost of the medical school at Los Angeles and consideration of establishing a medical school at San Diego; the cost of residence halls and consideration of the possibility of getting private interests to build future ones; the operating budget; the cost of libraries and land acquisition. Three of these items are worth further attention. Once again, I quote from the minutes:

"Operating Budget: Kerr said that the University Budget request for 1961-1962 was some \$15,000,000 over that approved for 1960-61. The first target figure set by the Department of Finance would allow only a \$5,000,000 increase; but with enrollment increases beyond the projections, the figure was moved up to \$7,000,000. This still left, however, an \$8,000,000 differential between the University request and the state's target figure. Kerr said that in discussing this with the Governor he had made three points: a) the target figure of the state, while adequately caring for the immediate increases in enrollment, did not reflect some of the long-range problems related to teaching, e.g. the necessity to build libraries; the necessity for smaller campuses to move into graduate teaching as they become general campuses, etc; b) the target figure did not recognize the University's responsibility for research and public

service as set forth in the Master Plan; and c) the target figure did not include some needs that were acute not only to the University but to most other agencies, e.g., funds for normal merit increases and promotions; health and welfare benefits, etc."

"Cost of Libraries: Kerr said that the University libraries, particularly at Berkeley and U.C.L.A., were under criticism because of high operating costs. He said that the cost per faculty member is very high, and the portion of the budget utilized for book purchase is too low. He said we must work toward reducing the operating cost per faculty member and increasing the per cent of funds for book purchases. The campuses should maintain a book purchase level of about 25% of the library budgets and for rapidly expanding libraries this rate should be even higher. In the discussion Seaborg pointed out one of the reasons for the high cost at Berkeley is the operation of the many branch libraries. Saunders agreed that this represented a great expense and said further that the existence of the many departmental libraries greatly increases the operating cost of the main library. All book purchasing and accessioning for departmental libraries are made by the main library. This represents a heavy burden on the campus libraries since, Saunders estimated, as many books are ordered for the individual departments as are for the main library. Kerr suggested that each Chief Campus Officer investigate the amount of departmental book purchasing.

Revelle expressed concern over the idea that there would be large libraries in the north (Berkeley) and the south (Los Angeles) with smaller libraries on the other campuses. Kerr indicated that it would be impossible to build great research libraries on each of the campuses and that Berkeley and Los Angeles must fulfill this role for the entire University. He felt that a library of one-half million volumes at each of the smaller campuses would be a reasonable target figure by 1970. In the discussion he emphasized the accessibility of books rather than ownership of books was the important thing. There followed a brief discussion of ways and means to achieve better and more rapid exchange of materials between the University libraries such as a) faculty members of one campus being members of each of the other campus libraries; b) the need for some type of a Union Catalogue; c) more emphasis on technical advances in exchange--microfilm, microfilm relays, etc. Kerr said that the Library Council of the University is working on a long range program which will emphasize the need for accessibility of all library materials of the University to all campuses. He further indicated that Dean McHenry was working with the Library Council on this matter, and the report of the Council would be considered by the Council of Chief Campus Officers when completed."

"Land acquisition: Kerr indicated that he had discussed with the state officials some of the most important and pressing land needs of the University: a) land for agriculture--Riverside, b) Chaparral Hill area--Berkeley, c) additional agriculture land--Davis, d) Residence hall land--Berkeley, e) land for married student housing and campus expansion--Santa Barbara. Kerr pointed out that some of these were already in the 1961-1962 capital outlay request and that the remainder would be put into the request at the November meeting of The Regents. Kerr said he had been hopeful that additional funds might be made available for this land. He said, however, indications were that the state Department of Finance would finance the land acquisition only if it

came within the \$48,000,000 target figure. Wellman felt that chances were not good of obtaining more than the target figure, but there was evidence that the state was looking favorably on the priorities we had established."

"Academic Plans: Kerr indicated that just prior to the Council meeting he had discussed the matter of academic plans with the Senate Committee on Educational Policy. He recalled that a preliminary draft of a statewide academic plan had been presented to a joint meeting of the Regents' and Senate Committees on Educational Policy at Lake Arrowhead in June of 1959. He said this plan now must be updated, particularly in view of the Master Plan for Higher Education. It should also contain A) a section on the year-round use of University facilities; B) a series of plans for specialized areas for which the University has responsibility, e.g. medicine, law and engineering; C) a long range plan for the library system of the University and how each campus plans to achieve its own particular identity. Kerr said that on certain matters the campus plans must be uniform. For example, all campus plans must use the same student-faculty ratio, of 16-1 and the same student-staff ratio of 12-1. He indicated that a better system for weighting faculty workload was needed and this probably should be uniform for each of the campuses. We now differentiate between lower division, upper division and graduate students in weighing student load, but a further differentiation is needed between the masters and doctoral level students. This is particularly important for workload comparisons will be made with the state colleges where all graduate students are at the masters level. Mrak asked about the plan for weighting graduate students submitted by Seaborg some time back. Kerr said he would ask Dean McHenry to bring together the background material on the whole matter of student-faculty ratios, student workload credit, and weighting of workload for discussion at the December CCCO meeting. In conclusion, Kerr said he hopes to have ready to present to The Regents in June of 1961 a statewide academic plan, including as appendices, concise statements of the plans for each of the seven campuses and statewide plans for each of the special areas such as library, medicine, engineering, etc."

"Recruitment of Faculty from Institutions Outside of the State of California: Kerr cited a case where an Assistant Professor from another institution was offered a full Professorship both at Berkeley and Los Angeles at a premium of \$5,000. Kerr said the other institution met the offer but was disturbed by the University's actions in this instance. Also of concern in this case was the fact that the man had been brought to the University first as a visiting professor, at a high salary differential. Seaborg and Sherwood each emphasized that this was an exceptional case and that both the Los Angeles and Berkeley Budget Committees had strongly approved of the proposed action. After brief discussion, Kerr asked that the Chief Campus Officers be very cautious in recruiting from another institution at such a high differential in salary."

The above agenda item refers to the case of Alonzo Church of Princeton, which has caused the University of California considerable embarrassment. We must take particular care to avoid using visiting professorships to raise salaries this way. (We have had the practice of compensating visitors for travel, etc. by adding such compensation to their salaries, which creates problems when we wish to offer them a permanent position.)

"Sale of Alcoholic Beverages Within the One Mile Limit: Under the revised law bona fide restaurants within the one-mile limit may apply for licenses to sell alcoholic beverages. The Alcoholic Beverage Council Agency administratively intends to maintain the liquor ban within the one-mile limit of the campuses except for restaurants located sufficiently distant from a campus that they may not be patronized by students. Since hearings will probably be held on such applications, Kerr asked for comments as to what the campus position should be. After brief discussion it was agreed that this should be left to each of the campuses, for campus officials might wish to take different positions on different applications. The Secretary of the Council was asked to send copies of the law to each of the members."

The meeting adjourned at 9:15 p.m.

Helen had a teacher conference with Steve's teacher, Mrs. Roe, after school today.

Thursday, November 17, 1960

Today is the first day of the Regents Meeting here. I will attend various Regents committee meetings throughout the course of the day.

Before heading over to University Hall to do so, I signed letters of appointment to a Special Committee on the Institute for the Humanities: Hunter Dupree (Chairman), W. R. Dennes, Donald Coney, David Boyden and Charles W. Jones.

I presided over a dinner meeting at University House of the E. O. Lawrence Memorial Committee. Two new members were welcomed to the committee: Stephen D. Bechtel and Norris Nash. We agreed to proceed on the basis of the \$6 million available from Regents' funds and to expand our plans if we receive additional funding from the National Science Foundation, the Atomic Energy Commission or other donors. The committee also approved plans for proceeding with an architectural competition and compiled a list of five architectural firms as desirable competitors: Gardner Dailey (San Francisco), William Peireira (Los Angeles), Eero Saarinen (Detroit), John Warnecke (San Francisco) and Skidmore, Owings and Merrill (San Francisco). Three nationally known architects--Pietro Belluschi (Dean, MIT), Richard M. Bennett of Chicago, and Clarence Mayhew--were selected as desirable judges to form, with Regents Donald McLaughlin and Edwin Pauley, the competition jury of five members.

Friday, November 18, 1960

I had some time to take care of a few bits of correspondence, etc. before the Regents Meeting began.

I wrote to Clark Kerr to inform him that the Alumni Association has requested permission to solicit funds for a total of less than \$100,000 from alumni employed by organizations having a matching gift program and that I propose to approve this. I also noted that they have requested permission to be the official authority of the University in relation to this solicitation and that I have refused to grant that authority, designating Adrian Kragen to sign these documents.

Among the matters considered by the Regents' Committee on Finance, which met beginning at 10 a.m., of special interest to the Berkeley campus were extension of the lease by the First Unitarian Church of Berkeley, acquisition of the Chaparral Hill property and purchase of the Ford Assembly Plant in Richmond.

I attended a luncheon for Regents, Chief Campus Officers and a few special guests at Cowell Hospital prior to the official dedication ceremonies that began at 1:15 p.m., over which I presided. The new wing which we are formally dedicating today is a five-story addition which more than doubles the capacity of Cowell. Speakers at the ceremony included President Clark Kerr, Max Thelen (President of the S. H. Cowell Foundation which provided a \$1.5 million grant for the new wing), Warren L. Bostick, M.D. (President-Elect of the California Medical Association and Professor of Pathology at the U.C. Medical School) and Henry B. Bruyn, M.D. (Director of the Student Health Service).

The Regents Meeting began at 2 p.m. Among the recommendations approved by the Regents were: a) funds for faculty summer fellowships were increased from \$14,405 to \$30,005; Berkeley was allocated \$9,600 which will mean that 12 fellowships will be available on our campus next summer; b) campus Gifts and Endowments offices were established and Berkeley was allocated \$21,500 for this purpose; c) \$55,000 was advanced from the University Fund to the Lawrence Hall of Science to cover costs of an architectural competition to determine the executive architect for the Lawrence Hall of Science; d) contracts were awarded for the construction of both the married student housing in Albany and the Animal Bioradiological Laboratory (No. 74) at the Lawrence Radiation Laboratory; e) the Bio-Organic Laboratory (Photosynthesis Laboratory) is to be constructed south of Cowell Hospital and west of Piedmont Avenue, with Michael Goodman appointed Executive Architect; f) a new policy was established on temporary buildings that stipulates that none be removed or rehabilitated without the express approval of the Regents' Committee on Grounds and Buildings; and g) restrictions on the Poirier Fund (assignment "to aid the financing of self-liquidating enterprises such as dormitories and faculty clubs") were removed.

The recommendations of the Finance Committee previously noted were also approved and notice was given, as expected, that the matter of the change from compulsory to voluntary ROTC will be voted on at the next meeting of the Regents in December.

During the evening Helen and I, with Clark and Kay Kerr, made the rounds of the various class reunions which are held in hotels in San Francisco every year prior to the Big Game with Stanford.

Saturday, November 19, 1960

Prior to the Big Game, Helen and I attended a luncheon hosted by Clark and Kay Kerr at University House. (Attached is a list of those who accepted our invitation; in many cases they were accompanied by their spouse.)

Cal defeated Stanford, 21-10, in Memorial Stadium. This is the first home win since the Bears defeated the Indians, 16-15, in 1958. Bear QB Randy Gold made a spectacular play in the fourth quarter with the Bears leading 14-10. He faked a hand-off pass and then rolled around right end, threatening to pass.

LUNCH BEFORE BIG GAME
UNIVERSITY HOUSE

U.C. Staff

Thomas Cunningham
Adrian Kragen
Elmo Morgan
Glenn Seaborg
Alex Sherriffs
Edward Strong
Robert M. Underhill
Harry Wellman

U.C. Regents

Philip Boyd
James Archer
Gerald Hagar
Donald McLaughlin
Howard Naffziger
Jesse Steinhart

Stanford Board of Trustees

Frederick Terman
Allan B. Charles
W. Parmer Fuller III
Richard E. Guggenime
Edmund W. Littlefield
Thomas P. Pike
Herman Phleger
Hon. Homer R. Spence

Community

Judge Stanley Barnes
Jerry Brown Jr. (student)
Mortimer Fleishhacker
Walter Haas
Walter Haas, Jr.
Peter Haas
Mayor Claude B. Hutchison
Erik Lundberg
O. Cort Majors
N. Loyall McLaren
Don Mulford
Norris Nash

Kerrs

Keeping the ball, he ran 18 yards to set up a touchdown, which he scored himself on the next play.

Sunday, November 20, 1960

Today was primarily a day of rest. However, I did spend some time in my study reading papers from my Chancellor's Office. A press release on my PSAC Panel report noted the following comments from President Eisenhower:

"This report is part of a continuing study by my Science Advisory Committee of ways in which the Federal Government can best assure the strength and progress of American science, one of our essential resources for national security and welfare. I hope it will be favorably received and widely studied by everyone in our national community concerned with the advancement of scientific knowledge through basic research and with the education of young scientists.

I call particular attention to the conclusion of the Science Advisory Committee that the process of basic scientific research and the process of graduate education in universities must be viewed as an integrated task if the nation is to produce the research results and the new scientists that will maintain the leadership of American science. In this great endeavor, the partnership between the Federal Government and the nation's universities will assume growing importance in the future."

Today's column (attached) by Herb Caen in the San Francisco Chronicle points out some of the inaccuracies of the film "Operation Abolition" and ends with the statement:

"To sum up, what I object to most heartily is the attempt of the Committee [HUAAC] to smear the students present as 'Communist stooges'. There is no more effective way of enforcing conformity and instilling fear, as the late Joe McCarthy was quick to find out. And few things could do more damage to what my letter-writing friends like to call 'the American way of life'--which, to answer their rhetorical questions, I do indeed believe in."

The November 1960 issue of the campus humor magazine The Pelican gives a biased report on the Daily Californian-ASUC Executive Committee tangle, with the following reference to me:

"FIAT LUX. Officials at the University of California followed a hands-off policy... Remarked tall, quiet,, frowning, soft-spoken, Nobel Prize-winning, middle-of-the-road Chancellor Glenn Seaborg: 'The University will keep hands off, President Kerr will keep hands off, my cocker spaniel will keep hands off, this is a recording, this is a recording.'"

I was pleased to see final copy of Volume I, Number 1 of the new "Chemical Education Material Study Newsletter" with the lead article by me.



I AM IN RECEIPT of a good (or bad) stack of mail, most of it insulting and patriotic in the worst way, from some of my fellow Americans who demand to know why I object to the House Un-American Activities Committee film on the City Hall riots, a document titled "Operation Abolition." The film, incidentally, sells for \$100 a print (although its contents were seized, free, from TV cameramen), and is being shown at a great rate these days by corporations, clubs, schools and the military as incontrovertible evidence of "classic Communist tactics."

Well, for one thing, I object to a Government agency coming out so four-square for truth—and then distorting it. For example, this quote from the narration: "Among the Communist leaders who had an active part in the San Francisco Abolitionists' campaign and the protest demonstrations were (sic) Harry Bridges, who (sic) you see here being escorted out of the City Hall by police officials moments before the rioting broke out."

Now, the Committee knows perfectly well that at the time the rioting broke out Bridges was eating lunch at Oreste's; by the time he got to City Hall the only action taking place was provided by a janitorial crew mopping up the water sprayed on the demonstrators—who were already dispersed or on their way to jail. Of course, in this connection it should be noted that William Wheeler, the Committee's chief Coast investigator, has stipulated (not as part of the movie) that the film contains distortions.

It is indeed a curious document. Although the Committee's technicians do their utmost to make the proceedings look portentous, there are no examples of violent action among the students—who were guilty of some. There are, however, many shots of the police (in their unfortunate Storm Trooperish helmets) dragging unresisting students down the steps in a manner that can only be described, with great charity, as rough. And Chairman Francis E. Walter, pointing out the "trained, hard-core Communists" in the crowd, says, "You will see Archie Brown, second in command of the Communist Party in California." That is true. You will see Archie Brown because he was subpoenaed. Judging from his tone, Representative Walter see something sinister in Brown's presence.

Anyway, who's kidding whom? Are these same old tired Reds, known like a book by the FBI for years, the only ones the Committee can dredge up? In San Francisco, Archie Brown is as well-known a Communist as Roger Lapham Sr. is a Republican—and I trust that Roger, with his customary vigor, will be out these next four years battling harder and more effectively than Archie Brown for the overthrow of the Government. The Democratic version of it, at any rate.

To sum up, what I object to most heartily is the attempt of the Committee to smear the students present as "Communist stooges." There is no more effective way of enforcing conformity and instilling fear, as the late Joe McCarthy was quick to find out. And few things could do more damage to what my letter-writing friends like to call "the American way of life"—which, to answer their rhetorical questions, I do indeed believe in.

Monday, November 21, 1960

I spent the morning at the Radiation Laboratory. Lennart Holm is here visiting.

I received a letter from Art Campbell inviting me to make a film for CHEM Study on one of the following subjects: neptunium, plutonium, curium group as to chemistry, application of ion exchange to chemical problems, or the identification of new elements in general. I will suggest that I talk about the synthesis and chemistry of the transuranium elements.

I dictated a letter to Mac Bundy thanking him for all his help on the PSAC Panel report:

"I want to express the greatest appreciation to you on behalf of myself, our panel and the P.S.A.C. Your role was a crucial one, and I doubt that a satisfactory report could have been issued without your help.

I hope that this episode marks the beginning of our continued association in one way or another in the future."

I also mentioned that although I did agree to a few editorial changes suggested by Kistiakowsky last week, I decided not to agree to a number of more substantive changes that were also requested. In a postscript on the copy of the letter which I sent to Kistiakowsky, I reminded Kisty that we owe Mac some money and recommended the sum of \$2,000.

I also wrote Bob Penneman (Los Alamos) in response to his recent letter to me regarding obtaining a position in one of the UC Chemistry departments. I wasn't able to give him much encouragement about openings but I did remark on the high regard in which I hold his work.

I sent off a review of "Nouveau Traite de Chimie Minerale", Vol. XV, Uranium et Transuraniens, Part I, Uranium edited by P. Pascal for publication in Endeavour, a British publication.

When I arrived at my Dwinelle Hall office after lunch, I took care of some correspondence. Although I have heard that John McCone wanted to leave the chairmanship of the AEC even before the election and had considered waiting to see who is appointed by Kennedy to that slot, I decided to send off our proposal for \$1 million in support for the Lawrence Hall of Science from the AEC. I certainly hope that Kennedy's choice for the AEC is someone sympathetic to the importance of science education.

At 1:15 p.m., as requested by Lincoln Constance, I met with Thomas Kuhn to try to encourage him to stay here at Berkeley and pass up offers from other institutions trying to lure him away. Kuhn's field is the history of science and competition for him is becoming fierce. We talked in general about his future here and in particular about the need to add an FTE in the field of history of science. I also mentioned to him something of the interest in developing a course on the social implications of science expressed by Ed Strong and Arthur H. Compton. I had the impression that our meeting was helpful in reinforcing his interest in sticking with us.

At 2:15 p.m. I met with Nevitt Sanford, Benson Snyder (a psychiatrist at MIT), Robert Strauss (a sociologist at the University of Kentucky Medical School),

David Archibald and John Seeley (Executive Director and Director of Research, respectively, of the Alcoholism Research Foundation in Toronto, Canada). These men are the Executive Committee of the Joint Commission on Alcoholism of the National Association of Alcoholism Programs. I told the group that I think we can work out their requirements for operation at Berkeley satisfactorily.

In the course of the conversation I referred to the operation as a "center" and Sanford referred to it as an "institute" but I didn't check this point as I didn't want to belabor it.

Sanford has in mind for the associate director Frank Palmer (Social Science Research Council in New York) and expressed some concern over Palmer's job security in a non-academic classification. I said that this is a difficult problem--that we don't give contractual guarantee of job security in such situations, but if the man is good, there usually is no problem with him going on to related positions. The problem of responsibility of the Commission came up. There seems to be some vagueness here, vis-a-vis Sanford's responsibility to the University. I suggested that this relationship be defined on paper and this they agreed to attempt to do. It was also agreed that we would start his document through the Educational Policy Committee as soon as possible and that if the Committee needs more information they can get it from Sanford.

At 3 p.m. I met with Bill Dauben, Hardin Jones, Daniel Mazia, Burton Moyer, Thomas Pigford, John Whinnery and Sandy Elberg to discuss the provisions for safety in the planned neutronics laboratory in Engineering Unit I.

Dan Wilkes, Alex Sherriffs and I got together at 4:30 p.m. for a general session on student activities, public relations, etc. We discussed Sherriffs' letter to the Board of Control of the University of Michigan Publications in which he voices strong objections about the lack of accuracy and general tone of Thomas Hayden's article.

Tuesday, November 22, 1960- Los Angeles and Home

Both this morning's San Francisco Chronicle and Daily Cal carried stories about the growing protest about the deportation of John Robert Johnston, the Scottish biophysics Ph.D. candidate deported for his participation in the HUAAC riots last May. In my statement, quoted in both articles, I suggested that the rules should be strictly defined for foreign students and said,

"I have no recourse but to reiterate the long-standing policy of non-interference in the affairs of students acting as private individuals in non-university matters."

At 10:45 a.m. I met with Chronicle science writer David Perlman to discuss with him the report of my PSAC Panel.

I flew to Los Angeles earlier than I had originally planned in order to tape a show on the PSAC Panel report for Dave Garroway's "Today Show" at the Burbank studios.

At 6:30 p.m. I went to Perino's on Wilshire Boulevard to join the dinner hosted by Henry R. Luce in honor of Frank McCulloch, Chief of TIME, Inc.'s Los Angeles Bureau who is leaving to take a job on the staff of the Los Angeles

Times and to introduce Marshall Berges who is moving from the Detroit Bureau to assume McCulloch's job. There I met Hedley Donovan (Editorial Director of TIME, Inc.'s magazines). It was a very interesting evening; the conversation was stimulating among those attending, whom Dan Wilkes described as "major leaguers" in his memo suggesting I take up Luce's invitation.

I was booked on the 11:30 p.m. United Flight #283 to San Francisco, but when I arrived at the airport I learned that it had been cancelled due to bad weather. I was very annoyed to learn that others had been accommodated on another flight departing from Burbank and more than annoyed by the discourteous treatment I received from a reservations clerk. I intend to lodge a vehement protest with United.

Wednesday, November 23, 1960

Although there was no meeting of the LRL Associate Directors this morning, I went by the Rad Lab anyway to handle a few matters there.

I dictated a long letter to Jan Rydberg, who wrote me recently to say that he is applying for one of two new professorships in the field of nuclear chemistry created by Sweden and to ask me for my thoughts on a number of questions:

"You have asked me to express my opinion of the true definition of the term nuclear chemistry. Unfortunately this term came into widespread use without any objective attempt to define it and it is now used by different individuals in a wide variety of meanings. I think you can get some of the flavor of the shifting meaning of this term by reading the prefaces to the first two editions of Friedlander and Kennedy's book on radiochemistry.

I personally use the term in two senses. In the narrow sense I conceive nuclear chemistry to be the study of nuclear structure and nuclear phenomena by experimental methods in which chemical techniques play a significant but not necessarily key role. Some examples are the study of nuclear reactions by the radiochemical analysis of the products, the decay schemes of nuclides which can be prepared in suitable purity only by skillful chemical techniques. You, no doubt, recognize that this is the branch of nuclear chemistry which is emphasized at Berkeley. There is no question that there is a great overlap with nuclear physics and in truth many nuclear chemists have shifted their experimental interests so much that they are now indistinguishable in their daily work and in their publications from nuclear physicists. However, these scientists still retain the ability to attack any future problem with a chemical technique should it prove fruitful to do so in some unexpected way in the future.

I might add, as you well realize, that there are many older fields of research such as atomic and molecular spectroscopy and study of the solid state of matter which lie in the border area between chemistry and physics and which are pursued in lifelong investigations by both physicists and chemists.

The term nuclear chemistry is also used in a broader sense to mean any field of chemistry in which nuclear phenomena play a role. The nuclear studies I have mentioned above then become only a sub-group of nuclear chemistry. Other sub-groups include radiochemistry, chemical

investigations with radioactive or isotopic tracers, isotope separation, nuclear geochemistry, chemical properties of the natural radioelements, chemical properties of the synthetic radioelements, neutron activation analysis and radiation chemistry. Again, it is clear that there arises a serious overlap with other areas of chemistry and that it is impossible to make a clean classification.

I believe that a professor of nuclear chemistry might be expected to present a clear introductory exposition of the fundamentals of most of these sub-areas of the broad field of nuclear chemistry. I believe that it would be unreasonable to expect him to be an expert in more than one or two.

You have raised the question concerning the practical contributions of nuclear chemistry. I have always thought of nuclear chemistry strictly in its fundamental scientific aspects. I do not believe University research should be influenced by its possible practical usefulness. University science outside of engineering departments should be concerned exclusively with attacking our ignorance of natural phenomena. This attack will in the long run lead to important applications.

There is no question that nuclear chemistry has contributed to other scientific problems and technology. Some past examples are the discovery of fission, the application of coprecipitation and other radiochemical techniques to the isolation of plutonium and the fission elements, the discovery of Cf^{254} and the postulation of its possible role in supernovae explosions, the discovery of C^{14} production in the atmosphere and its role in radiocarbon dating, the use of oxygen isotope ratios to determine paleo-temperatures.

The practical aspects of nuclear technology such as metallurgy of uranium and the preparation of fuel elements in nuclear engineering does not fall within the proper confines of nuclear chemistry in my opinion."

I then went down to my Chancellor's Office. I was very pleased to read that the U.S. Immigration Service has rescinded its deportation order against John Robert Johnston; he will be allowed to stay and complete his final semester of work for a Ph.D. in Biophysics.

Bob Brode called me at about 11:40 a.m. He told me that Alan Waterman phoned him yesterday while I was in Los Angeles. Waterman said that the National Science Foundation could provide some kind of fellowship for Donald Glaser, but that they would like to have Glaser provide some sort of outline of what he intends to do, definitely naming places and people he intends to visit, etc. Waterman stressed that this doesn't mean that they wish to place any restrictions on Glaser, but that he will have a "free operation".

Bob told me that Waterman also spoke about the proposal to NSF to support the Lawrence Hall of Science. He said that the NSF 1961 budget is absolutely frozen, that the 1962 budget is practically frozen, and that an item as large as this must be a "line item" and, therefore, must be put off until 1963-64. It may come sooner, however, if a bill is introduced in Congress, such as the Weather Modification Program bill which was passed through Congress and directed NSF to undertake work in a certain area. In other cases, bills have been passed authorizing NSF to spend a certain amount of money not in excess of a particular figure on already appropriated sums of money. If there is any

surplus in the Director's budget, it can be used for that purpose (for instance, in the Basic Science Program budget). To get a bill through, Waterman said that I would have to talk to California Senators Kuchel and Engle. Brode asked Waterman if he was encouraging us to do this, to which he responded that in some cases this is advisable, that Waterman thinks Lawrence was a nationally known figure and that it would be appropriate to consider action of this sort. Another channel suggested by Waterman would be contact through John Phillips of Imperial Valley, now retired and living in Washington. Phillips would be a good contact since he is very close to Albert Thomas (Chairman of the Appropriations Committee subcommittee which handles NSF matters).

In connection with the report which Bob Brode, Franklin Murphy, Roger Revelle and I are going to present at the Santa Barbara meeting of the Regents on December 15th, he said he would like to have me give a 15-minute talk on "The Future Outlook for the Role of the Federal Government in Support of University Research." He said that I should also distribute copies of my PSAC Panel report; I told him that I intend to send copies directly to the Regents.

After making some changes in Dick Jennings' draft letter to Berkeley City Planning Commissioner John Gray (and having Kitty Malloy check those with him) I sent out a very cautious letter, stressing the importance of an invitation from the City to any possible plans for University use of the Berkeley waterfront and promising to call their request to the attention of the President and the Board of Regents.

I also signed memos to Clark Kerr requesting permission for the assignment of a temporary building in the Cowell Hospital area to the Engineering Extension's program in nuclear engineering (in accordance with the new policy established by the Regents this month); and correcting a mistake in the October minutes of the Regents Finance Committee concerning the priority of the acquisition of Newman Hall.

I wrote to Gordon Mackinney requesting a review by the Committee on Educational Policy of the statement on "Supervisory Status in Physical Education", dated 1951, which may now be outdated.

I presided over a luncheon meeting of the CAAC beginning at 12:15 p.m. In addition to the regular members, the following guests attended: Peter A. Boodberg (Acting Chairman of the Department of Oriental Languages), Joseph T. Gregory (Chairman of the Department of Paleontology), William N. Kennedy (Chairman of the Department of Transportation Engineering), Mark Schorer (Chairman of the Department of English), Ronald W. Shephard (Chairman of the Department of Industrial Engineering), Ronald N. Walpole (Chairman of the Department of French), Tung-yen Lin (Chairman of the Department of Structural Engineering and Structural Mechanics) and John W. Oswald (Assistant Vice-President for the University).

Most of the meeting was taken up by my reports on the meetings of the CCCO and the Regents. We also briefly covered a long list of informational items.

Ed Strong then presented a fairly detailed synopsis of the report of the Subcommittee on Higher Education Costs of the State Assembly Interim Committee on Ways and Means and a briefer report on the principal revisions and recommendations suggested by consultants at the recent meeting on the NDEA. These eight recommendations are:

1. Provision for capital improvements.
2. Increase supply of qualified teachers at every level.
3. Provision for training supervisors.
4. Counselling and guidance to be strengthened.
5. Provision for a revolving loan fund for costs of collection, and for extending the forgiveness feature to individuals entering into college and university teaching.
6. Provision for strengthening the teaching of mathematics, foreign languages, science, and English in elementary and secondary schools.
7. Provision for postdoctoral fellowships.
8. Provision for federal scholarships.

Our meeting adjourned at 3:05 p.m.

Immediately following the CAAC meeting, I presided over a meeting of the Academic Advisory Committee. Present were members K. E. Bock, L. Constance, W. R. Dennes, S. S. Elberg, A. A. Kragen, G. Mackinney, A. B. Pardee, R. E. Powell, M. A. Stewart, E. W. Strong and H. Williams, and guests T. F. Parkinson, M. Schorer, P. Seabury and J. tenBroek.

I introduced the subject of the English composition requirement and responsibility for it in the Departments of English and Speech by pointing out that the discussion which the AAC conducted on November 9th regarding this subject made it clear that the central problems are budgetary support and the effect on the academic programs of the departments concerned. I described the two alternative programs that have been canvassed without conclusion: (a) more centralized administration, as in the case of Subject A, or (b) placing responsibility on the individual subject-matter departments.

Discussion of these by Schorer, tenBroek, Seabury and Parkinson resulted only in agreement to cooperate more closely in seeking a solution to the problem. Dissatisfaction was expressed about the growing tendency to staff more and more introductory courses with graduate student lecturers rather than with ranking professors.

A discussion of the proposal by the Budget Committee to discontinue use of the titles Associate Professor Emeritus and Assistant Professor Emeritus and simply use Professor Emeritus resulted in agreement that this would be a gracious acknowledgement of meritorious service in cases where research productivity had been insufficient to insure attainment of the rank of full Professor.

Sandy Elberg introduced the subject of standards for space assignments for Emeriti Professors, by pointing out that the established space standards make no provision for them. This frequently leads to hardship and indignity in cases where the Emeriti Professors desire to continue active work. He stated that a particular need exists for laboratory space. Accordingly, he sought authorization for the Committee on Buildings and Campus Development to explore various possibilities, particularly the possibility of including a special building for Emeriti Professors in the Capital Improvement Program. In discussion, vigorous objection was expressed to the notion of a centralized accommodation for these faculty members, from whom we could expect even more vehement objections since it is important to them to maintain their departmental connections. It was agreed that the BCD should seek other solutions.

I next introduced the proposal by Bill Prosser to limit enrollment in the School of Law by summarizing his points as follows: a) present enrollment is 268 students in the first year; b) a careful analysis of Boalt Hall accommodations reveals that the total capacity is 700-725 students which means a maximum first-year enrollment of 275; and c) accommodation shortage relates to library reading space, faculty offices, student lockers and carrels rather than to classroom space, since the latter difficulty can be overcome by scheduling classes around the clock and on Saturdays. I stated that I intend to ask the Regents to approve Prosser's request.

Adrian Kragen then led a discussion on the possible repercussions of this, saying that for public relations reasons limitation would have to be imposed flexibly, as experience indicates, on the basis of extant aptitude test, rather than on the basis of higher academic standards for admission. Unfortunate though it might prove academically, he believes that the Regents will feel compelled to give priority acceptance to in-state rather than out-of-state applicants. After a debate between Kragen and Elberg about the relative "luxuries" of Law School space as compared with other campus departments', it was agreed that I will recommend that the limitation be imposed temporarily as from Fall 1961, pending provision of an additional building for the School. We adjourned at 5:10 p.m.

Thursday, November 24, 1960

Thanksgiving Day. We had our usual turkey dinner with all the trimmings.

Friday, November 25, 1960

Since today is a part of the Thanksgiving holiday, it was very restful. I did work in my study part of the day. A letter from Senator Kefauver, thanking me for the opportunity to speak on the Berkeley campus, commented:

"...You have a wonderful University.

It always encourages me to see students show such an interest in politics. You are certainly to be commended."

Clark Kerr answered my questions about plans for the Computer Center, as follows:

"1) The Computer Center on the Berkeley Campus should plan to do work originating on the Davis and San Francisco campuses. On a long range basis the Berkeley Computer Center need not plan on doing work for University Hall, since the Electric Data Processing Center at University Hall is intended to take care of administrative services.

2) It is appropriate to study the possibility of installing a larger machine than the present 704 at the Berkeley Computer Center. However, methods of financing the operation of the machine must be reviewed very carefully. As you already may know, the Navy Auditors have disallowed charges against contracts by the Berkeley Computer Center since they maintain that the charges are in excess of actual costs."

I was very interested to read the detailed report of the Special Committee to Study and Recommend upon the Proper Organization of Instruction in Biophysics. Their recommendations are:

"(a) The Committee recommends that a Department of Biophysics be established in the College of Letters and Science, to have the customary responsibility for the administration of the M.A. and Ph.D. degrees. The Committee specifically recommends that no undergraduate major be established, if and when the department is created, but that this recommendation not prejudice the offerings of courses in the area of biophysics by faculty members in other departments.

(b)... that the present Graduate group in Biophysics be retained but wish to point out that it may be very desirable to change the name of the Graduate Group in order to avoid confusion among students and faculty. The Committee knows of the efforts of the Executive Committee of the Group in Biophysics to promote improvements in its Administration and recommends that reform of the Group be vigorously continued.

(c)... that the present curriculum in Bioradiology be modified to encourage participation by the School of Public Health.

(d)... that at a more appropriate moment the faculty in Medical Physics be changed from divisional to departmental standing in the College of Letters and Science, and that its organization be independent of direction by the Donner Laboratory.

(e)... specifically, that the implementation of points (a)- (d) above, not enjoin presently organized departments from continuing their own growth independently in the field of molecular biology or biophysics where such growth seems a logical extension of the department's own frontiers of activity.

(f) The field of Radiation Biology, dealing with the effects of radiation, constitutes an important field of research and teaching in physics, chemistry, and life sciences. The role it plays in a new Department of Biophysics will depend on the interests of the individuals selected for membership in the department, but we recommend that this area of work not be given status as a division of the department or its subject matter. Those who are deeply engaged in this area at the present, could be retained in their present units and in Medical Physics.

(g) The present faculty at Berkeley contains many men who might be considered for transfer to a department of Biophysics. A list of names [copy attached] of such faculty is appended to this report. The Committee also feel that the organization of the department should include new appointments from outside the University in fields such as:

1. X-ray crystallography, as represented by the Cambridge School of Perutz, the Oxford School of Hodgkin, and the Leeds School of Astbury.
- 2) Bioenergetics, especially the quantum aspects.
- 3) Biophysics of Behavior on the Cellular and Molecular Level."

Saturday, November 26, 1960

At the request of the Department of State, Helen and I hosted a luncheon at University House for African Chief Delegates of Newly Admitted Countries to the United Nations. There were 22 members in the group: 12 delegates, three wives and seven interpreters. Also attending the luncheon were Don and Virginia Mulford and several others. It was an interesting luncheon. Africa is changing so quickly now that it is difficult to keep informed of the changes in government there, let alone the new or newly named countries; I appreciated the education. After the luncheon, they were taken on a tour of the campus.

Sunday, November 27, 1960

Stan Thompson and I played nine holes of golf at the Contra Costa Country Club, shooting, respectively, 50 and 47.

Monday, November 28, 1960

I spent the morning up on the Hill at the Lab. I read a letter from Art Campbell posing a number of questions about our CHEM Study program.

In my Chancellor's Office I noted with pleasure a note from Admiral Hyman G. Rickover's secretary expressing his interest in receiving a copy of our PSAC Panel report.

I wrote a letter to Harry S. Truman asking him to visit our campus during the Spring Semester.

I forwarded to Clark Kerr for consideration by the Regents a proposal from Reinhard Bendix that the name of his department be changed from the "Department of Sociology and Social Institutions" to the "Department of Sociology".

At 2 p.m. I met with Heinz Haber and Dan Wilkes. Haber described to me his hope to produce a 45-minute film on the work at the Radiation Laboratory which would include an interview with me and be shown on German television. I agreed, asking Dan to arrange for permission from the Rad Lab and, through them, from the AEC. A man will come to look over the Rad Lab in December and the film will be made during the early part of January.

Albert Pickereil and I met to discuss public relations programs for the University at 2:30 p.m.

An extraordinary number of items were covered in my hour-long conference with John Whinnery, which began at 3 p.m. He emphasized the increase in graduate enrollment in the College of Engineering (average, 30%; electrical, 50%). He wants to begin to look for additional faculty to accommodate the increased work load. I said we would give him some guidance on this. Space problems will become acute next fall if the increase in enrollment is as great as this fall. I asked him to try to squeeze in the graduate students if he possibly can. They will get relief in about three years from Engineering Unit No. 1.

11 Delegates to U.N. From African Nations Tour U.C.



CAMPUS TOUR—U.C. Chancellor Glenn T. Seaborg hosted 11 United Nations delegates from African nations during a tour of the Berkeley campus yesterday. Among them (from left) Gerard McKenzie of Gabon, Nomo Kaka of Niger, J. P. Toura Gaba of Chad and Michel Gallin-Douathe of the Central African Republic.



AMBASSADOR JOSEPH OWONO OF CAMEROON REPUBLIC
Shoots campus sights during Bay Area tour

Eleven United Nations delegates from African countries got a taste of American higher education yesterday with a tour of the University of California.

At a later press conference in San Francisco, Ambassador Frederic Guirma of Upper Volta, said he hoped U.S. President-elect John F. Ken-

edy would give details of his peace corps campaign proposal that would send young Americans into emerging nations.

The U.C. tour and news session were part of a weekend Bay Area junket by the legates under State Department auspices. They visit Treasure Island today and leave Monday for Dallas, Texas.

The African statesmen lunched on the Berkeley campus, with U.C. President Clark Kerr as host. An evening reception at the San Francisco World Trade Center also was on their agenda.

In his press conference statement, Guirma said, "Now that Senator Kennedy is elected, I hope he will clarify his thoughts on the (peace corps) subject because we are so interested in the plan.

"I would like him to tell us now how he plans to implement the proposal. Later on, our governments can reply to his proposal and make suggestions." Guirma's nation has a population of some 4 million.

The Kennedy proposal stipulated a peace corps he made up of qualified, talented young men, versed in the language, skills and customs of the countries to which they'd be assigned. The President-elect stressed the need for sending these Americans to the new nations of Africa.

He made this proposal in a San Francisco address in the waning days of the hard-fought campaign.

Ronald Shephard is doing well in Industrial Engineering. His people have proposed an Operations Research Center. (In this connection, relations with the Business Administration program are being worked out.) I told him to be sure this proposal is in track--check with the Educational Policy Committee, etc. He said even old-timers in the College are enthusiastic about such a Center.

He told me that the Mechanical Engineering Department has some problems, although Samuel Schaaf is making some progress. Design people and Theoretical Mechanics people are not working together, so there may have to be separate divisions.

With respect to the Nuclear Engineering Department, Tom Pigford is a little discouraged. I said that he shouldn't worry; I think Pigford is getting along fine.

He would like to obtain the appointment of J. B. Conant as a one-month Regent's Lecturer in Engineering. The College of Engineering will write to him to ascertain his interest, sending a carbon to us, the Chancellor's Office. I said that my office will handle Conant's contacts with other departments (and campuses, if any).

His program to change the College toward scientific engineering is most difficult to effect in the lower division. He is working on changes regarding courses in humanities suggested by the Western College Association. The Engineering Council for Professional Development (ECPD) has given the College three years (from 1959) to report back on a program for the College in humanities and social sciences. He said there are some difficulties getting graduate courses reduced in numbers (for preventing proliferation of courses) because some faculty members want more and more courses. Whinnery is continuing to work on this.

The College of Engineering agrees that engineering instruction must expand to UC campuses beyond Berkeley and UCLA, but is not sure there should be a complete general engineering curriculum on all campuses (they have been asked to comment on this by the Educational Policy Committee). They think that there is a legitimate question as to where and when to introduce engineering to other campuses. They have some problems with the cooperative arrangement with the Davis campus. (Roy Bainer [head of Engineering at Davis and Assistant Dean at Berkeley] is satisfied; Emil Mrak has some doubts.)

Jack Marsh (Head of the Education Extension) and Clark Robinson (Associate Director of the Graduate Internship Program) and I met at 4 p.m. They suggested that we use the University's Demonstration Summer School at Oakland Technical High School (which has included all subjects and as many as 1800 students; more recently only 800) to give an eight-week chemistry course using our CHEM Study materials next summer. We would try to employ as the teacher of this course one of our best high school teachers who is teaching our CHEM Study material this year. In addition to the Oakland Technical High School students who would be attending the Summer School for acceleration in chemistry, the students might include Internship students in the University's high school chemistry teachers training program and high school teachers throughout the area whose skills might need upgrading. I told them to write up their proposal so that I could send it to Art Campbell and also to see George Pimentel. (I later called Pimentel to acquaint him with the proposal. George agreed that this might be a worthwhile program provided the class

consisted of not more than 50-100 qualified students.) I also suggested that they might try to get NSF support for such a program, but I said that I am not clear as to whether it qualifies according to NSF standards or when the deadlines for such proposals are.

My last appointment for the day was with Sam Silver, who handed me a proposal on Life Sciences he is submitting to NASA. He said that he has learned that NASA wishes to sponsor something of this sort at some university and hopes to bring the support here; I gave him my go-ahead.

He also raised the question of when he should use his Guggenheim and I suggested that he use it in the Spring Semester and summer of 1962 to allow us time to get an Associate Director who could take over at the Space Sciences Laboratory. We discussed the possibility of Hardin Jones for that slot; Silver will investigate this suggestion discreetly with such people as Melvin Calvin. I then took him in to see Errol Mauchlan to talk about the \$12,000 he needs in the Space Sciences Laboratory.

Helen took Dave to see the orthodontist this morning and then had the Cub Scout pack this afternoon.

Tuesday, November 29, 1960

In my Chancellor's Office this morning I signed a large number of memos and letters. I wrote to Clark Kerr recommending the following names for rooms and buildings on the Berkeley campus: 1) that the Emil Fischer Library be renamed "Emil and Hermann O. L. Fischer Library"; 2) that the new child study center be named the "Harold E. Jones Child Study Center"; and 3) that the studio theatre in Dwinelle Hall be named for the late Professor Willard Higley Durham.

I also recommended that permission be granted to install a plaque in the Library of the California Law Review with the following wording:

"BARTLEY CAVANAUGH CRUM

IN MEMORY OF THIS ALUMNUS THE FOLLOWING VOLUMES IN THE
LIBRARY OF THE CALIFORNIA LAW REVIEW HAVE BEEN PRESENTED
TO THE UNIVERSITY BY DEXTRA BALDWIN MCGONAGLE:

California Jurisprudence 2d (61 Volumes)
West's Annotated California Codes (84 Volumes)
West's California Digest (50 Volumes)
1960"

I wrote to Will Dennes informing him formally that the following people have been approved for Miller Institute fellowships for next academic year:

Dauben, William G.
Fatt, Irving
Jensen, William A.
McLaren, A. Douglas
Morse, Anthony P.
Oppenheim, Antoni K.
Parker, Earl R.
Spanier, Edwin H.
Stern, Curt

I wrote to Eric Bellquist (Chairman of the Intercollegiate Athletic Advisory Board) to define the role of the Board more clearly as to the consideration of policy matters and as advisory to the Chancellor not to the Director of Intercollegiate Athletics.

A memo went to Adriance S. Foster (Chairman of the Botany Department) assuring him that I recognize the grave need for space for his department and that I expect that more space will be made available to them when the departments of Psychology and Nutrition vacate the Life Sciences Building. I suggest that in the interim the only solution is to consider the temporary arrangement whereby junior faculty members share office space.

I read a memo from Adrian Kragen indicating that the statewide administration has transferred the Santa Cruz Mountains Project (the Miller property) and the fund totalling \$91,201.51 to our Accounting Officer's jurisdiction. The most recent committee report recommends that the property be used for a setting for small faculty conferences; that is, groups of 20-30 for two or three day periods with simple and rustic facilities with cottages and cabins for accommodations. He suggests that we ask Louis DeMonte to make a rough estimate of the cost of such a project; I wrote a note saying "I fear the initial cost, and upkeep, but we should find out."

Hunter Dupree wrote me a fascinating memo on the future of the history of science at our campus, which served to clarify what work has been done and what neglected in this fledgling field. He also shares with me some of his thoughts about the relationships between this field and the departments of History and Philosophy. This is an area I would like to develop at Berkeley, where so much pioneering scientific work has been done this century.

Just before I began my 11 a.m. meeting, I received a call from Clark Kerr, who told me that he received the very discouraging news that DeBurlo, too, has turned down our offer of the position of Vice Chancellor-Business and Finance.

He also asked me to speak with Ed Pauley about the importance of the ROTC vote at the December Regents Meeting, if at all possible.

Ed Strong and I then met with John Clausen (Director of the Institute of Human Development). The composition and role of the Advisory Committee to the Institute were discussed. It was agreed that the present membership should in general be continued, that Brewster Smith should be invited to replace Frank Beach, and that Clausen would talk with George Foster (Anthropology) to find out if he would be receptive to an invitation to serve on the Committee. Clausen will also talk with Hardin Jones about this. I stressed appropriate ways of consulting with the Advisory Committee (i.e., drafting proposals in advance of the meeting for purposes of discussion and decision in the Committee's meeting, thus working cooperatively with the group in reaching agreement on the development of research). The annual report of the Director should also be prepared in consultation with the Committee. It was pointed out that the principal role of the Advisory Committee is to advise on policies and to review plans for development of research. Administrative responsibility is vested in the Director. The Advisory Committee normally meets at the request of the Director; at least one meeting should be held each semester.

Clausen submitted a plan for the administrative organization of the Institute. It was agreed that, within the limits of the budget, we will try to provide for an administrative assistant. The work of an administrative assistant had been carried by Hardin Jones as Associate Director until his recent resignation. We will also try to provide for additional secretarial assistance, but cannot at this time do so to the extent indicated in the plan.

As concerns research development, Clausen said that he thinks it is desirable to work for a consolidation of three separate growth study projects. For the next few years, development of research in aging will probably be more on the social science side and less on the biological side than had been originally contemplated in the proposal submitted to NIH. He agreed that it is important to have participation in research from the biologists and to enlist support from Public Health and others.

At noon I presided over a meeting of my Cabinet which was attended by all the members. Alex Sherriffs reported that Bill Shepard is going to see Mike Tigar this afternoon. Tigar is expected to request permission to picket on campus against ROTC. After Sherriffs' informal discussion with Tom Cunningham, it was decided that we should not deny (or approve) the plan to picket.

I described Sam Silver's \$2 million proposal on biological science to NASA, noting that he is talking about a \$500,000 building in the Radiation Laboratory area as a starter, tying in with facilities at the Lab. I reiterated my belief that the Space Sciences Laboratory will eventually be as big as the Rad Lab.

Adrian Krage announced that General Counsel Cunningham has issued an opinion that Bob Underhill cannot sign the necessary papers for interim financing of the parking buildings. The Athletics Department has, therefore, cancelled the contract for outside parking for football. As a result, courtesy (free) parking on campus is forbidden. We will now have to keep track of courtesy cards and pay for these out of endowment funds. The question of changing the contract should be raised with the President.

Starker Leopold said that the committee has returned to the recommendation that the Marine Biological Station should be located on Bodega Head. He has talked with people in the State Division of Beaches and Parks and will draft a recommendation to go to the Regents.

I met with two representatives from United Airlines at 2:30 p.m. They were very apologetic about what happened to me on my return flight from Los Angeles on November 22nd. They said that they will give me telephone numbers throughout the country that I could call in emergency situations, even offering to give me their personal home phone numbers. In the event that none of the numbers listed are of any help to me, I am to contact the Reservations Manager or supervisor on duty and give their names.

At 3 p.m. I presided over the meeting of the Campus Planning Committee. The first item on our agenda was consideration of the relocation of a power line at the Radiation Laboratory. We then moved on to consideration of the long range development plan for the Richmond Field Station, endorsing the plan in general and approving the proposed site for the Sanitary Engineering Building there.

Regarding the Blind School Hill area, I indicated that the University's definite commitment or rejection of interest in the 68-acre surplus hill lands of the California State Schools for the Deaf and Blind is actively being sought by the State. I recalled earlier expressions of interest by the CPC but noted that the decision had been postponed because of the prior interests of the City of Berkeley in acquiring the area for recreational purposes. Al Wagner suggested that he check again on Berkeley's negative interest now that the City cannot anticipate available funds to purchase the property. Wagner also mentioned that he has been approached by a representative of the Audubon Society which would like to participate with the University in a teacher training center in nature education on the property.

Wagner also made a report on the progress of the plans for bicycle parking and "no riding" areas on campus. Funds have been allocated for the purchase of 500 new bicycle racks, most of which will be of the tapered-and-slotted concrete block variety, and for relocation of certain existing metal-type racks, and for the designation of a "no bicycle riding" area extending from Bancroft Way to Campanile Way and from Wheeler Plaza to the Life Sciences Building, to be delimited by yellow-paint pavement markings reading "no bicycle riding".

Louis DeMonte described a proposal to create a temporary parking area by demolishing four obsolete structures south and southeast of Cowell Hospital. Buildings to be removed are no longer fit for occupancy; temporary parking for about 110 cars will relieve pressure in this area of the campus until permanent parking can be provided east of Cowell Hospital and east of the proposed Environmental Design building. The Committee approved this plan.

Wednesday, November 30, 1960

There was no meeting of the Associate Directors at the Radiation Laboratory today so I went directly to Dwinelle Hall.

I wrote a memo to President Kerr concerning the Berkeley Waterfront Development Plan, informing him that the amended plan proposed by the Joint Committee of the Planning and Recreation Commissions of the City of Berkeley includes an allocation of 150 acres to the University for research or academic facilities and 35 for athletic fields to be used jointly by the University and a junior college. I described my letter to John Gray advising him that the deadline of November 30th for a response to the proposal is impossible for us because of the need to get his (Kerr's) and the Regents' reactions. I noted that both the BCD and the CPC have urged strongly that the University participate in this waterfront development.

I attended a luncheon meeting at the St. Francis Hotel in San Francisco, which was an occasion to promote Seattle's Century 21 Exposition to the 200-plus business and community leaders invited. The program began at about 11:15 a.m. About 30 minutes into it came my turn to speak, as a representative of the National Science Planning Board, about the science exposition planned (on which the federal government has spent \$9 million).

At the luncheon following the speeches, I sat next to a UC alumna (Class of 1930), with whom I ended up discussing the Lawrence Hall of Science architectural competition. She gave me the names of three firms: Paul Thiry, Naramore, Brady and Johnson of Sixth Avenue in Seattle, and Fontaine.

I then went to the Grand Ballroom of the Jack Tar Hotel, where I am filling in for Clark Kerr as chairman of the opening session of the Fourth National Conference on Exchange of Persons of the Institute of International Education. After a nice introduction by President Kenneth Holland, I remarked that our Berkeley campus has more foreign students registered than any other institution in the country and that many of our faculty are foreign-born residents or visitors. I then introduced the two speakers for the first session, Dr. Humayun Kabir (Minister of Scientific Research and Cultural Affairs for the Government of India) and Dr. Julius Gikonyo Kiano (Minister for Commerce and Industry for the Government of Kenya, who received his Ph.D. in Political Science at Berkeley in 1956). They both spoke on "The Role of Education in the Development of Nations".

After the opening session I went with other attendees to a reception at the San Francisco Museum of Art. I then participated in the 7 p.m. KRON television show "Nation's Future". Discussants included Ted Hesburgh, Alfredo Morales (Dean of the School of Education of the University of the Phillipines), Kiano and me.

Helen had a den mother meeting this morning, went to a tea at the Berkeley YWCA, and then a Mortar Board dessert party at 7:30 p.m.

Thursday, December 1, 1960

I went to my dentist, Kent Kohler, at 9 a.m. this morning.

I then went to my Chancellor's Office. I signed a letter to Clark Kerr recommending that the Regents be asked to authorize limitation of Law School enrollments beginning Fall 1961. We are requesting limitation to 700 students by holding the number of entering students next fall to 275. As background, the memo said:

"In view of the state's urgent present and future need of qualified lawyers, and of the Berkeley Law School's distinguished leadership in the field, the campus makes this recommendation with extreme reluctance, and only after careful exploration of possible emergency measures to meet the situation. This has led to the conclusion that there is no feasible alternative to enrollment limitation. Although shortage of classroom space could be met by increasing utilization and/or assignment of classrooms elsewhere on the campus, the limiting factors are in fact library reading space, faculty offices, student lockers, and toilet facilities. Such accommodations are presently strained to the utmost. The Committee on Buildings & Campus Development, which has had the matter under advisement, reports that easement in these regards can only be provided by means of an additional building which, with your concurrence, the campus will propose be scheduled for completion in 1963-64.

Pending completion of this additional accommodation, which will permit expansion to a revised planned ceiling of 1,000 students, it is intended that limitation be imposed flexibly, as experience indicates, on the basis of the extant aptitude test rather than by establishment of higher academic standards for admission."

I noted that applications for admission in Fall 1961 are currently 100% greater than at the same time last year, so this matter is urgent.

I also wrote to Kerr about the accomplishments and budget problems of the Space Sciences Laboratory, requesting an augmentation of \$12,000 to their budget from the University Fund.

A note from Bob Connick submits an official request that Chemistry Unit I be named after Wendell M. Latimer, adding, as I already know, that there is unanimous support for this suggestion from members of the faculty of the College.

C. Russell de Burlo, Jr. sent me a very nice letter explaining his reasons for declining our offer of the position of Vice Chancellor-Business and Finance for the Berkeley campus. He maintains that it is not a case of lack of interest in coming to Berkeley so much as a sense of responsibility for work not yet completed at Tufts University.

I telephoned Richard Powell (Chairman of the Committee on Committees) to discuss the nomination of a Consultative Board for the Daily Californian. He told me that the committee plans to meet tomorrow and I advised him of my intention to attend.

I also signed a letter to Supreme Court Justice Felix Frankfurter, inviting him to deliver the annual Jefferson Lectures next year.

I sent Gordon Mackinney a request that the Committee on Educational Policy review the alternative proposals that a Center for the Study of Psycho-Social Problems be established within the Institute of Social Sciences or that a new Institute for the Study of Psycho-Social Problems be created. Both of these proposals arise from the proposed location at Berkeley of the Co-Operative Commission on the Study of Alcoholism for which Nevitt Sanford has been appointed Research Director by the National Institute of Mental Health.

I mailed a package of materials describing plans for the Lawrence Hall of Science to Bill Libby, expressing my genuine pleasure that Ed Pauley has appointed him to the Memorial Committee.

Kitty told me that Dan Wilkes called to inform us that Ford Motor Company has accepted the University's offer on the Ford Plant in Richmond. It was agreed that the value of the property is \$1.8 million, that the University will pay \$1.6 million and that the balance is to be considered a gift to the University from Ford.

At 10:30 a.m. I called Warren Brown (publisher of the Richmond Independent). After some opening pleasantries, I told him that we are apparently officially a new tenant in Richmond and expressed the hope that our actions have been fair. He said he definitely feels that our actions and those of the Ford Company have been fair. He had hoped, of course, that the property could be kept on the tax roll.

I reiterated some of the functions for which the University will use the building and said that, although I may well be biased, I feel in the long run the University's occupancy may be more of an asset to the community than would be that of an industrial firm.

He asked me whether the deal has been consummated and I said that I could tell him, off-the-record, that the offer has been accepted. However, I emphasized that he should get this information from more official sources.

I asked him whether he thinks that it would be worthwhile for me to get further acquainted with some of the key people in Richmond by giving a luncheon at University House. Brown agreed to this suggestion enthusiastically, suggesting that we include such people as the City Manager, the Manager of the Standard Oil Company, the Mayor, key councilmen, etc. and that the luncheon should be after the first of the year. I said that we will go ahead and make arrangements for such a luncheon.

I went up to the Radiation Laboratory to join a group of students from Stiles Hall for a brown bag lunch discussion in Iz Perlman's office. I then started them on a tour of the Lab.

I phoned Ed Pauley at about 2:45 p.m. I started by warning him that I had quite a number of things to discuss with him and asking if I had picked a convenient time for an extended call. He said to go ahead with my call. I told him that as things have worked out, it would be much better if he used Regents' stationery for the letters to possible judges and participants in the architectural competition for the Lawrence Hall of Science. Marjorie Woolman suggested this and I agreed in the interest of getting things on the road. I told him I am mailing him a suggested draft letter today.

I brought him up-to-date on the situation with respect to the need to introduce a bill in Congress to get the \$3 million for support of the Lawrence Hall of Science. I described to him the meeting which Lee McLean, Harvey White and Don Cooksey had with Senator Carl Hayden (Chairman of the Senate Appropriations Committee) and their report that Hayden was very encouraging, even to the point of promising to appoint people of our choice to the relevant subcommittee. I also mentioned that Senator Alan Bible has been mentioned as a possible chairman for the subcommittee.

I said that we are thinking of introducing two separate, identical, bills in the House and Senate. I mentioned that I am going to try see Chet Holifield at the time of the American Nuclear Society meeting in San Francisco December 12th-14th; Pauley agreed that I might mention this to Holifield at that time. He said that we probably should get the backing of the entire California delegation. As a method of proceeding, he suggested that we have Jim Corley's office draft a bill immediately so that we might have something in hand when he approaches Senators Engle and Kuchel and others. In the meantime we should mention it to anyone we run into. I stressed the importance of getting to this before these people leave California for Washington to resume their congressional duties next year. He said it will also be important to get ranking members of the congressional Committee on Atomic Energy, namely Clint Anderson and Chet Holifield, to sponsor the bills. I noted that I have received the letter to Bill Libby and have sent him off a packet of materials today.

I told Pauley that I hope that the ROTC matter will come up at the December Regents Meeting. (This was in response to a request from Clark Kerr that I press this with Pauley.) He said, point-blank, "I'm against it." When I asked him why, he said that we have had ROTC for 40 years and he doesn't see that another month or so would make any difference. He is concerned about bringing the matter up so early in the Kennedy administration and that he would like to talk to some of the Kennedy people first.

I then shifted to another tack and pointed out that I think that in the present day world it is a waste of time for students to put in four units of work in the kind of military training that ROTC is now giving and that it would be much better, for example, to give them four units of science. Pauley agreed, saying that if we could come up with a positive program along those lines (describing what we would substitute), this would be another matter and that what he doesn't want to do is eliminate anything. Although I made some progress here, I uncovered another problem because it would be difficult to get universal acceptance (especially from the faculty) for a compulsory course, such as science, to be taken by all students.

Pauley mentioned that he had just finished talking with Fred Dutton (former secretary to Governor Brown) who is now in Washington working with Kennedy. He confided that he passed on the word that I would like to talk with Kennedy about ideas regarding education and science, etc. I told Ed that I will be in Washington beginning the evening of Saturday, December 17th, until the middle of the afternoon, Tuesday, December 20th. Pauley immediately put his secretary on the phone and dictated a letter to Fred Dutton informing him of my plans.

I phoned Jim Corley at about 3:45 p.m. to tell him about my conversation with Warren Brown this morning. He suggested that we include among those invited to the luncheon state assemblymen and senators from the Richmond district

(especially Assemblyman Knox, who is apparently the most bitter) and also all the people who signed the telegram to the Regents opposing the acquisition of the Ford property by the University and who made presentations to the Regents. He told me that some possible interference is developing in Sacramento. Some people have raised the question of whether this should go to the Public Works Board and Corley has told them that, in line with custom, it should not. Some other people have contacted Lt. Governor Glenn Anderson and he has asked for a report. However, Corley doesn't seem to think that there is any chance that the Regents will back down.

I called Elmo Morgan at 4:45 p.m. to talk to him about Robert Shelton. He said to go ahead, but the job title should be Business and Finance Officer, not Vice Chancellor-Business and Finance. Kragen will check some references and then, assuming they are good, set up appointments.

This afternoon's Oakland Tribune carried an article on the sale to the University of the Richmond Ford Motor plant; although the story did give some history on the controversy surrounding this long-drawn-out negotiation, on the whole it was positive.

I drove over to San Francisco to the Mark Hopkins Hotel to join the cocktail party preceding the annual alumni dinner of the Columbia University Alumni Clubs of Northern California. Bishop James A. Pike gave the invocation and then Richard Wagner (President of the Columbia University Alumni Clubs of Northern California) made some welcoming remarks. An Alumni Award was presented to Mortimer Adler by Samuel Stewart (Vice President of the Bank of America).

Wagner then introduced me. I chaired the panel discussion "New Patterns in Education", which was moderated by Grayson Kirk (President of Columbia University). Other members of the panel included Millicent C. McIntosh (President of Barnard College), Charles Frankel (Associate Professor of Philosophy at Columbia), John G. Palfrey (Dean of Columbia College) and Isidor I. Rabi (Professor of Physics at Columbia). It was a wide-ranging, very stimulating, discussion.

Friday, December 2, 1960

I signed a large number of routine memoranda, etc. in my Chancellor's Office this morning. I was very pleased to receive the following extremely nice note from Mac Bundy:

"I have your generous letter of November 21, and all that I can say is that I had a very good time helping with the report of our panel. The whole experience was a highly instructive one to me, and you were all very patient with the layman in your midst. I must say that I get great satisfaction out of having a chance to meet and work with first-rate scientists in enterprises like this one, and I share your hope that we shall be seeing each other again soon."

I read an interesting letter from Henry J. Kaiser, Jr., writing in his capacity as Chairman of the Public Advisory Council on Education. He described various additional activities PACE has undertaken. They are undertaking studies of the role of Laney Trade School (which some people complain is moving away from vocational training into academic preparation for

an A.A. degree to the neglect of those who need job-skills training) and of "in-migrants" to the Oakland schools and the effect on city resources. PACE has also established an Inter-Racial Subcommittee to be composed of negro and white leaders who will work together to try to improve school-community relations.

I okayed Hunter Dupree's plan to volunteer to re-write the Berkeley catalogue; this shouldn't be a part of his responsibilities, but since he volunteered...

I held my Student Office Hour from 11 a.m. to noon. The first student, Gene Goheen, came in to register a complaint about his inability to get publicity in connection with his candidacy for two ASUC offices. He said that the Daily Cal refuses to give him publicity on the basis that it would be too one-sided and wouldn't be equal distribution.

He then brought up the subject of his status as a student. He said that he had a hearing before the Student Conduct Committee yesterday regarding, as he put it, his suitability as a student. He has been receiving psychiatric help from Cowell and said that he feels better since he has been taking tranquilizers. He told me something about his family history. Apparently, a few of his 12 siblings have had difficulty coping with the religious fanaticism in his family. He impressed me as a rather nice chap, somewhat confused and trying to find his way in the world, and obviously at a great disadvantage due to his background and, I presume, some influence of heredity.

Graduate student Charles Fox, the second student, has attended Student Office Hours before. He said that he is extremely disturbed by the political setup among the students on this campus. He is convinced that the inner core of SLATE is dominated by Communists with all the objectives of international communism and that this has extremely serious portents for the future, unless something is done to stop it.

He quoted me passages written by Al Richmond of the People's World in the October 22nd, October 29th and November 5th issues, which candidly describe some of their objectives, their meetings at retreats where their plans were made, and their real motives behind the May episode in San Francisco. One of the articles said that SLATE has established contacts among American colleges and universities and the implication, of course, is that it is part of a nationwide student movement of serious implications. He mentioned quotes or discussions of this problem in the new magazine, New Horizons for Youth, which he claims is sponsored by the Communist Party. I assured him that we are aware of this problem and told him that he must realize that if we began to use repressive measures this would only strengthen the position of the people he describes. He seemed to understand. I asked him to send me copies of the quotes he read to me.

Valerie Webster and Carl Elliger came in together to invite me to be their banquet speaker at the meeting of the Student Affiliates of the American Chemical Society in early March. I said I would check my calendar and let them know. I am inclined to accept.

The last student, Beverly Bates, is a junior Economics major. She said she just wanted to come in to talk to me in order to get acquainted before she leaves. She is a transfer from USC, has done some summer school work in the east in the Russian field, entered here this fall and is transferring back to USC next semester. I asked her why she is transferring. She said that although she likes it here very much academically and thinks it is superior to

USC academically, she doesn't like the student political atmosphere and, besides, her home is in Los Angeles.

She was interested in the meetings of the Institute of International Education going on now in San Francisco because she wants to go to Russia as an exchange student. I gave her Kenneth Holland's name and a few others so that if she wants to do so, she can go over to the Jack Tar Hotel and explore possibilities with them.

I walked over to California Hall for the 2:30 p.m. meeting of the Committee on Committees in Room 219. There was considerable discussion about membership on the Consultative Board of the Daily Californian, with a final result of the following names: E. T. Grether (alternates: C. E. Smith, R. E. Connick, and J. Cason); G. C. Hazard (alternate: J. R. Hetland). Additional members of a panel to advise me concerning the appraisal of Paul S. Taylor as Chairman of the Institute of International Studies were suggested as follows: W. R. Bascom, H. A. Einstein, M. R. Haas, R. A. Scalapino and F. J. Whitfield. Changes were made to the Special Committee to Consider Classroom Ethics: D. A. Riley will serve in the place of C. W. Brown, who is unable to serve, and will act as Chairman in place of A. S. Levens; who will remain a member.

Lincoln Constance and I held our weekly meeting today at 3 p.m. We talked at some length about the various conferences with and negotiations about Thomas Kuhn's attractive offer from Princeton (or is it Johns Hopkins?). Constance told me that History Department Chairman Delmer Brown has assured him that the teaching load problem is being solved and that the regular procedures have been set in motion for reviewing the possibility of Kuhn being advanced to a full professorship. The one critical point is the provision of a "free" FTE, that is, one not taken from either History or Philosophy, to be added to the History of Science program. I agreed to approve this if L&S will take it out of the work load total for 1961-62 (assuming that they get the same number of positions for 1961-62 as they did for 1960-61).

We also talked about problems filling positions in the Department of Art that have been vacated by retiring faculty.

Constance told me that Travis Bogard has proven to be a vigorous Acting Chairman of the Department of Dramatic Art and has reorganized the undergraduate curriculum, including absorption of the Group Major in Dramatic Literature, and has gained approval of a graduate program. We talked about various problems with staffing the Department.

We discussed English Department Chairman Mark Schorer's request for a "little" Beckman professorship for Summer Session 1961. I said that I think this might require regential approval since it would violate their traditional view that the Summer Session should be self-supporting. I suggested that we ask the English Department to wait until Summer 1962, when it is hoped that the Summer Session will be state-supported.

At 4 p.m. I called Al Hyman (San Francisco Chronicle) to explain to him the set-up of the Consultative Board of the Daily Cal and to offer him the position; he accepted.

I then called Chuck Smith and did the same; he also accepted. He also mentioned that he is very happy with the findings of our PSAC Panel and likes the idea of federal professorship aid. He would like to put forth the name of

Lowrie Dobson (in Radiation Medicine) as someone eligible for this. I said I approve of this and encouraged him to get some nominations in.

Helen and I attended the cocktail party and award dinner of the Institute of International Education in the Grand Ballroom of the Jack Tar Hotel. I sat at the headtable, where I had a chance to talk with Jim Killian (Chairman of the MIT Corporation) who made a great speech about science and education in today's international society. I told him something about our CHEM Study program and promised to send him some materials describing this.

Saturday, December 3, 1960

A quiet, relaxing day around home.

Sunday, December 4, 1960

I played 12 holes of golf at the Contra Costa Country Club with Stan Thompson. For the first nine holes Stan shot 46 and I, 44.

Monday, December 5, 1960

As I usually do on Mondays, I spent the morning at the Rad Lab and stayed through the brown bag lunch meeting. While up on the Hill, I dictated four letters of recommendation for Guggenheim fellowships- for Linus Pauling, John O. Rasmussen, Bernard G. Harvey and Arthur W. Adamson.

In my Chancellor's Office I dictated a letter to Stanley W. Walgren (Principal of Acalanes High School in Lafayette) agreeing to serve as one of three co-chairmen of their fundraising campaign for an expansion of the school. I made it a condition of my acceptance that there be no demands on my time, as he had promised in his letter to me.

I wrote to Rose Gaffney to let her know that the Committee on the Marine Biological Laboratory has reversed its decision ruling out Bodega Head as a possible site and that I would like to resume our discussions about finding a suitable site in the vicinity of Horseshoe Cove.

At 2 p.m. I met with Donald Coney about library costs and the Master Plan. I told him about my conversation with Franklin Murphy during which he told me that he plans to use \$2 million to "beef up" the UCLA Library to "catch up with Berkeley". I reported that I told Murphy I would agree to this provided 1) UCLA contributions to the University Fund cover it (I don't want Berkeley to end up paying for UCLA's acquisitions); and 2) that our Library should also continue to increase, that we won't stand still. I suggested to Coney that we go along with an increase consistent with the figure in the Table I with which he presented me. Coney added another point: if they get \$2 million, the UCLA Librarian will be able to go to Europe and make a lot of purchases of opportunity, so we ought to have a little for that purpose also. We may ask for something along the line of \$500,000.

I kept a 2:45 p.m. appointment with George Hall, who reviewed his experience for me and expressed interest in the job of Director of International House. In the course of the conversation, I pointed out that we don't have a written

job description, that we do look for more University involvement, than was the case with Allen Blaisdell, but don't press for this, and that it is all largely up to the Board of Directors. Hall said he would want to have more responsibility than just looking after the operation of International House. I urged him to see Robert Gordon Sproul, with whom, it happens, he was planning to meet immediately after our appointment. He said that if he were offered the position, he couldn't come before six months after the offer because he feels he owes the Creole Corporation that much notice. In response to my query about salary, he said he makes \$25,250 now but understands the University couldn't match this. The reason he is interested in the move is that he has four children, the oldest of whom is entering the ninth grade, and in Venezuela ninth grade is the final schooling offered.

I then called Bill Shepard to explain to him the reasons why we decided that he would not be a good choice for the Daily Cal Consultative Board (conflict resulting from his service on Ex Com, etc.).

Ed Teller called at about 3:15 p.m. to let me know that he has just sent a memo to Helmholtz' committee regarding possible educational uses for the Livermore Laboratory. He presented a five-year plan, which he hopes will begin in 1961. He has proposed 40 graduate students for 1961 and 300 for 1965. The budget estimate for the five-year period is \$2.5 million.

At 4 p.m. I met with Alfredo Morales (Dean of the School of Education at the University of the Philippines). He talked about some of his problems. Manila did not require high school physics until two years ago, when they made it compulsory for all students. (I pointed out that this is more than we do in the U.S. We are averaging only about 25% taking physics.) He asked me about the advisability of requiring physics in high school; I said that I don't think it is vital but I couldn't say that it might not be a good idea. He was particularly interested in our internship program for placing science majors in high school teaching positions. I said that most of the science teachers in U.S. have not majored in science and this is a serious problem for us. He was interested in the California Master Plan for Higher Education so we gave him a copy of it.

At 4:30 p.m. Mrs. Marguerite Aaron came to visit with a copy of Elements of the Universe which she asked me to autograph for her 11-year-old son to "give him a lift". I was, of course, pleased to do so.

Dan Wilkes and I got together briefly for an updating session.

I then went up to the Claremont Hotel to attend a social hour for participants in the Conference on Two-Year Colleges of the American Association of Junior Colleges, sponsored by the Center for the Study of Higher Education.

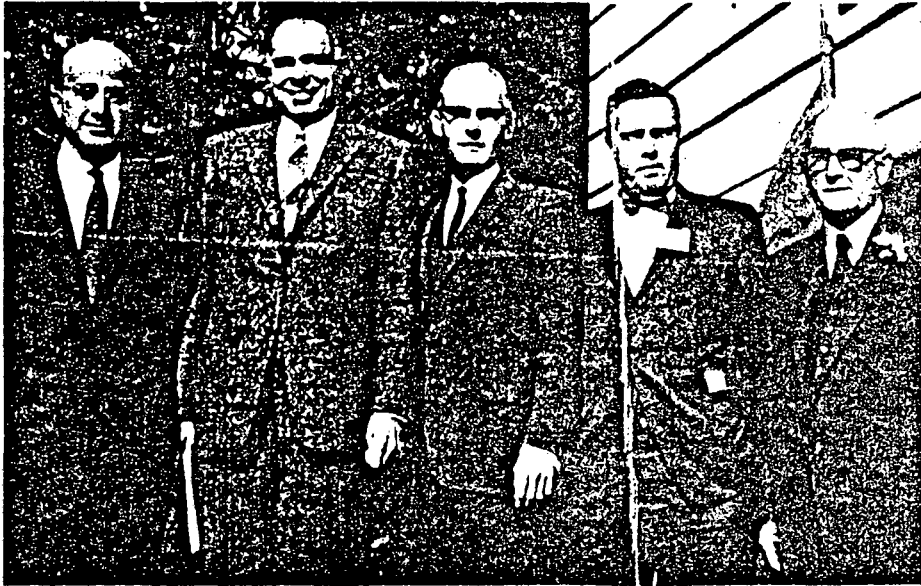
Helen had the Cub Scouts today, as she usually does on Monday afternoons.

Tuesday, December 6, 1960

This morning I dictated a letter to S. G. McCann in response to his request for recommendations of people who might be well-suited for the presidency of Rice University. I put forth the names of Willard F. Libby, Roger Revelle and McGeorge Bundy.

UNIVERSITY BULLETIN

December 5, 1960



HOSPITAL ADDITION DEDICATED—Among those on hand for the recent dedication of the new five-story S. H. Cowell Foundation Memorial Wing on the Berkeley campus, in addition to The Regents, were (left to right) University President Clark Kerr, Chancellor Glenn T. Seaborg, Warren L. Bostick, M.D., President-Elect of the California Medical Association and Professor of Pathology, San Francisco Medical School; Henry B. Bruyn, M.D., Director of the Student Health Service and Associate Professor of Medicine and Pediatrics, and Max Thelen, President of the S. H. Cowell Foundation. Construction of the new facility, made possible by a \$1,500,000 grant of the S. H. Cowell Foundation, doubles the previous student health facilities at Cowell Hospital, built in 1930, for a student body of 10,000. The expanded facility will result in one of the most complete student health services since the founding of student health services at Amherst in 1859.

I read a copy of a note from Fred Dutton to Ed Pauley, informing him that Dutton has referred my request for an interview with President-Elect John F. Kennedy to Kennedy's aide (and brother-in-law) Sarge Shriver.

I met with Lee McLean, Harvey White and Don Cooksey about the Lawrence Hall of Science at 11 a.m. We decided that I should send Clark Kerr a draft copy of the proposal we intend to make to the Atomic Energy Commission for support of the Hall and ask him at what point he thinks we should formally ask the Regents for permission to solicit.

In the course of the conversation Lee McLean told me that Norris Nash (who is Tom Chamberlain's brother-in-law) told him that Chamberlain resented Sproul making the Earl Warren Legal Center presentation to the Booth Foundation Trustees because Chamberlain feels that Sproul prevented UC from giving an honorary degree to Booth. In view of this, it was decided that I should call Chamberlain.

When I reached Tom Chamberlain I learned that Sproul has not yet met with the Booth Foundation Trustees; he is scheduled to do this on December 20th. Chamberlain said that he is hopeful that they will get \$250,000 from the Trustees. A tie-in with law as it has to do with business or banking would help convince them, he thinks, and he has suggested this to Sproul. He said we should also be prepared to name the portion of the Legal Center funded by the \$250,000 after Willis Booth. I assured him that this request supercedes my previous request (for the Calvin Lab). He, too, wanted to make it clear that this will be the last request to the Booth Foundation from UC for some time. Absolutely no animosity toward Sproul was shown.

At noon I presided over my weekly Cabinet meeting. I reported on my discussions with Jim Killian and Harry Kelly about the possibility of developing a course on science for non-scientists, commenting that both were enthusiastic. Starker Leopold suggested the possibility of several composite courses or a series of courses tied together in some way that could be coordinated by one person or a group of people. We hope that we can get together a nationwide group of people interested in developing this project. A coordinated course in physics and chemistry, plus the social science integrated course and perhaps a course in humanities for scientists was suggested. However, the course in science for non-science majors, supported by NSF, has first priority.

I stressed the importance of working out ways to move continuously on a high priority for Residence Hall #3. I noted that at Utah the halls are provided 100% through the federal government, although the facilities are more austere than ours and a higher rate is charged. A strategy meeting was suggested as a beginning--with Elmo Morgan, Adrian Kragen, Alex Sherriffs, Bill Shepard and perhaps Don Mulford--to blueprint the strategy. It should take into account the effect on our academic plan if we reach the saturation point in housing.

We spent some time talking about the agenda for the CCCO meeting and the Regents Meeting this month and I reported on my discussions with Franklin Murphy and Donald Coney about library matters. As usual, we went through a long list of other matters pending.

I called E. T. Grether to let him know that I have succeeded in getting another person (Chuck Smith) for the Consultative Board. He expressed appreciation and said he thinks Smith will be fine.

At 4 p.m. I met with Bob Sproul in my office. I told him about my conversation with Tom Chamberlain and about Chamberlain's concern about the request for the Earl Warren Center. I assured him that it has first priority. In the course of the conversation I told him that Chamberlain made the point that a portion of the Center should be named after Booth.

I asked Bob what he thinks of George Hall as a candidate for Director of International House; he thinks he is a good prospect and seriously interested.

I then met with Carl Helmholtz to talk about Teller's Livermore proposal. We discussed the progress of his Livermore Lab review committee and he promised to send me copies of what Teller has submitted to him.

In the evening I attended the dinner of the Berkeley Breakfast Club honoring our football team at the Berkeley Women's City Club. Supervisor Kent Pursel served as Master of Ceremonies and awards were presented to a number of our players. I spoke briefly, using an amusing joke provided to me by Margaret McConnell today. The joke goes something like this:

"I am going to tell you a story that could never happen at Berkeley, where we have a Phi Beta Kappa coach. It concerns a harried coach whose prize half-back had just received an "F" grade in a math course. In desperation the coach persuaded the professor to give the student-athlete a special make-up examination. The morning of the Big Game, the coach waited breathlessly for the results and when the professor came into the training quarters with exam paper in hand, the coach rushed up to him, demanding to know how the student did. 'It's hopeless,' announced the math professor, 'Look--I gave him the simplest of problems--how much is 7 times 5 and what do you think he answered? Thirty-three!' 'Aw, gosh, prof,' muttered the coach, 'Give him a break. He only missed by one.'"

Wednesday, December 7, 1960

I went directly to the Claremont Hotel this morning to give the welcoming remarks at the Conference of Junior College Administrators being held there. While we were having refreshments prior to the formal opening of the meeting I talked with Harry Kelly (NSF) about the science course for non-scientists project. He still thinks we ought to pursue this and said that the idea of getting nationwide participation is a good one. He disclosed that he already has a proposal from a "second-rate" place and suggested that we could "get him off the hook."

My remarks were the usual sort of thing--the importance of education in a changing world, etc., etc.

On my way to my campus office I dropped by the Men's Faculty Club to pop in on the meeting of the Television Committee there. Ted Sherburne mentioned that it might be worth my while to see some Ford Foundation people when I go to New York to try to convince them to give us a video-tape recorder.

In my office I signed letters confirming the appointments of the following individuals to the Daily Californian Consultative Board: Daniel M. Wilkes and Al Hyman (appointed by me), John R. Hetland, Mario E. Martin (appointed by the Foreign Student Advisor), Charles E. Smith (appointed by the Academic Senate),

undergraduate representatives at large Pete Marks and Nancy Doughery and independent commuter rep Frank Thomas, (appointed by the ASUC President) and Ronald C. Dillehay (appointed by the Dean of the Graduate Division).

At 2:45 p.m. I met with Mr. O'Brien and Mr. Fairbanks of IBM, who had just been to see Rene deVogelaere and other people in the Computer Center. I told them that our Advisory Committee is in the process of making long range plans, that yesterday at the Chancellor's Cabinet meeting we discussed the possibility of getting a new IBM 709 with its auxiliary controls at various parts of the campus, that our main problem is one of financial support, that we want more money from the state to support the Computer Center staff and faculty on joint appointments, and that I am trying to work with Clark Kerr on this. I also told them that Starker Leopold has taken Bill Fretter's place on this in my office and I took them to Leopold's office to introduce them. They continued their conversation with him.

Beginning at 3:15 p.m. I presided over the meeting of the Academic Advisory Committee. The first order of business was a report by Ed Strong on the reorganization of the curriculum of the School of Criminology. He emphasized particularly the recommendations that the program be based on (a) a more sociologically oriented undergraduate major in Criminology, (b) an undergraduate major in Criminalistics representing essentially retention of Paul Kirk's program, (c) a professional Master's Degree, as at present, and (d) establishment of a curricular foundation for possible future M.A. and Ph.D. work, recognizing that the latter, if developed, could only take the form of a major field specialization appropriate to Ph.D. programs in other Social Science departments. After some discussion, the Committee accepted the report in principle.

Sandy Elberg then made an oral progress report on the course offerings in Biophysics. He summarized the recommendations as follows:

- "(a) establishment of a small department of Biophysics as nucleus for future growth in the field;
- (b) retention of the existing interdepartmental committee for graduate work in Biophysics;
- (c) elimination of the present curriculum in Bioradiology;
- (d) departmental status for the present division of Medical Physics."

I noted the importance of providing departmental focus for new developments in Biophysics, in order to overcome difficulties in obtaining funds and space for research activities which on the basis of the present organization must be administered interdepartmentally. I expressed some doubt about the justification for a separate department of Medical Physics.

The meeting adjourned at 4:45 p.m.

Helen took Dianne to Dr. Jennings for a check-up this morning and attended the Happy Valley Parents Club meeting at Stanley School this evening.

Thursday, December 8, 1960

I went directly to University Hall for my 9:30 a.m. meeting in the President's Conference Room there with Elmo Morgan, Jim Corley and Harry Wellman. We talked about a wide range of subjects.

In response to a question about fire protection for the campus, Corley informed us that the state won't support it- he's tried enough bills to test that. We then went into the question of maybe providing a building, land and equipment if the City would provide the rest. We talked about having it located at the corner of Oxford and Hearst (where Chief Moeller wants it). I told them neither corner there is possible. Then we talked about the possibility of buying a lot, but didn't pursue that. There are three avenues through which we could explore funding: 1) a specific bill through the legislature for building and equipment (2-3 trucks), 2) AEC partial support (based on the fact they could help out the Rad Lab), and 3) University funds.

I made a big pitch (using words like "desperate", "frightening", etc.) for a high priority for Residence Hall #3. Wellman indicated that there might be a ray of hope: they have permission from Sacramento to buy the land. He also said that the state is more generous on how we spend the funds within the \$48 million and that it would probably be okay if we can do anything out of our part of the money. It might be that we could be all poised for July 1962 (i.e., the fiscal year 1962-63 budget), still moving all the time on architects, etc.

We also talked about residence hall fees. There is a difference of opinion between Wellman and Morgan on this. Wellman wants uniform fees for all campuses and Morgan thinks campuses should have individual fees. Morgan will try to sell Wellman on a spread--as a compromise--i.e. maximum fee and minimum fee.

They brought up the memo to the Berkeley campus on the Ford Plant, which we are taking over as of tomorrow. A committee will be appointed to look into its uses.

Corley said that he has told Tom Cunningham to go ahead on the draft of a federal legislative bill for support of the LHS.

At 10 a.m. there was a change-over of people in the President's Conference Room. The second meeting of the morning which I attended there was between Wellman, Loren Furtado, Kirk Rowlands, Ed Strong and Errol Mauchlan. Strong and Mauchlan made an argument for a request for the Berkeley Library in a much smaller amount but for the same purpose as UCLA's \$2 million. Wellman seemed to go along.

I said that there have been persistent rumors that everyone is keeping supplemental NDEA money, overhead money, NSF money, etc.--unlike Berkeley, where such money goes to Statewide. I said I don't want the Berkeley practice stopped entirely so that we can't get overhead money for wastebaskets, etc., but that if others are getting some campus money directly, we also should be allowed to do so. I made the point that the latitude for action should not be decreased. Wellman, Furtado and Rowlands professed not to know anything about this.

I also made a pitch for the computing budget and referred to the memo I wrote in September which seems to have got lost in Statewide. I told them to check it as it expressed my feelings on the whole thing. I asked Mauchlan to get together some material on the Fiscal Year 1961-62 budget (specific figures). More state support is needed and we are probably going to make as many additions as we can in the departments, but computing people would have to transfer 0.5 FTE to the Computing Center when it gets the money for its

budget. I told them that I am going to fill in a number of other needs this way, too--History of Science professor, Criminology, etc.

I brought up the lack of logic of allowing the Space Sciences Laboratory to almost fold up when they are bringing in money all the time in a pile-up of overhead which goes into the University Fund. I said that this seems to defeat its own purpose. They agreed and then said that support for the Space Sciences Lab might come out of the Research Fund, which is a fund consisting of income from contracts and grants.

I received a call from Ed McMillan at about 1:30 p.m. He told me that he has heard rumors that John Graham or Robert McKinney or Thomas Murray will be named the next Chairman of the Atomic Energy Commission. We both feel that any of these three men would be a very poor choice. McMillan suggested that I call Ed Pauley to try to forestall this. He thinks Gene Zukert or Jim Killian would be okay.

I also described to Ed the future plans for the siting of the Space Sciences Laboratory in the Radiation Laboratory area and for their use of Radiation Laboratory shops. McMillan said that he had not heard of this before and would like to discuss it further at a meeting of the Associate Directors.

I then phoned Harvey White to ask him whether I should arrange for him to see Pauley about the bill for the Lawrence Hall of Science. He said he would let me know tomorrow because Lee McLean is not back yet. I told him that we are adding a submittal letter to the AEC and agreed to deliver it to Harvey so that it can now finally be sent out. I also told him that I will let him know if Kerr wants him to attend the Regents Meeting.

I read a nice letter from George Kistiakowsky, which said:

"The initial reception given the report of your Panel on Basic Research and Graduate Education should be a source of real gratification to all of us, and I wish to extend to you my sincere thanks and congratulations. The President particularly appreciated your work in the preparation of the report and by means of a personal note asked me to express his thanks to you and other panel members for the thorough and thoughtful study you carried out.

You will be interested to know that the report is being given wide distribution within the government by the Federal Council for Science and Technology, and is also being mailed to over 13,000 individuals--associated with universities, foundations, and industrial firms. I hope this will result in building up such strong public support behind the thesis of the report that its recommendations will be adopted as guidelines for national policies. This will be the real reward for your untiring efforts."

A memo from Bob Kreidler also received today said:

"This memorandum is to inform the Panel of the wide distribution of the report "Scientific Progress, the Universities, and the Federal Government." The report is being distributed to some 10,500 university presidents, graduate school deans, science department heads, and other university administrators around the country. Several thousand additional copies will be mailed to scientific journals, science writers, industrial

firms, and private foundations. Moreover, Science magazine will reprint the entire report in its issue on December 16, and Higher Education--a publication of the Department of Health, Education and Welfare--will carry a reprint of a major portion of the report in January."

Because of the time difference I delayed beginning my Student Office Hour for a few minutes in order to call Bob Kreidler before his quitting time and ask him to send me about 40 copies so that I can send them to the Regents and others.

The first student to attend my Student Office Hour was Margaret Wilson, who mainly just wanted to talk. She said that she and others of the whole Senior Editorial Board are trying to decide whether to re-apply for positions under the new set-up and that there are some differences of opinion. Some feel that this would be a failure to adhere to their principles. I indicated that on the basis of the argument that I had overheard between her and Steve Pace, I doubt that the Senior Editorial Board would be acceptable as a unit. She quickly agreed that this would be impossible and that it would have to be on an individual basis. I encouraged her to re-apply and hinted that although I don't have any control over the Consultative Board other than through my representative Dan Wilkes, I might be able to get her some support through him.

I said that the appointment of the Consultative Board is pretty much beyond my control but that I had deliberately appointed a representative from the Chronicle, having in mind the wishes of people like herself. She said that there are rumors, which Dan Silver believes to be true, that there have been power politics from the administration in the whole Executive Committee-Senior Editorial Board controversy and that we had tried to engineer the events as they happened. I think I succeeded in pointing out the absurdity of this to her by recalling some of the steps and our conversations as they took place. She said these rumors also include the implication that administration pressure has been brought to bear in the choice of the Consultative Board and I pointed out once again how little appointive power we had in this connection. She said there are also rumors that the student members of the Judicial Committee are being intimidated by the administration. I pointed out the absurdity of our being able to intimidate the faculty representative and said that, to my dismay, I hardly know the student members of the Judicial Committee, so I could hardly have any effect on them. I also said that I haven't even met any of the present editorial board of the Daily Cal. I said that the only wish we have with respect to the Consultative Board is to get judicially-minded people with no preconceived notions about taking sides and that if we had any effect at all on the selection of the members of the Board, it was minimal and only with this aim in mind. She ended up by saying that, as usual after a conversation with President Kerr or with me, she can't see any basis for these rumors. She indicated her pleasure at having the opportunity to talk.

Since Margaret and I had talked for over half an hour, the second student didn't get into my office until about 2:50 p.m. Robert Thompson wanted to know if there is anything he could do to save Bacon Hall. I referred to the piece in this morning's Daily Cal to indicate my familiarity with the problem and, after some description of campus procedures, indicated that there isn't any hope and that a student petition would be a waste of time. He suggested that the student cafeteria should be open in the evening so that students could go in and have a cup of coffee and have a place to talk while they are drinking it. I said that I will pass this suggestion on to the proper people

and let him know their reaction to the suggestion. (I took down his address so we can write him when we get some response.)

The last student for the day, Rowland Stanly, came in at 3 p.m. He wanted to know why the University of California, "the greatest in the world", can't solve the problems of having a flight instruction program, saying that he represents the view of many air cadets on this. He said that Captain Schimberg feels that it is due to an unwillingness in the Business Office. Schimberg told him that 100 of the 170 schools that offer Air Force ROTC have flight instruction programs, including even state colleges like San Diego State. According to Schimberg, the Air Force has acceded to all but a few of the demands of the Business Office but can't accede to all of them and haven't done so at other schools where flight instruction is offered. He thinks that a great university like ours should be able to overcome these objections if little state colleges can.

I signed two memos drafted by Adrian Kragen. One went to Elmo Morgan requesting the Regents to authorize a compulsory residence hall student government fee to cover the cost of the operation of the student government organization and the social functions conducted by the hall, the amount of such fee in each instance to be subject to the approval of the Dean of Students, but such fee, in any event, is not to exceed \$12 per annum.

Another went to President Kerr passing on the proposal that (quoting a memorandum from the University Students Cooperative Association):

"The USCA would attempt to raise capital necessary to construct housing for some 928 men and women students at a cost of between four and five million dollars. This plan proposes that the University support USCA fund-raising efforts and approve expansion of cooperative housing at Berkeley. The University was requested to provide the required parking and campus playfield facilities to meet density requirements and to help acquire certain needed land.

I added my own endorsement of this:

"I approve the recommendation of the Committee and urge that the request be submitted to The Regents for approval. The need for additional housing for students on the Berkeley Campus has been explored in great detail and it is clear that the type of housing supplied by the cooperative meets a definite need for low cost housing on campus. There is no question that the University could administer and handle on this campus low cost housing in its own program, but in view of the need for the type of housing which we now have in our residence halls and the possibility of obtaining such housing, and the fact that it is recognized it will be difficult to obtain this type of housing, I believe that the encouragement of the USCA in their project is important. It would appear that the only obligation to the University in addition to some land uses is relatively small and that if the USCA could raise private funds for this purpose, we would have an important additional housing facility available to our students."

I also signed a very long memo to Kerr outlining in considerable detail the history of the negotiations to acquire Newman Hall.

A note arrived from Jack Gofman reminding me that I told him that I expected the question of our patent claim on U²³³ to be considered by the Regents at their last meeting and asking what is happening. I will let him know that the Regents weren't interested.

I learned that there was a rally this noon in Sproul Plaza, sponsored by SLATE, to organize a petition to Congress urging the abolition of the House Un-American Activities Committee.

At 4 p.m. I attended a reception at University House hosted by Clark Kerr in honor of visiting Indonesian dignitaries.

Kerr and I talked about the possibility of limiting enrollment in the Law School. He suggested that we handle this informally, saying that he is afraid to take it to the Regents since it then becomes a public matter. I commented that we may have been taking his directive on enrollment too seriously, in Architecture as well as Law and other places. He made no response to that comment.

Helen attended the Women's Athletic Association Field Week dessert party this evening in Stephens Union.

Friday, December 9, 1960

I spent most of the day up on the Hill at the Radiation Laboratory. While there I made a final check on the Encyclopaedia Britannica articles under the headings: transuranium elements, americium, berkelium, californium, curium, einsteinium, fermium, mendeleevium, neptunium, nobelium, and plutonium. I dictated a letter to the editor describing the controversy over the discovery and naming of 102 and making some suggestions about how it might be handled in the encyclopedia.

At 1:30 p.m. I met with William Bishop (University of Oregon) and Bentley Edwards (UCB School of Education). Dean Brownell, Edwards and others in our School of Education are interested in conducting research in science education. This might be carried on in a newly created center in the School of Education or, as a result of recent conversations with Harvey White, might be located at the Lawrence Hall of Science, operating cooperatively with the School of Education. Bishop is interested in associating himself with the project. It was suggested that Edwards could act as principal investigator for a grant that might be supplied by the U.S. Office of Education. They have in mind a project of testing in connection with the operation of the PSSC course in physics.

I suggested that it would be much more appropriate (and they would have a greater chance of getting support) if their program involved CHEM Study. They readily agreed, not having heard very much about CHEM Study before and hence it hadn't occurred to them to do it this way. They inquired about how to learn more about CHEM Study before writing up their proposal so I referred them to George Pimentel.

I then met with Bob Rice (Berkeley High School) to talk about his future employment at the Lawrence Hall of Science. He is interested in joining the staff of the Lawrence Hall and could start as early as next summer.

After my meeting with Rice, I called Harvey White to talk with him about the Lawrence Hall of Science. We reviewed the status of the U.S. congressional bills for the \$3 million support of the Lawrence Hall of Science and discussed the question of whether he should go down to see Ed Pauley next Wednesday afternoon. We left it that, if Tom Cunningham has the bills ready in time, he

will go talk with Pauley, for which I could make the arrangements as late as Monday or Tuesday.

I told him about my interview with Bob Rice. He agreed with my point of view on Rice's continued connection with University Extension. He felt, however, that Rice should start as early as next summer because it will be necessary to begin planning the educational features of the Hall as soon as the architectural competition is completed. We left it that we will defer decision to the latest time consistent with Rice's needs to make his own plans and to notify the Berkeley Board of Education. Rice's present salary at Berkeley High is just under \$10,000 and he receives \$5,000 from University Extension for his summer work. We agreed that nine months' University salary of \$10,000 would be appropriate and that he could continue for the first few years with the summer Extension work; when his services are needed for the summer we will increase his salary accordingly at the Lawrence Hall of Science. White suggested that the need for setting time schedules, like that for Rice, is getting urgent and he feels the need for an advisory committee. We considered membership of White and me, Ed McMillan, Starker Leopold and Dan Wilkes.

I signed a note to Kerr informing him of our plan to submit two identical bills simultaneously to the two houses of Congress and enclosing a one-page summary of plans for the Hall.

When I arrived at my Chancellor's Office shortly before 3 p.m., I signed another note to Kerr, which was to be hand-delivered to him immediately. The memo provides information and comments about the proposal to reorganize the Graduate Divisions and establish a new standing committee of the Academic Senate, known as the Graduate Council of the Academic Senate. I commented:

"...the Graduate Council of the Academic Senate (GCAS), which shall exercise coordinating functions among the divisional graduate councils and graduate divisions, and such other powers as may be delegated to it by the Senate. Subsequent provisions, however, make it clear that the GCAS will in fact also exercise administrative functions."

We predict that vigorous opposition will be voiced in meetings of both the Representative Assembly and the Legislative Assembly so I attempted to summarize the provisions of the legislation as well as the two points of view for Kerr.

Dick Erickson called at about 3 p.m. to invite Helen and me to appear at the Hearts and Scholars Dance of the West Contra Costa Alumni Club at the Mira Vista Country Club on Saturday, February 5, 1961. I accepted.

Beginning at 4 p.m. I hosted a gathering for faculty and distinguished visitors to the campus at University House. Walter Millis (Fund for the Republic), who is visiting our Political Science Department this week, was our guest of honor. Given his interest in arms limitation and control, we made that the subject of our informal discussion. Attached is a list of those who attended.

Helen and I hosted a dinner party for faculty at our home in Lafayette this evening.

List of Attendees at Coffee Hour December 9, 1960

Political Science Department

Charles Aikin
Eric C. Bellquist
Thomas C. Blaisdell, Jr.
Bertrand deJouvenel
Ernst B. Haas
Peter H. Odegard
Paul Seabury
C. Dwight Waldo

Economics Department

Roy Radner
Paul S. Taylor

History Department

Armin Rappaport
Raymond J. Sontag

Business Administration School

Frederick E. Balderston
Julius Margolis

Psychology Department

M. Brewster Smith

Others

Hardin Jones
John O. Rasmussen
Arthur C. Rosenfeld
Emilio Segrè
Edward Strong

Saturday, December 10, 1960

Today was a fairly quiet day around the house. I read some Chancellor's Office memos in my study during the afternoon. Among these were 39 progress reports for Major Capital Improvements on the Berkeley campus submitted by Louis DeMonte.

In the evening Helen and I went to the Chemistry Department Christmas party at the 20th Century Club.

Sunday, December 11, 1960

Stan Thompson and I played nine holes of golf at the Contra Costa Country Club today. Stan shot 46 and I, 48.

Monday, December 12, 1960

I went to the Radiation Laboratory this morning, then dropped by my Chancellor's Office for a few minutes before heading over to San Francisco.

This morning's Daily Cal carried a story about the marathon six and a half hour meeting the Consultative Board held yesterday to discuss changes to the Daily Cal By-Laws. According to the paper, the board made very few major changes in the by-laws as proposed by Ex Com but made many wording clarifications. They hope that Ex Com will approve the by-laws at its meeting tomorrow night.

The American Nuclear Society meeting was held at the Mark Hopkins Hotel, where I attended the luncheon in the Peacock Court, held a press conference, and then spoke at 2 p.m. on "The Transuranium Elements". I announced the preparation and identification of the first pure compounds of californium by Burris B. Cunningham and James C. Wallmann at the Radiation Laboratory, describing how the three californium compounds--californium trichloride, californium oxychloride, and californium oxide--were prepared by treatment with hydrochloric acid and steam at high temperatures. I said that the feat of carrying out identifiable chemical reactions with such minute quantities of material--samples weighing about a ten-millionth of a gram--was accomplished as a result of the extraordinary perfection in the past year, by Cunningham and his colleagues, of techniques for working on "submicrogram" scale. I also provided an outline of the present status of research on the transuranium elements and commented on attempts to create still more elements.

Back in my Chancellor's Office late in the afternoon I called Ed Pauley, who said that he has heard from Fred Dutton and that I should call Dutton about an appointment with Sarge Shriver in Washington, which I will do tomorrow.

In the evening I went to the Alumni Association Christmas Party at Alumni House.

Tuesday, December 13, 1960

In my Chancellor's Office this morning I read a letter from Supreme Court Justice Felix Frankfurter:

"My dear Chancellor Seaborg:

On many scores I would derive pleasure, satisfaction and stimulus were I able to accept the invitation with which you honor me. The University at Berkeley and life in San Francisco have old associations for me and special appeals. Unfortunately, however, circumstances which I cannot change preclude my giving the Jefferson Lectures. During the Term, which corresponds with your academic year, I could not absent myself for a week from duty here, and, in any event, an invalided wife would prevent my doing so.

With deep appreciation to you and the Faculty Committee for wanting me to give these Lectures, I am

Very sincerely yours,
(s) Felix Frankfurter"

A letter from Olin L. Browder, Jr. (Chairman of the Board of Control of Student Publications of the University of Michigan) to Alex Sherriffs in response to his letter to them of November 21st states:

"I was disturbed to read your charges in respect to Mr. Hayden's editorial in the Michigan Daily. Having talked with him, I am satisfied that there was no deliberate intention on his part to distort the circumstances referred to in his editorial. It is also clear to me that he holds a sincere belief that he did not in fact do so. In view of the intricacy of the problem to which the editorial relates, it does not seem to me to be appropriate for us at this distance to pass any judgment upon it or upon Mr. Hayden's appraisal of it. By this I do not mean to imply an acceptance of his views or a rejection of your charges, or that he is without fault in the matter.

Fairness to you and to your institution would seem to require, however, that your objections to Mr. Hayden's editorial be given the same publicity as the editorial itself. Mr. Hayden is ready and willing to publish your letter in the Michigan Daily. I have encouraged him to do so, and have expressed the opinion to him that I could not imagine any reason why this disposition of your complaint could be anything but gratifying to you. But since your letter was addressed to the Board, and not to him or to the Daily, he would prefer to extend to you the courtesy of withholding publication until you have had the opportunity to express an objection, if you have any. You need not reply if you have none.

I regret that this difference had arisen between you and our editor. Your letter of course will come to the attention of the Board."

Sherriffs is going to ask that his letter not be published.

At 11 a.m. I met with Charles Hulten, who wanted my reaction to the report of the Advisory Committee on Educational Television. I told him of my talk with Paul Sheats at the statewide television meeting and said that there is a committee working on the replacement of Ted Sherburne (who is leaving us to accept a position with the AAAS in Washington, D.C.). I also passed on Sheats' contention that educational television is not part of University Extension, but is under the statewide coordinating committee, of which he happens to be chairman. Hulten said he thinks it is important that Ken

Winslow report more directly to the Chancellor's Office. We also talked about the Committee on Student Housing report. He wants us to get Residence Hall #4 as soon as possible- I explained our difficulties getting Residence Hall #3.

I then met with Robley Williams, who gave me an oral report on the AAWU meeting, which he will follow with a written report providing more detail.

Robert Hudson (National Educational Television network) called to say that I apparently voted "no" on their proposed resolution on the extension of the NDEA. I told him that this was a mistake and that he should change it to "yes". He also told me about the Pablo Casals film (covering his appearance on the Berkeley campus) that is going to be shown on the educational television stations at the end of January, which they would like previewed by some key people like Clark Kerr. I told him he should speak with Ted Sherburne to make arrangements for this.

All members of the Cabinet were able to attend our meeting at noon today. We discussed a letter from the Special Advisory Committee on ROTC (which is chaired by Douglas Chrétien) requesting a statement from me on the University's point of view on picketing of classes (in connection with the proposed picketing of ROTC at 11 a.m. on Thursday). It was agreed that our reply will be in the form of a letter to Chrétien from Sherriffs, stating "that it has always been University policy that there shall be no interference whether by noise or by action with the normal progress of the classes of the University." A copy of both Sherriffs' and Chrétien's letters will be given to the Daily Californian.

It was agreed that Jim Hart will be appointed to the Dupree committee on the selection of the Art Gallery Director to replace George Stewart, who is going on leave next semester.

Dan Wilkes reported on the meetings of the Daily Californian Consultative Board. New by-laws are being recommended to the Executive Committee and procedures for selecting the new staff are being made. He expressed satisfaction with the way things are going; only a couple of items are yet to be ironed out.

Jack King (Publications Office) has reported that the Registrar has a suggested new price of 50¢ (48¢ + 2¢ tax) for the new catalogue. This new price was approved.

Starker Leopold reported on the meeting with the Administrative Committee of the Graduate Council which has been working on a policy for a joint Ph.D. degree with state colleges, as called for by the Master Plan. Clark Kerr has asked the two graduate councils to work out a recommendation for implementation. Leopold will present the Committee's recommendation to the Graduate Council at its next meeting. If adopted, it will go to the president.

Sherriffs read the Cabinet his letter from the University of Michigan Board of Control of Student Publications and gave his reasons for electing not to have his letter published.

He informed us that SLATE has placed an advertisement in the Saturday Review for its long-playing record "The Sounds of Protest". Alex has asked Tom Cunningham for an opinion on whether or not this is improper use of the University name.

Adrian Krage told us that he has talked with Van Dusen Kennedy in an attempt to have him withdraw the request of the American Civil Liberties Union of Northern California for an all-day Saturday conference on "civil liberty problems raised by activities of the House Committee on Un-American Activities". Since Kennedy asked that he be allowed to state his position if the request is to be turned down, Ed Strong will talk to him and will suggest strongly that it be sponsored by members of the faculty with both sides discussed.

Errol Mauchlan discussed the proposed policy on the incidental fee, an item on the agenda of the December CCCO. It was agreed that we favor retention of the present structure of a uniform fee, but if we are not to have a uniform fee, we should fight for the principle that the same statewide policy should cover grant and contract overhead, summer session, residence halls, etc.

Regent Simon and his two sons have given about \$128,000 to the University without designation as to the purpose or the campus. It was agreed that we should request that it be used for the Berkeley campus for graduate fellowships in the humanities.

At 3 p.m. at San Francisco State's downtown center on Powell Street I delivered a lecture on "Science and the Atom", illustrated by slides, to the 300+ participants in Atom Fair High School Student Day, a conference for selected high school students sponsored in connection with the annual meeting of the Atomic Industrial Forum. After a question-and-answer period and a short speech by Charles Robbins (Executive Manager of the Atomic Industrial Forum) the students took a tour of Atom Fair-West, an interesting exhibit on atomic products and developments.

When I returned to my office, I called Scott Newhall (San Francisco Chronicle) to thank him for his generosity in letting Al Hyman serve on our Consultative Board. (I also remarked on Hyman's generosity in so serving.) I mentioned the six hour meeting on Sunday, saying that I think his duties will be less arduous in the future. He said that he is pleased and will make a point of passing on my comments to Al.

I also commended him on having a man like science writer Dave Perlman, who understands science so well and said that I was particularly pleased to see an article in the social science area like the story on Herbert McClosky. He was pleased to receive this commendation and mentioned that he and Ruth and Helen and I ought to get together for dinner sometime after the holidays, which I said I would look forward to.

I met with Wendell Stanley at 5:30 p.m. He described to me the continuing problems of relations between his Virus Laboratory and the Department of Biochemistry. We walked together over to the Faculty Club for the "hospitality hour" given by the Friends of the Faculty Club prior to the annual Faculty Club Christmas dinner.

I had to leave the dinner early in order to preside over the Christmas University Meeting at Harmon Gymnasium. Willard E. Farnham (Professor Emeritus of English) delivered the traditional Christmas message and there was the usual Christmas music performed by the University Orchestra and the University Chorus. Unfortunately (since the music was, as usual, excellent), there was not much of a turnout. I wish we could find a way to attract more

students to this Christmas University Meeting--perhaps we will have to switch it back to the daytime as it was years ago.

Wednesday, December 14, 1960- Berkeley- Santa Barbara

I went directly to the Radiation Laboratory to attend the meeting of the Associate Directors there. Among other things, we discussed the relationship between the Laboratory and the Space Sciences Laboratory.

When I arrived at my Chancellor's Office, I signed a number of letters that had been prepared for my signature. A letter of congratulation went to Robert S. McNamara, a UCB alumnus who is leaving his position at Ford Motor Company to accept the position of Secretary of Defense in the Kennedy administration.

I also dictated a letter to Dave Perlman, complimenting him on his story on californium and his story on our PSAC panel report. I also noted with pleasure his social sciences story on McClosky.

I was glad to read that Harry Wellman has approved the request from Warren E. Henry (Lockheed Missiles and Space Division) to use the facilities of our Low Temperature Laboratory to conduct certain high magnetic field studies on the properties of materials under Bill Giauque's supervision. I would like to see the University involved in more cooperative research efforts with industry.

A memo from Gordon Mackinney passes on the word that the Educational Policy Committee has no objections to raise against the establishment of the following institutes: The Institute for Management Science, The Center for Operations Research and The Center for Society and Law. He informed me that:

"The Committee on Educational Policy is in the process of establishing criteria for evaluating the merits of the numerous proposals for new institutes and all other designations, including centers, nuclei, programs, for research activity which is to be organized outside the departmental structure.

This burgeoning of institutes will have its effect on faculty size and effectiveness, and the consequences cannot be appraised until, for example, decisions are made on the trimester plan, and other proposals now pending.

There must ultimately be a limit to the number of institutes which can be established, and we hope soon to clarify what we believe to be the role of the Committee on Educational Policy in advising on these proposals."

Beginning at 12:15 p.m. I presided over the meeting of the CAAC in the Chancellor's Conference Room. Guests included David Blackwell (Chairman of the Department of Statistics), Travis Bogard (Acting Chairman of the Department of Dramatic Art), Charles M. Gilbert (Chairman of the Department of Geology), Jacobus tenBroek (Chairman of the Department of Speech), James J. Parsons (Chairman of the Department of Geography) and Charles R. Wilke (Chairman of the Department of Chemical Engineering).

I began my report by commenting on the purchase of the Ford plant in Richmond, saying that the purchase was made in good faith and with mutual agreement on the sale. I stressed that the plant will be used for more than "the storage

of old books", which some have feared. Potential uses include: establishment of a printing plant on the first floor; installation of Purchasing and Storehouse departments for the handling of new and used equipment, office furniture, and for the sale of obsolete scientific and plant equipment; housing of over a million library volumes plus space for the library repair bindery; establishment of the University Press functions of book storage and shipping, and shipping of all package mail. I noted that in addition to the plant, the purchase includes 40 acres of land.

I mentioned the discussion at the last CCCO meeting about the Alonzo Church case, cautioning against making offers of this type to visiting faculty and particularly against the dangers of more than one department competing in the recruitment of faculty. I suggested that the Budget Committee should be consulted immediately if such a conflict becomes apparent.

I reminded them of one of the resolutions made at the 15th All-University Faculty Conference, "The Research Function of the University", held at Riverside last April:

"Each campus is requested to formulate recommended objectives peculiar to the interests, capabilities, environment, to be carried out during the next ten years, and a report on these objectives is to be communicated to the President within one year for statewide coordination and appropriate action."

I concluded my report by briefly reviewing the agenda for today's meeting of the CCCO.

Alex Sherriffs then presented his student affairs report. A review of the history and progress of the Daily Cal Consultative Board was followed by a discussion of the student picketing to protest compulsory ROTC. Alex emphasized that the University has no regulation which relates specifically to picketing. The University's concern is that nothing should interfere with the normal teaching of a class or with the movement of people on campus. The student political party, SLATE, has advertised for anyone interested in participating in the picketing, indicating that others than SLATE members may take part. The City of Berkeley has an old ordinance against picketing, but it has never been enforced. The question of disciplining any disorderly persons at the picketing was raised; however, a "wait-and-see" decision seemed most appropriate to CAAC members.

For his final item Sherriffs informed the group of the phonograph album being advertised for sale by Slate in the magazine the Saturday Review and in student newspapers. The advertisement reads as follows:

"Five thousand persons demonstrated against the House Un-American Activities Committee in San Francisco in May of this year. Their concern was violation of constitutional rights. Their dissenting voices spoke in your interest--they should be heard. Listen and understand why they are being joined by others across the nation. The demonstrations of that week were recorded along with excerpts of testimony and have been reproduced on a 12-inch l.p. recording by SLATE, a university political party concerned with the protection of civil liberties and civil rights. Copies of this recording are available to you now..."

Footnoted is the statement "An officially recognized student political party at the University of California." Sherriffs noted that the same misinterpretation of events engendered by the film "Operation Abolition" would be engendered by the recording, no matter what its purpose. We adjourned at 3 p.m.

I then was interviewed by Jonathan Rinehart of Time magazine. He asked general questions, none of them unexpected.

My flight to Santa Barbara (United #398) left San Francisco at 6:10 p.m. and arrived at 8:20 p.m. I went directly to the Santa Barbara Biltmore and checked in, having arrived too late for the meeting of the CCCO.

Thursday, December 15, 1960- Santa Barbara and Home

I spent the day attending Regents' committee meetings: the Subcommittee on Architecture and Building Plans and the Special Committee on New Campus Sites of the Committee on Grounds and Buildings.

At 4 p.m. I delivered a University Lecture to the public on "Energy Sources for the Future" as part of UCSB's University Lecture Series. This is part of a University Lecture series and I was introduced by A. Russell Buchanan (Vice Chancellor for Undergraduate Affairs at UCSB).

After the lecture I attended a cocktail party hosted by Mr. and Mrs. T. M. Storke, Regent and Mrs. Samuel B. Mosher and Chancellor and Mrs. Samuel B. Gould at the Santa Barbara Biltmore Hotel.

At 7:30 p.m. I attended a joint dinner meeting of the Regents' Committee on Educational Policy and the Committee on Student Affairs, which was also held at the Biltmore. Kerr described a plan, which was subsequently approved for recommendation to the Full Board, to establish 25 tuition scholarships each year for foreign undergraduate students from underdeveloped countries, to be increased in number and divided among the University's campuses in proportion to the number of foreign students enrolled at each, until a maximum of 100 scholarships is reached.

I spent the night at the Biltmore once again.

Friday, December 16, 1960- Santa Barbara

Today's Santa Barbara News Press carried a story (copy attached) about my lecture yesterday.

I attended the Regents' Committee on Finance meeting at 10 a.m. Vice President Jim Corley presented a report on federal and state legislation, as follows:

- 1) "It is recommended that the University join with the Board of Trustees of the State Colleges and the Coordinating Council on Higher Education in supporting changes in the State Education Code which are intended to provide the Board of Trustees with the full responsibilities recommended under the Master Plan."- voted to support.

December 16, 1960

DR. SEABORG SPEAKER

Nuclear Fission Labeled Energy Source of Future

Dr. Glenn T. Seaborg, who is renowned as a scientist, public citizen, and educational administrator directed his attention to his academic field yesterday when he delivered a university lecture on "Energy Sources of the Future" at the University of California at Santa Barbara.

The visiting lecturer, a Nobel prize winner in chemistry nine years ago and now chancellor of the Berkeley campus of the University of California, outlined to a responsive and inquiring audience the sources of energy that we are presently using. He then focused his discussion on those energy sources which will become increasingly important to mankind in the future.

POWER NEEDS DOUBLE

Chancellor Seaborg brought out initially that with a population increase in the U.S. of 1½ per cent per year, electric power needs will double every 10 years. He also stressed the importance of developing energy sources in underdeveloped countries.

Energy that we now use, Dr. Seaborg said, comes mainly from fossil fuels—coal, wood, petroleum, and natural gases. Although the per capita use of this type of energy in the U.S. is several times that of the European countries, the lecturer went on, we have enough of this type of energy to last us

well into the future. However, the cost of fossil fuels continues to rise tremendously and will probably double in the next 50 years.

URANIUM KEY

This prohibitive cost, Dr. Seaborg said, will cause us to turn to another source of energy, namely, the nuclear energy fission source. This will be used predominantly to get electric power. Uranium is the key element in this source. The uranium source uses directly the energy locked up in the nucleus of the atom, the lecturer explained. He also said that the amount of energy residing in the nucleus of an atom is comparatively very large.

Illustrating with a pound block of natural uranium, the chemist explained that "if all the nuclei in this pound of uranium were to undergo the 'nuclear fission reaction' an amount of heat energy equivalent to the burning of about 1500 tons of coal would be available." This would be enough energy to keep the needs of a city like Santa Barbara going on the basis of just a pound or so a day, Chancellor Seaborg further illustrated.

2 NATIONS SHORT

Turning to the question of the availability of sources of energy in various parts of the world, the lecturer said that

while in countries like the U.S., Canada, Western Germany and the USSR there is "a sufficient supply of fossil fuels and hydro-electric power to last another 20 years" this is not the case in the United Kingdom and Japan. These two countries must turn to the nuclear fission source of energy in spite of prohibitive costs and difficulties of development of nuclear reactors.

A potential third source of energy mentioned by Dr. Seaborg was the "fusion" source. However, basic laboratory problems in connection with this source have not as yet been solved. The use of "solar power" as a source of energy was also touched upon by the lecturer but he said that scientists would be struggling with the problems of harnessing solar power for some years to come.

Chancellor Seaborg was introduced by Dr. A. Russell Buchanan, vice chancellor for undergraduate affairs at UCSB. The final university lecture of the fall semester will be given after the Christmas recess, on Jan. 3 at 4 p.m. in the classroom building lecture hall. Carl B. Zytowski, associate professor of music will talk at that time on the subject, "Dr. Burney Revisits."

2) "It is proposed that legislation be introduced to provide for the disposition of lost and unclaimed property by The Regents of the University of California or the University of California Police Department."- voted to support.

3) "It is proposed that legislation be introduced to provide for tax exemption on personal property of the stores operated by the associated students."-

There was considerable discussion about the latter legislation. Regent Hagar expressed opposition, in principle, to the further extension of tax exemptions, and opposition, in particular, to requesting such exemption for the student stores. He pointed out that these stores not only make a profit, but are in competition with privately owned stores, and most of them, if not all, are open to the public and sell to the public. He stated that the Regents now are criticized for removing real property from tax rolls, and he could see no reason for subjecting them to further criticism for the few dollars involved here.

Regents Boyd and Forbes agreed, Regent Forbes advising that the student store at Los Angeles each year has made a handsome profit and has been wholly competitive with private enterprise in Westwood. Regent Carter expressed the belief that the proposal will be opposed by organized retailers in the state. He suggested that one way to avoid the problem would be for the Regents to take over the student operations, but there was reluctance on the part of the other members to do this, as the students are very proud of their right to operate the stores.

It was then suggested that the inventories and fixtures might be deeded to the Regents and then turned back to the students for operation. The Committee then directed that no action be taken in regard to the proposed legislation, but that it might be presented for their consideration again in January, together with more information about the costs of inventories and figures.

4) "At the November meeting of The Regents' Committee on Faculty and Staff Relations it was directed that legislation be introduced to extend for an additional two-year period the right of The Regents to transfer PRAS to the State retirement system."-

Vice President Corley noted that the above-proposed legislation, even though introduced early in the session, probably will be classed as an implied appropriation and thus subject to the legislative rule which prohibits the passage of legislation in advance of the passage of the budget, except by special permission of the Governor. He advised that in past years the budget has not been approved until late in May or early in June, and it is doubtful that this year it will be any different. Under the circumstances, an attempt will be made early in the session to obtain a special letter from the Governor which will permit action on the bill prior to approval of the budget.

5) "The proposed Federal legislation for the transfer of Camp Matthews in San Diego to The Regents has been prepared by General Counsel and has been submitted to the City of San Diego and to interested state agencies, and it will be presented to the Congress at the January session."- voted approval.

- 6) "Chancellor Seaborg, Chairman of the Special Committee on the E. O. Lawrence Memorial, has requested that a special bill be prepared for introduction in Congress by the entire California delegation providing for the appropriation of \$3,000,000 to the National Science Foundation for the Lawrence project."-

Corley advised that there will be introduced in the Congress \$5 million appropriation for capital improvements for all universities, and he did not know to what extent the special appropriation here proposed would be in conflict with the general building program. Furthermore, while the National Science Foundation is interested in the Lawrence project, it is also concerned about its over-all budget request. In the light of possible complications, Vice President Corley asked how far the Regents wished him to go in urging the legislation. Pauley answered that the NSF-LHS appropriation is unrelated to any other educational proposal and, therefore, he could see no possibility of a conflict of interest. Carter suggested that, inasmuch as special legislation is involved, it might be advisable to request the entire \$6 million. However, I stated that \$3 million is in line with the type of support the Foundation gives and that I don't think a request for more would be acceptable. They then voted for support.

In the course of the meeting of the Committee on Research Projects, which began at 11 a.m., the agreement with Harvey Mudd College for CHEM Study was approved. Regent Dorothy Chandler raised a question about the history of this, having read of the proposed activity in the newspapers before it was presented to the Committee. Wellman explained that the Committee on Finance had already approved the solicitation of grants for the study, etc.

After the general luncheon and before the meeting of the Full Board of Regents, I called my Chancellor's Office to pass on several messages to members of my staff there. I asked Kitty to let Krage know that I talked with Regent Simon about the money he has given to the University and that he told me that he has in mind using it for some business education and social sciences programs at UCLA. (Nonetheless, I put in a plug for Berkeley.)

I also informed Kitty that no action was taken on the Albany right-of-way and that someone will have to tell Mayor Kathie Zahn and that the lease for Richmond was approved with an exception put in about the renewal of the lease after five years (subject to cancellation, etc.).

I learned that the picketing against ROTC this morning didn't amount to much--apparently, there were more reporters than picketers and not many spectators at all.

I also mentioned to Kitty that we will not be able to spend any more money on the student cafeteria to fix up the outside. She told me that she is quite certain that all the money has already been spent.

I asked Akiko Owen to find out when the new building for the Athletics Department is expected to be completed and to call me back.

The meeting of the Full Board of Regents began at 2 p.m. The Regents passed the following resolution, recommended to the Board by the Committee on Educational Policy:

"WHEREAS, the President of the University has in accordance with the Resolution of The Regents of the University of California appointed a statewide committee of the University to consider and report on the current military training program, has presented the report of this committee to the Department of Defense, and has received the advice and comment of The Department regarding these proposals, and

WHEREAS, an important question has been raised by this committee concerning the need for the military services to provide the opportunity for the majority of the University's graduates, who now enter as transfer students, to participate in the officer commission program, and

WHEREAS, the University is encouraged by the steps that have been taken by the Air Force and the Navy to develop programs that may meet the transfer students' problem, and by the steps that all three services have taken to provide in the program an increase in the percentage of academic courses taught by regular faculty of the University, and

WHEREAS, the new national administration has indicated that it will undertake a comprehensive appraisal of the defense needs of the nation which is likely to affect the role of ROTC:

NOW, THEREFORE, BE IT RESOLVED, That The Regents of the University of California postpone any action with regard to ROTC pending the results of this appraisal; and

BE IT FURTHER RESOLVED That the President of the University shall make a report to the Board of Regents no later than the Spring of 1962 on the status of this appraisal as it affects ROTC programs; and

BE IT STILL FURTHER RESOLVED That in the administration of the present ROTC program, and subject to appropriate changes in the Standing Orders, the Chancellor of each campus be authorized to allow exemption on the same basis as is provided for non-student exemption from selective service."

A very difficult situation developed for me during the Regents Meetings. Two influential Regents, Don McLaughlin and Dorothy Chandler, refused to approve the conversion (which is already underway) of the Student Cafeteria Building to the headquarters of the Department of Athletics. They insisted that the Cafeteria is an eyesore and should be torn down and irresponsibly declared that they didn't care if the Department of Athletics had no quarters whatsoever. Ed Pauley rescued me from this awkward situation by maneuvering tentative approval for the conversion of the Cafeteria to the headquarters of the Department of Athletics subject to our furnishing support information as to the background need, etc., at the March Regents Meeting. I was thoroughly surprised by the callous and irresponsible attitude of Regents McLaughlin and Chandler toward the desperate need for space of our Berkeley Athletics Department; they were willing to literally throw them out on the street.

I caught United Flight #385, which left Santa Barbara at about 7 p.m. and arrived in San Francisco at about 9 p.m. As usual, a University driver met me at the airport and took me home to Lafayette.

Saturday, December 17, 1960- Washington, D.C.

I left San Francisco via United Airlines Flight #804 at 7 a.m. and arrived at Baltimore at 4:10 p.m.

Enroute I read some Chancellor's Office papers which had been given to me by the University driver last night. Ed Strong wrote me a memo describing his meeting with Van Dusen Kennedy on Thursday, during which he informed Kennedy of my reasons for denying permission to use University facilities to hold an ACLU conference on civil liberties. I spent the night at the Statler Hilton Hotel.

Sunday, December 18, 1960- Washington, D.C.

PSAC met at 9:30 a.m. in Executive Session at the Tregaron Center, 3100 Macomb Street, N.W. Isidor Rabi chaired this special meeting. We discussed the accomplishments and future program of PSAC.

Monday, December 19, 1960- Washington, D.C.

The PSAC meeting continued at 9 a.m. in Executive Session in the Executive Office Building. We discussed the items we would present in our final session with President Eisenhower this morning.

Just before 11 a.m. we walked over to the White House to meet with President Eisenhower in the Cabinet Room. It was a general briefing on PSAC business, our final meeting at the end of his administration. The President took special note of my PSAC Panel report, "Scientific Progress, the Universities and the Federal Government", which is now being issued for public distribution.

On the way back to the Executive Office Building with Detlev Bronk to continue our PSAC meeting, I bumped into Clarence Randall, a fellow native of Ishpeming and a steel company executive, who is now working in the White House as an aide to President Eisenhower. We stopped to chat briefly.

After a lunch break, our meeting continued with a report of the High Energy Physics Panel presented by Manny Piore.

I brought up with Alan Waterman the possibility of asking for the entire \$6 million construction cost for the Lawrence Hall of Science instead of the \$3 million in the NSF bill, and he agreed to this approach.

In the evening I attended a cocktail party and buffet supper honoring George Kistiakowsky, sponsored by his staff. George's term as Science Advisor to the President has, of course, come to an end as incoming President John F. Kennedy will make his own appointment to this position. We suspect this will be his MIT friend, Jerome Wiesner. Kisty will presumably continue to serve as a member of PSAC.

I spent the night at the Statler Hilton once more.



Meeting of PSAC with President
December 19, 1960

L to R: (foreground): President Eisenhower, James Killian and Isidor Rabi; (background): Jerome Wiesner, George Kistiakowky, unidentified, Harvey Brooks, Alvin Weinberg, GTS, unidentified, Emmanuel Piore, and Wolfgang Panofsky.

Tuesday, December 20, 1960- Washington, D.C. and Home

I had breakfast in the Mayflower Hotel with Sargent Shriver, President-Elect Kennedy's chief recruiter. His main agenda item was to seek my input on who should be appointed Chairman of the Atomic Energy Commission. I recommended Jim Fisk (President of Bell Laboratories).

I did my best to promote implementation of our PSAC Panel Report on Basic Research and Graduate Education and to stress the importance of improving science education, citing CHEM Study as an important step in this direction.

Shriver told me something about how JFK's cabinet is developing. It was a rather exciting meeting. One gets the impression of a dynamic, new, young energy in this administration.

I then went to the Executive Office Building for the PSAC meeting. We heard a report by W. McDermott on the Technical Assistance Panel's work and then talked about the scientific and military aspects of the geodetic satellite.

I caught the 3 p.m. TWA Flight #61 from Baltimore to San Francisco, arriving there just after 7 p.m.

Wednesday, December 21, 1960

Classes are not in session this week because of the holiday recess so it has been fairly quiet on campus. However, there was a huge stack of papers for me to review after my absence in Santa Barbara and Washington.

I referred a letter from David D. Henry (African Scholarship Program of American Universities) concerning plans for scholarships for undergraduate African students to Clark Kerr, thinking that this may be a matter of statewide, rather than solely Berkeley campus, interest.

I signed a letter to Ed Pauley, informing him that the three architects asked to serve as jurors of the Lawrence Hall of Science architectural competition have all accepted. I enclosed a draft of a letter to be sent to the five architectural firms being asked to compete: Gardner A. Dailey of San Francisco; William L. Pereira of Los Angeles; Eero Saarinen of Birmingham, Michigan; John Warnecke of San Francisco; and Skidmore, Owings and Merrill of San Francisco.

I wrote to Ralph Lowell to indicate my acceptance of the invitation to serve on the Committee of Relations with the Federal Government for the National Educational TV and Radio Center.

I also accepted an invitation to participate in the Panel "Technical Publicity--How to get the Technical Man to Cooperate with the Press and Vice Versa" which will be held at the Mark Hopkins Hotel in San Francisco on April 13, 1961.

I signed a memo to Henry Vaux, acknowledging his letter expressing interest in the Cowell property at Santa Cruz as a site for work by the School of Forestry and informing him that I am sending a copy to Kerr.

Another memo went out under my signature to President Kerr, remarking that the memorandum by John Sparrow to Charles Pettit relating to the sale of alcoholic beverages in the vicinity of campuses brings into sharp focus a discriminatory provision affecting the Berkeley, Santa Barbara and San Francisco campuses as well as the new campuses that are being planned:

"This is the fact that the statutory provision relating to UCLA and Riverside applies only to sale or exposing for sale while that applying to the other campuses by reason of the general provision applies to sale, or giving away of intoxicating liquor. Although this differentiation in the statute has not resulted in a differentiation in enforcement, it would be susceptible to such differentiation and there appears to be no reason why the statute applicable to UCLA and Riverside should not be made applicable generally to all branches of the University."

I read a memo from Adrian Kragen describing his distasteful experience in giving a talk in San Pedro on the circumstances of the May HUAC riot. Kragen feels he was set up by the hostile audience, which seemed to be determined to see the University of California as a nest of Communists. He was rudely heckled by people who wanted to confirm such shocking revelations as the fact that students of economics here read Marx. It was apparently a very negative experience; Adrian warns us against accepting any further invitations from San Pedro.

I read the summary of the plan for reorganization of the Graduate Divisions which was endorsed by the Chief Campus Officers at their Council meeting on December 14th, as follows:

1. That there be established a Statewide Coordinating Committee on Graduate Affairs advisory to the President and reporting annually to the Academic Senate.
2. That this Statewide Committee advise the President on (a) minimum admission standards, (b) maintenance of standards of quality, (c) new programs and degrees, and (d) relations with the State Colleges.
3. That this Statewide Committee inform a campus Graduate Council of adverse recommendations on requests submitted by that Council, thus providing opportunity for response by the Council prior to submission of adverse recommendations to the President and his review of budgetary and other commitments.
4. That decentralization lead to the establishment on each campus offering graduate work of a campus Graduate Council and Graduate Dean, and, in consequence, the abolition of the present multi-campus Graduate Councils.
5. That responsibilities and powers currently vested in the Graduate Councils be retained by each campus Graduate Council in administering graduate degrees and programs. On each campus, the Chairman of the campus Graduate Council shall be the Chief Campus Officer, and the Vice-Chairman shall be the Dean of the Graduate Division."

A memorandum from Ed Strong shares the good news that Dean Stewart agrees with the above proposals. Ed wrote:

"Far from having to persuade Dean Stewart about the desirability of supporting the new proposals, I met with complete agreement on them. He expressed his gratitude for the work we had done in getting them before the CCCO, and his confidence in excellent development of graduate work on the campuses of the University if the proposals are adopted. He said he welcomed responsibility to the Chancellor and that he thought the new arrangements provided the best conditions for maintaining graduate work at Berkeley of the highest quality."

A letter from David P. Gardner (Alumni Field Director) apprised me of the plans for the annual Chancellor's Tour, which will take me to Ukiah, Eureka and Marin County on February 23rd and 24th.

I presided over a meeting of my Cabinet, beginning at noon, which everyone but Starker Leopold was able to attend. I informed them that UCLA Chancellor Franklin Murphy has written me about my PSAC Panel report and is in agreement with its recommendations. He says that we must now convince the Regents that we should use the money from grants to appoint distinguished people to tenure ranks.

I also mentioned my conversation with Alan Waterman about Ed Carter's suggestion that if we are to ask for \$3 million for the Lawrence Hall of Science, it might be possible to ask for the whole \$6 million. Waterman said he had no objection to this.

Although I have read the very long version of the minutes of the CCCO meeting that I missed held at the Santa Barbara Hilton Hotel on December 14th, the briefest summary of discussions there would seem to be the minutes of my Chancellor's Cabinet meeting, at which Ed Strong (who substituted for me there) made his report:

- "(a) Student Housing Program- State will fund eating facilities. Residence Halls are being held out from University budget for special action by the legislature. We need independent financing to get construction underway even if cost per semester to the student must be increased. The request to the legislature will be for \$12 1/2 million. Kragen to look into figures on increase to students.
- (b) Capital Outlay Budget- Will receive \$48 million (\$62 million requested). Prospect for next year is not more than \$50 million. To close the gap a bond issue will be needed (1962 session). Our priorities are not going to be decided at State level.
- (c) Operating budget- Work load was agreed to; uncertain as to merit increases and promotions as additional to workload.
- (d) Attendance of staff at Regents meetings- Only individuals that have to be in attendance, as Regents are concerned about needless attendance, costs in manpower, time, congestion of meeting room. All actions taken by Regents will be distributed to campus immediately following conclusion of the meeting for arrival at campus in Monday morning mail. CCO need not attend Regents meetings unless needed to present some item.
- (e) Reorganization of Graduate Division ...[already covered in greater detail earlier on this date]

- (f) Review of academic plan- This is to be a simple revision of our present projects, using certain weightings agreed upon and student faculty ratio of 16 to 1. A statewide memo will give exactly what is to be done. Strong and Mauchlan working on this. We should be particularly careful in organized research.
- (g) Year-round operation of the University- The hybrid plan of 2 semesters and 12 weeks summer was approved for Berkeley and UCLA in 1962 as experiment for one year. If it doesn't succeed we will probably be faced with the tri-semester system.
- (h) Administrative stipends- The Wellman proposal relates to full-time Deans and Strong is drafting letter in order to iron out matter of remuneration.
- (i) Incidental fee- Present structure is to be retained."

After Strong's report I described the action taken by the Regents on retaining the cafeteria for the Athletics Department as the result of Regent Pauley's last minute help. I noted that the decision will be made at the March Regents Meeting for which we must have careful documentation on the process by which the cafeteria was rehabilitated (how the money was spent; how former T buildings have been rehabilitated; whether there was any difference in the procedure this time; how the request for the Athletics Department occupancy was originated, etc.) I indicated that Ed Pauley has requested the floor plan from Clark Kerr and has also asked what could be done to make the building look better on the outside, mentioning the possibility of using John Lyon Reed as architect.

Kragen reported that in his meeting with statewide people yesterday (Neddersen, Sparrow, etc.) on free parking on campus, the firm decision was made by statewide that we must charge every person who parks on campus, including Regents, state legislators, emeriti professors--everyone. If we pay for any of this parking, it must come from endowments.

We discussed the problems that have been created by a flood of requests for approval of on-campus speakers from various organizations. It is felt that the advisers do not analyze requests but simply sign them automatically. Kragen said that he has insisted that the Dean of Students keep to the one-week rule. (The request for permission for a speaker must be made at least one week in advance of the proposed speech.) He has also been thinking about demanding a financial statement from each organization in order to insure that they have the means to meet the commitments they make to the speakers they invite. It was decided that the problem should be discussed at the Student Affairs Committee and that they should make a recommendation to me. SAC should also recommend on the problem of recognizing certain groups.

The Board of Directors of International House have requested that my office investigate the rights of foreign students and outline some sort of procedure to inform the students of these. Sherriffs will write to the State Department for clarification.

We talked about Ed Pauley's letter saying that he has a friend who wants to know what is being done to stamp out organizations like SLATE Alex shared with us his draft of a response, which we approved, suggesting that the latest copy of Look magazine be sent to him along with it.

I received a telephone call from Wallace Cake of the U.S. Rubber Company at about 1:35 p.m. He passed on an invitation from the president of U.S. Rubber to become a member of their Board of Directors, which meets on the second Wednesday of every month. I declined the invitation, since it would be impossible for me to attend board meetings that frequently.

At 2:30 p.m. I telephoned Clark Kerr. I began by describing our discussion at my Cabinet meeting today about the way that the Athletics Department-Cafeteria facility has been handled.

I also reviewed my discussion with Ed Carter and my talk with Alan Waterman of the NSF on whether we should up the request to the NSF to \$6 million for the Lawrence Hall of Science. I also asked whether we should send the material to Ed Pauley regarding the architectural competition in view of the restraining action of the Regents. He is seeing Pauley in San Mateo tomorrow and will talk with him about the \$6 million. In the meantime, Kerr said to go ahead and send the letters regarding the architectural competition.

I told Clark that we should make up our minds on whether we support the Lawrence Hall of Science or not and asked him how he interpreted the order to fire Murphy. He said that unless Murphy is absolutely essential to our effort in preparing the material for the NSF, for example, we should fire him. I will look into this carefully with Harvey White.

I met with Hunter Dupree at 3:45 p.m. to assure him of our high regard for him and to say, personally and confidentially, that he has a more significant national reputation than that of Thomas Kuhn, of whom we were talking. He pointed out that Kuhn is a member of the Guild of Historians of Science who are interested in Archimedes to the 17th Century--nothing practical or modern--and who tend to feel that one has to be a converted scientist to be the best historian of science. Dupree, on the other hand, is in the modern stream (or tries to be) and is involved in science in government, etc. The central issue seems to be that Kuhn wants to have more authority over Dupree (or, for that matter, anyone teaching the history of science) and Dupree feels that that is the reason for some of the devices Kuhn uses.

Dupree has talked to Delmer Brown (Chairman of the History Department) about this. He has been asked to write Brown a memo describing his views on the matter; I asked for a carbon copy to me. Dupree says that his argument will be along the lines of "Why can't there be two autonomous professors working in the field of history of science?" In the course of the conversation I asked what he thought about having a man in the Political Science Department in the sciences and government area. He asked me if I meant someone like Don Price of Harvard and I answered in the affirmative. He said that he would be in favor of this and would not view it as an encroachment on his area--in fact, it would serve to strengthen the area of applied science. When I talk with Charles Aikin next, I will mention this.

At 4 p.m. I called Tom Pigford to warn him of the difficulties regarding the allocation of an additional 162 grams of Pu²³⁹, but I said that I am okaying the letter and sending it out. Laughingly, I told him that if he has an accident with the stuff, there will probably be not only a new head of Nuclear Engineering but also a new chancellor.

I learned that a large number of requests have been made for copies of our PSAC Panel report as a result of the printing of the entire report in Science. I will have to find an inexpensive way of providing reprints.

We held our Christmas party for office staff at our home in Lafayette this evening from 5:30 p.m. to 7:30 p.m.

Thursday, December 22, 1960

I signed a letter to Ed Pauley conveying to him Alex Sherriffs' answer to the inquiry of Pauley's friend, Mr. Jefferson, regarding student movements on campus. Since it defines the University's position on a problem with which, as Alex points out, we and other universities are increasingly confronted, I think it is worth quoting:

"Mr. Jefferson has in his letter to you of November 21, 1960, raised the question 'Just what can be done, or is being done, to stamp out influences such as the Slate Movement?' The question in its more general sense includes at least two parts: What can be done to prevent the use of University facilities by groups for purposes of propaganda and partisan influence? And, what can be done to prevent groups whose purposes are quite apart from the purposes of the University from capitalizing on the status which comes from free association with the University's name? Further, the answer to the question is complicated by the fact that often those who organize such groups are clever and are quick to capitalize on any inconsistency or other irregularity on the part of the University administration.

The major approaches to the problem posed by Mr. Jefferson have been:

- 1) a clarification by the administration of regulations governing recognition of student groups and the use of campus facilities, and a wide dissemination of these regulations to members of the campus community.
- 2) efforts at consistent enforcement of the regulations, and direct communication with students concerning the importance and purpose of such regulations.
- 3) a strengthening of student government on campus.
- 4) efforts by students, faculty and administration to insure an effective communication medium on the campus. Student leaders have been working hard and intelligently during the past months to establish a publisher for the Daily Californian. It is desired that the student paper be objective, responsible and while free, also free from biased reporting.
- 5) the initiation of a program of speakers on campus which provides first hand experience for students in hearing from many of the leaders of our nation.

Slate, itself, has been quite unsuccessful in attracting students to join its group, and it has been largely unsuccessful in winning positions with student government. However, it has been able from time to time to create

confusion and to raise difficulties for students and for administration alike. I believe that the ethical deficiencies of the organization are becoming ever more apparent to students generally. The administration does not take these deficiencies lightly at any time.

I should note that the problems raised by some students on our campus are problems being faced by universities across the nation. I am attaching the most recent issue of Look magazine in which are described some of the activities and attitudes of today's college students.

(s) Alex C. Sherriffs
Vice Chancellor--Student Affairs"

I also signed a letter, drafted by Errol Mauchlan, to Clark Kerr, commenting:

"The protest of Princeton University regarding our offer to Alonzo Church of \$5,000 more than he is earning there has brought to mind a problem which has been of concern to this office for some time.

Your directive of February 27, 1959, allowing payment of travel expenses to visiting professors has not, in practice, fulfilled the purpose for which we understood it was intended: i.e., separating the visitor's out-of-pocket expenses in coming here from his appropriate salary. We believe that if this could be done, embarrassing cases such as that of Professor Church would be less likely to arise.

It has been general University practice to compensate a visitor in some way (usually by increase in salary) for more than the personal travel expense allowable under the directive: for the transportation of his family, increased living costs in this area, and the contributions he must make to the pension fund at his home institution. As you know, such reimbursement is an inevitable concomitant of the difficult recruitment situation.

It is my feeling that a method of paying these expenses separately from salary would be most desirable. May I suggest a revision of this sort:

In cases, where it is necessary, from a recruitment point of view, to reimburse a 'visiting appointee' for expenses over and above the cost of his personal transportation (now allowable as travel expense), these additional expenses should no longer be included as part of salary payments. Such expenses should be now paid, with travel, from departmental Supplies and Expense, which, where necessary, may be augmented for the purpose of transfer of funds from academic salaries.

Expenses of justifiable additional expense are: transportation of family, increased living costs in this area, and the contributions the appointee must make to the pension fund at his home institution."

Despite the awkwardness of extensive quoting in the context of this journal, I believe the following letter from Charles Tobias in his role as Chairman of the Committee on Research is worth quoting in its entirety:

"The Berkeley Committee on Research wishes to call your attention to the disproportionately low sum provided for support of faculty research in Berkeley relative to the provision made for the Los Angeles campus. The figures over a period of the last five years are as follows:

	1956-57	1957-58	1958-59	1959-60	1960-61
Berkeley	218,500	250,000	284,000	313,025	340,432
Los Angeles	<u>193,840</u>	<u>205,000</u>	<u>235,000</u>	<u>261,500</u>	<u>289,500</u>
	24,660	45,000	49,000	51,525	50,932

It is apparent that the division in amounts provided to the two campuses has, for the past four years, been kept quite close to \$50,000 in favor of the Berkeley campus. In the course of time this led to a ratio for 1960-61 of 54% for Berkeley and 46% for Los Angeles. We feel that maintenance of a \$50,000 spread over the past four years is mechanical rather than indicative of a thorough consideration by the Administration of all factors involved.

It is known, of course, that the rate of growth of the Los Angeles campus, and therefore the rate of growth of their research activities, is (or should be) greater than that of Berkeley. However, we wish to point out that using available evidence indicating the level of research activity, the Berkeley Committee receives a substantially lower level of appropriation than would be justified. Taking the number of doctoral students advanced to candidacy, we find that as of March 14, 1960, the Southern Section had 492 and the Northern Section had 1112 of which 1030 are Berkeley candidates. The number of graduate students working toward doctoral degrees is regarded as a pretty fair index of the level of research activity on any one campus. As shown above, Berkeley has over twice as many doctoral candidates as Los Angeles, but the research funds for the faculty directing those students is only 17% greater than in 1960-61. As an additional indication of the relatively better support given Los Angeles, we wish to point to the September 26, 1960 Minutes of the Los Angeles Committee on Research. On this date three individual faculty grants were made for over \$1000 and one for \$2000. In contrast to this, the Committee at Berkeley does not find it possible to honor individual requests received during the course of the year (after the annual meeting) amounting to more than a few hundred dollars.

We realize that there are numerous other considerations that prompt the President to approve the type of fund distribution indicated by the sequence of figures shown for the past five years; nevertheless, it appears to us that you may consider it worthwhile to look into this matter and, in the preparation of future budget requests, impress on the minds of those in charge of preparing the state-wide budget that a more equitable spread of funds for support of faculty research needs to be established. We suspect that the present trend, namely, the decreasing percentage of a division between the amounts provided to Berkeley and Los Angeles is based to a great degree on the number of faculty members on each campus. We feel, however, that support of research should be based much rather on the level of research activity as evidenced by publications and the number of candidates for higher degrees.

The Committee on Research is well aware of your continued efforts to obtain improved support of research activities on this campus. We hope that you will regard the foregoing statement as one that can perhaps aid you in achieving further improvements in this area.

Sincerely yours,
(s) Charles W. Tobias"

I met with Milton Chernin, Adrian Kragen and Errol Mauchlan at 10:45 a.m. We covered a wide range of topics, including Tobias' letter.

At 11:10 a.m. I received a telephone call from William Beaumont (Kaiser Industries). He asked about the possibility of a post-season game between the Oakland Raiders and the San Francisco 49'ers, to raise money for PACE, using our stadium. I said there would be no chance. He also asked me to send him more copies of my PSAC Panel report, which I promised to do.

At 11:45 a.m. Harvey White and I got together in my office to talk about the fundraising for the Lawrence Hall of Science. The limitations placed on us by the Regents at their last meeting make this even more difficult. We also talked about the architectural competition.

At 1:30 p.m. I attended an Open House to see the new offices of the Department of Athletics in the old Cafeteria Building; they have completed their move from Stephens Union. Now the problem is to make it possible for them to remain in the old Cafeteria Building and not be thrown out with no place to go.

Lincoln Constance and I held our regular weekly meeting at 2 p.m. He asked me if there would be any objection to asking Carney to administer the American History and Institutions Program in Spring Semester 1961, since he will be here anyway. I said I don't see why not, but that we should see that the Riverside authorities are notified (either by him or by us) of this change in his scheduled duties, should he be willing to undertake it.

I told Constance that I do not see any way that we can subsidize the graduate advisor (or advisors) for the Political Science Department by means of Summer Session II financing. It was agreed that he might explore how this problem is handled by other social science departments, but without stirring up similar requests, if possible. While we were on the subject of the Political Science Department, I mentioned that I think we should consider the possibility of entering into the rapidly developing field of "science in government". I told Lincoln I will explore this idea with Charles Aikin.

We also talked about the problems with the Griller Quartet, briefly reviewing the report by Department of Music Chairman David Boyden and the subsequent letter by William Denney and associates. I asked Constance to speak with Boyden and ask him for a two-fold recommendation to the effect that the contractual arrangement with the Griller Quartet and its members be terminated, and that they be given 1961-62 as a terminal year, in view of their long and excellent service to the University. I stressed the importance of keeping Clark Kerr informed quickly and fully.

We had a short discussion about several matters involving the Department of Journalism, including the relationship of Charles Hulten to the Consultative Board of the Daily Californian, the status of faculty members Walter Gieber and Jean Kerrick, and the role of the Department. It was decided that we should bring the latter matter to the attention of Errol Mauchlan, so that we might have at least an internal discussion of the Department in a meeting of the CAAC.

I received a call from Heinz Haber, who informed me that the filming at the Radiation Laboratory is set up for Monday, January 9, 1960. This will feature the HILAC, the program aimed at the discovery of Element 103, and Albert Ghiorso. Haber will call me at home early on the afternoon of January 8th preparatory to coming out to see me at 4 p.m.

On the way home I stopped by the reception being held at the Claremont Hotel for attendees of the meeting of the League of California Cities.

Friday, December 23, 1960

The Christmas holiday begins today so I stayed home. At 8:10 a.m. I received a call from Dr. Barry, a consultant in sciences to the President of the State University of New York in Albany. He told me about a conference to be held in Endicott, New York (near Binghamton) March 27-29, 1961. They are inviting the following people to represent the fields noted: Walter Michael of Bryn Mawr (Physics), Oswald Tippo of the University of Colorado (Botany), Earl Droessler of the Atmospheric Sciences Program at the National Science Foundation (interdisciplinary science), and Donald Fleming of Harvard (History of Science). He asked me if I could represent Chemistry. I said to go ahead and send me descriptive materials and if I decide I can't do it, I will recommend someone else for our field.

Saturday, December 24, 1960

A quiet day at home, reading journals and working on some writing projects. My mother is visiting us over the holidays.

We had our traditional Christmas Eve dinner, lutfisk, rice pudding, etc. prepared by my mother, followed by the exchange of Christmas gifts that have been languishing under the Christmas tree in our living room.

I took movies with my Bell & Howell camera of the family and of Estelle Brown, who spent the evening with us.

Sunday, December 25, 1960

We spent a typical family Christmas Day, beginning with the opening of gifts that had been left under our tree by Santa Claus during the night. The kids were up early because they couldn't contain their curiosity.

In the early afternoon we had our traditional turkey dinner prepared by my mother and Helen.

Monday, December 26, 1960

A holiday spent at home, enjoying our presents and left-over food.

Element 98 Prepared

The first pure compound of the man-made element californium has been prepared by University of California scientists with samples weighing about ten-millionth of a gram.

► THE FIRST PURE compounds of the man-made element californium, No. 98, have been prepared by scientists at the Lawrence Radiation Laboratory of the University of California, Berkeley, where this element was first made.

Preparation and identification of the compounds was carried out by Drs. Burriss B. Cunningham and James C. Wallmann. Three separate californium compounds—californium trichloride, californium oxychloride and californium oxide—were prepared by treatment of the element with hydrochloric acid and steam at high temperatures.

Dr. Glenn T. Seaborg, Nobel Prize-winning chancellor of the University of California at Berkeley, described the work in a distinguished lecturer's address at the winter meeting of the American Nuclear Society.

Dr. Seaborg said the feat of carrying out identifiable chemical reactions with such minute quantities of material—samples weighing about a ten-millionth of a gram—was accomplished as a result of the recent perfection, by Dr. Cunningham and his colleagues, of techniques for working on the "submicrogram" scale.

Californium is one of the "dinosaurs" of matter—an element that may have been present in the beginnings of the earth but soon disappeared through radioactive decay. The element was first fabricated with the use of the atom smashers by University of California scientists.

Dr. Seaborg also stated that a neutron irradiation program now in progress at the Materials Testing Reactor at Arco, Idaho, will yield about a ten-millionth of a gram of einsteinium (element 99) early next year. This quantity, he said, might be enough to permit the isolation of einsteinium for the first time.

Einsteinium is likely to be the only remaining transuranium element that can be isolated in visible amounts, because of the increasingly short lifetimes of the heaviest synthetic elements. Visible quantities of berkelium and californium (elements 97 and 98) were first isolated two years ago by Dr. Cunningham and Dr. Stanley G. Thompson at the Lawrence Radiation Laboratory.

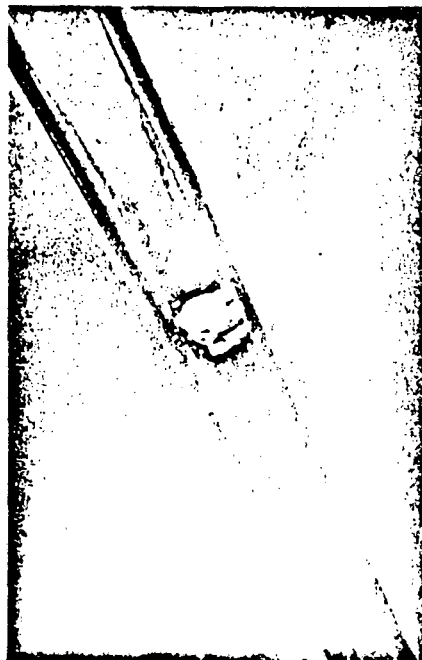
Although elements beyond the presently known 102 will undoubtedly be discovered, Dr. Seaborg said, it should be possible to produce and detect not more than an additional half dozen or so.

The best chance of success, he said, lies in the firing of heavy ions into targets of high atomic number. The small number of atoms of new elements produced, coupled with their extremely rapid decay, will soon require development of new methods of identification.

Dr. Seaborg predicted that the longest-lived isotope of element 104, for example, will have a half-life of only a few minutes or less. With element 106, this will be reduced to but a few seconds or less, and no isotope of element 108 is likely to have a half-life of more than a tenth of a second.

Dr. Seaborg also described the current research efforts of Dr. Albert Ghiorso and his co-workers to discover element 103 in the heavy ion linear accelerator at the Lawrence Radiation Laboratory.

• Science News Letter, 78:421 December 24, 1960



PURE CALIFORNIUM

Tuesday, December 27, 1960

I went to my Chancellor's Office this morning to take care of a lot of correspondence. I signed a long memo to Clark Kerr regarding the recommendations of the Statewide Committee on Radio and Television and urging that a continuing effort be made to recapture at least some of the operating and capital funds which have been denied.

I also wrote to Henry Eyring in response to his invitation to speak at the University of Utah to let him know that I have decided that I simply cannot take on any additional commitments this academic year.

I was very pleased to receive from Argonne Laboratory a copy of a letter which I wrote to Enrico Fermi in 1941. The letter (a copy of which is attached) was found among Fermi's papers.

I attended a World Affairs Council luncheon at the Fairmont Hotel at which John McCone spoke. He made a strong pitch for the U.S. resuming atmosphere testing of nuclear weapons (despite the fact that it is President Eisenhower's policy to adhere to the moratorium on such testing). I spoke to McCone at the reception in the Cirque Room and after his talk. I also talked with James Black about heading the Lawrence Hall of Science fundraising campaign.

At 2:45 p.m. I met with Herb Blumer and Art Sherry.

Owen Chamberlain called me at 4 p.m. to ask me to speak a few words of welcome at a conference on the teaching of elementary and junior high school science at the Claremont Hotel on Sunday, February 5, 1961. I agreed to do so.

I told Chamberlain about my idea for a course for scientists and non-scientists on issues concerning sciences and technology. He seemed to think this was a good idea.

I then met with Ted McCown (Anthropology). McCown has been causing some problems by refusing to return skeletal material borrowed from other institutions. He has refused to return some skeletons to the Mexican government, to whom they rightly belong. This is causing the University great difficulties and threatening all of our research programs in Mexico. He has also refused, despite many requests, to return the Natufian skeletons from Palestine to the Peabody Museum, which owns them. I convinced McCown to return these, exacting from him a promise that half of them will be returned no later than January 15, 1961 and the remaining half no later than February 15, 1961. He also promised to return the Mexican material. I hope this is finally the end of this unpleasant episode.

Wednesday, December 28, 1960

Since I had no appointments in my Chancellor's Office today and nothing much happens on campus between Christmas and New Year's, I stayed home today. I spent some time reading papers from my Chancellor's Office and catching up on reading scientific journals.

In the late afternoon I called James Black at PG&E. He had called me earlier as a result of our conversation at the McCone lunch yesterday, at which it developed that he has an interest in heading up the Lawrence Hall of Science

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF CHEMISTRY
BERKELEY, CALIFORNIA

Jan. 11, 1948

Dear Professor Fermi:

We have some new results which Dr. Segre says will interest you in connection with your uranium work. We have bombarded uranium with 16 Mev deuterons and found in the chemically separated element 93 fraction, in addition to the known 2.3-day 93^{239} , a new activity of approximately 2 days half-life. This new activity shows up in the absorption curve of the element 93 fraction of deuteron-activated uranium. This absorption curve shows a high energy tail on the beta-particles which does not appear in the absorption curve of 93^{239} (produced from neutron bombardment of uranium). The half-life was determined by following the decay of these higher energy beta-particles. The intensity of this new activity is probably less than that of the 2.3-day 93^{239} but not a great deal less; there is no way of estimating accurately the

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF CHEMISTRY
BERKELEY, CALIFORNIA

Jan. 11, 1941

Yields of 93^{239} from neutrons expressed
as microcuries per microampere-hour
(16 Mev. D^2) per gm. of $UO_2(NO_3)_2 \cdot 6H_2O$ (in
paraffin):

Beryllium target: 0.170

Phosphorus target: 0.0055

Yield of total element 93 activity per
microampere-hour of 16 Mev
deuterons (through 2 mils Al) on
uranium (U_3O_8): 20.0

(over)

The neutron yield data have been corrected for the loss in the chemistry (about 15%), which was determined in a separate experiment on a sample of known strength. The data seem to indicate that, even aside from the complications due to the additional activities in deuterium-activated uranium, the use of neutron activations is preferable because of the larger yields available when large amounts of $\text{UO}_2(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ are used. Of ^{course} this large yield per gm. cannot be maintained when we bombard very large amounts because of poorer geometry and because the efficiency of the chemical separation will be much less due to the large amount and especially because of the extremely careful separation from uranium which will be necessary.

The lower yield with phosphorus neutrons is due in part to a more unfavorable geometry in this case.

G. J. S.

relative intensities of the two element²
93 activities due to their similar
half-lives and since the first part
of their absorption curves might well
be very similar. This new activity
might be due to 93^{238} , 93^{236} or 93^{235} .

There is some evidence for alpha-particles,
which might be due to the element
94 daughter of this activity. The
same bombardment gave some
evidence for the formation of the
7-day U^{237} probably from the
reaction $U^{238}(d; 2n, p)U^{237}$, at an
intensity of a few percent of that
of 93^{237} .

These are the results from
only one bombardment and hence
must be regarded as tentative. I
would rather that you keep them
confidential for the present. We
plan to make another bombard-
ment very soon.

Sincerely yours,

G. T. Seaborg

fundraising campaign. I explained, yesterday at lunch and again today, the quiet nature of the campaign we have in mind--money from private individuals and later exhibits from industry. He said he is tied up with Stanford and other fundraising activities, but he'll try to shed some of these in the next few months and then he'll seriously consider doing this for us. I said I would keep in touch with him.

Thursday, December 29, 1960

In my Chancellor's Office this morning I read some incoming correspondence. The following confidential memo arrived from Clark Kerr, addressed to all Chief Campus Officers:

"Re: NCAA Proposals for Adoption at January, 1961, Meeting

Thank you for your replies to my letter of December 1, 1960. There appear to be some differences of opinion. A public dispute among the several campuses of the University would be unfortunate. I hope you and your Athletic Representatives will find it possible to support, or at least not oppose, the NCAA recommendations, as follows:

1. Curbing of excessive transportation of prospective student athletes.
2. The 5-year eligibility provision.
3. The study of a need standard in the awarding of grants-in-aid.
4. The complimentary ticket proposal."

Lincoln Constance and I held our weekly meeting at 2 p.m. We briefly discussed the "vicious circle" in which we are caught regarding making appointments in Slavic studies, resulting from an ineffective Slavic Center blamed for our failure to make strong Slavic appointments in departments (Slavic Languages and Literature, Political Science, etc.) and departments or departmental members blamed for failure to make the departmental appointments that would strengthen the Center. Constance suggested that I might wish to try to set aside an FTE for the express purpose of providing leadership to the Center, and which could be allotted to any of several possible department-bases for such a man, viz., Political Science, Geography, Sociology, Slavic Languages, etc.

We also talked about English for foreign students. The head of our program has been asked by San Francisco State College to refer students who fail our entering English examination to their new (to-be-created) course in English for foreigners. It is felt that the existence of such a program on the West Coast would be generally helpful, since there are now major ones only at Columbia, Michigan and American University. I agreed that we should cooperate with San Francisco State on this and that, because of possible all-University interest, we should advise Statewide of our action.

Constance told me that George Foster has written him to inform him that all staff of the Department of Anthropology have agreed that Sherwood L. Washburn should succeed him as Chairman of the Department, effective July 1, 1961. (Lincoln was careful to make sure that David Mandelbaum was included in this sample.) I said that I will appoint Washburn.

At 3 p.m. I met with John Raush, an Associate in Subject A. He came in to see me because he has been offered a job with the Educational Policies Commission and wanted my advice and evaluation of the Commission. I told him that I have a good impression of James Russell (head of the Commission) and of the people associated with the group I met in Burlingame about a year ago. I read a draft of their policy statement and was impressed by it as far as it had gone. Other than that, I told Raush that, of course, the decision is his to make. He seemed to be pleased by my favorable reaction to the Commission.

In the evening Helen and I attended the annual banquet of the Northern California Field Hockey Association at the Claremont Hotel. This was an all-women banquet and there was much joking about the fact that I was not allowed to speak.

Friday, December 30, 1960

I chaired a session on "Low Energy Nuclear Physics" in Le Conte Hall this morning as part of the American Physical Society meeting and the Conference on Strong Interactions.

In the evening Helen and I attended a banquet at the Claremont Hotel, where we sat at the headtable. I made welcoming remarks, joking about attending banquets at the Claremont on two successive nights and about not being allowed to speak last night.

Saturday, December 31, 1960

A quiet day at home. In the evening we watched on television as Guy Lombardo brought the New Year in at Times Square in New York.

Sunday, January 1, 1961

I watched the Rose Bowl game on television. Minnesota lost to Washington, 17-7. Washington's quarterback, Bob Schloredt, ran for 31 yards on a quarterback sneak. Minnesota was held to only two first downs in the first half.

Monday, January 2, 1961

Today is an academic and administrative holiday, since the New Year's holiday fell on the weekend. I stayed home, reading and playing with the kids, who also have the day off school.

Tuesday, January 3, 1961

Instruction resumed today. I began the morning in my Chancellor's Office dictating some letters.

I wrote to McGeorge Bundy, who has been selected by President-elect Kennedy as his Special Assistant for National Security Affairs, to congratulate him and to express my delight that he has accepted the assignment.

I also signed a contract renewing my consultantship to the U.S. Rubber Company.

At 11 a.m. I held a meeting in my office to discuss the need to strengthen the Slavic Center. Present were Walter Galenson (Business Administration), Nicholas Riasanovsky (History), Henry Rosovsky (Economics), Martin Malia (History) and Ed Strong (at the beginning of the meeting). We talked about a number of possible candidates for appointment here at Berkeley.

At noon I telephoned Frank Spedding (Iowa State University in Ames, Iowa) to ask him if he knows the treasurer at Iowa State, John P. Dodds. Spedding said that he doesn't know him very well and that it isn't a very important job. I explained that we are thinking of Dodds for our Business Manager, an important job which requires a very good man. Spedding said that he has some doubts, but not sufficient basis for an opinion. We left it that he will call me back if he uncovers favorable opinions, but that if he doesn't find him capable for our job, he will not call back.

I then presided over a meeting of my Cabinet, all of whom were able to attend. As usual, we went through a long list of items. I emphasized, in particular, the two communications from the President's Office: a note saying that too many matters are being referred to the General Counsel's Office and another memo stressing the importance of the CCO's communicating "any significant local interpretations of policy" to the appropriate statewide officer.

At 1:15 p.m. I received a call from Ted Hochwalt (Monsanto Chemical Company) who told me that Chemstrand Corporation (a subsidiary) is dedicating a new research laboratory in the Raleigh-Durham area (which will have 270 people, 160 degreed scientists). They wanted me to speak at the dedication ceremony on February 1st. I declined, suggesting George Kistiakowsky or John E. Warner.

At 3 p.m. I met with Geoffrey Bodman, Daniel Aldrich and Gorton Linsley to talk about the College of Agriculture. Bodman is taking over the deanship from Linsley. Dan Wilkes sat in on the meeting in order to prepare a press release on this.

Helen told me she took Pete to Dr. Redmond's office this morning.

Wednesday, January 4, 1961

I went directly to the Radiation Laboratory this morning to attend the meeting of the Associate Directors there.

I noted and accepted an invitation to serve on the selection board for the Chemical and Engineering News Student Merit Award, an award given to exceptional students in chemistry who excel also in an extracurricular activity.

When I arrived at my Chancellor's Office, I was very distressed to learn that one of our students, sophomore honor engineering student John H. Patterson, II, jumped off the Campanile this morning, committing suicide. After the last suicide from the Campanile there was supposed to be an investigation of how to prevent this in the future (by erecting some sort of barricade), but apparently nothing came of it. We must make an effort now to assure that this never happens again. As Alex Sherriffs noted on the memo Kitty Malloy wrote giving us some details on Patterson's suicide, a special watch must be made there during the next few weeks, since this sort of thing tends to be contagious. We will also keep the Campanile closed for a few days.

I signed a letter to Clark Kerr, asking him to request the Regents to negotiate a change in the contract with the federal government which precludes providing any free parking to any individuals under any circumstances.

I also signed a memo changing the name of the Department of Sociology and Social Institutions to the Department of Sociology.

I was sorry to receive the following letter from Charles Snow (since I would have liked to say goodbye to him):

"Will you tell the Regents that very sadly, I think I must cut my stay here two or three weeks shorter than I intended? I originally planned to leave in the middle of January (this date was fixed by Philip's school). But I have to give the keynote at the AAAS in New York on December 27th, and travel is so arduous in this weather that I can't face yet another trip westward for about fourteen days. I got stuck in Washington in a blizzard, and haven't quite recovered from that experience.

In the circumstances, I do not know whether I ought to receive the last installment of my stipend.

We got around to all the major campuses except La Jolla. We have profoundly enjoyed our stay on the Berkeley campus. I did not need telling, but I now know by experience, that this is one of the great universities of the world. It has been a personal privilege to be one of your own colleagues, even for this short time.

Pamela and I are most grateful for the kindness you and your wife have shown us.

(s) Charles Snow"

Sam Silver called me shortly before 2 p.m. to talk about the Space Sciences Laboratory. He informed me that he has spoken with Woody Trautman (Ford Foundation) about the possibility of their providing some support. Trautman told him to see Paul Pearson when he comes to Berkeley. Silver and I decided that it would be better if someone from the Chancellor's Office talked with Pearson, and we agreed that Starker Leopold should do this. I told him that I had discussed the Space Sciences Laboratory use of Rad Lab machine shops at the Associate Directors' meeting this morning.

At 2 p.m. I met (reluctantly) with Mayor Kathie Zahn of Albany. She began by saying that she has received a report on the Buchanan Street cut-off matter as it was presented to the Regents at the December meeting, including the fact that I wasn't there when it was presented.

She also showed me the page from the December 15, 1960 Berkeley Gazette announcing in the headlines that 500 new married students' housing units are going to be built on the Gill Tract and emphasized how great a headache this was to her and the people of Albany, especially since 330 students had signed a recall petition against her.

I said I wasn't free to confirm or deny what happened at the Regents Meeting, but that I wanted to emphasize that the Chancellor's Office would never recommend any item to the President's Office that we didn't want passed by the Regents, and, furthermore, that the presentation of an item such as this made by the President's Office would be supported when it reached the Regents, so that no item ever goes unsupported as her informant seems to have implied might have happened here. (I emphasized, however, that this is only hypothetical reasoning and that I wasn't confirming or denying or in any way telling her what happened at the Regents Meeting or in the President's Office.)

She asked when the next Regents Meeting will occur and I said February in Riverside, informing her in response to her question that I will be attending. She said that she would like a letter from me saying that her request will come up at the February meeting; I said that I don't know if I have authority to do this--that if I do, I will, but otherwise I will ask the President's Office to do so. She wanted to attend the Regents Meeting in Riverside but I discouraged her from doing so.

At 2:30 p.m. I met with Aaron Gordon to talk about the reconstitution of the Heller Committee and about salary problems in the Department of Economics.

I presided over a meeting of the Academic Advisory Committee, beginning at 3:15 p.m. Present were K. E. Bock, L. Constance, W. R. Dennes, S. S. Elberg, A. A. Kragen, G. Mackinney, A. B. Pardee, R. E. Powell, E. W. Strong, and H. Williams.

The first item on my agenda was the introduction of my PSAC Panel report, "Scientific Progress, the Universities and the Federal Government", copies of which had been distributed to the members.

I then went on to refer briefly to Gordon Mackinney's personal letter of December 16, 1960, in which he raised some penetrating questions concerning the present University organization for research. I added that the continuing addition of new organized research units is a matter of acute concern to the Administration but that the formulation of policy is complicated by the clear need not to impose impediments to the free development of research activity, and by faculty sensitivity in this regard. I pointed out that a Special Committee under the chairmanship of Ted Vermeulen is presently studying the problem of research contracts and grants, and that its report (which will be brought before the Committee when submitted) may provide a starting point for review of the larger problem.

I then went on to the report on offerings in Bio-physics, underscoring the importance of the problem before the Committee. I expressed the view that, just as the first half of the 20th Century had belonged to Physics, so the second half will belong to the area of Molecular Biology or Bio-physics, and that the truly significant scientific developments of the latter part of this century will happen in that field. I said that I feel that hitherto the approach to this field at Berkeley has been somewhat makeshift and heterogeneous and that it is imperative, therefore, that in addressing the question of administrative organization, the Committee give due regard to the possibly momentous implications of its decisions for the future of science on campus.

Sandy Elberg presented both the Majority and Minority reports of the Special Committee, summarizing the recommendations and points of view and noting that the crucial points of difference relate to a) restriction and diversification of the field of the proposed new department of Bio-physics; and b) orientation of Bio-radiology under the new scheme. He added that the earlier draft of the Majority report, representing the first real consensus opinion of the co-signees, has been considerably modified in an unsuccessful attempt to meet the views of the signer of the Minority report. In particular, the majority co-signees had withdrawn from the following positions:

- 1) that the present interdepartmental group for graduate studies in Bio-physics be dissolved and its responsibilities vested in the new department;
- 2) that the present curriculum in Bio-radiology be terminated as inappropriate to a scientific discipline;
- 3) that the division of Medical Physics be absorbed in established Biological Science departments.

In Elberg's opinion, therefore, there is a stronger case than even the final Majority report makes clear for definitive restriction of the field of Bio-physics and concentration of effort within the area of a new department so delineated. He added, however, that professionally speaking, definition and delimitation of the field are controversial questions.

I noted that the term Bio-physics seems to arouse proprietary feelings in certain of the fields of biological science. In the circumstances, I suggested that a designation of the proposed new department as Molecular Biology might prove to be less controversial and allay unnecessary hostilities. The Committee seemed to think this had some merit.

In the ensuing discussion, a difference of opinion emerged in the Committee between a) members who favor an attempt to concentrate present activities in Molecular Biology by creation of a new department; and b) members who favor less formal encouragement of developments in Molecular Biology by making additional budgetary provision for the purpose within the existing departmental structure. In the latter connection, it was pointed out 1) that clarification and coordination of the graduate degree and advising structure could be secured subordinately, and 2) that the status of the division of Medical Physics should not be a controlling factor since administrative and faculty arrangements could be clarified without altering the present structure. We agreed to continue the review at our next meeting.

Ed Strong then reported briefly on the status of the Academic Senate's review of the proposal that the existing Divisional Graduate organization be decentralized. Due to lack of time, we deferred further discussion of this issue until our next meeting. We adjourned at 5 p.m.

Both Lynne and David had appointments this morning with our orthodontist, Dr. Redmond.

Thursday, January 5, 1961

Harvey White wrote to submit suggestions of people to serve on an Advisory Committee for the Lawrence Hall of Science, which I approved as follows: Edwin M. McMillan, A. Starker Leopold, John H. Lawrence and Louis G. Henyey. I will serve as Chairman.

I read a memo from Clark Kerr, which I wish I had had yesterday when Mayor Kathie Zahn had me cornered. Kerr wrote:

"Returned herewith are the files on the extension of Marin Avenue, Albany, which, as you know, was presented to the Committee on Grounds and Buildings of the Regents last Thursday [his memo was dated 12/22/60].

Since a matter of this type should be handled between the local campus and its surrounding community, you may wish to inform the officials of the City of Albany that their request has been presented and discussed by the Regents."

It appears that the Regents and Kerr have thrown this back into my lap.

Carl Helmholtz wrote to say that the Special Committee on the Optimum Pedagogical Use of the Livermore Facilities has been discussing a recommendation for graduate work at Livermore toward the Master's and Ph.D. degree. Their ideas, thusfar developed, are described by Helmholtz:

"This would be conducted under the Graduate Division of the Academic Senate. It would be an expanding program under which eventually perhaps 1000 students would be enrolled. I am writing this letter so that there would be a chance of starting a small program in the fall of 1961. In case such a program got under way there certainly would not be any more than 40 students for the academic year 1961-62. If one figures on \$2,000.00 per student this would mean an expenditure of \$80,000.00. It would, of course, be helpful to have extra funds available and so I would like to suggest that some consideration be given to making \$100,000.00 available for the academic year 1961-62.

An eventual program will certainly require some capital funds. Since the time is already late, I would think that any expenditure of capital funds could be scheduled for later years.

(s) A. C. Helmholtz"

I called Lincoln Constance to tell him about my meeting with the group of faculty representing the Center for Slavic Studies. I strongly urged that we move quickly to strengthen the Center by obtaining a strong faculty appointment with a view to providing a director. Possibilities discussed included George Fischer (Political Science) and Victor Ehrlich (Slavic Languages and Literature). I promised to talk with Charles Aikin about Fisher; Constance will talk with Francis Whitfield about Ehrlich.

At 10:45 a.m. I called Jim Corley to thank him for his excellent idea of getting a letter from Alan Waterman for the Lawrence Hall of Science congressional bill. We discussed the question of a request for \$6 million versus one for \$3 million; Corley is definitely in favor of \$3 million.

We also talked about whom I might contact on my trip to Washington. I mentioned such names as Chet Holifield, Clinton Anderson, Clair Engle, and Thomas Kuchel; Corley added Dalip S. Saund of Riverside, George Miller and Jeff Cohelan. He asked me to give him a report when I return from Washington, emphasizing that this is a team effort; I promised to do so.

I held my Student Office Hour from 11 a.m. to noon. The first student to come in, junior Linda Jones, came in at my request because of her letter complaining about the University Meeting held just before Christmas. I explained the function of the Christmas University Meeting and its history. She thought it might be better to call it the December University Meeting.

We then went into the question of the lack of teaching of religion on the campus, and I explained the background of this. She is a Christian, lives at home in Oakland, and has majored in Anthropology for 2 1/2 years. She finds many of her professors in Anthropology and English teaching agnosticism and she resents it. She says it affects many of her friends adversely and says that it tends to give them a feeling of being lost in life. She feels that a course in Comparative Religion would be consistent with our attitude. When I told her about the proximity of the Pacific School of Religion, with its courses which are available to our students making the question less urgent, she asked why this possibility is not more generally known. Therefore, the question occurred to me as to why we couldn't mention this in the "Announcement of Courses".

Robert Ye, a senior, came in to complain about the American Institutions examination, which he failed and which, therefore, is preventing him from graduating this spring. He said that 25% of the credit on the examination wasn't strictly on American institutions and was not covered in the material he was asked to read. He wasn't very clear on the particulars, mentioning such examples as foreign aid and civil rights. I said there is nothing I can do about the content of the examination, but that I will get a copy and read it.

My third visitor, Patricia Wise, said she came in because she just didn't believe that it was possible for a student to see the Chancellor! She asked

what other students talk about, so I gave her a brief rundown of the conversations I had just held with the two previous students. She said that she is generally worried about some of the attitudes on campus--that people who think they are liberal are actually just rebellious, mentioning SLATE members in particular. She saw the film "Operation Abolition" at Bakersfield over the holidays. The showing was followed by a panel discussion, including a member of the American Civil Liberties Union and Mike Tigar. She found this very interesting.

Letizia Panizza, a graduate student and teaching assistant in the Department of Italian, pointed out that the literature offerings in Latin and Greek on the campus end about the end of the Roman Empire (476 A.D.) and those in Italian, French and Spanish begin at about the Middle Ages (10th or 12th Century), leaving a gap in literature studies that is not covered. She said that most of the writing in the period 500-1000 A.D. is in Medieval Latin and admittedly of theological origin and that she suspects that in our effort to avoid religion we may be causing a deterioration in scholarship. She also added that there should be some courses in Comparative Literature in a great university, such as ours. I said I would look into the situation.

At noon I telephoned UCLA Chancellor Franklin Murphy, who is presently in Washington, D.C. I recapitulated my conversation with Norman Topping about admitting Washington State University, and hence possibly Oregon and Oregon State to the AAWU. He said he has talked to Clement French (Oregon State) and told him there is no bitterness at UCLA (perhaps some against Oregon and some doubts about Oregon State) and emphasized adequate entrance requirements should be a prerequisite for acceptance into the AAWU. Then he talked to Charles Odegaard (University of Washington) and told him he couldn't sell UCLA on acceptance of Oregon and Oregon State now, although perhaps Washington State is okay.

We agreed that we couldn't make a decision before the 8th and that Murphy would tell Wallace Sterling, who is also in Washington, that there should be a meeting of the Council of the AAWU presidents and chancellors before we make any decision. I gave Murphy my schedule, and we mentioned the possibility of a meeting being set for January 14th.

I said that I place more emphasis on entrance requirements and that we have to have a guarantee there before I would be in favor of going into any such arrangement for expansion to include these schools. Also, I think the step of taking in Washington State, no matter what was said, would imply that the other two would be coming in. I told him that I called Kerr and I told Murphy what Kerr's four conditions for admittance to the AAWU are and suggested that he call Kerr, which he said he will do when he gets home tomorrow.

Lee McLean and I met at 1:30 p.m. to talk about the fundraising campaign for the Lawrence Hall of Science. We discussed the difficulties in these sort of campaigns (both the LHS and the Earl Warren Legal Center) of channeling everything through so many people. I told him I am starting a new campaign where I call everyone about everything--Kerr, Cunningham, Hagar, Corley, etc., etc., etc.

He gave me an accounting on the time he has spent on the LHS project. I told him that I will consider this document as unofficial and that he should write it over and give it to Thomas Cunningham with the suggestion that a copy be provided to me. He said there is enough money to carry him over until the

February Regents Meeting, at which time a decision will be made about his future with the program. He said he can work it in the present budget but he will get an okay from Cunningham first. On the Earl Warren Legal Center, he will do the same thing--keeping everything in channels.

The Smithsonian Institution issued a press release under today's date summarizing my predictions about the future discovery of transuranium elements. I am quoted as follows:

"'Unfortunately for the prospect of producing even higher elements,' says Dr. Seaborg, 'the predictions suggest shorter half lives as atomic number increases. By the time elements 104 and 105 are reached, we shall probably find that the longest lived isotopes that can be made will exist barely long enough for chemical identification. For the isotopes with very short half lives some chemical identification can probably be made using simpler and faster methods.'

'It would appear there is no definite limitation on the existence of heavy elements from the standpoint of electronic structure. Under conditions existing in the stars,' Dr. Seaborg states, '10 to 15 more may be produced. The production of such nuclei would require neutron fluxes of the order of ten thousand billion billion neutrons per square centimeter per second, such as may be present in stars. It is difficult to see how such nuclei can be made on earth.'

At 3 p.m. Wayne Miller came in to take photographs of me.

Pete Newell and I got together to go over Athletic Department matters at 4:45 p.m. We discussed the new space in the old Cafeteria Building and the need to collect documentation to defend its current use, my conversation with Franklin Murphy this morning, etc.

As a result of a night letter from Frank Stanton (President of CBS), suggesting that I might be interested in a news special on the electoral college broadcast this evening, I made a special point to tune in and watch it. It was very interesting indeed.

Friday, January 6, 1961

I formally wrote to Clark Kerr asking approval of a plan for the extension of Marin Avenue in Albany and then wrote to Mayor Kathie Zahn to say that I have done so. I wonder if this will satisfy Mayor Zahn...

I signed a letter to Sir Charles Snow:

"By some eccentricity of the Season your letter of December 21, 1960, did not reach me on campus until after the New Year. I am therefore obliged to send my adieus to you in London.

While it is a matter of real personal regret that you have departed--a sentiment which I am sure is shared by all the faculty and students with whom you met--I well understand your decision. The rigors of travel at this time of year would not justify our expecting your return from New York for the brief two weeks of what we term our 'lame duck' session in January. I readily release you from any feeling of commitment in this regard.

As far as we are concerned, there can be no question of withholding any part of your stipend. We were deeply privileged to have you with us as Regents' Professor, and your many-sided contribution to the life of the campus during the past Fall semester has been very great indeed. Apart from your work in the English department, which I know was much valued, you have greatly enriched our thinking on the problem of the Two Cultures, with which as you know I am personally deeply concerned. Lady Pamela's lively contribution was also much appreciated..."

At 11:30 a.m. I called David R. Toll (Joint Committee on Atomic Energy staff in Washington, D.C.). He immediately told me that he is leaving for the International Atomic Energy Agency tomorrow and will be there for six months so he suggested that he get Jim Ramey (Executive Director) and Ken McAlpine, who are continuing on the JCAE staff, on extensions.

Ramey already has the materials on the Lawrence Hall of Science, including a copy of the bill which he got from Senator Engle. They said they would be glad to talk with Representatives Chet Holifield and Craig Hosmer about it and would try to arrange a possible joint meeting with them consistent with my schedule (which I described to them) in the east during the week of January 16th. They also said that the Chairman of the California delegation (whom I identified as Harry Sheppard) should be there and that they will try to arrange that.

They pointed out that I probably should talk with someone connected with the House Science and Space Committee and its counterpart in the Senate since these people probably control the appropriations in the NSF. I mentioned the plan for financing (that is, \$6 million from the state, \$3 million or more from the NSF, and \$1 million from the AEC to equip a nuclear exhibit hall), but said that I am most concerned at the moment with the bill for the \$3 million from the NSF. They said that, with respect to the AEC financing, I should see John Cera of the AEC, in charge of Nuclear Demonstration Reactors.

I then attempted to call Senator Engle, but reached his appointment secretary Mrs. Beavins, who said that I could probably see him about the Lawrence Hall of Science bill on the morning of January 18th.

At 2 p.m. I went down to the Radio-TV Theatre in the basement of Dwinelle.

When I returned to my office, I called Lincoln Constance to let him know that David Boyden has requested an appointment with me next week. He said that he knew this and that Boyden is reluctant to make the recommendation to me about the Griller Quartet that I have requested.

Once again, I urged Constance to work on appointments for the Slavic Center. I threw out the idea of making an unorthodox appointment of Jim Hart to run the Center for a while. He said he had thought of the same thing. I asked him who I might feel out about this and he suggested Martin Malia and Nicholas Riasanovsky.

Ed Strong and I met at about 3 p.m. for a general updating.

At 4 p.m. I called Senator Thomas Kuchel and told him about the Lawrence Hall of Science bill, asking and receiving an appointment with him on January 18th

at 10 a.m. Then Kuchel said, "Why not meet the whole delegation?" and said that the way to arrange such a meeting was to write to Congressman Harry Sheppard explaining the problem to him and asking if he would set up the meeting.

I then rushed over to University House, where I hosted a coffee hour for faculty members, at which our guest speaker was Samuel P. Huntington (Columbia University), the author of Arms Race and the Threat of War. There was a very interesting and animated discussion about nuclear disarmament.

Saturday, January 7, 1961

I spent the day at home, catching up on reading, etc.

Sunday, January 8, 1961

This morning Helen attended a meeting at University House to discuss the University House flower garden.

Heinz Haber came out to our house in Lafayette to discuss with me the plans for filming at the Radiation Laboratory tomorrow.

Monday, January 9, 1961

I went directly to the Radiation Laboratory this morning for my regular Monday morning visit and to participate in the filming there by German television (Heinz Haber) of their special on the Radiation Laboratory.

While up on the Hill, I signed some letters that had been prepared for my signature there: to Joe Katz, giving him my approval of the supplement to the Polish edition of The Chemistry of the Actinide Elements and complimenting him on his recent article in Scientific American on deuterium; to Congressman Harry R. Sheppard, requesting a meeting with the California delegation in order to present our proposal for the Lawrence Hall of Science; and to Wallace Cake (U.S. Rubber Company), turning down President Humphrey's offer to me to serve on their Board of Directors.

Don Glaser called to let me know that he arrived back last night and that he has received the senior postdoctoral fellowship from NSF. However, this creates a problem of salary because it pays only \$12,000 a year and supplementation is forbidden. His 12-month salary here amounts to about \$21,000 (about \$16,000 plus 1/3 augmentation during the summer). He will be leaving on his sabbatical on February 1st. I said that I will take this up with Alan Waterman in Washington next week, and if I am not successful there we will do something either through the University or, as a last resort, through the Radiation Laboratory. He plans to stay in Copenhagen in June and then spend the summer at Cambridge and Paris with perhaps a week at Uppsala. He is not sure whether he will return in the fall or later because he is interested in spending a semester with the MIT-Harvard group (that is, Cyrus Leventhal at MIT and Wolf and James D. Watson at Harvard) whom he considers to be doing the hottest work in the field. However, he definitely intends to return to Berkeley after a period of training in the new biological sciences.

My participation in the filming was scheduled to begin at 1:30 p.m. Almost as soon as I arrived at the HILAC Building for this, at 1:20 p.m., I received a call from Ed Pauley in Los Angeles telling me that President-Elect Kennedy had called him to indicate that he wants me to be Chairman of the Atomic Energy Commission in his administration. Senator Kennedy had called Pauley in view of his role as a Regent of the University of California, and the need for the Regents to release me from my position as Chancellor. Pauley said that Kennedy indicated that he thinks I am well-qualified and that he needs a strong candidate because otherwise Senator Clinton Anderson's pressure might force him to accept Robert McKinney, an Albuquerque publisher, as Chairman. He indicated that an immediate answer is necessary and asked that I call him back within a few hours.

A few minutes later, at 1:30 p.m., a call came through from McGeorge Bundy who was in Cambridge, Massachusetts, with Kennedy. Bundy opened the conversation by saying that Kennedy wants me to serve as Chairman of the Atomic Energy Commission in his administration and he (Bundy) hopes that I will accept. Bundy then put Senator Kennedy on the line and he personally asked me to serve as Chairman of the Atomic Energy Commission. He said he thinks that I am a strong candidate and that because Senator Anderson is trying to put Robert McKinney in as Chairman, he would like to propose someone like me immediately. I asked him how soon he would have to have a decision and he said he will call me back tomorrow. Senator Kennedy said the rush is due to the fact that he is seeing Senator Anderson soon and wants to be able to suggest a good man at that time.

Somehow, despite the excitement of the call from the President-Elect, I managed to contain myself and make, I think, a presentable job of my interview for German television, explaining something of the history of the work in Nuclear Chemistry here at Berkeley, an explanation of the changes to the Periodic Table (the transuranium elements, the rare earth series and the actinide series), a brief description of the process by which we have synthesized and identified elements beyond 92, an explanation of the ion exchange column, and finally, a description of Al Ghiorso's search for Element 103, which, we think, is nearing success.

At 5 p.m., because I was unable to keep a scheduled appointment with Martin Malia and Nicholas Riasanovsky, I telephoned them to explore with them the idea that we might consider an unorthodox appointment as Director of the Center for Slavic Studies and mentioned Jim Hart as a possibility. They were favorably disposed. I told them that I have already cleared this with Constance, but would like it kept confidential for the time being. It might be a temporary appointment until we get a permanent director and the man we find in Political Science (possibly George Fischer) might be Assistant Director and then move up to the directorship.

Helen and I spent a lot of time this evening talking about Kennedy's offer of the chairmanship of the AEC. This is, of course, a major career decision for me. It is also a big decision to move the family to Washington, D.C., taking all five of our school-age children out of their schools and away from their friends. The kids do not like the idea of moving from Lafayette to Washington and, during dinner, demanded a vote on this issue. The vote was 7-1 against moving (Helen and the six kids, including Dianne, vs. me). However, I exercised the veto power inherent in the powers of head of a democratic institution and said I think we should make the move. Pete, in particular, thinks such a move will ruin his career, leaving his friends, as he would have to do.

I also managed to get a little bit of work done on correspondence from my Chancellor's Office. I signed a letter to Louis DeMonte, congratulating him on his election as President of the Association of University Architects; and letters to Ed McMillan, Starker Leopold, John Lawrence and Louis Henyey, asking them to serve on a committee advisory to the Director of the Lawrence Hall of Science.

I read a long report from the special committee to study the problems in the Department of Psychology. The latest report does not differ much from previous versions; it still recommends against fission of the Department. Regarding administration, the committee's report uses rather strong language:

"The Committee believes the Department has shown itself incapable at this juncture, and indeed for some years, of normal self-government. It recommends that a chairman be designated who will have complete responsibility and authority under the Dean and the Chancellor. In short, the Department should be put into receivership under such an officer and there should be no determination of issues in town meetings of any matters relating to staffing, promotions, budgeting or curriculum. Such a chairman should seek advice of the staff members but in a manner entirely of his own choosing, through individual conference or ad hoc committees of his selection. The line of action following thereupon should be the sole responsibility of such a chairman."

The report goes on to say that they do not believe that anyone currently in the Department is capable of fulfilling this role and that as someone from outside of the University would be walking into an unfairly dangerous situation, the chairman should be from the Berkeley faculty outside of the Department of Psychology. This will be a difficult recommendation to follow.

Tuesday, January 10, 1961

I kept an appointment with my dentist, Kent Kohler, at 9 a.m. this morning.

At 10:15 a.m. I met with John F. Vance (Head of Chemical Publications for McGraw-Hill Book Company). We discussed the idea of a book on "The World of Chemistry". I reiterated that I cannot participate. I suggested that he see Bob Connick for suggestions of people who might be able to do so, and also suggested George Kistiakowsky (Harvard) and Arthur Cope (MIT).

Our meeting was interrupted by a brief call from Ken McAlpine (JCAE staff), who said that Congressman Chet Holifield can see me on January 17th, at 3 p.m. in Room 1236 of the New House Office Building. Congressman Craig Hosmer will be out of town. I told him about my letter to Congressman Harry Sheppard; he said he will call Sheppard to suggest that this might be a time that I could meet with the California delegation.

At 11:10 a.m. I called Harry Kelly (Associate Director of NSF) to tell him about Don Glaser's salary problem; Kelly said he will look into it and see if there is something he can do about the situation.

He also said that he wants to talk with me about the development of a science course for non-science students (which we have talked about on several occasions). He said that he has talked with presidents of several small colleges about this and that they all said that they would go along with this

idea. Harry made it clear that he wants to capitalize on my interest in this. He mentioned that he has talked with Jim Webb (Head of Educational Services, Inc.) who wants to be involved in the CHEM Study publication program as he is with the PSCC. Webb would like to have dinner with me on Tuesday, January 17th, when I will be in Washington; I said I will call him after I arrive there. Kelly invited me to come to the Security Bank Building on Pennsylvania Avenue to watch the inaugural parade.

I then phoned Art Campbell to tell him about the expression of interest in CHEM Study from Jim Webb and to ask him what he thinks about a CHEM Study-Educational Services, Inc. relationship. He will send me his ideas by mail direct to my Lafayette home.

I met with David Boyden (Chairman of the Department of Music) with Ed Strong sitting in, at 11:30 a.m. We decided that Clark Kerr should see Boyden's letter of December 14, 1960 on the Griller Quartet, since the decision on termination of the quartet's contract should be shared by Kerr. A very difficult question is why Sidney Griller should not be retained as Director of the University Orchestra. We concluded that since the quartet is no longer operating as a unit of the University, we would like to be free to constitute another quartet and would like the same freedom to appoint the Orchestra director. Boyden would like to bring in a person from the outside for the Orchestra. Gerhard Samuel (Music Director of the Oakland Symphony Orchestra) is a possibility. Boyden emphasized that Griller has done nothing to try to hold the quartet together, despite repeated warnings.

At noon I presided over a meeting of my Cabinet, which all members were able to attend. As usual, we covered a long list of items. We spent time talking about the continuing (and frustrating) search for a Business and Finance Officer for the Berkeley campus. E. T. Grether has promised to submit a list of names of graduates of Business Administration who might be considered for this job. Kragen is to ask the search committee to reconvene. In the meantime it was agreed that Forrest Tregoe should be relieved of the Acting Business Manager's job in order to be full-time on his job as Executive Director of the ASUC. Frank Miller will be asked to take on the Acting Business Manager job.

Sherriffs gave a progress report on the pending recognition of two student groups and of SLATE's sponsorship of the recording of the HUAAC hearings. It was agreed that we should have a certified accounting of income and expenses from every recognized group. Alex will discuss this problem with Tom Cunningham before going ahead with any implementation of the plan.

The Alumni Association has organized a retreat for the staff of the Daily Californian at the Tahoe Center during the week between finals and the new semester. This project was not cleared with the administration. Sherriffs will inform Dick Erickson that it has been discussed by the Cabinet and that we are nervous about the idea. Wilkes announced the new members of the staff of the Daily Californian recommended by the Consultative Board, which will be passed on by the Executive Committee tonight.

I received a call from Thomas Chamberlain (Willis Booth Foundation). He is disappointed that the Foundation's "committee upstairs" raised a fuss about our proposal for support of the Earl Warren Legal Center because 1) Mr. Booth was a banker, and 2) they didn't want to bail the California taxpayers out. He also thinks that Earl Warren's name may have been a liability with this

group. He thinks we need to think up something in business administration, banking or religion. He said that Sproul made an excellent presentation, but it just didn't do us any good. I am going to meet with Chamberlain in New York on the 17th at 10 a.m.

Ed Teller called me at 2:15 p.m. to let me know that Sidney Griller and Colin Hampton have come to see him about the Griller Quartet (Ed has played with them) and to offer me his advice. He knows Philip Burton and Jack O'Brien are in a certain kind of trouble. Teller feels that the quartet is beyond remedy, but he would like to see Griller and Hampton given the opportunity to reconstitute it. He strongly suggested that I talk with Griller.

Ed also said that, since he is suffering from a health problem, he doesn't want to take on any additional administrative responsibilities that might have any friction inherent in them. (This is relevant to the setup of an academic program at Livermore.) However, he still feels the same about such a program at Livermore, i.e., there should be such a program.

I then met with Forrest Tregoe and Adrian Kragen. We told Tregoe that he will be relieved of his responsibilities as Acting Business Manager of the Berkeley campus in order to concentrate on his new job as Executive Director of the ASUC; he seemed relieved to learn this.

At 3:10 p.m. I attended the meeting of the Representative Assembly in 155 Dwinelle, at which Clark Kerr spoke on the Master Plan for Higher Education and about plans for the San Diego, Irvine and Santa Cruz campuses, and J. E. Fontenrose presented the report of the Committee I appointed to study the problem of Recognition of Distinction in Teaching. After the meeting adjourned at 3:50 p.m. I rushed up to International House, arriving late for the meeting of the Board of Directors, at which I presided.

I signed a letter to Carl Helmholtz regarding the report of his Special Committee on the Optimum Pedagogical Use of Livermore Facilities, noting that Ed Teller has also informed Clark Kerr and myself of developing plans. I stated:

"I have since had the opportunity of discussing the matter with President Kerr, and I feel I should inform you and the other members of the Committee that he is extremely doubtful that other than a token beginning at Livermore will be possible during 1961-62. Moreover, he made it clear that any funds for this purpose in that year will have to come out of the Berkeley campus workload allocation. I need hardly stress that this is in itself a limiting factor. However, I personally will do everything I can to make a start in 1961-62 if this is the wish of this Committee and of other Committees concerned.

I assume that your memorandum is intended as advance notice of the tendency of the Committee's conclusions to assist in the early planning stages. I shall look forward to receiving a fully documented report and recommendations in due course."

I also wrote to Elmo Morgan to pass on a summary of considerations by the Campus Planning Committee and the Buildings and Campus Development Committee for possible uses of the Blind School property, which revolve around various ecological and conservation of natural resource studies.

At 5:30 p.m. I called Mac Bundy at his home in Cambridge, Massachusetts. I said that Senator Kennedy hasn't called back yet as he had indicated he would do. Bundy said that he would let Senator Kennedy know tomorrow that I am ready to talk with him about the chairmanship of the Atomic Energy Commission. After careful consideration I have decided that the advantages of accepting this position far outweigh the disadvantages. I would be in charge of a national program of great importance, for which my background has prepared me, and which will make it possible to advance the causes of nuclear science, especially research in a broad way. Also, I probably could help work toward the advancement of nuclear electric power, promote a nuclear weapons test ban, become involved in international activities, etc. Actually, a couple of years in Washington (I will be completing McCone's remaining 2 1/2 year term) will, on balance, be good for the family and not a detriment, as they seem to feel.

Helen had a meeting of the YWCA Board this morning and took Lynne to her dancing class with Mr. and Mrs. Grobe at Veteran's Hall this evening.

Wednesday, January 11, 1961

I went to the Radiation Laboratory this morning to attend the meeting of the Associate Directors there.

In my Chancellor's Office I signed a number of letters that had been prepared for my signature: to Dean Rusk, thanking him for his contribution to the Earl Warren Legal Center; to George Beadle, congratulating him on his appointment as Chancellor of the University of Chicago; to Carl Bridenbaugh of our Department of History, congratulating him on his election as Vice President of the American Historical Society (for which he will automatically serve as President next year); and to Sidney Hook of New York University, confirming plans for his Jefferson Lectures.

Ronald A. Brightsen (President of the Nuclear Science and Engineering Corporation) called at 11:25 a.m. to confirm plans for the Board meeting next Tuesday in Washington, D.C.

J. F. Ching (President of Hartnell College in Salinas) called at 11:50 a.m. to inquire about the possibility of getting C. P. Snow to participate in a lecture series there; I told him Sir Charles has already returned to England.

I received a call from Jim Russell (Secretary of the Educational Policies Commission) shortly before noon. He invited me to participate in a meeting at the Sheraton Palace Hotel in San Francisco on February 26th, at which James Conant will be featured as speaker and suggested that this would be an excellent opportunity for me to talk with Conant about the "General Policy Statement" that the Educational Policies Commission is preparing. I asked him to write me with details, saying I will reply when I have read about the plans.

Sandy Elberg and I got together to review the Capital Outlay Program Funding before the CAAC meeting, at which he will make a report.

I presided over the luncheon meeting of the CAAC, beginning at 12:15 p.m. in my Conference Room. Guests included departmental chairmen Hakon Hamré (Scandinavian), Colonel John T. Malloy (Military Science and Tactics), James L. Meriam (Division of Mechanics and Design), and Sandy Elberg and Errol Mauchlan.

A large portion of the meeting was taken up with reports on the December CCCO meeting (by Ed Strong) and the December Regents Meeting (by me).

We also talked at length about the Capital Outlay Program Funding for 1961-62 and about the 1961-62 budget.

The meeting concluded with Alex Sherriffs' Student Affairs report. Alex briefly described the picketing of ROTC classes at the time of the December Regents Meeting, which was orderly. He drew attention to a recent wave of difficulties between university administrations and their student newspapers, which was the subject of a recent New York Times article. Distributed to members of the CAAC were copies of a talk entitled "The Not-So-Silent Generation" by Buell G. Gallagher (President of the City College of New York). Gallagher attempted to clarify the issues between the college administration and the student newspaper and to encourage non-Communist liberals (The Silent Generation) to express themselves. We adjourned at 3 p.m.

At 4 p.m. I hosted a Coffee Hour for faculty, at which the following visitors were our guests: Egil Abrahamsen (Scholar in Naval Architecture from Norway), George R. Allen (Associate Professor of Agricultural Economics from Oxford), Samuel D. Clark (Professor of Sociology from the University of Toronto), Paulsson Frenckner (Professor of Business Administration from Sweden), Linda Naim (Assistant Professor of Mathematics from France), Leo C. Rosten (Research Professor of Political Science from Cowles Magazine in New York), Tore Dalenius (Professor of Statistics from Stockholm University), Roger J. Elliott (Professor of Physics from Oxford University), Rafael Rodriguez (Professor of Botany from the University of Costa Rica), and Eric Lundberg (Visiting Research Professor of Economics from Stockholm). I introduced each of them, giving a little bit of background on each one's particular field of interest.

The Oakland Tribune carried an article headlined "U.C. Regents Will Meet on Albany Plea- Seaborg Hopeful" in this afternoon's edition.

The Berkeley Gazette carried a notice of the micro-wave closed circuit television linkage between UCB and UCSF of the conference January 28th-30th on "Man and Civilization: Control of the Mind", at which I will preside.

Mac Bundy called me from Washington, D.C. at my home in Lafayette at about 7:30 p.m. He said that Senator Kennedy's call to me would come in a day or so. He indicated that there is a slight complication because Chet Holifield told Kennedy that I was an ardent Nixon supporter. I explained to Bundy the circumstance of my acquaintanceship with Nixon, that I first met him when he and I were members of the group of Ten Outstanding Young Men of the Year for 1947, chosen by the U.S. Junior Chamber of Commerce, and that, as such, we met in Chattanooga, Tennessee, where the group of ten had been assembled in January of 1948. I indicated that I am a Democrat and have pretty much voted that way.

Helen attended a meeting of the Happy Valley Parents Club this evening.

Thursday, January 12, 1961

At 8:20 a.m. I called Ed Pauley in Los Angeles from my home in Lafayette to bring him up-to-date on the matter of the AEC chairmanship. I mentioned Bundy's call last night in which he described Holifield's concern that I was

an ardent Nixon supporter. I described my initial meeting with Nixon in 1948 on the occasion of the meeting of the Ten Outstanding Young Men of the Year in Chattanooga, Tennessee. I said that I have seen him many times since and, in fact, the U.S. News and World Report ran a picture of me as one of his science advisors. I reminded Pauley that I consider myself to be a Democrat and he agreed on the basis of his information about me. I indicated that I don't know Holifield very well.

At 8:45 a.m. Pauley called me back; he said he had reached Holifield and explained the situation. Although Holifield had suggested Walter Zinn and another undisclosed name for the chairmanship, he indicated he wouldn't oppose me in any way and said he wished Pauley had called him sooner to give him the information.

I then called Bundy and told him of Ed Pauley's conversation with Congressman Holifield. He said he had told Senator Kennedy about our conversation last night and that he would now tell Kennedy that Holifield is satisfied.

I then called Congressman Jeff Cohelan, who said he is delighted to support the Lawrence Hall of Science bill and that as Secretary of the California delegation and in response to a note from Congressman Sheppard, he is setting up a meeting for 4 p.m. on January 17th. I told him about my appointment with Holifield earlier that day and my intention to keep it. He said he is delighted to be involved and to help in any way possible.

When I finally arrived at my Chancellor's Office, I had time to take care of some of my correspondence there. A letter went to Clark Kerr informing him of the following appointments as acting departmental chairmen: C. D. Chrétien (Spring Semester-Linguistics) and J. A. Zivnsuka (June 20, 1961 to January 31, 1962-Forestry).

I skimmed through the 39 Major Capital Improvements progress reports provided by Louis DeMonte (which I will read later with more care). A disturbing letter from Kerr on the subject reads:

"The Coordinating Committee on Buildings and Campus Development has estimated that the size of the University 1962-63 Capital Improvement Program would be \$98,000,000 in State funds on the basis of (1) carrying forward projects partially funded through 1961-62, (2) repeating 1961-62 requests which apparently will not be granted, and (3) starting those new projects which are scheduled in 1961-66 Capital Improvement Program to receive funds in 1962-63. Judging from the State Department of Finance's analyses of the State's financial position, the University must face the probability of receiving no more than about \$48,000,000- \$50,000,000 for 1962-63. This is approximately the same amount as the Department of Finance is budgeting for the University for 1961-62. The Coordinating Committee's estimated demand of \$98,000,000 for 1962-63 includes \$12,500,000 for the several residence halls requested for 1961-62. The only foreseeable fund source, unfortunately, is the bond program authorized in 1958, which the Department of Finance is counting on to finance the 1962-63 Capital Improvement Program. Thus, an increase in capital outlay for 1961-62 could mean a reduction in capital outlay for 1962-63.

The problem facing us is seen to be even more acute in light of the new enrollment estimates for Davis, Riverside, and Santa Barbara. Those

campuses must be built more rapidly than expected when the 1961-66 Capital Improvement Program was developed. Likewise we must get started on the two completely new campuses.

I believe it is essential that the proposed 1962-63 Capital Improvement Program be reduced at least to \$75,000,000, inclusive of the residence halls, and that the \$75,000,000 be constituted to provide adequate instructional capacity as early as possible in the priority lists for the projected enrollments... A strong, cooperative effort by the Chief Campus Officers is vital in effecting the reduction and changed priorities intelligently. During January 1961, Vice President Morgan will discuss the problem with you more fully and will work with you on the 1962-63 proposals.

I suggest that close scrutiny be given to equipment needs for new buildings, with consideration of stretching the services of existing equipment and of obtaining non-State funds where possible. Over \$13,000,000 of the \$98,000,000 estimate is for equipping new buildings other than the residence halls. Also, alteration projects should be given especially critical review, with the intent of avoiding any alteration work except where absolutely required. Over \$3,000,000 of the \$98,000,000 is for alteration projects. Most importantly, the facilities being programmed into the building projects should be reviewed to assure that adequate contribution to meeting capacity needs. Also, the closer we can get to 100 per cent self-financing of new residence halls, the more money we will have for other projects."

At 11:30 a.m. I met with Bill Lederer, co-author with Bud Burdick of the screenplay for "The Ugly American", to give him my ideas on this delicate issue. There is much fear that the book puts Americans in an unjustifiably bad light.

At noon I hosted a luncheon for Richmond dignitaries at University House. The meeting was to describe our plans for the use of the Ford Motor plant and to try to improve our relations with Richmond people.

Following the luncheon I met with Clark Kerr to run quickly through a list of 27 agenda items. Following is a brief summary of those items about which we reached some conclusions:

1. Griller Quarter: Kerr agreed to follow Lincoln Constance's recommendation but asked that we add that this is "subject to such individual assignments as may be made to them during the terminal year". He will share in the decision.
2. Dean of the School of Business Administration: Dow Votaw is okay; we will talk again if he turns us down.
3. Dean of the School of Education: Kerr thinks that Theodore Reller is a good man; I mentioned a couple of other possibilities, including John S. Diekoff (Professor of Higher Education at the University of Michigan) and Brewster Smith, neither of whom Kerr knows.
4. Study of the Berkeley Campus Administration: I asked him for his opinion of Kroeger- Kerr said no on Kroeger; he thinks Cresap is better. I said I want to decentralize more on campus administration. Kerr will check on the status of the Cresap report.

5. OMP Report on Registrar: I reported on the status of our committee report on this. CK asked for a report from the campus administration.
6. Naval Biological Laboratory: He wants it relocated close to the campus in order to encourage more graduate student participation (like the Radiation Laboratory). Although he realizes that it can't change overnight, he wants us to start in the direction of strengthening ties to the campus, using the Rad Lab as a model in general.
8. Candidates for Director of the Center for Slavic Studies: I mentioned the possibility of Jim Hart; Kerr agreed that he would be good if he would be interested in the assignment. He mentioned Gregory Grossman, suggesting that we might give him the title of Chairman.
9. International Tropical Research Institute: We should draft a letter of invitation to Hobson. That is, assuming that they will finance it.
11. Molecular Biology: I briefed him on this; Kerr favors going to a new department.
12. Fundraising Chairman for the Lawrence Hall of Science: I mentioned James Zellerbach, but Kerr prefers James Black, thinking his position is more central in financial and business circles.
15. Institute of Humanities-Funds from Regent Heller: Kerr mentioned it to Heller. Heller wants to add Philosophy to the Anonymous Fund. Kerr has mentioned a Miller Institute for Humanities and Social Science and he is thinking about it.
16. Livermore Institute: Ed Teller saw Kerr this week and told him he wants a multi-department set-up reporting directly to the Chancellor. Kerr prefers that Teller report to the Dean of Letters and Science and asked that I pass this suggestion on to Carl Helmholtz.
17. Reconstitution of the Pacific Coast Conference: Kerr doesn't weigh Riverside, Davis and Santa Barbara views very highly. I explained my instructions to Pete Newell, which are not to expand in the direction of these campuses.
19. Faculty Housing: I brought up the suggestion of using some of the housing in Albany Village for faculty; Kerr said to go slow on this, that there is a memo on its way to us.
21. Free Parking Problem: Kerr has asked Tom Cunningham to look into the legislators' problem, since we couldn't say that it is payment in kind for services rendered. He noted that Berkeley is charging different fees than those recommended by the Regents, i.e., Fernwald is charging \$35 instead of \$75. He emphasized that this must be straightened out.

I told Kerr about the approach that President-Elect John F. Kennedy has made to me to serve as Chairman of the Atomic Energy Commission. Clark had mixed feelings about this, proud of the offer but sorry to lose me from the Berkeley campus.

Beginning at 3:15 p.m. I met with Lincoln Constance. I told him about Kerr's addition to the language regarding the dissolution of the Griller Quartet.

Constance gave me a copy of the December 22, 1960 memorandum from Professors C. E. Jacobs and Dwight Waldo, addressed to Dean Herbert Young of Davis and to Constance, asking whether the "no funds for organized research" dictum applies to the proposed "Public Affairs Research and Service Program" to be developed on the Davis campus 1960-61. I said I will check this out with the statewide people.

Lincoln also called my attention to a letter to him from Travis Bogard, urging the solicitation of private funds to the extent of \$50,000 to provide permanent lighting equipment for the Greek Theatre.

At 4 p.m. I walked over to Kroeber Hall to watch the premiere showing of the film made of Pablo Casals' performance here.

Helen attended a meeting of the Section Club Advisory Board at Gertrude Chernin's house this morning, then went on to a luncheon at Kay Kerr's and helped with the College Tea in the afternoon.

Friday, January 13, 1961

In my Chancellor's Office this morning I dealt with some correspondence. In response to a request from Co-Chairman Emma Kiesel, I issued the following statement regarding the Acalanes High School District Bond Issue Campaign:

"We do not have to look far to recognize the signs of the well-publicized population 'explosion' that is crowding educational institutions throughout the country. In the last academic year, the nation's high schools graduated 1,803,000 students; in 1965, the expected crop will be 2,039,000; by 1970, the prediction is almost double that number, of 6,400,000.

Here in California, the State Department of Finance expects an increase of 40% in the number of students that will graduate from the state's high schools in 1965. In our own community of Acalanes High School District, the prediction, based on present elementary school registration, is for an increase of almost 50% in the next four years.

The proposed bond issue for \$3,900,000 will cover a long-range construction program for Acalanes High School District that is, I believe, absolutely necessary if we are to be prepared to take care of this increase. We must meet the challenge of our age, and the key to this is, in my opinion, an adequate education system."

A note from Dean Rusk, in response to my letter to him of December 14, 1960, said:

The prospect is personally sobering, but I look forward to serving President Kennedy with zest and good heart. Your confidence helps."

I arranged for a copy of the PSAC Panel report on Basic Research and Graduate Education to be sent to Gerald Holton (Professor of Physics at Harvard University).

A letter from the Board of Rabbis of Southern California (comprised of 125 Rabbis of Orthodox, Conservative and Reform persuasion) expressed interest in our five-year study of anti-semitism in the United States and offered any assistance they can provide.

Elmo Morgan wrote to say that the request for 162 grams of Pu²³⁹ has been submitted to the AEC. He commented:

"I would like to thank you especially for the completeness of the supporting information you have provided. It is our understanding that you have agreed to the recommendations of your Radiological Safety Committee, and to the financial support necessary to implement them prior to the acquisition of the material."

At 11 a.m. I met with E. T. Grether to talk about his successor as Dean of the School of Business Administration. I told him that Clark Kerr and I are inclined toward Dow Votaw.

Lee McLean and I met at 11:30 a.m. about the Earl Warren Legal Center and the Lawrence Hall of Science fundraising campaign. He said that Tom Cunningham has refused to send me the memo telling me about the expenses for the LHS; if I want it, I will have to ask Cunningham for it.

At noon I was contacted by John Finney (New York Times) who indicated he has learned I am being considered for the chairmanship of the Atomic Energy Commission. I tried to be noncommittal but he obviously had been tipped off by someone.

I lunched with Harvey White at the Faculty Club to discuss the Lawrence Hall of Science plans.

About 3 p.m. I phoned Mac Bundy and told him of the leak about my offer of the AEC chairmanship. He asked me to call Pierre Salinger, Kennedy's Press Secretary, (who is in Florida) to warn him of the leak and ask him for advice on how to handle the press. Bundy indicated that Senator Kennedy will get in touch with me this weekend.

I phoned Salinger immediately and I gave him my itinerary for the next week, providing him with phone numbers at the Rockefeller Institute in New York and at the Statler-Hilton in Washington, D.C. so that he could reach me if he needs to do so.

At 3:15 p.m. I met with Dow Votaw to explore his interest in the deanship of the School of Business Administration.

I called Bill Wurster at 3:30 p.m. to let him know about the Budget Committee's recommendation that an ad hoc committee be appointed to discuss criteria for appointment and promotion in and the future development of the Department of Architecture. He thinks this is a good idea, and gave me some names for possible service on the committee.

Bob Sproul called me about 5 p.m. to let me know that he has received another call from Tom Chamberlain, Controller of the Willis Booth estate, who told him that the "upper" committee (that had vetoed our request for support of the Earl Warren Legal Center) involved the Hanover Bank which has been taken over by the Morgan interests and other investment interests, who wouldn't give a

penny to anything Warren is connected with. Sproul is calling his brother to see if he can help and if anything comes out of it, he will call me at the Rockefeller Institute on Monday.

Helen took Steve's Cub Scout den to the Walnut Creek roller skating rink this afternoon.

Saturday, January 14, 1961

At about 8:45 a.m. I received a call from John McCone who urged me to accept the chairmanship of the Atomic Energy Commission and indicated he had been one of those who suggested me. He asked how the matter stands now; I indicated in a general way the present status.

McCone indicated that the job really has two areas of responsibility: 1) the role as Commissioner, and 2) the role of chairman as policy maker which is subject to the arrangement made with the President. He said that Gordon Dean functioned pretty much only in role #1, while Lewis Strauss carried it further toward role #2; he (McCone) went even further toward role #2. He met with the National Security Council and with the Cabinet ex officio, as well as with the Committee of Principals (consisting of the Secretary of State, the Secretary of Defense, the Chairman of the AEC, the Director of the CIA, and the Special Assistant to the President for Science and Technology) and with the Operations Coordinating Board.

He said there are arguments in favor of both ways of doing it. He indicated that I should have a clear understanding that it is the chairmanship which Kennedy is offering because he doubts that I should leave my present responsibilities for an ordinary commissionership.

He also indicated that I should take the time to put things in order in Berkeley before I leave, even if this makes it necessary to have an acting chairman for a few weeks. He said he would like to get together with me for a day or two. I told him about my next week's schedule which will bring me to Washington where I plan to be until January 20th. He did indicate that he had cleared me with the key people on the Hill before he offered me a commissioner's job last spring.

Today's San Francisco Examiner carried an article headlined "Seaborg Leading Contender for AEC Post". It is most unfortunate that this leaked out before I have had the opportunity to talk with President-Elect Kennedy about his offer.

At 10:30 a.m. I met with AAWU presidents and chancellors at the San Francisco Airport (Concourse C, Room 108) to discuss the issue of expansion of the AAWU to include schools like Washington State, Oregon, and Oregon State.

I took advantage of the opportunity to talk with Franklin Murphy about some other things. He said he is asking Vice Chancellor Bill Young to go full-time in this position and also to handle some business and finance with a young administrative assistant, who might take over in nine years when Young retires.

We also talked about President Kerr's memo about the faculty general salary increase. He recommended more at the upper end (i.e. Professor Step IV); I explained my philosophy that it should be continuous, i.e., Professor I to above-scale. I said that we have recommended raising the lower end of the salary scales in this particular case.

I was interested to read, among the papers I brought home from my Chancellor's Office, a suggestion made by Curtis G. Elliott, the elevator operator at Sather Tower (the Campanile), which was conveyed to me by ASUC President George Link. To try to prevent more suicides, Elliott wrote:

"I suggest the installation of a glass partition with chicken wire in the glass, from the floor to about six or seven feet above the present railing to act as a windbreak for visitors. I think one panel might be clear plate glass (or with a round hole in it) for those who take pictures. Then, above the glass, put open (regular) chicken wire all the way to the top of the arches on each side, to let the sound of the chimes be heard over the Campus, and also, to keep out the pigeons, who roost on the bells each night, which necessitate extensive cleaning every morning. Without the upper chicken wire, the outside of the glass (grill work or whatever is used) would be continually dirty, and exceedingly difficult to clean, as there is no water whatever in the Tower at present, except what is carried from Bacon Hall. The upper chicken wire would not be visible from the ground.

I do not believe that the expense would exceed any other alternative, and would be more satisfactory from every standpoint. It would then not be necessary to maintain a student guard at the top, and I could go up occasionally during the day to see that all is well. I respectfully offer this suggestion and hope that it might contribute somewhat to a serious solution to a baffling problem.

Elliott is clearly the sort of employee which the University values greatly. Although his duties (in addition to elevator operator at the Tower) are janitorial, he does not regard his work as strictly manual, but applies his intelligence to solutions to problems encountered. I believe that Elliott must also be quite upset about last week's suicide; I believe he talked with the young man enroute to the top.

Sunday, January 15, 1961- New York

Leaving on United Airlines Flight #800 from San Francisco at 8:45 a.m., I travelled to New York (arriving at Idlewild at 4:45 p.m.) for a meeting of the President's Science Advisory Committee at the Rockefeller Institute. I spent the night at the Institute.

Monday, January 16, 1961

I attended the PSAC meeting at the Rockefeller Institute in New York.

At about 12:20 p.m., I received a call from Ralph Dungan (Democratic National Committee in Washington, D.C.). Dungan said that "the Senator" wants me to be Chairman of the AEC and asked me if I could now give him an answer. He said the Senator had tried, unsuccessfully, to reach me over the weekend.

I said before making up my mind I had a few questions and he said, "Such as, who will the other commissioner be?". I said, "yes." He said the Senator will consult me on this but that the Senator would like to pass on the idea of this being a young scientist, who could thus be trained for further important work in Washington. I said this would fit my ideas fine.

A.E.C. JOB OFFERED TO COAST CHEMIST

Dr. Seaborg Silent on News
—Two Others Considered
as Board's 5th Member

By JOHN W. FINNEY

Special to The New York Times.

WASHINGTON, Jan. 13—Dr. Glenn T. Seaborg, chancellor of the University of California at Berkeley and a Nobel laureate, has been offered a post on the Atomic Energy Commission by the Kennedy Administration, Congressional sources disclosed today.

There was no immediate indication whether the 48-year-old chemist would agree to serve on the five-man commission. In a telephone interview from Berkeley, Dr. Seaborg said:

"I am not free to say anything at this point."

Dr. Seaborg, who has pioneered in the discovery of transuranium elements such as plutonium, would become the scientist member of the commission but not necessarily the chairman. There were reliable indications that the Kennedy Administration might delay for several weeks the selection of a chairman to succeed John A. McCone.

There are two vacancies on the commission. Under the atomic energy law, one of the five commissioners is chosen by the President to be chairman.

2 Scientists Mentioned

For the fifth vacancy on the commission, two other noted nuclear scientists were reported by Congressional sources to be under serious consideration. They are Dr. Henry D. Smyth of Princeton University, and Dr. Walter H. Zinn, vice president of the nuclear division of Combustion Engineering, Inc. of East Windsor, Conn.

Both scientists were understood to have the strong endorsement of Representative Chet Hollifield of California, the incoming chairman of the Joint Congressional Committee on Atomic Energy. However, it was reported, no formal offer has been made to either scientist, although there have been informal soundings about their availability.

Under the atomic energy law, there is no requirement that one of the commissioners be a scientist or that each political party be represented on the commission. It has become a tradition, however, that at least one of the commissioners be a scientist and that there be bipartisan representation on the commission.

Now Lacking a Scientist

The commission has been without a scientific member since the resignation of Dr. John H. Williams in May because of illness. With the resignation of Mr. McCone on Jan. 20, the commission will be composed of one Democrat, John A. Graham, and two Republicans—Loren K. Olson and Robert E. Wilson.

The three scientists under consideration as commissioners all have been closely involved in the atomic energy program.

During World War II, Dr. Seaborg was a key figure in the first production, separation and chemical analysis of plutonium. It was on the basis of his work on minute amounts of plutonium that the huge reactors were built at Hanford, Wash., to produce the fissionable material for weapons.

After the war, Dr. Seaborg continued his research in producing man-made elements heavier than uranium. It was for this work that he shared the Nobel Prize in chemistry in 1951 with Dr. Edward M. McMillan of the University of California.

Dr. Smyth served as a consultant to the Manhattan atomic-bomb project in World War II. Immediately after the war he wrote the noted "Smyth Report" on the development of the first atomic bombs. He served on the Atomic Energy Commission from 1949 to 1954.

Dr. Zinn worked with Enrico Fermi in building the first atomic pile at the University of Chicago during the war and helped build the plutonium reactors at Hanford.

I said that the question of Kennedy being accessible to me is very important because of the great responsibility of the position and that perhaps I should have access to the National Security Council, etc. Dungan said this was contemplated, although it may be a different body or bodies than now because the Senator might change the setup. I asked him to mention these points specifically to Kennedy and he said that he certainly would.

I said I might need a few weeks to take care of my affairs at home and that perhaps Commissioner Wilson should be appointed as Acting Chairman. I also mentioned my need for Kennedy's backing if any reorganization of the Commission is needed and he said he thinks this would be forthcoming. Dungan said he will call Kennedy immediately to convey all of this information and that I could be in the official party at the inauguration. I indicated that, on the basis of this conversation, I am now accepting the position of Chairman of the Atomic Energy Commission.

At about 1:20 p.m. I received a call from Pierre Salinger, who is in West Palm Beach. He wanted biographical information on honors received, my chancellorship, field of research, etc., which I gave him. He asked if I am a registered Democrat and I said that I am, but that I would prefer not to emphasize political affiliation. Salinger said he would answer any query on this by saying he "understands I am a registered Democrat" or he "believes I am a registered Democrat." He said the announcement would be released for the morning papers.

I then called Clark Clifford in Washington to talk to him in his role as the man Kennedy has asked to work on the transition from the Eisenhower to the Kennedy administration. I indicated that I would like to talk to Chairman McCone as early as Wednesday, but want to be sure that this is proper. He said that this is in order and that tomorrow he will call Persons, who will call McCone, then I can call McCone directly to make arrangements.

I discussed with Clifford my industrial consultantships and stock holdings. He indicated I should resign my consultantships and make arrangements so that my stocks would be handled without any direction from me. I explained that I have an investment counselor, who fulfills this requirement. He indicated that I could be with the official party on the stage at the inauguration.

I called Ed Strong and told him to take my briefcase of papers home with him tonight, that this will become his responsibility now, etc. (This probably exceeded my responsibility.)

Tuesday, January 17, 1961- New York- Washington, D.C.

I met with Thomas G. Chamberlain and William A. McRitchie (Booth Foundation) and Hosmer Cochran (Morgan Guaranty Trust Company) in the New York offices of Morgan Guaranty Trust Company at 140 Broadway. I gave them the material that Lee McLean gave me and explained it to them. It seemed to go off well; they did not ask any questions that were too difficult. No conclusion was reached then. They were to go into Executive Session after I left.

I then flew to Washington, where Harvey White and I met in the Old House Office Building with 26 out of the 30 Representatives in the California delegation to describe the plans for the Lawrence Hall of Science and the bill we are trying to push for its support. Senators Engle and Kuchel were not present. Congressman Chet Holifield presided at the meeting.

From 5:30 p.m. to 6:15 p.m. I met with Holifield in his office (Room 1235, Old House Office Building). He expressed some doubts about the Lawrence Hall of Science bill, saying that he thinks everyone would want such a bill. I explained the uniqueness of the financing and national implications.

He then went on to tell me frankly that he had been skeptical over my appointment and had favored either Wally Zinn or Harry Smyth due to their greater knowledge of nuclear power reactors. He also indicated he had doubted my politics. I explained in general my politics and also my chemical knowledge of nuclear power and my over-all knowledge of nuclear weapons, radioisotopes, research, etc. We discussed a number of areas, such as public vs private power, nuclear weapons testing, the question of safety regulations for nuclear power, the organization of the AEC, and the need for a civilian General Manager. I expressed open-mindedness on all of these.

He told me about the legal requirements to keep the Joint Committee on Atomic Energy informed on AEC matters. He suggested that I call on Senators Anderson, Gore, Jackson, Javits and others, suggesting that I should also call on some of the Representatives, or at least write notes to them. We ended our meeting on a quite friendly note and agreed we should be able to work together even though we might not always agree.

I met with the Board of Directors of the Nuclear Science and Engineering Corporation for dinner from 7:30 p.m. to 9 p.m. at the Fairfax Hotel. I did not stay on for the Board meeting, resigning as a member formally as of this date. I asked Ron Brightsen to sell my 1400 shares of NSEC stock at \$7 a share and promised to send him my stock certificates as soon as possible.

Wednesday, January 18, 1961 - Washington, D.C.

I met with the AEC Chairman John McCone in his office at the AEC Germantown headquarters from about 10 a.m. until about 1 p.m. During this time we discussed a great many items. He pointed out that there are no perquisites (such as entertainment or moving expense funds, etc.) to go with the chairmanship except a car with a security guard as driver. He indicated that he thinks someplace between Germantown headquarters and the H Street office, such as Chevy Chase or Bethesda, would be a good place for me to live.

He gave me a list of his key personal staff and their qualifications, indicating that they will all be willing to stay on with me, at least until I have made up my mind about them. He said he has an extremely high opinion of Howard Brown, his Special Assistant. He also indicated that Mildred Cecil is a good secretary but is overworked and needs to be relieved of some of her duties. He said that too much work goes through the General Manager's office, making a sort of bottleneck which slows down decisions. I said that I would like to keep his driver, Jim Haddow. He also identified for me personnel on the AEC staff that he thinks might be replaced. He feels that General Manager Alvin Luedecke is a good, steady, extremely hard worker. He said that arrangements are being made to have Commissioner Graham serve as Acting Chairman until I come on board.

General A. D. Starbird (Director of the Division of Military Application) briefed me on the nuclear weapons testing program.

I went around to visit a number of key staff people such as Dr. Paul McDaniel (Director of the Division of Research), Dr. S. G. English (Deputy Director of the Division of Research), Dr. Dan Miller, Abe Friedman, Dr. Arthur Ruark, and others.

McCone assembled a group of about 40 key people in his office, including division leaders, and I spoke a few words of greeting to them.

About 2 p.m. I paid a courtesy call on Senator Clinton Anderson in his office. I indicated to him that I realize he had another candidate for the chairmanship of the AEC but that I hadn't sought the job. He was quite friendly, said that he understood and that he thinks we should be able to work well together.

He then took me over to the Joint Committee meeting room in the Capitol where the Committee was to hear Chairman McCone's last statement. Before the meeting, which I didn't attend, I met and greeted Senators Pastore, Gore, Jackson, Hickenlooper, Dworshak, and Bennett and Representatives Holifield and Price.

The Washington Post carried a complimentary editorial, titled "Mind Over Matter", about my appointment as Chairman of the AEC:

"The choice of Glenn T. Seaborg to be chairman of the Atomic Energy Commission is a piece of natural casting. Dr. Seaborg is a nuclear scientist of the very first rank, the winner of a Nobel Prize in chemistry for his discovery of transuranium elements. He is an administrator of proved capacity, chancellor of one of the Nation's great universities. He is an engaging and imaginative personality who can be counted on to add verve to the Kennedy Administration.

The only question left to ask about this appointment is whether the AEC is right for Dr. Seaborg. He must see it as a tremendously challenging opportunity for public service to let it lure him away from the chancellorship of the University of California at Berkeley--a prized office which he attained only a couple of years ago and which itself has great potentialities for service. Indeed it is a challenging opportunity--of immeasurable importance both to the military security of the United States and to the hopes of mankind for an enriched and productive future.

It can also be, as it has been for the last two chairmen who occupied the office, in some respects a limiting and deadening enterprise. Perhaps it was because of the narrow outlook of the Administration in which they served, perhaps it was because of the somewhat constricted horizon of the AEC and the weight of responsibility in this area; but the lamentable fact is that apart from their constructive accomplishments the agency's recent chairmen have engaged in considerable foot-dragging on proposals for disarmament or for the cessation of nuclear testing. The chairmanship of the AEC calls for extraordinary dynamism. Dr. Seaborg has it; we hope he will be able to keep it."

In the evening I attended the meeting of the Ad Hoc Committee on the Government Responsibility for Renovation and Reconstruction of Laboratories of the National Science Board, from which I will be resigning now.

Thursday, January 19, 1961 - Washington, D.C.

I rented a morning coat and top hat this morning to wear to the inaugural ceremony tomorrow.

Around noon I met with Senator Anderson and Edwin W. Pauley in the Senator's office. This was essentially a meeting for the purpose of getting further acquainted with Anderson, who pledged his cooperation and friendship. He explained in some detail the background of his differences with Lewis Strauss and, in particular, the circumstances that led to his opposing the appointment of Strauss as Secretary of Commerce.

After the meeting I had lunch at the Mayflower Hotel, where I ran into Harry Truman. I took advantage of the opportunity to renew the invitation to him to speak at the Berkeley campus.

In the afternoon I went over to the AEC's H Street Office, where I was briefed on a number of matters by Dwight Ink and others.

I talked by phone to Jerry Wiesner who is already on the job as President-Elect Kennedy's Science Adviser. We discussed the hydro-nuclear testing matter that needs to be resolved; he and I agreed to discuss it with Mac Bundy and then with Secretaries Rusk and McNamara.

At 5:30 p.m. I returned a call from Hepburn Armstrong, who called to inquire about "a high level post with the AEC". Armstrong, who is from Wyoming, has a personal recommendation from President-Elect Kennedy. He is a UCB graduate, past president of a uranium company, and thinks he is qualified to be head of the AEC International Division. He ran for representative-at-large in Wyoming and lost by only 1%, running 12% ahead of Kennedy. He said some of the AEC people are political, whether or not my staff knows it. I said I would look into it. Regarding his application for a job, I asked him to call Howard Brown.

Later in the afternoon I talked with Chairman McCone again, continuing our discussions of Tuesday. We talked about a number of items, including nuclear weapons testing, the public vs. private power controversy, the status of the regulatory function which is now under the General Manager but should be separated soon as an autonomous function, the IAEA, EURATOM, etc. McCone indicated that the question of resuming nuclear weapons testing is one in which the JCAE is very interested, and that I should be prepared, at my confirmation hearing, to respond to questions on topics such as this and on the question of public vs. private power.

During the evening I attended the Inaugural Gala at the Washington, D.C. Armory. There had been a very severe snowstorm during the previous night, making it almost impossible to go from place to place in Washington. I had to wait for over an hour for my driver to pick me up at the Statler Hotel where I was staying, and it was only with difficulty that we were able to get to the Armory. The Gala was attended by President and Mrs. Kennedy and many of the key members of his Cabinet and agency heads. After the affair was over it was very difficult to get back to the Statler; I had to wait about an hour, in and out of the cold in front of the Armory, before my driver was able to work his way around to where he could pick me up.

THE BERKELEY REVIEW

January 19, 1961



Physicist Glenn T. Seaborg, left, was named this week to become the new chairman of the Atomic Energy Commission. Philosopher Edward W. Strong, right, will become acting chief campus officer for the University of California's Berkeley campus until a successor is chosen for Chancellor Seaborg.

Friday, January 20, 1961- Washington, D.C.

Decked out in morning coat and top hat, I attended the Inauguration of John F. Kennedy as President of the United States, sitting with the official party on the stage. I saw several of my friends who are part of the new administration: McGeorge Bundy, Dean Rusk, Robert McNamara, etc. There was some excitement when the poet Robert Frost spoke--a fire at the rostrum which was quickly extinguished. President Kennedy gave a very thrilling inaugural speech, well-delivered with good content, including a powerful line- "Ask not what your country can do for you, ask rather what you can do for your country"- which seemed to have great appeal for the crowd.

Following the Inauguration I went to the Metropolitan Club for lunch as the guest of Najeeb Halaby (incoming Administrator of Federal Aviation Administration). Paul Nitze (an incoming member of Secretary McNamara's group in the Department of Defense) also had lunch with us.

After lunch I went to the reviewing stand in front of the White House where I had a reserved seat. I introduced myself to Attorney General Robert F. Kennedy, who greeted me very cordially and then brought his brother, President Kennedy, up to meet me. This was my first meeting with President Kennedy; it was a very cordial one. He indicated that he is very happy that I have agreed to serve his Administration in the capacity of Chairman of the Atomic Energy Commission. He asked that I find another scientist to fill the Commission vacancy as soon as possible so as to bring the AEC membership to the full strength of five members.

Saturday, January 21, 1961- Home again

I flew to San Francisco, arriving at my home in Lafayette about noon. Members of the press were waiting for me there to ask me questions about my new job and about the inauguration yesterday. A reporter from the San Francisco Examiner also asked Helen and the kids a few questions about how they feel about moving.

Helen showed me the editorials which ran in the San Francisco papers on Wednesday. The Examiner said:

"Nuclear Deadlock and Dr. Seaborg

The appointment of the University of California's Dr. Glenn Seaborg as chairman of the Atomic Energy Commission may have a far reaching impact on the related world issues of nuclear test banning and mutual nuclear arms inspection.

It is a function of the AEC's chairman to act as the President's chief advisor on these deadlocked problems. Since the AEC is a going concern, it is logical to believe that President-elect Kennedy wants the UC Chancellor and chemistry Nobelist more for the advisory function than for administrative work.

Doctor Seaborg is a moderate who has said little publicly about the nuclear deadlock but whose views reportedly have not always coincided with colleagues in the scientific world to whom the outgoing Administration

listened. At any rate, he will bring a fresh and vigorous mind to one of the cold war's knottiest problems.

Our best wishes go with him as he assumes a post of concern to every living human. The extent to which he will break his ties with UC is not clear. We hope that he intends to return one day, for his are talents that should never be separated too far from the laboratory and the classroom."

The Chronicle editorial, headlined "Glenn Seaborg- A Happy Choice" was equally flattering:

"Upon the appointment of Chancellor Glenn T. Seaborg as chairman of the U.S. Atomic Energy Commission, the University offered 'sincere congratulations' to President-elect Kennedy.

This is a notable deviation from ordinary procedure, in which the appointee, not the appointer, receives the congratulations- but we would not question its fitness. A better choice for such a spot at such a time seems hardly possible.

In Glenn Seaborg we have the pre-eminent nuclear scientist, winner of both the Nobel and Fermi awards, the discoverer of plutonium and developer of mass-production methods for this essential material, a trail-blazer in the field of nuclear chemistry, long-time member of the advisory committee to the commission he will now head, a member of the President's science advisory committee.

For all his achievements in his special field, he has interests that range far beyond the laboratory walls- philosophy, literature, football and golf. His skill as a negotiator was well-established during his tenure as the university's delegate to the Pacific Coast Conference. As an administrator he proved himself as associate director of the Lawrence Radiation Laboratory and as chancellor of the university.

Of incalculable importance in the delicate job he now assumes is the habit of mind of Dr. Seaborg. His associates know him as a meticulous investigator, a tireless delver for the facts on which to base his judgments. So far as they know, he has thus far reserved opinion on the prime questions that now lie in the lap of the AEC- the resumption of nuclear weapons tests, the public or private development of atomic power.

We find it also reassuring to hear from the same sources that "Seaborg knows the necessity for disarmament because he knows what nuclear bombs can do."

For himself, the new chairman said upon accepting the appointment: "My only hope is that I may be successful in meeting my great responsibility." Though that responsibility entails a fateful review of the Eisenhower decision to resume nuclear weapons tests, and though it embraces the whole field of international affairs, the men who know and have worked with Glenn Seaborg say confidently that he will indeed succeed."



January 21, 1961

The photographers were especially interested to get a picture of me feeding a bottle of milk to baby Dianne (who had been handed to me by Helen). (This picture had national news coverage.)

Sunday, January 22, 1961

The kids were pretty excited this morning to see a big picture of the family in the San Francisco Examiner and to read the article which quotes them:

"The Seaborg Clan---Off to D.C.

Like many another husband and father, Dr. Glenn T. Seaborg finds his family unenthusiastic about moving to a new job in a new town.

Seaborg leaves for Washington within two weeks to become chairman of the Atomic Energy Commission.

But his family doesn't want to go.

His wife, Helen, 43, and some of his six children made that plain yesterday.

Back Again

Seaborg returned to his Lafayette home after a week in New York and Washington that saw him appointed to the high position and twirling at the Inaugural Ball- three times around the floor with somebody's daughter.

You would think he had come home after eight hours at the office- the University of California, where he was chancellor.

He was greeted with reserved delight, but not effusiveness. Even his son, Peter, 14, dragged himself out of bed, where he was recovering from a cold.

Mrs. Seaborg and the children: Peter, Lynne, 13; David, 11; Stephen, 9; Eric, 6, and Dianne, 1, find it difficult to pull up the roots they put down when they built their modern redwood home in Lafayette.

For Ten Years

'We've been here 10 years,' Mrs. Seaborg said. 'We have kind of deep roots. We haven't had time to make plans but I will stay here with the children until school is out. Then we will rent our home.'

She didn't look happy about it.

'The only thing mother could say when she heard the news,' said daughter Lynne, 'was "all that packing and moving." I have mixed feelings about it. I don't like the weather in Washington. And I'll have to give up all my friends.'

Rangy Peter had the same opinion.

Nice Place

'Washington,' he said, 'is a nice place to move to if you have to move any place, but I don't like to leave here. It's a lot better that we don't have to move in the middle of the school year.'

Even David is reluctant to go.

'I'd like to take a vacation in Washington,' he said, 'but I wouldn't like to live there permanently.'

Mrs. Seaborg had difficulty describing her feelings when she learned that her Nobel Prize winning husband had been appointed to such a position of trust.

'I was very excited,' she said thoughtfully. 'But, like the children, I enjoy it here and the thought of leaving...'

One of the main concerns of the children is what will happen to their pets- only two of which are named- Cricket the dog, Squeeky the hamster, the gopher snake and the two tortoises.

'I don't know what father says, but I know what the kids say,' Mrs. Seaborg remarked with a gentle smile.

'Take 'em,' Stephen piped up.

The beetle-browed Seaborg showed his first sign of animation.

'We'll take them', he said. 'They'll probably have one in each pocket. And David will probably ask some lady to hold his snake for him.'

Seaborg, who received the AEC's \$50,000 Enrico Fermi award for his work in nuclear chemistry in 1959, had only a brief comment on his new job, to which he was appointed by President Kennedy.

'It is a great challenge,' he said. 'Certainly the problems include the development of economic nuclear power and overseeing all of the wide range of research project the commission carries on.'

'First I must get familiar with the job. Any plans will have to wait until I become acquainted with the present status of all the manifold affairs the AEC is engaged.'

'But the hardest part will be leaving my family, living alone for awhile.'

He gave his family a tender smile.

They smiled back."

I spent some time catching up on reading from the Chancellor's Office today. My responsibilities as Chancellor have not been transferred yet. I was pleased to receive a very nice note from Charles Snow, who wrote:

"... We shall be very hurt if you don't let us know when you are next in London. We should like to give a party for you both. London can't produce quite the brilliant scientific society of Berkeley, but in other respects it is still quite lively, and I think we can find some people you would like to meet.

I was very much impressed by Jerry Wiesner. I thought him one of the wisest, toughest men I have met in the United States."

Pete Newell wrote me a long lucid memo describing changes in the regulations of the NCAA, which were passed at the recent meeting in Pittsburgh. His letter concludes:

This was my first NCAA meeting, and between the amendments to the amendments and the amount of trivial argument over insertions and whether it should be and/or or or , I feel I caught on fairly well. It was an experience, however. I hope you find this report complete enough, but as I have stated, please let me know if you feel that I am leaving you in the dark on any of these issues. We won't get an official notification from the NCAA for some months, but I feel it necessary to invoke immediately the recruiting rule relative to the alumnus visiting with the student at his expense. At least, this was the impression I received at the meeting, that it took immediate effect, so rather than risk a future problem in this regard our coaches have been notified of the existence of this new recruiting rule.

I would like to take this opportunity to offer my sincere congratulations on your recent appointment to the AEC Chairmanship. Your appointment to this new post is a great loss to the University of California and its entire program, the least of which is our Athletic Department. However, I know that in these days of international tensions the leadership needs in all areas were never more apparent, and your elevation to this extremely important position lends further strong indication that we are preparing with our front line troops to meet these emergencies. We will all miss you here a great deal, but there certainly is reassurance in all our minds that this important task, so closely related to our nation's future and our hopes for peace, is in the best possible hands."

I received a telephone call from Mrs. Thomas Parkinson, who wanted me to issue a public statement commending her husband's character and expressing the esteem in which he is held at the University. She thinks this is necessary because of the remarks made by Farmer in giving his reasons for his attack on Parkinson. I sought to impress upon her that we are concerned about what to do in the best interest of Tom. I said that I will be glad to talk with Travis Bogard to see if he thinks such a statement should be made.

I played nine holes of golf at the Contra Costa Country Club with Dan Wilkes and Stan Thompson. Our scores were Dan, 43; Stan, 47, and me, 49.

Monday, January 23, 1961

As is my custom on Mondays, I spent the morning at the Radiation Laboratory. There was quite a lot of excitement there about my appointment as Chairman of the AEC (which funds the Laboratory).

I signed a letter that had been prepared for my signature, nominating Melvin Calvin for the 1961 Nobel Prize in Chemistry for his contributions to our knowledge of photosynthesis.

I also signed a large number of letters resigning various consultantships, memberships on boards of directors, etc.: to the Basic Science Foundation, to Bell Laboratories, to the U.S. Rubber Company, etc.

I then went down to the Chancellor's Office, where there was also a lot of excitement about my new job, I signed a letter to Burt Moyer, congratulating him on his receipt of the Alumnus of the Year award from Seattle Pacific College.

Kitty showed me last Wednesday's Berkeley Gazette article titled "Philosopher to Fill Seaborg Position" which reports Ed Strong's appointment as Acting Chancellor. The article quotes Ed as saying,

"My new job will include a little of everything. It's almost as hard to tell you what are the duties of the chancellor's job as it is to explain what it is to be a philosopher."

Ed has taken over all of my appointments for the day and is reading that correspondence which is addressed to me as Chancellor and not personally.

At about 4:30 p.m. I called Frederick Burrill to see if I could get out of service on the selection jury for the California Scientist of the Year Award. We agreed that we would handle picking the winner by phone, just as we did last year. They still want me to make the presentation on May 11th, and are willing to pay my travel expenses from Washington.

Tuesday, January 24, 1961

Once again I spent the morning at the Radiation Laboratory to take care of some business there. I signed letters extending the appointments to work on CHEM Study to the following people: David Ridgway, Joseph Davis, and Lloyd E. Malm.

I also signed a letter supporting the nomination of Ken Pitzer as a fellow of the American Nuclear Society.

I responded to a letter from Edwin L. Zebroski expressing interest in a position with the AEC, by saying that I will need to find out more about the existing organization before making any changes or additions to the staff.

To my former student Robert Carr at Washington State University I wrote advice on how to pursue his search for another academic job in nuclear chemistry (he wants to leave Washington State University).

I called Jerry Wiesner in response to a note about my PSAC Panel report; it was really primarily a courtesy call, since he and I will be working as colleagues in the Kennedy administration.

I went down to campus in time to preside over my weekly Cabinet meeting. We discussed the case of James Creighton, an "A" student in ROTC who received an "F" in the course as a result of picketing in uniform. He is appealing and this will go to the Academic Senate, both North and South, and be voted on by mail. His case will then go to the Regents.

Alex Sherriffs reported that the two student groups (Cuba and Migratory Workers) have not yet been told whether or not they will be recognized, pending a clear statement on recognition policy. The Dean of Students wants to decide these matters on an ad hoc basis. Kerr has indicated that it is a campus matter and understandably doesn't want to change the student directives at this point.

Edward L. Barrett (Professor of Law and consultant to Kerr) and Jack Oswald have indicated in discussions with Alex that they would like us to say that we are responsible for students' living environment and therefore we take responsibility for living groups (fraternities, sororities, residence halls); and that we also feel honorary societies (national or local) are organs of recognition for scholarship. Therefore, we would give our endorsement to these two groups. Also, that departmental organizations (divisions and colleges as well) which have a purpose entirely within the discipline of the department and within the interests of the University, should also be endorsed. There are many problems, however, to be ironed out concerning this third group. All others may use campus facilities but do not have the right to use the University's name and do not have the right to membership meetings on campus (collecting dues, election of officers, etc.). Obviously, this form of policy will take some time to develop. In the meantime, it was tentatively agreed that we will say that the policy on recognition is under review and until it is formulated no new group will be recognized.

We decided that I will issue a "Letter from the Chancellor's Desk" as a farewell and that we will try to arrange a University Meeting in February, for which I would come back from Washington, D.C., to give a farewell address to the students.

I then went over a long list of pending matters on the campus, reviewed the status of each, and expressed my feelings about the way in which these should be developed. I emphasized the importance of several projects, including the Marine Biological Laboratory, the establishment of a Department of Molecular Biology, the NSF project for the development of a science course for non-science students, the Lawrence Hall of Science, the Space Sciences Laboratory, the Computer Center, and the removal of the 60-Inch Cyclotron to the Davis campus. I passed out a memo giving my thoughts on each of these and several other matters.

The meeting was briefly interrupted by a call from Herb York, who is in Washington. We discussed a number of names for replacement in his job as science advisor to the Department of Defense in Washington and for the fifth AEC Commissioner position. He asked me to let him know immediately if I decide on Charles Townes.

At 2:30 p.m. I received a call from Lawrence Spivak (Wall Street Journal and "Meet the Press"). He invited me to a White House correspondents' dinner at the Sheraton Park Hotel on February 25th, at which President Kennedy will speak. I told him I have several other invitations for that date, and will have difficulty deciding which to accept.

Howard Brown (John McCone's office) called at 3:30 p.m. He said that he has been in touch with Iz Perlman about my biographical summary and that everything is fine, but he thinks we should include something about my directorships in various corporations, etc., since these will surely come up at my confirmation hearing. I told him that I have resigned from all such posts--namely, Board of Directors of the Nuclear Science and Engineering Corporation, Consultant with U.S. Rubber Company and consultant to Bell Laboratories. He also said that there may be questions about my administrative experience, and he said I should delineate my administrative responsibilities in detail--as Chancellor and as Associate Director of the Radiation Laboratory.

Clark Kerr and I met at 4:30 p.m. He asked me for a copy of the series of recommendations I am making on some 20-odd pending matters on the Berkeley campus.

In talking about my retirement papers, I alluded to the three years I lost during the War, which means that I have to pay a lot more now. He will look into it.

Clark promised me that he will personally take over the Lawrence Hall of Science project.

I expressed the feeling that the Chancellor should have more high-level academic help (vice chancellors), with which he agreed but said he is still worried about budgeting additional positions.

Wednesday, January 25, 1961

I am spending more of my time at the Radiation Laboratory than on campus these days, allowing the Chancellor's Office staff to adjust to the transition to Ed Strong's leadership and relying on the staff in the Nuclear Chemistry Division (Doral Buchholz, in particular) to help me clear up pending matters and respond to inquiries resulting from my appointment to the AEC.

I dictated a letter to President Eisenhower:

"May I take the liberty of writing to thank you most sincerely for the privilege and pleasure which you have given me of serving as a member of your Science Advisory Committee for the last two years. I have valued very much the Committee's discussions with you and have been most impressed by your views on the importance of basic research and the place and importance of science in the Federal Government.

I am particularly grateful, as chairman of the PSAC's Panel on Basic Research and Graduate Education, for your fine endorsement of our Report, 'Scientific Progress, the Universities, and the Federal Government'. This launched the Report in such a manner as to give it maximum effectiveness, and I am pleased to say that it has had a uniformly favorable reception.

May I wish for you and Mrs. Eisenhower most joyous and pleasant years in the future."

I also dictated, at the request of Richard H. Belknap of the American Chemical Society, a short statement in support of Chemical Abstracts:

"Chemical Abstracts is indispensable for keeping abreast of scientific developments. It deserves our support in its efforts to maintain the thoroughness of its coverage in face of the explosive rate of increase in scientific publication."

I wrote to Ed McMillan resigning my position as Associate Director of the Radiation Laboratory and commenting:

"I am sure that you and your associates realize how much my association with the Laboratory, in this and other capacities, has meant to me.

As you know, I do hope to return sometime in the future and hope that this will not be in the too distant future."

Earl Hyde had drafted for me the following introduction to the Spitsyn lectures to be published by the National Research Council, which I sent to Wayne Meinke with a personal cover letter:

"The exchange of scientists between the USA and the USSR under the terms of the Bronk-Nesmeyanov agreement is an encouraging development. World War II interrupted the relatively easy international travel of scientists and the easy exchange of basic scientific information for many years. Since the war, many of the prewar conditions have been restored, but between the western nations and the USSR impediments to the exchange of views in print and in person have remained greater than is best for our common good. Part of this impediment is traceable to language difficulties. We in American science have not until recently taken seriously enough the necessity for many of us to master the Russian language, which now must be regarded as one of the foremost languages of science. Part of the difficulty is traceable to the Russian system of research progress journals which are not all known or available in this country. The visit of Academician V. I. Spitsyn to the United States provided those of us who heard his lectures or talked with him privately the opportunity to get well briefed on the status of important Russian work in the fields of chemistry, radiochemistry, radiation chemistry and related fields. I am pleased that Professor Spitsyn has courteously extended permission for the publication of his lectures so that their valuable contents may be more widely available to American scientists."

In my Chancellor's Office I was very pleased to receive a nice note from Delmer Brown (Chairman of the Department of History) thanking me for my recent assistance to two programs of special interest to the History Department: the history of science and Slavic Studies. Brown wrote that Thomas Kuhn has decided not to go to Cornell, and that Martin Malia and Nicholas Riasanovsky are more enthusiastic now about the prospects for Slavic studies on the Berkeley campus.

Ed Teller called me at 4:30 p.m. to let me know that he is going into the hospital this evening, but that nonetheless he would like me to call him immediately as soon as I have read the Helmholtz report so that we can discuss prospects for the Livermore instructional program next fall.

Thursday, January 26, 1961

I kept an appointment with my dentist, Kent Kohler, this morning.

Since Ed Strong was able to take over for me the duty of making welcoming remarks to those attending the Street and Highway Conference of the Institute of Transportation and Traffic Engineering and University Extension, I was able to provide time for an interview by Herbert Childs, who is writing the biography of Ernest Lawrence. We met for about an hour beginning at 10 a.m.

At 11:30 a.m. I met with Weldon Gibson and Ashton J. O'Donnell of the Stanford Research Institute, who wanted to discuss with me ways in which SRI could aid the AEC.

I walked down to the basement studios of the ASUC Radio at 1:30 p.m. to give them an interview about my new job with the AEC.

At 2 p.m. I received a telephone call from William Beaumont, who said that Henry J. Kaiser wants to talk with me about who might be my successor as educational consultant for PACE. He let me know that Kaiser will call me tomorrow and asked me to think of people to suggest.

At 2:30 p.m. I met with Ken Pitzer to talk about my new responsibilities in Washington and about College of Chemistry matters in general.

Beginning at 3 p.m. I presided over the meeting of the Campus Planning Committee. As usual, we reviewed a number of plans developed by various architects; we gave our approval for plans for the Animal Behavior Research Station, the Project Planning Guide for the Gilman Hall Rehabilitation Project, and the schematic landscape plans for Barrows Hall and for Chemistry Unit 2, among others.

Al Wagner also made a presentation on the Long Range Development Plan, discussion of which had to be deferred until a later meeting, due to time constraints.

Louis DeMonte informed us that he will bring a detailed proposal for enclosure of the Campanile Observation Gallery with glass panels to the Committee for their consideration soon. We adjourned at 5:50 p.m.

Friday, January 27, 1961

I went to Kaiser, Walnut Creek, this morning to talk with my allergist, Thurman Dannenberg, about arrangements for controlling my allergies when I am in Washington. I give myself antigen shots, which have been effective; we decided that I should take the antigen with me to Washington and continue the injections.

William Beaumont called at 11:15 a.m. to let me know that Kaiser couldn't call, as he said he would, because he is ill. He wanted to know if Kerr would be a good successor for me at PACE. I said of course he would; if he could be persuaded and gave permission for my name to be used in the effort to persuade him.

Wayne Thompson (City Manager of Oakland) called at 11:20 a.m. He has followed with interest the industrial development and relationship between industry and Stanford University with electronics industries located on the Stanford campus. He feels that there is a great opportunity being missed in this respect by the Berkeley campus and the cities surrounding, like Oakland, Berkeley and Richmond. I reminded him of the possible waterfront development, which he thinks is fine but which he also feels may come about too slowly. He wanted to know to whom he might speak about this matter, if I think it is worth exploring. Naturally, I suggested he talk with Ed Strong.

At 1:30 p.m. I met with Ken Pitzer again in his office in Gilman Hall.

Greg Engelhard and I got together at 2:30 p.m. to discuss his future.

Greenfield (Lockheed in Sunnyvale) called about 2:20 p.m. to ask me if I could come to Sunnyvale to review their SNAP program in February when Frank Pittman is coming. I said that I can't do this because I am going to Washington on Tuesday morning, but that I will try to come another time.

I finalized memos to the AAC on several important pending issues on the Berkeley campus, some of which I quote:

"Molecular Biology

I would accept the recommendation of the Elberg Committee to Study the Organization of Instruction in Biophysics, with some minor modifications which are largely directed toward the problem of getting Regental approval for this major step. I would favor the creation of the new department under the name of Molecular Biology rather than the name of Bio-physics, and I would include the entire present division of Medical Physics as a division within this new department. I would begin by trying to convince somebody on the campus to serve as chairman and then would begin to recruit immediately, using some of the FTE's which could be set aside for this purpose from our workload budget increase. It would be necessary to do considerable exploring with the additional prospective members for the new department from within the University and with chairmen of their present departments in order to determine who should be members of this department. As chairman, consideration should be given to Robley Williams.

Department of Psychology

I would accept the reports of the Hoos-Miller special committee with the detailed recommendations for implementation given by AAC. Thus the department will not be allowed to undergo fission, the chairman will operate with full authority without the necessity for a departmental advisory committee (which has made effective operation impossible), C. W. Brown will be asked to make recommendations on curriculum, and a chairman (C. W. Brown or someone from another department) will be chosen after consultation with department members and others.

Slavic Center

I would press for appointments in the Slavic area in the Departments of Political Science and Slavic Languages and Literature, and any other relevant departments, even if it means giving these departments extra FTE's from workload budget increase. I would ask Jim Hart to serve temporarily as Director of this Center, if he can possibly be persuaded, and would bring in a Deputy Director who would later take over (for example, George Fischer). I would give this personal attention to be sure that people go through with these appointments because it will take persuasion in the various departments involved. We should spare no effort to have a Slavic Center second to none in the United States, or at least among the the top three.

Institute for the Humanities

I would continue to give this first priority for the use of large gift funds. An amount in the order of \$1 million might be given for the Institute on the Berkeley campus to be used according to the recommendations of the Dupree Committee. I would continue to work through President Kerr to see whether we could interest Regent Heller in this undertaking. I would continue to work for other sources of support including the suggestion made by Donald Glaser in his letter of January 17 regarding the interest of Aksel Faber in establishing a foundation for the

"humanities' elite". Perhaps requests for gift support for this enterprise should be integrated with requests for large gifts for the support of Social Sciences.

The University Arts Center

I would renew the application made to the Regents last year (but it must be better documented), for the use of money from the McEnerney Endowment for a start for this center.

Campus Administration

I would continue the system of rotation of Vice-Chancellors but with some rather serious modifications. I think that it is extremely important that the Chancellor be able to delegate more to his Vice-Chancellors and staff and I would urge that the Chancellor be given additional assistants. I would have the Vice-Chancellors increase their budgetary fraction of time in the Chancellor's Office to perhaps two-thirds and their term of office to perhaps five years, the same as Deans. I would have strong doubts that the Vice-Chancellor for Student Affairs should rotate as often as the other Vice-Chancellors due to the special knowledge needed for this position. I would recommend that a Vice-Chancellor--Research be added to the staff.

Office of Public Information

I would place D. Wilkes in a position commensurate with his heavy responsibilities and have the Office of Publication report to him. I would continue to have him hold the position of Assistant to the Chancellor. At some time in the reasonable future, after his assistant Ray Colvig has had more seasoning, I would recommend Colvig's promotion to the position of Public Information Manager, reporting to Wilkes.

Report on the Registrar's Office

I would take seriously the report of the Special Committee of Deans to study the Cresap, McCormick and Paget Report of the Registration Functions on the Berkeley Campus and the Special Committee's view that the conclusion of the consultants were arrived at without sufficient data. This will require very careful documentation in order to convince the President and the Regents that we cannot take the majority of the steps indicated without seriously impairing essential services now being given on the Berkeley campus by the Registrar's Office. I am not convinced that the plans for centralized Electronic Data Processing in this area constitute a step in the right direction; at least this requires very careful study.

National Science Foundation Project for a Collegiate Science Course for Non-Science Majors

I would try to center at Berkeley, or at least involve Berkeley faculty in cooperation with other universities, in the development of general courses in science for non-science majors, to be used in liberal arts colleges and perhaps in a somewhat different version in universities throughout the United States. I would try to convince Ken Pitzer, Owen Chamberlain or Emilio Segrè to be the focal point or principal investigator for such an effort, supported by the National Science Foundation. I have talked to Harry Kelly of the National Science Foundation, and the Foundation would have centered such an effort around me had I remained as Chancellor. I think that I shall continue to take an interest in it from my new position in Washington and attend such planning meetings as would be helpful.

Lawrence Hall of Science

I am very concerned about this project and hope that strong leadership can be found to keep this on the track. I shall ask President Kerr if he would assume the leadership. Harvey White needs support and this project will require a fair amount of top administrative time for a continuing critical period of a year or two. Our problems will be much lessened if we receive the \$3 million from the Federal government through the bill now underway. However, I would proceed with the \$6,000,000 plan if Federal Aid for construction is postponed or denied; I would proceed on the assumption that Federal Aid for operation is assured. The recently appointed faculty committee should be very helpful. The Special Committee for the Lawrence Hall of Science can probably continue pretty much as it is, and if desired, I could continue membership although it is probably necessary to appoint a new chairman.

A chairman for the fund-raising drive should be appointed soon and I hope that James D. Zellerbach or James Black will assume this duty.

Space Sciences Laboratory

I would continue to give this strong support at every stage. It has been my plan that the next stage would be a \$500,000 building, 50% supported by some Federal source such as National Science Foundation or National Aeronautics and Space Administration, to be located in the Radiation Laboratory area and using the Radiation Laboratory shops on a pay-as-you-go basis from Federal contracts. I would hope that the Laboratory could be given a fairly high place on the campus list for Major Capital Improvements, as was done for the Chemical Biodynamics Laboratory (Calvin). I have discussed the use of the Radiation Laboratory shops with Director E. McMillan and I believe that he and his associates in the Radiation Laboratory are agreeable. I continue to look forward to the Space Sciences Laboratory as an expanding operation in which a later stage would require a huge site of its own, perhaps eventually developing into an operation comparable to that of the Radiation Laboratory. In the immediate future, the question of line of authority should be settled. Director Silver should report directly to a Dean, either L. Constance or J. Whinnery, and if it is to be J. Whinnery, a formal request for change should be made.

Livermore School of Applied Science

I would set this up as a School reporting directly to the Chancellor's Office or in some way to the Chancellor's Office and the Graduate Division if anything like this is feasible. I would request appointment of E. Teller as the Head (Director, Chairman, Dean?) and authorize him to employ three or four faculty members beginning in the fall of 1961 through the use of some of the FTE's made available through the workload budget increase. After that the requests for additions should go through regular budgetary channels. No capital improvements should be possible in the 1961-62 budget, but I would begin with a request, as an extra item, for a building or two in the 1962-63 budget.

The school should be operated consistent with the practices of the campuses and thus, for example, security clearance should not be required; the proximity of secret work in the Livermore School will raise problems but I believe these can be solved as the result of study and good judgment.

Removal of 60-inch Cyclotron to Davis Campus

I would give this proposal my strongest possible support including offering Davis, if needed, the \$200,000 that has accumulated through the charges made to users of the 60-inch cyclotron on the Berkeley campus. Davis should have a building ready, even though it is a temporary one, or only a start of a large one, by the Spring or Summer of 1962 because the 60-inch cyclotron must be moved from the Berkeley campus about that time. If a new building or a start of one cannot be ready to accommodate the cyclotron, substantial National Science Foundation or Atomic Energy Commission support might be lost. An effort should be made to get started immediately, perhaps with the \$200,000 referred to above and \$200,000 from State funds, and some \$400,000 of matching funds from National Science Foundation or other Federal sources.

Scientific Engineering in College of Engineering

I would continue to give strong backing to Dean Whinnery, and pay close attention to the new academic appointments in the College, in order to achieve our objective of a first class, leading, College of Scientific Engineering. I would make every effort to have Dean Whinnery continue beyond his requested and agreed upon trial period of two or three years, to a full term of Deanship.

Residence Halls

I would direct every effort to obtain Residence Hall 3, starting at the earliest possible date. I feel that this will require almost continuous attention in order to solve the manifold problems before it can be launched. Attempts should be made to clarify soon the extent of State funding; and then a plan should be evolved for proceeding with funding on a possible reduced State funding basis.

Year-round Use of Facilities

Every consideration should be given to the faculty point of view on the year-round use of facilities. In particular, it seems to me best to start with maximal use of summer session on the 16-16-2 weeks' plan rather than the 15-15-15 weeks' trimester plan.

Nuclear Engineering

I would follow the program for the expansion of our Nuclear Engineering Program along the lines of my conversation and commitment with Chairman Thomas H. Pigford when I convinced him to come with us (May 12, 1959 memorandum, and Pigford's letter of May 26, 1959).

These include the estimation that he would need eight full-time faculty members, distributed among mechanical, electrical and chemical engineering, experimental and theoretical physics, and materials work; about fourteen teaching and research assistants; and additional secretarial help."

The 4 p.m. taping of "Baghdad-by-the-Bay" program (Bill Winter and Herb Caen) with Aldous Huxley was cancelled.

Helen and I attended a sherry party and dinner at the Faculty Club in honor of Sir George Thompson, a Nobel Prize winner in Physics and President of the British Association.

Saturday, January 28, 1961

Most of my day was spent packing and preparing to move to Washington, D.C. Helen and the kids will follow in June, after school lets out. It is going to be strange living apart from them for so many months.

Lofti Zadeh (Engineering) came out to Lafayette to take my picture at 1:30 p.m.

At 2 p.m. I posed for a picture for the article in Fortune magazine.

Sunday, January 29, 1961

This afternoon, beginning at 1:30 p.m., I moderated a symposium at the San Francisco UC Medical Center entitled "Man and Civilization: Control of the Mind". I introduced the subject by making a few remarks and then introduced each of the participants, in turn: H. Stuart Hughes (Harvard University) who spoke on "The Experience of Recent History", C. A. Mace (Birkbeck College in London) on "Human Motivations and Incentives", Father Martin D'Arcy (formerly the Master of Champion Hall in Oxford) on "The Psychological Influence of Religion on Civilization", author Arthur Koestler on "Original Adaptation--Some Aspects of the Creative Process", and panel moderator Seymour Lipset of our Berkeley faculty. It was quite a fascinating discussion, hitting upon a number of issues very important to our time. The entire afternoon was tape-recorded and videotaped for possible broadcast on radio or television at a later date.

While at the San Francisco Medical Center, I was interviewed by Hubert Larn for Sveriges Radio. He asked me very general questions about my new job at the AEC and my attitudes toward such issues as the provision of materiel necessary for nuclear power reactors to Sweden.

Monday, January 30, 1961

Today is the first day of the Spring Semester and my last day on the Berkeley campus as Chancellor but I hope not as a faculty member. (I am taking a leave of absence and hope to return to Berkeley after my stint at the AEC, which is scheduled to fill the remaining two and a half years of John McCone's term.)

I issued a statement to the Daily Californian, as follows:

"I am leaving my position as Chancellor with mixed feelings. I have enjoyed the last two and one-half years in this position very much, in large part because of my associations with students and members of the faculty and because of the many new friends I have made. I face my new responsibilities with a realization of the magnitude of the task that lies ahead of me and with the hope that I may be equal to it.

I look forward to returning to Berkeley after the completion of my term of office, a prospect which makes the task seem more pleasant."

The following statement was prepared for use in my confirmation hearings:

"THE CHANCELLOR, UNIVERSITY OF CALIFORNIA, BERKELEY
STATEMENT OF RESPONSIBILITIES

The Berkeley campus of the University of California is the largest unit of the largest university, in full-time enrollments, in the United States. The Chancellor is the Chief Campus Officer, personally responsible for the entire administration of the campus.

The Chancellor is responsible for the following personnel:

- 1600 faculty members
- 6000 non-academic personnel
- 22,000 students (15,000 undergraduate; 7,000 graduate)

The total operating budget for the Berkeley campus for the academic year, 1959-60, was approximately \$50 million. In addition to the above personnel and budget, the Chancellor is also responsible for the Lawrence Radiation Laboratories at Berkeley and at Livermore, California, where the total combined personnel numbers approximately 7,000 and the annual operations costs are in excess of \$100 million.

The value of the physical plant, including land, buildings, improvements, equipment, libraries and collections on the Berkeley campus (central and outlying installations) is approximately \$125 million; at the Lawrence Radiation Laboratories at Berkeley and at Livermore, it is in excess of \$100 million.

During the past two years, major construction projects completed on the Berkeley campus totalled \$28 million; initiated during that period and still under construction are projects in excess of \$24 million. At the Lawrence Radiation Laboratory, Berkeley, projects completed in the past two years, or now under way, total about \$20 million.

The total payroll for the University's Berkeley campus for the academic year, 1959-60 was approximately \$39 million; for the Lawrence Radiation Laboratories (Berkeley and Livermore combined), \$43 million.

The immediate staff of the Chancellor consists of three Vice-Chancellors (for Student, Academic and Administrative Affairs), and about 30 administrative assistants, analysts, secretaries, and so forth.

Also reporting directly to the Chancellor are the Business Manager, Accounting Officer, Registrar, Admissions Officer, Educational Placement Officer and 18 Deans of Colleges or Schools. Reporting through the Deans are 71 Chairmen of Academic Departments and the Directors of 7 Centers, 13 Laboratories, 9 Institutes, 3 Bureaus and 3 Museums."

I also approved for release the following statement regarding PACE:

"I consider an adequate educational system at the elementary school and high school levels to be a critical problem for the future of our country. More effort must be expended by our citizens in order to attain this objective. The public spirited citizens who are giving their time to PACE, under the leadership of Mr. Henry J. Kaiser, Jr., are to be commended for their very worthwhile contributions. I believe that a community effort of this sort designed to help the Board of Education

discharge its responsibilities is one of the best ways of helping the community secure the educational system which today's world requires."

I dictated a letter responding to Bill Rice's special delivery letter which arrived in Lafayette yesterday. Bill, who designed our house here, wrote to suggest that we build its double in a suburb of Washington, D.C., where he is working for the American Institute of Architects. I wrote to let him know that we are keeping our Glen Road home, hoping to rent it to some carefully-chosen family, and planning to rent a house in Washington, D.C., since we plan to return to California before too long.

At 2 p.m. George Boehm and Betty Fuller interviewed me for an article in Fortune magazine.

At 3:30 p.m. I met with S. G. McCann, secretary of the Search Committee for a new president at Rice University in Texas.

Members of the office staff at the Nuclear Chemistry Division offices at the Radiation Laboratory presented me with a certificate reading:

"This is to certify
GLENN T. SEABORG

having successfully completed his apprenticeship in
scientific research... such as the discovery of a few new elements
and
administrative duties... such as the running of a university, a lab, etc.
and
having given a few speeches here and there, and won an award or two
AND
having successfully kept innumerable secretaries
slightly busy, highly harassed and on their
toes for some fifteen years...

is authorized
to become
CHAIRMAN OF THE ATOMIC ENERGY COMMISSION

and granted permission to go to Washington D.C. with
the approval and best wishes of the following KEY personnel
of the Nuclear Chemistry Division"

My Chancellor's Office staff serenaded me with the following ditty sung to the tune of "Hail, Hail, The Gang's All Here":

"Hail, hail, the gang's all here,
We've come to say goodbye, sir,
Whatcha gonna leave fur?
The AEC has got you now.

Farewell, morale is low,
Kennedy is waiting,
and anticipating
Washington won, the campus lost,
The AEC has got you now."

Helen and I attended a cocktail reception hosted by the Kerrs at University House in honor of Rose Galvinovich, retiring reporter for the Oakland Tribune who has covered the Berkeley campus for many years. Clark Kerr, Robert Gordon Sproul and I all made remarks.

I was delighted to learn from Sproul that the Booth Ferris Foundation has decided to give us a grant in the amount of \$250,000 towards the building of the Earl Warren Legal Center.

Monday, January 31, 1961- Washington, D.C.

I flew to the Baltimore Friendship Airport on United Airlines Flight #808, which arrived at about 5 p.m.

I was met by Commissioner John Graham. We went to the Metropolitan Club where I had a get-acquainted dinner with John McCone, and my fellow AEC Commissioners John Graham, Robert Wilson and Loren Olson.

I am staying at the Statler Hotel until I find a more permanent residence.

Helen told me that she planned to have a sort of farewell lunch with Sigrid Stamps (Helen's social secretary during the chancellorship) and my UCRL Secretary Doral Buchholz and her sister Lucy.

INSTRUCTIONS FOR USING THE INDEXES

Note that each month of the daily journal is numbered separately at the bottom of the page. The numbering system begins again at the beginning of the each month. The indexes appear at the back of Volume III.

The name index lists the names of those individuals to whom references are made in the text and the dates on which those references appear.

Example: AARON, Marguerite- 1960: 12/5= Marguerite Aaron's name appears on December 5, 1960. When an individual's name appears on several different pages under the same date, there is only one listing and it will be up to reader to seek out each mention.

The picture index lists the names of individuals who appear in photographs in the text by the month, year and page number.

Example: ADOLFSSON, Jenny- 6/59-24= Jenny Adolfsson's picture appears on page #24 of June 1959.

AARON, Marguerite- 1960: 12/5
 ABED, Ursula- 1958: 9/25, 11/6
 ABELSON, Philip H.- 1958: 12/16
 ABOLINSH, Yanis- 1959: 6/9
 ABRAHAM, Bernard M.- 1958: 12/9
 ABRAHAMS, Mel- 1960: 8/2, 8/26
 ABRAMS, Dorothy M.- 1959: 9/27
 ABRAHAMSEN, Egil- 1961: 1/11
 ACKERMAN, James- 1960: 2/1
 ACKERMAN, William C.- 1959: 8/24
 ADAMS, Carl- 1960: 3/16
 ADAMS, Frank- 1959: 5/21
 ADAMS, Mort- 1960: 10/11
 ADAMS, Roger- 1959: 5/2, 11/14; 1960: 5/17, 5/21, 11/10
 ADAMSON, Arthur W.-1960: 12/5
 ADELBERG, Edward A.-1959: 3/26, 5/4, 5/11, 6/9, 11/12, 12/3, 12/16; 1960: 3/30
 ADENAUER, Konrad- 1959: 6/23, 9/18; 1960: 3/10, 3/21
 ADLER, Felix- 1959: 3/3, 7/16
 ADLER, Kurt- 1959: 3/25, 10/11
 ADLER, Mortimer- 1960: 12/1
 ADOLFSSON, Jenny- 1959: 6/17, 6/21, 6/22, 6/24, 6/25, 6/26, 6/27, 7/14
 ADOLFSSON, Karl- 1959: 6/17, 6/21, 6/22, 6/24, 6/25, 6/26, 6/27, 7/14
 AEBERSOLD, Claire- 1960: 6/22, 6/24, 6/28
 AEBERSOLD, Mickey- 1959: 11/30; 1960: 6/22
 AEBERSOLD, Paul C. - 1959: 1/29, 2/4; 1960: 6/22, 6/26
 AEBERSOLD, Paul, Jr. "Scooter"- 1960: 6/22, 6/24
 AGEE, James- 1959: 7/14
 AHLGREN, Henry L.- 1960: 8/29
 AHLIN, Judith- 1960: 6/9
 AHMANSON, Howard- 1959: 8/25, 8/26
 AIKIN, Charles A.- 1958: 11/9, 11/18, 12/2, 12/4; 1959: 1/15, 1/20, 2/3, 2/5,
 2/21, 3/8, 3/18, 3/24, 4/13, 4/17, 4.23, 4/24, 5/4, 5/20, 7/20, 7/29, 8/3,
 8/12, 9/24, 12/3, 12/8; 1960: 1/12, 1/20, 1/30, 3/28, 4/27, 9/15, 12/21,
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 AITKEN, Dunbar- 1959: 12/7
 AKERS, Jobyna- 1960: 10/4
 AKIMOTO, Yuki- 1959: 5/26
 AKOBYANOFF, Lev- 1959: 8/18, 8/21, 9/1, 9/21, 10/29, 11/12, 12/21
 AKOYUNOGLU, George A.- 1959: 8/6, 9/27
 ALAGA, Naja- 1958: 12/4
 ALANON, Roberto- 1960: 4/11
 ALBAUGH, Frederick W.- 1959: 5/4, 5/12
 ALBERT, (Reverend)- 1959: 3/20
 ALBERT, William- 1959: 4/22
 ALBRIDGE, Royal G.- 1958: 9/25, 11/6
 ALBRIGHT, Horace- 1959: 6/20, 6/27, 9/18; 1960: 1/25
 ALCORN, George B.- 1959: 6/4, 7/29; 1960: 2/10, 2/29, 11/13
 ALDEN, John- 1959: 2/27
 ALDRICH, Daniel G., Jr.- 1958: 12/4; 1959: 1/9, 2/5, 2/19, 2/20, 3/12, 3/13,
 3/36, 4/1, 4/6, 5/4, 5/14, 6/18, 6/19, 9/17, 9/18, 10/23, 11/19, 11/20,
 12/10, 12/11; 1960: 1/21, 1/22, 2/18, 6/17, 8/11, 9/22, 9/28, 11/13; 1961:
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 ALEKSON, Roy- 1959: 3/11
 ALEXANDER- 1959: 8/21
 ALEXANDER, Henry C.- 1960: 8/29
 ALEXANDER, Hodgie- 1960: 5/22

ALEXANDER, John M.- 1958: 7/8, 9/25, 9/27, 10/2, 11/6, 11/13
 ALEXANDER, Margie- 1959: 4/17, 9/19; 1960: 10/8
 ALEXANDER, Samuel N.- 1959: 9/16
 ALEXANDER, Theo- 1959: 8/7
 ALEXANDER, Tommy- 1958: 7/9, 11/1, 11/15
 ALEXANDROV, A. D.- 1959: 3/17, 4/22, 5/4, 5/12, 6/12; 1960: 3/9
 ALFVEN, Hannes- 1958: 9/3
 ALHADEFF, David A.- 1959: 3/13
 ALIKHANOV, Artemii- 1958: 9/9
 ALLEN, Bruce F.- 1959: 2/26, 10/1, 10/30
 ALLEN, Ernest- 1959: 9/15; 1960: 8/3
 ALLEN, George R.- 1961: 1/11
 ALLEN, James- 1960: 5/23, 5/24
 ALLEN, John- 1959: 11/12
 ALLEN, Raymond B.- 1958: 7/7, 8/9, 8/12, 8/15, 8/25, 9/16, 9/17, 9/18, 9/23,
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 ALLEN, W. S.- 1960: 1/27
 ALLEN, William M.- 1960: 8/15
 ALOU, Felipe- 1960: 8/27
 ALPHAND, Herve- 1958: 11/4
 ALSTER, Jonas- 1959: 9/27
 ALTER, Chester- 1959: 12/12
 ALVAREZ, David- 1959: 3/7, 4/22
 ALVAREZ, Luis W.- 1958: 7/17, 7/18, 8/7, 8/8, 8/19, 8/29, 8/31, 9/15, 11/8,
 12/8, 12/16, 12/22; 1959: 3/9, 3/12, 4/13, 5/26, 6/3, 6/16, 7/29, 8/12;
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 ALVAREZ, Walter S.- 1958: 12/10
 AMIROV, Fikret- 1959: 10/27
 ANDERSON, Bert- 1960: 7/8
 ANDERSON, Carl- 1958: 8/2
 ANDERSON, Clinton- 1959: 12/3; 1960: 12/1; 1961: 1/5, 1/9, 1/17, 1/18, 1/19
 ANDERSON, G. Lester- 1960: 7/28
 ANDERSON, Glenn M.- 1958: 10/29; 1959: 2/20, 3/9, 3/12, 3/13, 3/24, 4/15,
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 ANDERSON, Henry P.- 1958: 10/13, 10/14
 ANDERSON, J. C.- 1959: 8/29
 ANDERSON, John K.- 1960: 10/10
 ANDERSON, Leila- 1959: 3/23
 ANDERSON, Norma- 1959: 11/21
 ANDERSON, Oscar E., Jr.- 1959: 6/1; 1960: 8/4
 ANDERSON, Ralph- 1960: 6/9
 ANDERSON, Richmond K. "Dick"- 1959: 11/14
 ANDERTON, Piers- 1958: 7/11
 ANDREWS, Jesse- 1959: 5/2, 11/14; 1960: 5/21, 11/10
 ANDREWS, Lawrence J. 1959: 11/5
 ANDREWS, P. T. S.- 1960: 10/31
 ANDREWS, Paul- 1958: 10/14
 ANDROS, Dee- 1959: 1/6, 10/13; 1960: 1/11, 1/13, 2/5, 2/8
 ANDREWS, George- 1960: 2/9
 ANDRUS, George- 1960: 2/9
 ANGLIM, Patricia- 1959: 9/28
 ANGRESS, Werner T. 1959: 4/23
 ANSHEN, R.- 1960: 1/27

ANTON, Hector R.- 1959: 1/19
 APPELMAN, Evan H.- 1958: 10/30, 11/6, 12/22
 ARCHER, James W.- 1959: 6/11; 1960: 6/5, 6/17, 9/16, 10/24
 ARCHIBALD, David- 1960: 8/8, 11/21
 ARDERY, Bob- 1958: 12/27
 ARLT, Gustave- 1958: 10/16, 10/23, 12/9; 1960: 11/13
 ARMOR, David J.- 1958: 12/4, 12/5, 12/8; 1959: 3/13, 3/25, 5/20, 5/21, 6/5,
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 ARMSEY, James W.- 1959: 5/20
 ARMSTRONG, Hepburn- 1961: 1/19
 ARMSTRONG, Jane- 1960: 11/1, 11/12
 ARMSTRONG, Paul- 1960: 5/18, 6/15
 ARNOLD, Keith- 1958: 9/22
 ARNOLD, Stanley- 1959: 10/31
 ARNOLD, Z. M.- 1960: 1/20
 ARNON, Daniel- 1959: 12/22; 1960: 3/9
 ARONOFF, Samuel- 1959: 6/2
 ARRAU, Claudio- 1959: 6/19
 ARROTA, Frank- 1960: 6/8
 ARROW, Kenneth- 1959: 12/16
 ASARO, Frank- 1958: 7/3, 8/8, 9/27, 12/4
 ASCHENBRENNER, Karl- 1959: 11/6, 11/12
 ASGHAR- 1958: 10/27
 ASH, Bob- 1960: 4/20, 6/19
 ASHMORE, Harry- 1960: 1/26
 ASKEW, J. B.- 1960: 5/23
 ASLING, C. Willett- 1959: 2/12, 3/13, 3/26, 5/4, 6/9, 11/12; 1960: 4/27, 9/7,
 10/3, 10/12
 ASTIN, Allen V.- 1960: 1/16
 ASTROM, Bengt- 1958: 9/30
 ATKINS, Tom- 1959: 11/12
 ATKINSON, Brooks- 1960: 3/11, 4/27
 ATLEE, Clement Richard- 1959: 2/26
 ATROSHCHENKO, Vasily- 1959: 2/2
 ATTERLING, Hugh- 1958: 9/30; 1959: 3/2
 ATWOOD, Wallace W., Jr.- 1959: 7/10
 AUNE, Harriet- 1959: 5/5
 AUNG, Htin- 1958: 9/22
 AXE, John D.- 1958: 11/6; 1959: 9/27
 AXEL, P.- 1959: 9/16
 AXELROD, Albert A.- 1960: 8/30

BABBIDGE, Homer D.- 1959: 4/28, 5/5, 10/21, 11/16, 12/8
 BACHER, Robert- 1958: 9/22; 1959: 1/29, 6/16, 6/17, 8/6, 8/7, 8/20, 8/31
 BACK, Lee- 1960: 8/25, 9/6
 BACON, Christopher- 1960: 8/30
 BADAGLIACCA- 1960: 9/27
 BADGER, Sherwin- 1958: 7/24
 BAER, Claus- 1959: 3/26
 BAILEY, Bruce O.- 1960: 9/28
 BAILEY, Jack- 1958: 12/30
 BAILEY, Sylvia M.- 1959: 9/27
 BAILIFF, Cullen- 1960: 4/14
 BAINER, Ray- 1960: 11/28
 BAJAJ, Ramkrishna- 1959: 3/10

BAKER, Joyce-1959: 6/26
 BAKER, William O.- 1959: 3/25, 4/7, 4/9, 4/21, 4/24, 6/16, 6/26, 7/20, 8/6,
 9/10, 9/15, 9/16; 1960: 1/6, 1/16, 5/17, 9/13
 BAKKEN, Larry- 1960: 10/4
 BAKUS, Barbara- 1959: 4/7
 BALAMUTH, William- 1959: 6/9
 BALDERSTON, Frederick E.- 1959: 1/19, 5/21; 1960: 10/3
 BALDOCK, Russell "Charlie"- 1958: 10/7
 BALDWIN, John F.- 1959: 3/31, 9/16; 1960: 5/6
 BALL, Russell H.- 1959: 9/8; 1960: 6/8
 BALTER, Sam- 1958: 8/25, 9/25
 BANETT, Hugh- 1959: 3/16
 BANIGAN, Sharon- 1958: 7/13, 7/17, 10/31; 1959: 1/27, 2/2, 7/9
 BANKS, Louis- 1959: 1/28
 BARANOWSKI, F. P.- 1959: 3/2
 BARBER- 1959: 8/13
 BARDEEN, John- 1960: 4/18, 4/19
 BARDIN, Ivan Pavlovich- 1958: 12/15
 BARDWELL, Jay- 1960: 6/17
 BARKAS, Walter H.- 1959: 7/10
 BARKER, Horace A.- 1959: 3/13, 5/4, 5/11, 6/9, 10/1
 BARKER, Joseph W.- 1959: 1/27, 2/4
 BARNES, Bill- 1958: 11/17; 1959: 8/21, 9/4
 BARNES, James A.- 1959: 2/27, 3/7, 4/1; 1960: 9/26
 BARNES, Stanley- 1958: 8/29, 11/24; 1959: 4/24, 5/21, 6/2, 10/30, 12/7
 BARNETT, E. Dwight- 1960: 4/11
 BARNETT, Hugh D.- 1959: 1/6, 3/25, 5/21, 10/13
 BARNHART, Edward N.- 1959: 7/30, 9/24; 1960: 9/27
 BARON, Frank-1959: 5/22
 BARRETT, Edward L.- 1961: 1/24
 BARRETT, Clifton W.- 1959: 3/3, 6/2, 6/20
 BARRETT, Rosemary- 1959: 3/2
 BARRON, Barbara-1959: 6/26; 1960: 6/9
 BARRY- 1960: 12/23
 BARSHAUSKAS, Kazimras- 1959: 2/2
 BARTH, Alan- 1958: 10/14; 1959: 2/27, 4/23
 BARTHELL, Russ- 1958: 8/6; 1959: 10/27
 BARTHOLD, Todd- 1959: 6/26; 1960: 8/30
 BARTLETT, Eleanor- 1959: 6/4, 6/11
 BARTLETT, Paul D.- 1958: 12/16
 BARTZ, R. V.- 1959: 6/1, 11/17
 BASCOM, William R.- 1959: 3/19, 5/22, 9/29; 1960: 6/14, 8/6, 8/8, 8/10, 12/2
 BASSETT, Charles- 1959: 6/10; 1960: 5/31
 BASKETT, Sandra L.- 1959: 9/28
 BATEMAN, Stanley C.- 1960: 1/20
 BATES, (Colonel)- 1960: 5/21
 BATES, Beverly- 1960: 12/2
 BATES, Stan- 1958: 8/9
 BATES, Steve- 1959: 10/31, 11/1; 1960: 9/14
 BATES, Tom- 1959: 10/13, 11/3
 BATESON, Frederick W.- 1959: 1/22
 BATZEL, Edwina (Mrs. Roger E.)- 1960: 5/22
 BATZEL, Roger E.- 1958: 7/28
 BAUER, Catherine- 1959: 9/3
 BAUGNIET, Jean A.- 1958: 9/22
 BAUR, Vom- 1960: 10/11

BAXTER, J. Phillip- 1958: 11/18
 BAXTER, James P., III- 1959: 6/8, 6/12; 1960: 8/4
 BAXTER, John F.- 1959: 6/22, 8/18, 9/10; 1960: 3/17
 BAYLEY, Nancy- 1960: 5/2
 BEACH, Frank A.- 1959: 3/17, 4/1, 4/7, 4/22, 4/23, 5/4, 5/8, 5/12, 5/28, 6/13,
 6/26, 7/27, 7/30, 12/7, 12/10; 1960: 3/7, 3/22, 3/28, 11/29
 BEADLE, George- 1959: 6/9, 8/20, 9/15, 9/18, 9/30, 10/20, 11/9, 12/18, 12/19;
 1960: 1/16, 1/17, 1/18, 3/5, 4/18, 4/23, 4/24, 5/16; 1961: 1/11
 BEAMS, Jesse W.- 1959: 5/18
 BEAN, W.- 1959: 5/4
 BEARD, John William- 1959: 10/31
 BEATTIE, Margaret I.- 1959: 2/27; 1960: 6/11
 BEATTY, Jerry- 1960: 9/27, 10/3
 BEATY, John- 1960: 11/2
 BEAUMONT, William- 1959: 6/12, 8/31, 11/22; 1960: 8/3, 12/22; 1961: 1/26, 1/27
 BEAVER, Jack- 1959: 9/4; 1960: 2/19
 BEAVINS, (Mrs.)- 1961: 1/6
 BECHTEL, Stephen D.- 1959: 3/13, 6/3, 11/30; 1960: 10/13, 11/1, 11/17
 BECK, Clifford K.- 1959: 7/16
 BECKET- 1960: 1/21
 BECKLER, David Z.- 1959: 2/12, 2/24, 3/2, 3/5, 3/16, 9/30; 1960: 5/7, 5/23,
 6/3, 6/7
 BECTEL, Bob- 1959: 10/28
 BEDELL- 1959: 2/27
 BEDFORD, Clay- 1960: 5/13, 5/18, 5/26, 6/14
 BEE, Carlos- 1959: 2/26, 6/26
 BEELER, Madison S.- 1958: 12/4, 12/16; 1959: 3/3, 3/13, 3/26, 4/7, 4/11, 5/22,
 5/29, 6/22, 10/15, 12/9; 1960: 1/14, 4/12, 4/27
 BEGLE, E. G.- 1959: 3/9
 BEISS, Clark- 1959: 5/7; 1960: 2/4
 BELISARIUS - 1959: 7/12
 BELKNAP, George- 1959: 6/9
 BELKNAP, Richard- 1961: 1/25
 BELL, Bob- 1960: 10/10
 BELL, Eurael- 1959: 11/3
 BELL, Philip W.- 1959: 3/14, 3/19, 5/21
 BELL, William (General)- 1959: 2/27
 BELLO, Francis C.- 1960: 4/1
 BELLQUIST, Eric C.- 1958: 9/13; 1959: 3/8, 3/18, 4/24, 5/5, 5/6, 5/21, 11/12;
 1960: 1/20, 1/23, 1/24, 3/22, 6/17, 9/6, 9/7, 10/11, 10/24, 11/8, 11/29
 BELLUSCHI, Pietro- 1960: 11/17
 BELTRAN, Pedro G.- 1960: 9/21
 BENDIX, Reinhard- 1959: 2/21, 3/3, 3/25, 3/26, 4/22, 5/5, 5/8, 5/12, 5/20,
 5/28, 5/29, 6/1, 6/21, 7/27, 7/29, 11/3; 1960: 1/29, 2/4, 9/15, 9/16,
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 BENEDICT, Manson R.- 1958: 8/31, 9/1; 1959: 8/6, 10/28; 1960: 5/7
 BENEDICT, Murray R.- 1959: 3/3, 5/15, 7/20
 BENEZET, Louis- 1959: 12/12
 BENIOFF, Paul Anthony- 1958: 10/2; 1959: 9/27, 9/30
 BENNETT, Rawson (Rear Admiral)- 1960: 5/26, 8/23, 8/30
 BENNETT, Abraham Elting- 1958: 12/10
 BENNETT, Richard M.- 1960: 11/17
 BENNETT, Mrs. Richard- 1960: 2/8
 BENNETT, Wallace F.- 1961: 1/18
 BENSON, George C. S.- 1959: 10/29
 BENT, Henry E.- 1959: 10/20, 11/5, 11/16, 12/18, 12/19; 1960: 5/23

BERDAHL, James T.- 1959: 4/22, 10/11
 BERELSON, Bernard N.- 1960: 1/6, 1/16, 11/2
 BERENSON, Edward G.- 1959: 7/18, 7/31, 9/2
 BERG, Selmer- 1959: 5/21
 BERG, W. E.- 1959: 8/3; 1960: 4/20
 BERGEN, Arthur R.- 1960: 10/10
 BERGENDOFF, Conrad- 1959: 10/6
 BERGER, August- 1958: 11/6
 BERGES, Marshall- 1960: 11/22
 BERGGREN- 1960: 8/17
 BERGSTROM- 1959: 6/26
 BERKELEY, George (Bishop of Coyne)- 1959: 4/7, 4/24, 5/5
 BERKNER, Lloyd V.- 1958: 11/18; 1959: 1/26, 4/9, 8/20, 8/31, 12/9; 1960: 1/20,
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 BERNARD, Lloyd- 1958: 10/20; 1959: 3/24; 1960: 7/27, 11/3
 BERNHARD, Frederica- 1959: 3/14, 7/29
 BERNIER, Ruth- 1958: 7/8
 BERNY, Swift- 1959: 10/31
 BEROLZHEIMER, Charles- 1959: 3/24, 3/26
 BERSHAD, Andrea- 1960: 6/5
 BERTAGNOLLI, Mrs. F. G.- 1959: 3/17
 BERTERO, Vitelmo- 1960: 10/10
 BERTIL (Prince of Sweden)- 1960: 3/1, 3/2
 BERTOTTI, J.- 1959: 1/20
 BESIG, Ernest- 1959: 3/12, 3/17, 3/26, 4/6, 4/8, 6/3; 1960: 5/9, 5/10, 11/16
 BESTOR, Arthur- 1959: 8/14
 BETAQUE, Norman- 1958: 8/28; 1959: 4/17, 4/24, 10/17, 10/23, 12/4; 1960: 6/14,
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 BETHE, Hans- 1959: 5/18; 1959: 6/16, 8/6, 9/15; 1960: 1/18, 9/1
 BEVC- 1960: 3/10
 BEVIS, Vivian- 1960: 11/1
 BEYNEN, Margaret- 1959: 2/13
 BIBLE, Alan- 1960: 12/1
 BICKERS, John- 1960: 8/31
 BIERMAN, Jessie M.- 1958: 12/16; 1959: 4/22
 BIGELEISON, Jacob- 1960: 5/5
 BIGELOW, William S.- 1958: 7/17
 BIGLER, Lajos- 1958: 12/25
 BIGWOOD, E. J.- 1958: 9/22
 BILLINGS, Bruce- 1960: 5/17
 BINGHAM, Ursula- 1960: 11/3
 BIRCH, Cyril- 1959: 4/30, 5/7, 5/11, 5/12, 6/1
 BIRD, Grace V.- 1959: 1/31, 3/24, 6/4, 8/18; 1960: 4/7
 BIRD, Malcolm W.- 1959: 9/29
 BIRGE, Robert W.- 1960: 5/3
 BIRGE, Raymond T.- 1959: 9/19; 1960: 2/25, 8/28
 BIRKETT, Eastman- 1959: 9/11
 BISHOP, William- 1960: 12/9
 BISTROV, N. I.- 1959: 8/31
 BISWELL, Harold H.- 1960: 5/4
 BIXLER, Gordon- 1960: 3/25
 BLACK, James- 1958: 12/8, 12/11; 1959: 1/7, 2/20, 3/10, 3/13, 3/20, 6/3;
 1960: 2/19, 3/22, 3/29, 8/23, 9/2, 9/6, 12/27, 12/28; 1961: 1/12, 1/27
 BLACK, James B.- 1960: 5/12
 BLACK, Leonard J.- 1959: 4/22
 BLACKWELL, David- 1958: 10/11, 10/27; 1959: 3/26, 5/5; 5/20, 9/1; 1960L 12/14

BLAEDEL, W. J.- 1960: 8/23
 BLAIR, William L.- 1959: 3/14
 BLAISDELL, Allen C.- 1958: 8/13, 8/14, 8/25, 8/28, 9/22, 9/29, 12/9, 12/23;
 1959: 1/22, 2/11, 2/24, 2/26, 2/27, 3/13, 4/9, 4/14, 5/6, 5/12, 5/20,
 5/29, 6/1, 6/5, 9/21, 9/22, 9/29, 10/23; 1960: 1/26, 12/5
 BLAISDELL, Thomas C., Jr.- 1958: 10/21, 12/10; 1959: 1/22, 2/21, 2/25, 3/3,
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 BLAKE, Anson Stiles- 1958: 9/29
 BLAKE, Larry- 1958: 7/28, 12/10; 1960: 9/16
 BLAKE, Robert- 1960: 3/22
 BLANDER, Milton- 1958: 10/8
 BLANN, H. Marshall- 1958: 7/3, 7/17, 9/25, 10/2, 11/13; 1959: 2/4, 2/11, 2/18,
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 BLASE, Andrew- 1960: 9/21
 BLASDALE, Walter C.- 1959: 3/24, 3/27
 BLATNER, Howard- 1958: 9/23; 1959: 3/2
 BLESSING, Don- 1958: 10/17; 1959: 8/7, 11/26; 1960: 1/8, 2/8
 BLISS, A. Harry- 1959: 3/25, 5/5, 12/19; 1960: 2/17, 4/20, 6/2
 BLISS, George- 1959: 5/21
 BLOCH, Ed- 1960: 6/8
 BLOCH, Felix- 1959: 2/9
 BLOMQUIST, Alfred T.- 1959: 4/27
 BLOOM, Robert- 1960: 10/10
 BLOMER, Linda- 1960: 5/25
 BLOXHAM Family- 1959: 2/5
 BLOXHAM, Juliette- 1958: 11/15; 1960: 3/14
 BLUM, Paul- 1959: 6/26
 BLUM, Robert- 1959: 5/26, 12/22; 1960: 9/29, 10/14
 BLUMER, Herbert- 1959: 3/18, 3/27, 7/29, 9/8; 1960: 1/29, 4/30, 6/9, 10/9,
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 BOARDMAN, Myron L.- 1959: 3/16, 3/24
 BOCHAREV, Yurei- 1960: 10/24
 BOCK, K. K.- 1959: 4/11
 BOCK, Kenneth E.- 1959: 7/27, 7/29; 1960: 11/23; 1961: 1/4
 BODE, Hendrik- 1959: 12/15
 BODI, Alexander- 1960: 10/22
 BODMAN, Geoffrey B.- 1959: 10/1, 10/14, 11/4, 11/25; 1960: 5/11, 9/7, 10/26;
 1961: 1/3
 BOEHM, George- 1961: 1/30
 BOELTER, L(ewellyn) M(ichael) K(raus)- 1959: 2/9
 BOFFERDING, E. J.- 1960: 1/26, 3/22, 4/7, 6/21
 BOGARD, Travis M.- 1959: 1/13, 1/20, 2/10, 3/13, 4/4, 5/20, 6/10, 8/19; 1960:
 3/10, 6/9, 8/16, 11/2, 12/2, 12/14; 1961: 1/12, 1/22
 BOHR, Aage- 1960: 11/16
 BOHR, Niels- 1959: 1/29; 1960: 11/16
 BOLLINGER, Henry- 1959: 3/17
 BOLT, Dick- 1959: 9/15
 BOLTON, Earl C.- 1959: 1/2, 11/1
 BOLZ, Ray Emil- 1959: 6/16, 6/17
 BONDIN, Oleg- 1959: 6/9; 1960: 4/6
 BOODBERG, Peter A.- 1960: 11/23
 BOOTH, Bradford A.- 1958: 8/9, 8/23, 8/25, 9/18, 9/23, 9/26, 9/29, 10/15,
 10/29, 11/8; 1959: 2/5, 2/6, 6/2, 8/24, 11/11; 1960: 9/28, 11/4
 BOOTH, Eugene T.- 1959: 8/6, 1/29
 BOOTH, Willis- 1959: 9/11; 1960: 3/18, 12/6

BOQUIST, William- 1958: 11/9; 1959: 2/10, 3/21, 11/12; 1960: 8/19
 BORAH, Woodrow W.- 1959: 5/12, 5/22, 12/3
 BORGMANN, Carl W.- 1958: 9/7, 10/28; 1959: 1/28, 3/23, 4/6, 5/5, 6/9, 6/10
 BORKOWSKI, Casmir J.- 1959: 10/8
 BORN, Ernest- 1959: 10/11
 BORREGARD, Leo- 1960: 2/19
 BOSCH, Horacio- 1959: 9/27
 BOSSO, Robert- 1960: 6/9
 BOSTICK, Warren L.- 1959: 3/3; 1960: 11/18
 BOTT, Raoul H.- 1958: 11/12
 BOTTARI, Vic- 1959: 8/7
 BOUCHARD, Marcel F.- 1958: 9/22
 BOUCHE, Lucille- 1959: 11/18
 BOUCHEY, Myrna- 1959: 3/27
 BOWDEN, Don- 1958: 11/8; 1959: 1/6
 BOWEN, Catherine Drinker- 1958: 7/8
 BOWEN, Carroll G.- 1960: 6/6
 BOWEN, Marilyn- 1959: 6/26
 BOWEN, Richard- 1958: 12/4, 12/5, 12/8
 BOWEN, William- 1959: 5/7, 7/30
 BOWERS, Bob- 1960: 6/5
 BOWERS, Glenn- 1959: 6/1
 BOWKER, Albert- 1960: 10/25
 BOWLES, Chester- 1960: 2/25, 3/26
 BOWLES, George- 1960: 5/24
 BOWMAN, Harry- 1959: 9/27, 11/25
 BOWMAN, Thomas E.- 1959: 9/27
 BOYARCHUK, A. A.- 1959: 6/10
 BOYCE, Alfred M.- 1959: 2/19; 1960: 11/13
 BOYCE, Barbara- 1958: 11/12
 BOYD, Philip L.- 1958: 11/20; 1959: 1/22, 2/19, 2/20, 3/12, 3/13, 4/16, 4/17,
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 12/28, 12/29; 1960: 1/21, 1/22, 2/18, 5/3, 5/18, 6/17, 9/22, 11/7, 12/16
 BOYDEN, David D.- 1958: 9/13, 11/25; 1959: 3/26, 6/10, 10/1, 10/11, 10/27,
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 BOYLE, J. A.- 1959: 3/26
 BOYLE, J. W.- 1960: 10/6
 BOYNTON, A. H.- 1960: 6/19
 BOYNTON, Judd- 1960: 3/3
 BOYUM, Bertrand- 1959: 2/16
 BOZAK, Richard Edward- 1959: 5/21
 BRACHMAN, Bob- 1958: 8/25
 BRADBURY, Norris- 1959: 6/23, 11/24
 BRADEN, Charles- 1960: 1/20
 BRADEN, Tom- 1959: 3/12
 BRADFORD, E.- 1959: 1/20
 BRADFORD, H. Frank- 1959: 3/18
 BRADLEY, John D.- 1959: 10/2
 BRADLEY, William R.- 1959: 3/5
 BRADNER, Hugh- 1958: 7/17, 12/16, 12/19, 12/22; 1959: 2/16, 3/14, 7/29, 8/25,
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 BRADY- 1959: 2/9
 BRAHMS, Gerald- 1958: 7/10
 BRAKEBILL, Harry- 1960: 8/9
 BRAKELEY, George A.- 1959: 8/26, 10/26
 BRANCATO, Shirley- 1959: 2/26

BRATTAIN, Walter H.- 1959: 1/29
 BRAUM, Cyrus- 1959: 12/14
 BREAK, G. F.- 1959: 5/21; 1960: 10/28
 BREAM, Julian- 1959: 6/19
 BRECHER, Libbi- 1959: 9/27
 BRECK, P. S., Jr.- 1959: 4/1, 4/6
 BREDERICK, Helmut- 1960: 9/27
 BREDIG, Max Albert- 1958: 10/7; 1960: 10/6
 BREED, Arthur H.- 1960: 2/19
 BREED, Eleanor- 1959: 5/12
 BREED, George- 1959: 6/26
 BREIT, Gregory- 1959: 4/27
 BRENNEIS, Jon- 1958: 9/20, 9/21
 BRENNER, Clarence- 1959: 5/4; 1960: 6/11
 BRESLAW, David- 1959: 12/7
 BRESLER, Boris- 1959: 4/6, 4/22, 10/30
 BRESSLER, Raymond G.- 1958: 8/8, 9/22, 9/23, 10/1, 10/14, 10/22, 10/29, 11/5,
 11/11, 11/12, 11/17, 11/26, 12/10; 1959: 1/13, 1/19, 1/20, 1/22, 2/4, 2/9,
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 BRESSON, Cartier- 1960: 8/8
 BRETZ, Rudy- 1959: 1/16; 1960: 2/29
 BREWER, Joe- 1960: 10/11
 BREWER, Leo- 1959: 1/9, 2/25, 3/2, 3/13, 5/6, 5/8, 5/11, 5/13, 11/2; 1960:
 3/22, 7/28
 BRIBER, Robert- 1959: 3/5
 BRIDENBAUGH, Carl- 1959: 11/3, 11/21; 1961: 1/11
 BRIDGES, Harry- 1959: 3/30; 1960: 5/7
 BRIGGS, Fred N.- 1960: 11/13
 BRIGGS, George- 1958: 7/7, 8/9, 8/23; 1959: 3/1, 6/4, 11/5, 11/14
 BRIGGS, George M.- 1960: 2/25, 10/26, 11/2
 BRIGHTSEN, Ronald A.- 1959: 6/26, 9/11; 1960: 3/3, 5/15; 1961: 1/11, 1/17
 BRINKERHOFF, Forrest- 1959: 3/7, 3/27, 5/21
 BRISH, William M.- 1959: 4/29
 BRISTOW, John W.- 1959: 6/1
 BRODE, Robert B.- 1958: 10/6, 11/6, 12/5, 12/8, 12/18; 1959: 1/9, 1/29, 2/11,
 2/24, 4/23, 4/27, 5/1, 5/20, 6/16, 7/10, 7/29, 9/15, 9/16, 9/22, 9/29,
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 BRODE, Bernice (Mrs. Robert B.)- 1959: 5/1, 11/11
 BRODE, Wallace- 1958: 11/7; 1959: 6/16, 9/16; 1960: 5/17
 BRODSKY, Steve- 1959: 10/12
 BROMLEY, Leroy A.- 1959: 3/2, 3/13, 3/25, 4/8, 4/22, 9/4, 9/27, 12/22; 1960:
 4/27
 BRONK, Detlev- 1958: 9/9, 11/7, 12/15; 1959: 1/19, 1/29, 3/16, 3/19, 4/20,
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 BRONSON, Bertrand H.- 1960: 2/25
 BROOKS, Albert- 1959: 1/27
 BROOKS, Frederick P., Jr.- 1959: 9/16
 BROOKS, Harvey- 1959: 1/29, 8/20, 8/31, 9/30, 10/20; 1960: 4/18, 6/7, 6/27
 BROTMAN, Jordan- 1958: 12/3
 BROUDY, Robert- 1960: 7/14
 BROWDER, Olin L., Jr.- 1960: 12/13
 BROWER, Richard V.- 1959: 9/27
 BROWN, (Mrs.)- 1959: 4/29

BROWN, Albert- 1959: 6/1
 BROWN, Bernice (Mrs. Edmund G.)- 1959: 9/17, 11/24
 BROWN, Carroll- 1960: 3/3
 BROWN, Charles- 1959: 10/31
 BROWN, Clarence W.- 1958: 8/22, 8/27, 8/29, 9/13, 9/16, 9/17, 9/22, 9/23,
 10/1, 10/22, 10/24, 10/29, 11/3, 11/5, 11/11, 11/12, 11/19, 11/24, 11/26,
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 9/28, 10/4, 10/28, 12/2; 1961: 1/27
 BROWN, David R.- 1959: 9/16
 BROWN, Delmer M.- 1959: 2/12, 2/16, 2/21, 3/18, 4/8, 4/14, 4/22; 1960: 7/28,
 12/2, 12/21; 1961: 1/25
 BROWN, Doug- 1959: 9/15, 9/17
 BROWN, Dyke- 1959: 2/27
 BROWN, Edmund G. "Pat"- 1958: 11/4, 11/22; 1959: 1/3, 1/6, 1/7, 2/3, 2/4, 2/5,
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 1960: 1/20, 1/22, 1/26, 2/1, 2/2, 2/25, 3/9, 5/23, 5/24, 8/11, 11/8,
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 BROWN, Edmund G., Jr. "Jerry"- 1960: 6/6
 BROWN, Estelle- 1958: 12/26, 12/29, 12/30; 1959: 1/1, 4/14, 10/11
 BROWN, G. Wayne- 1959: 3/11
 BROWN, Harold- 1958: 9/13, 9/25; 1959: 4/22, 5/1, 8/20, 8/21, 8/31, 9/30,
 10/20; 1960: 2/23, 3/9, 3/25, 8/10
 BROWN, Harrison S.- 1958: 12/16; 1959: 1/16, 1/21, 1/22, 3/5, 3/9
 BROWN, Herb- 1960: 3/23
 BROWN, Howard C., Jr.- 1961: 1/18, 1/19, 1/24
 BROWN, Mel- 1959: 9/27
 BROWN, Nick- 1959: 2/3, 2/5
 BROWN, Ralph- 1959: 9/18, 10/23
 BROWN, Ralph M.- 1959: 2/2, 3/14, 4/15, 9/17, 9/30
 BROWN, Robert R.- 1959: 2/25; 1960: 4/4, 10/10
 BROWN, Roberta- 1959: 3/27
 BROWN, Tim- 1960: 3/4
 BROWN, Viva L.- 1959: 2/25
 BROWN, Warren- 1960: 10/22, 12/1
 BROWN, William B.- 1959: 11/11
 BROWNE, Charles I.- 1959: 3/2
 BROWNELL, Katherine- 1959: 4/6, 9/16
 BROWNELL, William A.- 1958: 10/28, 11/26, 12/17; 1959: 1/13, 3/17, 3/25, 4/6,
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 BROWNING, Roger A.- 1960: 8/30
 BROYER, Theodore C.- 1959: 5/4, 5/11, 5/20, 10/1
 BRUCE, A. D.- 1959: 6/26
 BRUCE, F.- 1958: 10/7
 BRUCKER, Gene- 1959: 2/17, 8/19; 1960: 5/4
 BRUECKNER, Keith- 1959: 1/22, 4/27
 BRUMAN, Henry- 1960: 10/12
 BRUMBACK, Ray- 1958: 12/2
 BRUNENKANT, Edward J.- 1959: 5/27
 BRUNER, Jerome S.- 1959: 4/28, 5/26

BRUYN, Henry B., Jr.- 1958: 9/13, 10/24, 11/19, 11/23, 11/24, 11/26, 12/5,
 12/19; 1959: 1/3, 4/22; 1960: 1/20, 1/27, 3/9, 4/20, 6/5, 11/18
 BRYSON, Davis (Reverend)- 1958: 7/5
 BRYSON, Dianne- 1958: 7/5
 BRYSON, Gladys- 1958: 7/5
 BRYSON, James- 1958: 7/5
 BRZEZINSKI, Zbigniew- 1959: 12/3, 12/8; 1960: 1/20
 BUCH, Allan- 1959: 1/17, 3/7, 3/13, 3/25, 5/21
 BUCH, Sam and Sylvia- 1959: 3/7
 BUCHAMAN, A. Russell- 1960: 12/15
 BUCHHOLZ, Doral- 1958: 7/18, 8/7, 8/12, 11/19; 1959: 4/1, 4/8, 7/9, 7/30,
 8/19, 9/2, 9/27, 9/30; 1960: 1/25, 3/3; 1961: 1/25, 1/31
 BUCHLA, Donald, Jr.- 1959: 9/27
 BUCK, Pearl- 1959: 3/18
 BUDDEMEIER, Robert- 1958: 11/6, 11/13
 BULANIN, Mikhail O.- 1959: 10/5; 1960: 6/6
 BULLARD, Daniel R.- 1959: 5/2, 11/14; 1960: 5/21, 11/10
 BULLOFF, Jack J.- 1959: 1/21
 BULLOCK, Theodore H.- 1958: 7/18, 10/29
 BULLWINKEL, Clarence- 1958: 9/23
 BUNCHE, Ralph- 1959: 1/29, 2/5, 4/17; 1960: 1/14, 3/1, 3/9
 BUNDY, Bill- 1960: 5/23, 9/14
 BUNDY, McGeorge- 1959: 6/2, 9/15, 10/20, 11/16, 12/18, 12/19; 1960: 1/16,
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 12/6; 1961: 1/3, 1/9, 1/10, 1/11, 1/12, 1/13, 1/19, 1/20
 BUPP, Lamar P.- 1959: 3/2
 BURBIDGE, E. Margaret- 1959: 4/27
 BURD, John S., Jr.- 1959: 3/16, 4/1; 1960: 5/3
 BURDICK, Eugene "Bud"- 1959: 4/30; 1960: 10/4; 1961: 1/12
 BURGESS, Eugene W.- 1959: 6/1
 BURGESS, Mrs. Eugene - 1959: 2/6
 BURHOE, Ralph- 1958: 11/5
 BURKE- 1959: 6/16, 10/30
 BURKETT, Robert H.- 1959: 9/27
 BURKHARDT, Frederick M.- 1959: 11/23; 1960: 1/22
 BURKUS, J.- 1960: 9/12
 BURLEIGH, Dick- 1959: 3/21
 BURNES, Ernest H.- 1959: 4/7, 4/9, 4/22
 BURNETT, Don- 1959: 11/11
 BURNEY, Leroy E.- 1958: 10/14
 BURNS, Arthur F.- 1960: 8/29
 BURNS, Hugh M.- 1959: 2/2, 2/26, 6/4, 10/31
 BURR, Laureen- 1958: 7/5; 1959: 9/16
 BURRILL, Fred- 1960: 8/16; 1961: 1/23
 BURROWS, Don- 1960: 6/8
 BURTON- 1960: 5/5
 BURTON, J. A.- 1959: 6/10, 11/30
 BURTON, Philip- 1961: 1/10
 BUSEY, Richard H.- 1959: 10/8
 BUSH, Vannevar- 1958: 12/1; 1959: 3/3, 6/20
 BUTENDOFF, Robert L.- 1958: 9/25
 BUTLER, Elmer- 1959: 3/18
 BUTT, Bruce E.- 1959: 5/28
 BUTTERFIELD, Herbert (Sir)- 1959: 2/27
 BYERS, Walter- 1959: 10/12, 10/27, 11/3, 12/17; 1960: 1/26, 2/23, 2/25, 5/23
 BYRNE, Paul- 1959: 10/31

BYKOV, Vil- 1958: 12/1; 1959: 6/9

CABEZAS, Amado Y.- 1959: 9/27
CAEN, Estelle- 1959: 3/31
CAEN, Herb- 1960: 11/20; 1961: 1/27
CAGLE, Fred- 1959: 3/3
CAIN, Jack- 1958: 11/9, 11/14; 1959: 6/19, 6/22
CAIN, Leo F.- 1960: 2/3
CAIN, Marjorie- 1958: 9/6
CAKE, Wallace E.- 1958: 9/17; 1959: 1/27, 3/17, 6/12, 9/1; 1960: 9/12, 12/21;
1961: 1/9
CALDWELL, James- 1959: 2/18, 3/14
CALHOUN, Mrs. Everett- 1960: 11/3
CALKINS, Robert D.- 1958: 7/8; 1959: 1/24; 1960: 10/9
CALL, Asa- 1958: 10/23; 1959: 1/2
CALLAWAY, Enoch, III- 1960: 5/5
CALLISTER, Charles Warren- 1959: 10/29
CALVERT, Robert C., Jr.- 1958: 8/27, 9/29; 1959: 5/4, 5/20, 11/30; 1960: 8/16
CALVIN, Melvin- 1958: 7/15, 7/18, 9/22, 9/23, 9/24, 10/5, 10/6, 10/23, 11/6,
11/14, 12/3, 12/8, 12/9, 12/12; 1959: 1/14, 1/20, 1/27, 2/9, 2/25, 3/3,
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9/7, 10/1, 10/4, 10/10, 11/28; 1961: 1/23, 1/27
CAMBEL, Ali B.- 1959: 8/28
CAMPBELL, Dottie (Mrs. J. Arthur)- 1960: 7/3
CAMPBELL, J. Arthur- 1958: 7/3, 11/10; 1959: 10/18, 10/20, 10/26, 10/27, 11/2,
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CAMPBELL, Robert- 1960: 4/2
CAMERON, Ronald- 1959: 10/31
CAMP, Charles L.- 1959: 3/13; 1960: 6/11
CAMPAS, Victor- 1960: 10/20
CANADAY, John- 1959: 2/2, 2/20, 3/12, 3/13, 4/16, 4/17, 5/14, 5/15, 6/18,
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5/18, 6/16, 6/17, 9/22, 10/13
CANHAM, Erwin- 1960: 1/22
CANTOR, Stan- 1960: 7/14
CARDEN, Pat- 1959: 2/13
CARDWELL, Kenneth- 1959: 3/20
CARETTO, Albert- 1960: 8/22
CAREY, Mrs. Harry- 1959: 7/27
CAREY, William- 1960: 8/2
CARKEET, Carole- 1960: 6/5
CARLETON, Robert- 1959: 6/11, 6/26
CARLETON, Warren A.- 1959: 5/12
CARLSON, Anders J.- 1959: 2/26, 3/31
CARLSON, Edgar M.- 1958: 11/10; 1959: 2/26
CARLSON, Hugo- 1958: 8/2, 11/10
CARMICHAEL, Douglas L.- 1960: 6/6
CARMICHAEL, Leonard- 1958: 9/9, 10/5, 10/6
CARNEY, Francis M.- 1960: 12/22
CARNEY, James Robert, Jr.- 1959: 9/4
CARP, Sylvia- 1960: 6/9

CARR, Denzel R.- 1958: 9/22; 1959: 2/21, 3/31, 5/7, 5/21, 6/11, 6/26, 7/29;
 1960: 3/10, 7/27, 9/2, 10/10
 CARR, Diana- 1958: 11/12
 CARR, Howard- 1959: 1/7
 CARR, Jesse- 1959: 10/11
 CARR, John E.- 1959: 10/11, 12/10, 12/11; 1960: 1/22, 1/27, 2/3, 3/19, 2/4,
 3/22, 4/20, 8/11, 10/14, 10/25, 11/16
 CARR, Robert- 1960: 2/29; 1961: 1/24
 CARR, William G.- 1960: 1/22
 CARRILLO, Leo- 1959: 1/1
 CARSON, Eileen R.- 1958: 7/8, 7/28, 8/1, 8/4, 8/6, 8/8, 8/12, 9/25, 10/1,
 10/2, 11/6, 11/17, 11/18, 11/19, 12/12, 12/15, 12/22; 1959: 1/14, 2/2,
 2/9, 2/12, 2/27, 3/2, 6/14, 6/26, 8/9, 11/2, 11/4; 1960: 1/20, 3/2, 4/14,
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 CARTER, Edward W.- 1958: 8/14, 9/15, 9/26, 10/16, 10/17, 11/20, 11/21, 12/11,
 12/18; 1959: 1/22, 2/18, 2/19, 2/20, 3/13, 3/24, 4/16, 5/14, 6/18, 6/19,
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 CARTER, Everett- 1960: 1/21, 1/22, 4/20, 8/11, 9/22
 CARTER, Herbert- 1958: 10/5; 1959: 4/17
 CARTLEDGE, G. H.- 1960: 10/6
 CASADY, Derek Cook- 1959: 5/5
 CASADY, Margaret (Mrs. Derek Cook)- 1959: 5/5
 CASAGRANDE, Julie- 1959: 5/21
 CASALS, Pablo- 1959: 3/31; 1960: 4/8, 12/13; 1961: 1/12
 CASANOVA, Len- 1960: 1/11, 1/26
 CASE, Everett N.- 1959: 1/24, 9/12; 1960: 2/13, 10/8
 CASON, James, Jr.- 1958: 12/2; 1959: 1/1; 1960: 1/2
 CASON, Mardie- 1960: 3/19
 CASON, Roger- 1959: 9/27
 CASSELL, Paul- 1960: 10/22
 CASSEN, Balfour- 1959: 4/13
 CASSIDY, Harold G.- 1960: 3/28
 CASSINELLI- 1960: 11/1, 11/4
 CASTAGNETTO, Vic- 1959: 10/29
 CASTRO, Fidel- 1959: 4/22
 CATE, James L.- 1960: 8/4
 CATELL, Jacques- 1959: 2/3
 CAULKINS, William F.- 1959: 2/20, 1960: 8/11
 CAVANAUGH, Carol- 1960: 5/25
 CAVELL, Stanley- 1959: 3/24
 CAVES, Richard E.- 1959: 3/14, 3/19
 CECIL, Mildred- 1961: 1/18
 CENTER, Clark E.- 1959: 9/20
 CEPEDA, Orlando-- 1960: 8/27
 CERA, John- 1961: 1/6
 CERENKOV, Pavel A.- 1958: 10/28
 CERF, Alan Robert- 1960: 10/10
 CERNY, Joseph- 1958: 9/25, 10/2, 11/6, 11/13; 1959: 2/18, 8/6, 9/27
 CEZANNE, Paul- 1960: 3/5
 CHAIKOFF, Israel Lyon- 1959: 3/13, 9/24, 10/12; 1960: 3/1, 3/10, 10/3, 10/12
 CHAMBERLAIN, Owen- 1958: 9/3, 12/8, 12/12; 1959: 7/10, 10/26, 10/29, 11/20,
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 12/27; 1961: 1/10, 1/13, 1/17
 CHAMBERS, Leslie- 1960: 5/23, 5/24

CHAMBRE, Paul L.- 1959: 3/24, 5/27, 5/28
 CHAMPION, Hale- 1959: 11/6
 CHANCE, Britton- 1959: 1/29
 CHANDA, Richard N.- 1958: 9/25; 1959: 8/6, 9/27
 CHANDLER- 1960: 10/9
 CHANDLER, Charles- 1959: 11/22
 CHANDLER, Dorothy (Mrs. Norman)- 1958: 8/15, 10/17, 11/20; 1959: 1/16, 1/22,
 2/19, 2/20, 5/14, 6/18, 6/19, 9/17, 9/18, 10/23, 11/19, 11/20, 11/21,
 12/10, 12/11; 1960: 2/18, 2/19, 6/17, 9/22, 12/16
 CHANDLER, Edward G.- 1959: 6/26
 CHANDLER, Merrill F.- 1959: 3/27
 CHANEY, Ralph W.- 1959: 6/28, 7/29, 8/9; 1960: 3/22
 CHAO, Yuen Ren- 1960: 6/11
 CHAPEL, Charles- 1959: 6/12
 CHAPMAN, Albert K.- 1959: 1/21, 3/7
 CHAPPELL, Gordon S.- 1959: 9/28
 CHARLES- 1959: 1/22
 CHARPIE, Robert A.- 1958: 9/1; 1959: 7/16
 CHARYK, Joseph V.- 1959: 10/19
 CHASE, Harry- 1959: 5/12
 CHEIT, Earl Frank- 1959: 4/10, 4/11, 6/1; 1960: 10/10
 CHEKHARIN, E. M.- 1959: 5/13, 10/30
 CHERINGTON, Paul W.- 1960: 8/29
 CHERN, Shiing Shen- 1959: 2/10
 CHERNIN, Gertrude (Mrs. Milton)- 1959: 9/25, 9/28, 10/2; 1960: 3/31, 4/22,
 9/26; 1961: 1/12
 CHERNIN, Milton- 1958: 8/19, 8/20, 8/21, 8/26, 9/15, 9/16, 9/23, 8/30, 10/1,
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 CHERRINGTON, Virgil A.- 1959: 5/20
 CHESNE, Andre- 1958: 9/25, 11/6, 11/13
 CHESNEY, Richard- 1960: 9/30
 CHESSMAN, Caryl- 1960: 5/12
 CHETHAM-STRODE, Alfred- 1958: 10/7, 10/8; 1959: 3/2, 10/8
 CHEVERTON, R. D.- 1959: 3/2
 CHEW, Geoffrey- 1958: 11/8; 1959: 9/16; 1960: 8/16, 9/1
 CHIANG, Chin Long- 1960: 10/10
 CHIAO, Lung Wen "Linda"- 1958: 11/6, 12/4; 1959: 8/6
 CHIAPPONE, Robert C.- 1958: 8/29, 10/27, 11/24; 1959: 4/22, 5/21, 6/8
 CHILDERS- 1960: 10/25
 CHILDS, Herbert G.- 1960: 4/20, 6/9, 7/31, 8/10, 8/23, 9/1, 9/27; 1961: 1/26
 CHILTON, Elmore- 1959: 4/22
 CHILTON, Thomas H.- 1959: 2/2, 2/20, 6/20; 1960: 4/6, 6/2
 CHING, J. F.- 1961: 1/11
 CHIPP, Herschel B.- 1959: 5/22; 1960: 10/10
 CHOPPIN, Gregory- 1958: 10/8; 1959: 4/1

CHRETIEN, C. Douglas- 1958: 12/5, 12/16, 12/17, 12/20; 1959: 1/5, 1/6, 1/9,
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 5/12; 1950: 9/2, 9/27, 12/13; 1961: 1/12
 CHRISTEN, Dave- 1959: 3/16
 CHRISTENSEN, Carl- 1959: 10/31
 CHRISTENSEN, John- 1959: 4/22
 CHRISTIE, Walter M.- 1958: 11/10; 1959: 3/31, 4/4, 4/14; 1960: 5/20
 CHRISTOPHER, George- 1958: 9/7; 1959: 11/21; 1960: 7/31
 CHRISTOPULOS, Paul- 1959: 3/7, 4/7, 6/13, 6/22, 6/23; 1960: 2/28, 3/1, 3/4
 CHU, Yung-Yee- 1958: 9/25, 10/2, 11/6, 11/13, 12/4; 1959: 8/6, 9/27
 CHUPP, Ed- 1959: 8/28
 CHURCH, Alonzo- 1960: 11/16, 12/14, 12/22
 CHURCH, Frank- 1959: 12/16
 CHURCH, Thomas D.- 1959: 2/4, 3/25, 4/8, 11/24; 1960: 1/7, 3/30, 4/27, 5/11,
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 CHURCHILL, Winston- 1958: 12/9
 CHURCHMAN, C. West- 1959: 11/30
 CLARK, Burton R.- 1959: 5/8
 CLARK, David- 1960: 4/7
 CLARK, Don- 1959: 11/1
 CLARK, F. J.- 1958: 9/25
 CLARK, Helen- 1959: 4/14
 CLARK, Joseph- 1960: 3/8
 CLARK, Robert H., Jr.- 1959: 9/2
 CLARK, Samuel D.- 1961: 1/11
 CLAUSER, Francis- 1959: 10/13
 CLAUSER, Milton- 1959: 8/28, 10/13
 CLAUSEN, John A.- 1960: 4/25, 5/1;3, 5/23, 5/25, 6/20, 7/16, 7/18, 7/27,
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 CLAUSS, Clifford and Ethel - 1958: 7/27; 1960: 7/10
 CLAYTON, Benjamin- 1960: 5/21, 6/7, 6/20
 CLAYTON, Russell A.- 1958: 11/17
 CLEVELAND, Brad- 1958: 12/4
 CLIFFORD, Clark- 1961: 1/16
 CLINE, James- 1958: 10/27; 1959: 1/20, 3/19; 1960: 8/18, 8/23, 11/2
 CLINTON, J. Hart- 1959: 6/1
 CLOUGH, R. W.- 1960: 2/8
 COAKLEY, J. Frank- 1958: 12/17; 1959: 6/10
 COBBLE, James- 1958: 7/1, 7/2, 7/17, 9/23, 9/25; 1959: 1/1, 1/7, 1/25, 1/26,
 1/27, 6/5, 8/27, 8/28, 9/11, 9/12, 12/28, 12/29, 12/30, 12/31; 1960: 1/1,
 1/2, 1/7, 3/23, 9/11, 9/12, 9/23
 COBLENTZ, William- 1959: 6/3, 6/24
 COBEY, James A.- 1959: 3/13, 3/16, 4/6, 10/31
 COCHRAN, Hosmer- 1961: 1/17
 COCHRAN, Jacqueline- 1959: 12/31;
 COCHRAN, Mrs. Richard- 1960: 8/30
 COCKRELL, Robert A.- 1958: 9/23, 10/11, 10/30; 1959: 1/8, 2/11, 5/29, 6/4,
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 COCKCROFT, John (Sir)- 1959: 5/14; 1960: 1/20
 COELHO, Pinto- 1958: 9/8
 COFFEY, Hubert- 1959: 5/12, 6/2
 COGGERSHALL, Lowell T.- 1959: 8/20; 1960: 3/5, 5/7
 COHELAN, Jeffrey- 1959: 3/31, 8/14, 8/31, 10/12, 10/29; 1960: 3/8; 1961: 1/5,
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 COHEN, Byron E.- 1959: 9/1, 12/12
 COHEN, Karl- 1959: 5/21

COHEN, Seymour- 1960: 4/8
 COHEN-BAZIRE, Germaine (Mrs. Roger Stanier)- 1960: 5/4
 COHN, Waldo E.- 1960: 5/26
 COLBY, L. J., Jr.- 1959: 8/28
 COLE, Charles W.- 1959: 6/23, 6/24
 COLE, Sterling- 1958: 9/1
 COLE, T. E.- 1959: 3/2
 COLES, James S.- 1960: 3/5
 COLES, Jesse- 1959: 3/18
 COLGATE, Stirling A.- 1959: 5/21, 8/17
 COLLIER, Randolph- 1959: 10/31
 COLLINS, Leroy- 1959: 12/14
 COLLINS, Rex A., Jr.- 1959: 8/17
 COLLINS, Sheila- 1959: 3/24
 COLVIG, Raymond A.- 1959: 11/3, 11/12; 1960: 6/17; 1961: 1/27
 COMMANDAY, Robert Paul- 1958: 9/15; 1959: 5/20, 10/11; 1960: 3/3, 3/23
 COMMINS, Michael- 1959: 4/6
 COMPTON, Arthur H.- 1959: 1/29, 3/18, 4/10, 4/14, 4/20, 4/24, 4/28, 5/12;
 1960: 8/4, 8/9, 11/8, 11/21
 CONANT, James B.- 1959: 1/13, 1/30, 3/9, 4/6, 5/20, 5/21, 6/23, 9/18, 9/23,
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 CONANT, Michael- 1958: 12/22; 1960: 10/10
 CONEY, Donald- 1958: 9/23, 10/21, 11/26, 12/10, 12/17; 1959: 1/5, 1/9, 1/14,
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 CONLEY, Harry Lee, Jr.- 1958: 10/2, 11/6
 CONNER, Ralph- 1960: 5/17
 CONNICK, Robert E.- 1958: 7/15, 7/16, 10/23; 1959: 2/3, 3/6, 4/8, 5/6, 5/20,
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 CONNORS, Betty- 1959: 4/4, 4/22, 5/20, 6/10
 CONRAD, Charlene- 1959: 12/16; 1960L 5/25, 6/11
 CONRAD, Herbert- 1959: 12/18; 1960: 1/16, 4/23
 CONSOLAZIS, William- 1959: 4/23
 CONSTANCE, Lincoln- 1958: 7/29, 8/9, 8/26, 8/27, 9/16, 9/23, 9/30, 10/1,
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 CONWAY, John G.- 1958: 9/25, 11/6; 1959: 9/27; 1960: 8/18
 CONZETT, Homer E.- 1959: 9/27
 COOK, Benning- 1959: 4/30, 5/5, 5/20

COOK, Sherburne F.- 1959: 1/22, 2/18, 3/13, 3/26, 4/7, 4/11, 4/22, 6/9, 11/12, 11/30; 1960: 4/27
 COOKE, Alistair- 1958: 8/26, 10/1, 10/19; 1959: 9/10
 COOKSEY, Donald- 1958: 7/2, 7/10, 8/29, 12/22; 1959: 1/.1, 3/3, 4/8, 6/4, 6/11, 6/13, 6/19, 6/20, 6/23, 6/24, 7/30, 8/6, 10/12, 10/14, 10/15, 10/19, 10/23, 10/26, 12/9; 1960: 3/8, 3/13, 5/6, 5/18, 9/1, 9/14, 10/27, 12/1, 12/6
 COOLIDGE, Glenn E.- 1960: 2/19
 COOLIDGE, Harold J.- 1958: 10/5
 COOMBS- 1959: 6/4
 COOMBS, Nathan F.- 1959: 3/13, 3/16, 4/6, 10/31
 COOMBS, Phil- 1959: 1/28, 3/30, 5/20
 COOPER, John- 1959: 4/30; 1960: 11/16
 COOPER, Ruth- 1959: 4/22
 COPE, Arthur C.- 1958: 12/16; 1959: 9/1, 9/14; 1960: 10/7; 1961: 1/10
 COPELAND, D. Eugene- 1959: 5/20
 COPELAND, Gloria- 1959: 2/12, 3/2, 3/10, 3/16, 3/30, 5/4, 6/2, 6/19, 6/26, 8/21, 10/31; 1960: 5/29, 9/14
 COPPACK, Bob- 1960: 5/10
 CORBEN, Herbert C.- 1959: 6/22
 CORCAS, Gilles M.- 1960: 10/10
 CORDIS, Regina (Sister)- 1960: 8/10
 COREY, Arthur- 1960: 1/22
 CORLEY, James H.- 1958: 11/7, 11/20, 11/22, 11/23, 11/24, 12/9, 12/19; 1959: 1/1, 1/22, 2/19, 2/20, 2/21, 2/27, 3/11, 3/12, 3/13, 3/14, 3/31, 4/9, 4/14, 4/16, 4/17, 4/24, 5/5, 5/13, 5/21, 6/4, 6/11, 6/23, 7/29, 8/3, 8/7, 8/13, 8/17, 9/1, 10/12, 10/15, 10/23, 11/5, 11/19, 11/20, 12/3, 12/8, 12/10, 12/11; 1960: 1/21, 1/22, 2/19, 3/22, 4/11, 5/18, 6/17, 8/5, 8/18, 8/26, 9/16, 11/16, 12/1, 12/8, 12/16; 1961: 1/5
 CORNELL, S. Douglas- 1958: 10/15
 CORNET, Israel- 1958: 8/4, 8/7; 1959: 4/30
 CORNOG, Bob- 1959: 6/10
 CORSON, Dale R.- 1959: 1/28, 8/6, 8/7
 CORNSWEET, Tom N.- 1960: 10/3
 CORTNEY, Phillip- 1959: 8/25; 1960: 1/23
 CORUM, Charles A.- 1959: 9/27
 CORY, Arthur F.- 1959: 8/14
 CORYELL, Charles D.- 1958: 9/8; 1959: 9/11; 1960: 10/31
 COSTER, Dick- 1959: 1/29
 COUGHLIN, Charles- 1959: 8/31
 COURANT, Richard- 1960: 4/23
 COUSINS, Norman- 1959: 1/24, 2/11, 9/12; 1960: 2/13, 10/8
 COWAN, Clyde- 1958: 9/8, 9/9, 10/5; 1959: 6/22, 7/30
 COWEE, John W.- 1958: 11/17; 1959: 1/19, 4/8, 5/6, 5/27, 9/23, 11/30; 1960: 1/23
 COWEN, D. D. "Don"- 1959: 10/8
 COWEN, Denis- 1960: 1/14
 COWING, Fordyce V.- 7/27
 COYLE, James- 1958: 12/22
 COX, E. Morris- 1959: 12/9; 1960: 1/8
 CRABBE, John C.- 1960: 1/27, 2/3
 CRAEMER, Jack- 1960: 10/22
 CRAIG, Robert- 1959: 10/30
 CRAM, Donald J.- 1959: 3/24
 CRAWFORD, Jay- 1960: 3/10
 CRAWFORD, Bryce- 1959: 3/2, 3/27, 10/12, 12/4; 1960: 1/9

CRAWFORD, Frank S., Jr.- 1960: 10/10
 CRAYFORD, Ruth M.- 1959: 5/1
 CREDE, Robert H.- 1959: 3/14, 3/18, 4/7
 CREEK, George- 1958: 10/7
 CREIGHTON, James- 1961: 1/24
 CRESPO, Vitor P.- 1958: 8/18, 9/8, 9/25, 10/2, 11/6, 11/13, 12/4; ; 1959:
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 CRICK, Francis- 1959: 6/12, 6/24
 CRISLER, Herbert Fritz Orrin- 1959: 10/27
 CRITTENDON, C. C.- 1959: 10/1
 CROCKER, W. W.- 1959: 1/14, 5/5, 7/29, 8/5
 CROFT- 1960: 2/1
 CRONBACH, Lee- 1959: 5/12, 5/20, 7/27
 CRONIN, Melvyn I.- 1959: 8/14
 CROSS, Paul C.- 1958: 12/16; 1959: 9/21
 CROUCH, Frank- 1959: 3/20, 3/25
 CROW, Wayne- 1959: 9/26, 10/3
 CROWE, Kenneth M.- 1960: 10/10
 CROWN, Robert W.- 1959: 2/26, 3/13
 CRUM, Bartley Cavanaugh- 1960: 11/29
 CRUM, William L.- 1959: 6/11
 CRUTCHFIELD, Richard S.- 1959: 3/14, 3/18; 1960: 10/12
 CUFF, A.- 1959: 12/2
 CULBERTSON, Dorothy- 1958: 12/2
 CULLEN, Lou- 1960: 3/4
 CULLER, F.- 1958: 10/7
 CUMMINS, T. W.- 1960: 9/15
 CUMMOCK, Michael- 1958: 11/15; 1959: 2/10, 2/24; 1960: 8/16
 CUNNINGHAM, Burris B.- 1958: 7/15, 7/28, 9/6, 9/8, 9/25, 10/2, 10/8, 11/4,
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 CUNNINGHAM, Don M.- 1959: 5/20
 CUNNINGHAM, Eileen- 1959: 3/2
 CUNNINGHAM, Thomas J.- 1958: 9/15, 9/18, 9/23, 9/29, 10/13, 10/15, 11/5,
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 CURIE, Eve- 1959: 1/25
 CURTIN, David Y.- 1959: 4/27
 CURTIS, Garniss H.- 1959: 4/30
 CUSHING, Paul- 1959: 10/10
 CUTHBERTSON, George- 1959: 2/12, 2/17
 CUTTER, Charles- 1959: 12/16
 CZARNOWSKI, Lucille J.- 1960: 6/11

DABA, Raymond J.- 1959: 3/14
 DAGENDOF, Jack- 1959: 11/7
 DAHL, Walter I.- 1960: 2/19
 DAILEY, Gardner A.- 1960: 12/21
 DAILLANT, Georges- 1958: 9/22
 DALENINO, Eskil- 1960: 11/7

DALENIUS, Tore- 1960: 11/7; 1961: 1/11
 DALLEZAHN, N. A.- 1960: 3/28
 DALTON, Bobby- 1959: 3/7
 DALY, Howell V.- 1960: 10/10
 DALY, Wesley- 1959: 2/27
 DALZEL, Carson- 1958: 9/30
 DALZIEL, Charles- 1958: 10/13, 12/4; 1959: 3/13, 10/27, 11/3, 11/9
 DANANKOV, Aleksandr- 1959: 2/2
 DANE, May O'Donnell- 1959: 9/2
 DANGERFIELD, George- 1959: 7/27
 DANIELS, Farrington- 1959: 12/4; 1960: 1/9
 DANIELS, W. R.- 1959: 8/29
 DANKEVICH, Konstantin- 1959: 10/27
 DANNENBERG, Thurman- 1959: 3/27, 8/21
 DANTON, J. Periam- 1958: 9/23, 11/26, 12/17, 12/23; 1959: 2/4, 2/25, 3/25,
 3/30, 4/8, 5/6, 5/21, 5/27, 9/23, 10/13, 10/14, 11/4, 11/25, 12/16; 1960:
 1/6, 2/24, 3/9
 D'ARCY, Martin (Father)- 1961: 1/29
 DARROW, Karl K.- 1959: 2/9
 DAUBEN, Carol (Mrs. William G.)- 1960: 4/8, 9/13
 DAUBEN, William G.- 1958: 8/6; 1959: 21/25, 8/11, 10/5, 11/6, 11/30; 1960:
 2/23, 6/2, 11/21, 11/29
 DAULTON, Fred- 1959: 5/21
 DAVID, Charles and Catherine- 1958: 7/2
 DAVID, Edward- 1960: 8/16, 8/24
 DAVIDSON, Norman R.- 1959: 4/27, 9/8
 DAVIES, T. Harrison- 1958: 10/8; 1959: 10/8
 DAVIES, Paul- 1959: 5/7, 6/3
 DAVIES, Peg- 1959: 4/22
 DAVIS, Al- 1959: 10/31
 DAVIS, George E.- 1959: 3/11
 DAVIS, Harmer E.- 1959: 1/16, 5/28, 9/4; 1960: 6/14
 DAVIS, Isabel- 1958: 7/18
 DAVIS, John- 1959: 4/14; 1960: 6/30
 DAVIS, Joseph- 1960: 3/3, 4/2; 1961: 1/24
 DAVIS, Keagle- 1959: 9/28
 DAVIS, Kingsley- 1959: 3/18, 3/26, 3/27, 4/22, 5/8, 6/1; 1960: 1/29
 DAVIS, Phil- 1959: 10/16
 DAVIS, Tom- 1959: 10/16
 DAVIS, Watson- 1958: 10/6; 1960: 3/13, 5/3
 DAVIS, W. H.- 1958: 10/27; 1959: 2/12, 3/1, 4/22, 6/8, 12/7; 1959: 5/21
 DAVIS, William J.- 1959: 6/9
 DAVIS, William E.- 1958: 8/25, 10/2, 12/5; 1959: 2/25, 11/24
 DAVISON, William W.- 1959: 6/1
 DAVISSON, Eleanor Irvine- 1958: 8/27
 DAVISSON, Malcolm- 1959: 6/26; 1960: 1/29, 2/2, 4/1
 DARTYAN, Gagik S.- 1958: 12/9
 DAWSON, Lyle R.- 1960: 1/11
 DAY, James- 1959: 3/30; 1960: 1/27, 2/3, 6/13
 DE, A. K.- 1959: 3/11
 DEAN, Gordon E.- 1959: 1/18; 1961: 1/14
 DEAN, Walter- 1959: 8/7, 10/30, 12/7
 DE BELLIS, Frank V.- 1960: 3/31
 De BURLO, C. Russell, Jr.- 1960: 6/14, 6/20, 7/28, 11/3, 11/4, 11/16, 11/29,
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 DEBYE, Peter- 1959: 2/13, 3/9, 5/2, 11/14, 11/15; 1960: 5/21, 11/10

De CARVALHO, A. Herculano- 1959: 8/18
 De GARCIA, Roland- 1960: 5/2
 De GARMO, E. Paul- 1958: 11/17; 1959: 2/6, 3/31, 6/1, 10/1, 11/30
 De GAULLE, Charles- 1960: 1/12, 1/14
 De GOUVEIA, Antonio J. A.- 1959: 7/29
 De GROOTE, Paul- 1959: 2/6
 De La HARPE, Jacqueline- 1959: 3/3, 11/24; 1960: 2/4, 6/11
 De LAO, Daniel- 1959: 5/5, 5/8
 DEL CARRIL, Donato- 1960: 4/14
 DELLARAY, Arthur L.- 1959: 3/1
 DE LONG, George- 1959: 3/9, 5/21, 6/7
 DEL PIERO, Raul A.- 1960: 5/4
 DeMARS, Vernon A.- 1958: 9/15, 12/8, 12/9; 1959: 6/13, 6/22, 9/3, 9/24, 9/25,
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 DEMING, Civilla- 1959: 7/20
 DeMONTE, Louis A.- 1958: 8/29, 9/13, 9/22, 9/23, 10/1, 10/13, 10/29, 11/19,
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 DEMPSTER, Everett R.- 1959: 1/9, 3/2, 3/14, 3/18, 3/27, 5/4, 5/20
 DEMSEY, James- 1959: 4/22
 DENMAN- Don- 1959: 5/7
 DENNES, William R.- 1958: 7/30, 8/7, 8/18, 8/19, 8/21, 9/24; 1959: 2/24, 3/16,
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 DENNY, William D.- 1959: 4/14, 10/27; 1960: 12/22
 DENT, James- 1959: 5/21
 DeOME, K. B.- 1959: 4/22; 1960: 4/20
 De RANEK, Bill- 1958: 12/27
 De ROOS, Robert- 1958: 9/24
 De ROY, Lynne- 1959: 2/26
 DERTHICK, Lawrence G.- 1959: 2/26, 2/27, 3/3, 4/28, 9/15, 9/16, 12/8; 1960: 4/7
 De TRISTAN, Marc- 1959: 7/29
 DEUTSCH, Martin- 1959: 4/27, 12/14; 1960: 1/20
 DEUTSCHMANN, Paul- 1959: 8/9
 De VILLERS, Maurice K.- 1959: 9/27
 de VOGELAERE, Rene J.- 1960: 2/10, 4/4, 6/1, 10/9, 10/25, 12/7
 De VOS, George A.- 1960
 DEVOTO, Giacomo- 1959: 5/8, 9/19
 DIAMOND, Richard M.- 1958: 9/25, 11/6, 12/4; 1959: 9/27
 DIAMOND, Sue Ann- 1959: 5/7, 5/21
 DIAS, Manuel- 1959: 6/1
 DICKERSON, George- 1958: 8/25, 8/28, 9/17, 9/25, 9/26; 1959: 8/20
 DICKHOFF, John S.- 1961: 1/12
 DICKINSON, Fred E.- 1959: 3/26
 DIEL, Ferdinand- 1959: 5/21
 DIETRICH, Jim- 1959: 5/23
 DILIBERTO, Stephen P.- 1959: 1/20, 4/7, 4/30
 DILLARD, (Mrs.)- 1959: 8/7

DILLIHAY, Ronald C.- 1960: 12/7
 DILLER, Paul- 1959: 5/21
 DILLON, William Albert, Jr.- 1959: 4/13, 6/26
 DILWORTH, Nelson- 1959: 10/31
 DINGWALL, Ewen C.- 1958: 9/7, 9/10, 9/25, 10/5, 10/6, 11/4
 DINSDALE, Donna- 1959: 9/27, 10/26, 11/2, 11/3, 11/4, 11/21; 1960: 1/12
 DOAN, Dick- 1958: 9/24
 DODSON, Lowrie- 1960: 12/2
 DOCHTERMAN, Clifford L.- 1958: 8/14; 1959: 4/8; 1960: 3/8, 3/10, 6/17, 8/9,
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 DODD, Paul A.- 1959: 2/6, 2/17, 4/14, 5/5, 8/24, 10/16, 10/23, 11/19, 11/20;
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 DODDS, John P.- 1961: 1/3
 DODDS, John W.- 1960: 1/22
 DODGE, John- 1960: 1/20
 DOHERTY, Wilfred T.- 1959: 5/2, 11/14; 1960: 5/21, 5/22, 9/11, 11/10
 DOHNER- 1959: 9/4, 10/17, 11/1
 DOLWIG, Richard J.- 1959: 3/16, 4/6, 10/31
 DOMOTO, Pete- 1959: 9/28, 10/31; 1960: 5/25
 DONAHOE, Dorothy- 1959: 3/14, 4/15, 4/24, 10/23
 DONALD, William G.- 1958: 8/8, 9/30
 DONALDSON, Robert- 1958: 11/19
 DONNELLY, Ruth N.- 1959: 5/4, 6/2, 8/20; 1960: 6/14, 6/17
 DONOVAN, Hedley- 1960: 11/22
 DONOVAN, Paul Francis- 1958: 9/25, 9/30; 1959: 4/21, 8/3, 9/10; 1960: 9/13
 DOOLITTLE, James- 1959: 1/26, 3/3, 6/20
 DORFMAN, Robert- 1959: 5/21
 DORMANN, Charles A., Jr.- 1959: 6/26
 DORN, John- 1958: 8/7; 1959: 3/31; 1960: 1/23
 DORNIN, May- 1959: 3/24
 DOSSA, Alfred- 1960: 5/25, 6/9
 DOUDOROFF, Michael- 1959: 4/30
 DOUGERY, Nancy- 1959: 2/17
 DOUGHERTY, Kathleen Ann- 1960: 8/3
 DOUGHTY, Dick- 1960: 5/25
 DOUGLAS, W. D.- 1958: 7/10, 7/16, 10/1, 10/14
 DOWNES, Ken- 1960: 2/23
 DOYLE, Mel- 1959: 6/10
 DRAEGE- 1959: 4/23
 DRAPER- 1959: 5/26
 DRAPER, Benjamin- 1960: 3/8
 DRENNAN, Don- 1960: 11/4
 DREW, Ed- 1959: 1/28, 9/10
 DREWES, Robert J.- 1959: 3/10, 8/9
 DREWSK, Thomas- 1960: 3/10
 DREGGERS, Frank E.- 1959: 3/2
 DRINNON, Richard B.- 1960: 5/10
 DROESSLER, Earl G.- 1960: 12/23
 DRUMMOND- 1960: 8/10
 DRURY, Newton- 1959: 1/20, 2/13
 DRYDEN, Hugh- 1958: 10/6, 12/18; 1959: 4/21, 4/24, 5/1, 8/6, 9/15, 9/22, 9/30,
 10/20; 1960: 2/1, 2/4, 3/9, 9/20, 11/15
 DuBRIDGE, Lee- 1958: 9/29, 11/18, 12/3; 1959: 6/20, 9/30, 11/23; 1960: 1/4,
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 DUCKLES, Vincent H.- 1959: 10/27

DUDLEY, Anna Carol- 1958: 7/28, 8/1, 8/6, 8/8, 8/12, 8/14, 8/19, 8/25, 8/27,
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 DUFFIELD, Robert- 1959: 5/4
 DUFFIN, John H.- 1959: 9/27
 DUISIT, Lionel- 1960: 10/10
 DUKE, C. Martin- 1960: 11/13
 DUKES, Hubert N. (Reverend)- 1960: 2/19
 DULLES, John Foster- 1959: 2/25, 3/11
 DUMKE, Glenn S.- 1958: 10/20, 10/27; 1959: 1/6, 1/13, 1/20, 1/21, 3/11, 3/17,
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 DUNCAN, Delbert J.- 1958: 11/17; 1959: 11/30
 DUNGAN, Ralph- 1961: 1/16
 DUNHAM, Alden- 1959: 1/30
 DUNHAM, Chuck- 1959: 9/8; 1960: 6/8
 DUNHAM, Franklin- 1958: 10/10
 DUNLAP, Susan- 1958: 10/13; 1959: 5/8
 DUNN, Francis- 1960: 2/19
 DUNN, Louis- 1959: 6/17
 DUNN, Max- 1958: 9/26
 DUNNING, John R.- 1959: 1/29, 8/7; 1960: 10/11
 DUNSCOMB, George- 1959: 6/8; 1960: 5/4
 DUNWORTH, John- 1958: 10/3; 1959: 7/16
 DUPREE, A. Hunter- 1959: 4/9, 4/22, 6/1, 6/16, 10/26, 11/3, 12/9; 1960: 2/16,
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 DURHAM, J. Wyatt- 1958: 10/29; 1959: 3/31, 5/5, 6/2, 8/3; 1960: 4/20
 DURHAM, William Higley- 1960: 11/29
 DURSLAG, Mel- 1958: 8/25
 Du SHANE, Graham- 1958: 10/3
 DUSMET, Luigi- 1960: 1/4
 DUSTIN, W. A.- 1958: 10/20
 DUTTON, Fred- 1960: 8/11, 12/1, 12/6, 12/12
 DUTTON, Thomas B.- 1959: 1/22, 6/26, 8/9, 10/12, 10/13; 1960: 2/25
 DWORSHAK, Henry Clarence- 1961: 1/18
 DYER, Norman H.- 1958: 8/29, 10/1; 1959: 1/7, 2/4, 2/5, 2/27, 3/25, 4/1, 4/8,
 5/12, 6/10, 6/24, 8/31, 9/3, 10/29, 11/24, 12/3, 12/23; 1960: 1/7, 1/27,
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 DYKSTRA, Clarence- 1959: 11/19

EADS, Donald- 1958: 8/21
 EAKIN, Richard M.- 1959: 8/3; 1960: 4/20, 9/7
 EAKINS Family- 1959: 7/17
 EASTLAND, Louise- 1959: 4/22
 EASTMAN, Ann- 1959: 3/31
 EATON, Cyrus- 1959: 2/12
 EBAN, Abba- 1959: 3/18, 9/28
 EBERHART, Howard D.- 1959: 5/28, 9/4, 10/1; 1960: 2/10, 3/9, 6/13
 EBIEK, Bent- 1959: 8/6

EBRIGHT, Ky- 1959: 1/12, 3/25, 3/27, 5/4, 5/6, 5/21, 5/23
 ECKART, Carl- 1959: 9/29
 ECKERT, John P., Jr.- 1959: 9/16
 EDDINGS, Ron- 1959: 4/6
 EDDINGTON, Rod- 1960: 4/6
 EDDY, Jack- 1960: 1/25
 EDGERTON, James Howard- 1959: 5/22
 EDSON, Lee- 1958: 8/25, 10/19
 EDWARDS, Helen L.- 1960: 11/13
 EDWARDS, Jeanette Seaborg (Mrs. Ray)- 1958: 7/22, 7/27, 12/26, 12/27; 1959:
 1/3, 5/16, 5/17, 7/26, 8/25, 12/24, 12/25, 12/27; 1960: 7/10, 7/16
 EDWARDS, R. R.- 1959: 11/4
 EDWARDS, Ralph- 1958: 12/30; 1959: 10/17; 1960: 10/15
 EDWARDS, Ray- 1958: 7/27, 12/26, 12/27; 1959: 12/24; 1960: 1960: 7/10, 7/16
 EDWARDS, Sally- 1959: 2/26
 EDWARDS, T. Bentley- 1960: 10/25, 12/9
 EHRlich, Victor- 1961: 1/5
 EHRMAN, Sidney- 1959: 3/31, 5/5, 5/6, 5/7, 6/9, 6/12
 EICHELBAUM, Stanley- 1960: 3/11
 EICHLER- 1958: 8/22
 EILERS, William- 1959: 5/26
 EINSTEIN, H. A.- 1960: 12/2
 EISEMANN, Florence- 1958: 7/28
 EISENHOWER, Dwight David- 1958: 9/29, 12/24; 1959: 1/26, 1/29, 5/18, 5/19,
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 EISENHOWER, Milton- 1960: 4/1, 5/16
 EISTER, Warren- 1958: 10/7
 EKLUND, Sigvard- 1958: 7/18, 9/8, 9/16; 1959: 3/12
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 ELBERG, Sanford- 1958: 8/6, 11/24, 12/5, 12/8, 12/23; 1959: 1/7, 1/13, 1/19,
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 ELBET, B.- 1959: 9/27
 ELDEN, James H.- 1960: 8/30
 ELDER, J. Peter- 1958: 12/5; 1960: 10/24
 EL FASI, Mohammed- 1959: 9/3
 ELIOT, T. S.- 1960: 5/8, 9/30
 EL KHEDRY- 1959: 4/24
 ELKUS, Albert I.- 1959: 10/27
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 ELLIOTT, Denton W.- 1958: 10/1
 ELLIOTT, Dick- 1959: 5/27, 6/9
 ELLIOTT, Jean- 1959: 9/29
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ELLIOTT, Pete- 1958: 8/6, 8/23, 8/25, 9/17, 9/25, 11/17, 11/21, 11/24, 11/26,
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 ELLIOTT, Roger J.- 1961: 1/11
 ELLIOTT, Roy- 1959: 8/8
 ELLIOTT, William Y.- 1960: 8/29
 ELLIS, Albert- 1960: 5/10
 ELLIS, W.B.- 1959: 3/18
 ELSASSER, Walter- 1959: 5/20
 ELSON, Robert- 1959: 8/9
 ELSTON, Arnold- 1959: 10/27
 ELVEHJEM, Conrad A.- 1959: 5/4, 5/7, 10/23, 10/24
 EMELEUS, H. J.- 1959: 2/26, 3/12, 3/31
 EMELYANOV, Vasily S.- 1958: 9/1, 9/9, 9/27, 9/29, 10/26, 11/11; 1960: 3/28,
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 EMENEAU, Murray- 1959: 3/3, 3/26, 4/22; 1960: 2/25, 3/9, 6/2
 EMENEGGER, Keith- 1960: 10/22
 EMERSON, Ralph- 1959: 3/17, 3/23, 5/5, 6/12, 6/22, 8/3, 11/12, 12/7; 1960: 4/20
 EMERY, Alden H.- 1959: 8/18; 1960: 3/16, 4/7, 10/7
 EMMETT, Paul H.- 1958: 10/8
 EMMONS, Donn- 1959: 6/24; 1960: 3/30, 4/7
 ENDSLEY, Dan- 1958: 11/5, 11/11, 11/19
 ENGBRETSON, Paul L.- 1959: 1/6
 ENGELBERT, Ernest- 1958: 11/4; 1959: 1/3, 1/6, 1/9, 2/16, 2/26, 3/8, 9/8;
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 ENGELHARD, Gregory E. (Virginia)- 1958: 7/3, 7/7, 7/29, 8/4, 8/6, 8/7, 8/8,
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 ENGELHARDT, Vladimir A.- 1958: 10/13
 ENGELMAN- 1960: 4/7
 ENGLAND, Sharon- 1959: 7/29, 9/20
 ENGLE, Clair- 1959: 4/4, 5/20, 8/14, 9/8, 9/19; 1960: 3/8, 3/9, 3/25, 11/23,
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 ENGLISH, Spofford G. - 1958: 9/9, 11/3, 11/12, 12/3, 12/8; 1959: 5/4; 1960:
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 ENGSTROM, Elmer W.- 1960: 11/4
 ERDELATZ, Eddie- 1960: 1/8, 1/11, 1/13, 1/21, 1/25, 2/5, 2/23
 ERHART, A. A.- 1959: 10/31
 ERICKSON, Edwin R.- 1959: 10/6
 ERICKSON, Eric K.- 1959: 2/20, 5/4
 ERICKSON, Richard E.- 1958: 9/20, 10/13, 11/21, 12/30; 1959: 3/18, 3/20, 3/23,
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 ERLANGER, Joseph- 1959: 4/17
 ERLICH, Allen- 1960: 3/2
 ESHERICK, Joseph- 1959: 9/3, 12/3
 ESPENSCHADE, Anna S.- 1959: 3/26, 8/17
 ESSABAL, Paul- 1960: 8/5

ETZLER, Dorr- 1960: 8/17
 EUBANKS, Sam- 1959: 6/1
 EURICH, Alvin- 1958: 9/22; 1959: 4/24
 EUSTUS, Amber- 1959: 6/10
 EVANS, Herbert- 1960: 10/27
 EVANS, Griffith C.- 1959: 3/24, 11/11; 1960: 2/25
 EVANS, Robert J.- 1959: 2/20, 3/12, 3/13, 5/15, 6/18, 6/19, 9/17, 11/20,
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 EVARTS- 1959: 4/14
 EVASHEVSKI, Forest- 1958: 12/30
 EVERNDEN, Jack- 1959: 4/30
 EVEROTE, Warren- 1959: 12/4; 1960: 1/19, 1/25
 EVERSON, George- 1958: 12/1
 EVERSON, J. E.- 1960: 1/8, 2/4
 EWALD, Paul P.- 1959: 6/16
 EWART, Ros H.- 1958: 7/1, 7/2; 1959: 1/27, 6/12, 9/11; 1960: 9/12
 EWELL, Ray- 1960: 8/17
 EYMANS Family- 1960: 9/22
 EYRING, Henry- 1958: 10/5; 1959: 5/2, 8/20, 8/31, 9/15, 9/18, 10/19, 11/14,
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FADER, Akse1- 1961: 1/27
 FAGIN, Henry- 1959: 2/3
 FAILLA, Giacchino- 1960: 5/7
 FAIRBANKS- 1960: 12/7
 FALER, Kenneth T.- 1958: 7/17, 11/13
 FALK, Laura and Maurice- 1959: 5/15
 FARMER- 1961: 1/22
 FARNHAM: Willard E.- 1958: 9/22, 10/1, 10/22, 11/5, 11/12, 11/26; 1959:
 2/4, 2/11, 2/25, 3/3, 3/10, 3/25, 4/8, 4/22, 5/6, 5/8, 5/20, 5/21, 6/4;
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 FARR, Fred S.- 1959: 3/16, 5/21, 6/11, 10/30
 FARR, Newton C.- 1959: 6/20
 FARRELL, Eileen- 1958: 9/28; 1959: 3/20
 FASTEAU, Herbert- 1960: 6/9
 FATT, Irving- 1960: 11/29
 FAUST, Clarence- 1958: 9/6; 1959: 4/24
 FEATHER, Norman- 1959: 7/20
 FEDER, Edward L.- 1958: 12/12; 1959: 3/11, 10/15, 10/29, 11/12, 12/8; 1960:
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 FEHER, George- 1959: 4/16, 4/27
 FEIGEL, Herbert- 1960: 2/24
 FELDMAN, Jacob- 1960: 1/20, 2/16
 FELDREICH, Bengt- 1959: 3/12
 FENN, Wallace O.- 1960: 3/29
 FENNER, Darwin S.- 1960: 2/13
 FERGUSON, Don E.- 1958: 10/7; 1959: 3/2
 FERMI, Enrico- 1959: 12/2; 1960: 12/27
 FERRUOLO, Arnolfo B.- 1959: 1/6, 3/11, 3/26, 5/22, 10/29; 1960: 4/27
 FEUER, Lewis S.- 1959: 8/3, 9/20, 9/24
 FEY, Donalee- 1959: 6/7
 FEYNMAN, Richard- 1958: 10/2; 1959: 4/27, 12/3; 1960: 1/20, 11/16
 FHY, Thomas A. (Commander)- 1959: 10/12
 FIDLER, Harold- 1959: 2/6, 2/9, 5/6, 6/3, 8/10, 8/12, 9/2, 10/5; 1960: 7/27
 FIELD, Lester- 1959: 6/16
 FIELDS, Paul K.- 1958: 10/9; 1959: 3/2

FILES, Tom- 1960: 6/9
 FINCHER, Robert M.- 1959: 3/10, 5/8
 FINK, Mitchell- 1959: 2/12
 FINKELSTEIN, Jacob J.- 1960: 10/10
 FINLEY, Robert- 1959: 12/12
 FINLEY, Eleanor Dakin (Mrs. Robert)- 1959: 12/12
 FINNEY, John- 1958: 9/12; 1961: 1/13
 FIRAT, Fehim- 1958: 9/22
 FISCHER, W. J.- 1959: 5/7
 FISCHER, George- 1961: 1/5, 1/9, 1/27
 FISHER, Grant- 1959: 2/7
 FISHER, John- 1960: 4/7
 FISHER, John C.- 1960: 8/15
 FISHER, Phyllis- 1959: 5/11, 5/19, 5/25
 FISK, James B.- 1959: 1/29, 2/25, 9/15, 10/20, 11/24; 1960: 1/18, 12/20
 FISHER, Hugo- 1959: 10/31
 FIT, Franklin- 1959: 4/22
 FITZ, John M.- 1959: 10/28; 1960: 10/20
 FITZPATRICK, Denny- 1959: 1/17, 3/7, 3/13, 3/14, 3/25
 FITZPATRICK, Louis- 1959: 3/7
 FITZPATRICK, Margaret- 1959: 3/7
 FLAMM, Eileen J.- 1958: 9/25, 10/2, 11/13; 1959: 8/6, 9/27
 FLANAGAN, Lance- 1959: 3/14, 7/29
 FLANDERS, Harley- 1958: 11/20, 11/24, 12/3; 1959: 8/20, 11/3; 1960: 1/13,
 2/11, 2/25, 3/2, 6/2
 FLEMING, Donald- 1960: 12/23
 FLEMING, Willard D.- 1959: 3/16, 6/4, 6/18, 6/19, 11/19, 11/20; 1960:
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 FLEMING, Willie- 1959: 1/1
 FLEMMING, Arthur S.- 1959: 3/9, 5/7, 5/12; 1960: 8/2, 9/1, 9/28, 10/9, 10/12
 FLEROV, Georgiy N.- 1958: 7/1, 9/7, 9/8, 9/9, 9/10, 9/11, 10/8, 11/5,
 11/8, 11/18; 1959: 3/16, 4/4, 4/7, 7/30, 8/31, 9/27, 9/29
 FLESCHNER, Charles A.- 1959: 10/1
 FLINT, Philip S.- 1960: 6/29
 FLITCHER, C. Scott- 1959: 10/21
 FLOBERG, John- 1958: 10/2, 11/3, 11/6; 1959: 12/2
 FLORIN- 1960: 10/19
 FLOYD, Robert E.- 1959: 9/17
 FLYNN, William- 1959: 6/24
 FOLEY, Donald L.- 1958: 12/22; 1959: 3/27, 4/9, 6/9, 6/22
 FOLLIS, Ralph Gwin- 1960: 9/2
 FONG, J.- 1959: 5/4
 FOOTE, Hugh (Sir)- 1959: 2/11
 FORBES, William- 1959: 6/18, 6/19, 9/17, 9/18, 10/23, 11/19, 11/20,
 12/10, 12/11; 1960: 1/21, 1/22, 2/18, 6/17, 9/21, 9/22, 12/16
 FORD, Clellan S.- 1959: 10/30
 FORD, Henry- 1960: 11/2
 FORD, Tennessee Ernie- 1958: 12/29
 FOREMAN, Bruce- 1958: 9/8; 1960: 5/13, 5/25
 FERRY, Kenneth- 1959: 1/15, 5/21
 FORSLING, Wilhelm- 1958: 9/30
 FORTESCUE, Peter- 1958: 10/3; 1959: 7/16
 FOSTER, Adriance S.- 1958: 12/9; 1959: 3/26, 5/4, 11/12
 FOSTER, Bobbe- 1960: 5/22
 FOSTER, Bud- 1960: 2/25, 7/6

FOSTER, George M., Jr.- 1958: 10/14, 10/29; 1959: 3/26, 4/1, 4/14, 5/20,
 7/29, 11/4, 11/9, 11/11; 1960: 1/14, 3/5, 3/24, 4/6, 5/14, 5/26, 5/27,
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 FOSTER, John- 1958: 9/13; 1959: 4/22; 1960: 6/27
 FOSTER, John- 1959: 5/26
 FOSTER, John F.- 1958: 9/22
 FOWLE, Jack- 1959: 6/3
 FOWLER, Jo Anne- 1958: 10/13
 FOWLER, Joe- 1959: 2/4, 2/18
 FOWLER, William A.- 1960: 5/13
 FOY, Fred- 1960: 3/18
 FOX, Charles- 1960: 12/2
 FOX, Sidney W.- 1960: 9/28
 FRAENKEL-CONRAT, Heinz- 1959: 10/27
 FRAENKEL, Ernst- 1959: 4/23
 FRAENKEL, Peter- 1958: 9/22
 FRANICH, Marty- 1959: 8/7
 FRANK- 1959: 9/18
 FRANK, Henry- 1959: 5/28
 FRANKCOS, Helen- 1960: 3/10
 FRANKEL, Charles- 1960: 12/1
 FRANKEL, Richard S.- 1960: 3/3
 FRANKFURTER, Felix- 1960: 12/1, 12/13
 FRANKLIN, Carl- 1958: 8/23; 1959: 1/16
 FRASER, Tom- 1959: 5/21
 FRAUTSCHY, Jeff- 1958: 12/15
 FREDERICK, Walter- 1959: 2/26
 FREDERICKS (Harold C.) Family- 1958: 11/15; 1959: 10/1
 FREDERIKA (Queen of Greece)- 1958: 11/5, 11/6, 11/25; 1959: 3/9; 1960:
 1/12, 8/8
 FREEBORN, Stanley B.- 1958: 8/13, 11/11, 11/20; 1959: 2/18, 2/19, 2/20,
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 FREEMAN, W.H.- 1959: 12/4; 1960: 1/9, 9/14, 11/7
 FREEMAN, Walter- 1959: 9/28
 FREERS, Edward L.- 1959: 8/31, 9/21, 10/12
 FREGOSO, Rudy- 1960: 1/28
 FREGULIA, Arlene L.- 1959: 9/27
 FREIWALD, Bernard- 1959: 6/11, 6/26, 10/28
 FREMONT-SMITH, Frank- 1958: 10/5
 FRENCH, Clement- 1958: 11/24, 11/25, 12/11; 1959: 1/8, 1/12, 4/30; 1961:
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 FRENCH, Gilbert- 1959: 4/7; 1960: 10/3
 FRENCKNER, Paulson- 1961: 1/11
 FRESHWATER, John- 1959: 3/1
 FRETTER, William B.- 1958: 8/27, 9/16, 9/23, 9/24, 9/30, 10/1, 10/11, 10/14,
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FRETTER, William B. (continued)- 1959: 11/16, 11/24, 11/25, 11/30, 12/3, 12/7,
 12/8, 12/9, 12/16, 12/17, 12/18, 12/19, 12/21, 12/22, 12/23; 1960: 1/4,
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 FRIED, Sherman- 1958: 8/18, 11/6, 11/13; 1959: 10/6; 1960: 1/4
 FRIED, Mrs. Sherman- 1959: 10/6
 FRIEDLANDER, Gerhart- 1958: 7/29, 8/7, 8/21, 9/25, 10/21; 1960: 5/5
 FRIEDLANDER, Paul- 1960: 9/23
 FRIEDLANDER, Walter- 1959: 4/23, 6/4, 6/11
 FRIEDMAN, Abe- 1958: 11/3, 11/12, 11/19; 1959: 3/2, 6/10, 6/11; 1961: 1/18
 FRIEDMAN, Arnold S.- 1958: 10/8; 1959: 3/2, 8/7, 8/31
 FRIEDMAN, Bernard- 1959: 4/30, 5/28, 9/1, 10/27; 1960: 2/4, 2/25, 3/3, 3/7,
 4/12, 4/13, 5/2, 5/25, 9/28, 10/28
 FRIEDMAN, Julian- 1959: 10/17
 FRIEDMAN, Mel- 1958: 10/9
 FRIENDLICK, Dick- 1959: 8/18
 FRISCH, O. R.- 1959: 2/1
 FRISEN, Carl- 1960: 6/15
 FRISHMAN, Dan- 1958: 9/25
 FROELICH, Cliff- 1960: 6/8
 FROMAN, Darol- 1960: 5/13
 FROMM, Betty- 1960: 3/30, 9/28
 FROST, Henry- 1959: 6/2, 8/7
 FROST, Robert- 1961: 1/20
 FRY, Hilary- 1958: 8/6, 8/8; 1959: 3/17
 FRY, Randy- 1960: 5/1
 FRY, William J. - 1959: 4/27
 FRYE, Vera- 1959: 4/22
 FUCHS, Guillermo L.- 1960: 4/14
 FUCHS, Klaus- 1959: 6/24
 FUERST, John- 1960: 2/4
 FUERSTENAU, Douglas- 1959: 2/26, 3/10
 FUGER, Jean- 1959: 1/31, 5/20
 FULLER, Betty- 1961: 1/30
 FULLER, E. C.- 1959: 9/27
 FULLER, Lon L.- 1960: 8/23, 8/29
 FULLER, Varden- 1958: 8/19, 9/30; 1959: 3/8, 3/18, 4/10, 5/4, 5/6, 5/21, 11/24
 FULRATH, Richard M.- 1958: 8/22
 FUNKE, Gösta Werner- 1959: 2/12
 FURMAN, Deane P.- 1959: 6/9
 FURTADO, Loren- 1960: 1/29, 2/2, 9/22, 12/8
 FUTRELL, Jean- 1959: 5/1

GABELMAN, George- 1958: 7/17
 GAFFNEY, Rose- 1959: 12/9; 1960: 4/4, 4/14, 4/15, 5/5, 5/23, 6/14, 6/29, 8/19,
 9/24, 10/13, 12/5
 GAGE, Henry Tiffit- 1960: 2/24
 GAGNON, Alfred J.- 1960: 2/25, 4/11
 GAINES, Gene- 1959: 10/17/59
 GAITHER, Rowan Jr.- 1958: 11/3, 11/6; 1959: 1/28, 3/27, 4/14, 8/20, 10/24,
 10/26, 1960: 3/18, 3/21, 4/21

GALBRAITH, Kenneth- 1960: 9/21
 GALE, Marion C. "Windy"- 1959: 7/10; 1960: 3/18
 GALEMAN, Deborah- 1959: 5/22
 GALENSON, Walter- 1959: 1/19, 10/17; 1960: 1/7, 2/3, 5/23, 10/3; 1961: 1/3
 GALLAGER, G.- 1959: 4/21
 GALLAGHER, Bue11 G.- 1961: 1/11
 GALLAGHER, Charles J.- 1958: 9/24, 9/25, 10/2; 1959: 1/1; 1960: 6/15
 GALLAGHER, Jack- 1960: 1/13
 GALLAGHER, M. Fran- 1959: 9/27
 GALLERY, Tom- 1958: 11/25
 GALLIS- 1959: 3/9
 GALVINOVICh, Rose- 1959: 11/12; 1960: 8/19; 1961: 1/30
 GAMMEL, John- 1959: 6/19
 GANDY, Joseph E.- 1960: 8/15
 GARDEN, Nelson- 1959: 2/9, 2/13, 2/16, 3/2, 4/7, 4/8, 6/26, 9/27; 1960: 4/20,
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 GARDNER, David P.- 1960: 2/8, 10/20, 10/31, 12/21
 GARDNER, Eugene- 1959: 12/8
 GARDNER, Frank N.- 1959: 10/27
 GARDNER, Howard S.- 1959: 5/12
 GARDNER, John- 1958: 9/23, 11/20; 1959: 1/28; 1960: 1/22, 7/18, 9/14
 GARDNER, Treve- 1960: 5/23, 5/24
 GARFINKEL, Robert- 1959: 2/17
 GARLAND, Clyne F.- 1958: 9/16, 10/1, 10/29, 11/26, 12/17; 1959: 1/3, 1/14,
 1/16, 2/4, 2/11, 2/25, 3/23, 3/24, 3/25, 3/31, 4/6, 5/27, 6/26, 8/3, 8/18,
 8/21, 9/4, 9/23, 9/29, 10/1, 10/14; 1960: 2/4, 3/4, 5/11
 GARNER, Clifford S.-1958: 9/26, 12/9
 GARRETT- 1959: 11/9, 11/10
 GARRETT, Alfred B.- 1959: 5/4, 10/18
 GARRETT, Roberta B.- 1959: 9/27
 GARRISON, Warren- 1958: 7/1
 GARRISON, Warren Jr.- 1959: 5/28
 GARROWAY, Dave- 1960: 11/22
 GARWIN, Richard L.- 1959: 4/27, 8/6
 GATES, Thomas- 1960: 1/30
 GATTI, Raymond C.- 1958: 9/25, 10/2; 1959: 9/27
 GAUMANN, Tino- 1958: 9/8
 GAVRISHEFF, Ellen- 1959: 9/16
 GAWDY, Katherine- 1958: 8/25
 GAYTON, Anna H.- 1959: 8/7, 11/6, 11/12
 GEFNER, Saul- 1960: 4/2
 GEIKEN, Gerald- 1959: 5/28
 GEISSMAN, Theodore- 1960: 4/2
 GELL-MANN, Murray- 1958: 10/2; 1959: 1/22, 1/29, 4/27
 GEREN, Carol- 1959: 3/28, 4/14
 GERHOLM, Tor- 1958: 7/10, 7/17, 9/1
 GERSHINOWITZ, Harold- 1959: 2/13, 3/9
 GETTING, Harold- 1959: 8/20
 GETTING, Ivan G.-1959: 8/31
 GHIORSO, Albert- (Wilma)- 1958: 7/10, 7/11, 8/18, 8/20, 8/22, 8/27, 8/29, 9/3,
 9/9, 9/25, 10/2, 10/8, 10/21, 11/3, 11/8, 11/12, 11/18, 12/3, 12/12; 1959:
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 9/27, 10/14; 1960: 2/24, 4/30, 5/5, 9/29, 12/22
 GHIORSO, Kristine- 1960: 10/10
 GIANNINI, A. P.- 1959: 1/22, 2/12

GIAUQUE, William F.- 1958: 7/15, 10/15; 1959: 4/17; 1960: 2/25, 3/31, 4/1,
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 GIAVANAZZI, Joe- 1959: 9/28
 GIBB, Robert S.- 1958: 8/9
 GIBBS, Eugene- 1960: 10/26
 GIBSON, Ann- 1959: 4/14
 GIBSON, George Ernest- 1959: 3/18; 1960: 5/31
 GIBSON, John- 1960: 5/31
 GIBSON, Luther- 1959: 10/31; 1960: 2/25
 GIBSON, Walter- 1958: 8/22, 12/3; 1959: 4/21, 9/10; 1960: 9/13
 GIBSON, Weldon B.- 1961: 1/26
 GIEBER, Walter- 1960: 12/22
 GIEDT, Warren- 1959: 3/27
 GIFFORD, Edward Winslow- 1959: 5/4, 5/15
 GILBERT, Charles- 1959: 3/31; 1960: 4/7, 12/14
 GILBERT, Harold- 1959: 12/23
 GILBERT, Luther C.- 1959: 3/8
 GILLIAM, Clinton C.- 1958: 9/21, 10/29, 11/24, 11/26, 12/3, 12/16, 12/17,
 12/23; 1959: 2/4, 2/10, 2/14, 2/17, 2/21, 2/26, 2/29, 3/9, 3/25, 3/30,
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 GILLIS, J.- 1958: 12/22
 GILLIS, Tandy- 1960: 3/18
 GILMORE- 1958: 10/2
 GINGER, Ray- 1959: 2/27, 6/14
 GINKEL, William L.- 1959: 3/2
 GINN, Ralph A.- 1959: 10/27
 GINSBURG, Norman- 1960: 11/4
 GLADDING, Hope M.- 1959: 3/3
 GLASER, Donald A.- 1959: 1/22, 2/16, 4/27, 9/21; 1960: 1/14, 8/31, 11/3,
 11/16, 11/23; 1961: 1/9, 1/10, 1/27
 GLASS, Bentley- 1959: 3/9
 GLASS, Marie H.- 1960: 6/11
 GLASS, Richard- 1959: 4/1; 1960: 5/13, 8/24
 GLASSGOLD, Alfred E.- 1959: 7/10
 GLENDENNING, Norman K.- 1958: 7/1; 1959: 8/29, 9/27
 GLENNAN, T. Keith- 1958: 10/6, 11/28, 12/18; 1959: 1/21, 2/3, 4/22, 6/17,
 10/20; 1960: 8/2, 11/15
 GLOCK, Charles- 1958: 10/27; 1959: 4/13, 5/5, 6/9; 1960: 1/29, 10/3, 10/12
 GLOVER, -1958: 8/20
 GLUEKAUF, E.- 1958: 9/8; 1959: 9/23
 GOFF, Arthur- 1959: 6/4
 GOFF, Everett- 1960: 10/21
 GOFFMAN, Irving- 1960: 9/22
 GOFMAN, John W.- 1958: 7/29, 11/5, 11/25; 1959: 5/20, 8/12, 8/18, 9/8, 9/28,
 11/9; 1960: 2/3, 3/23, 8/5, 8/23, 9/6, 12/8
 GOGGIO, Alfred- 1959: 8/9
 GOHEEN, Gene- 1960: 12/2
 GOLD, Randy- 1960: 11/19
 GOLDANSKII, Vitalii- 1958: 8/21, 11/5, 11/18, 12/8; 1959: 4/7
 GOLDBERGER, Marvin L.- 1959: 4/27, 11/29
 GOLDEN, David- 1960: 4/1
 GOLDHABER, Gerson- 1960: 8/16
 GOLDHABER, Maurice- 1959: 4/27
 GOLDMAN, Deborah- 1959: 5/22

GOLDMAN, Jack- 1960: 1/12
 GOLDMAN, Leon- 1959: 6/4
 GOLDSBY, Robert W.- 1959: 4/4, 6/10
 GONZALEZ-VIDAL, Jose- 1958: 9/30; 1959: 9/27
 GOODBREAD, Paul- 1960: 6/8
 GOODIN, Mrs. William- 1958: 8/15
 GOODMAN, Brenda- 1960: 1/14
 GOODMAN, Michael- 1958: 10/1; 1959: 9/3; 1960: 4/7, 11/18
 GORDON- 1959: 10/20
 GORDON, Arthur E.- 1959: 3/31
 GORDON, Douglas- 1958: 10/27; 1959: 1/12, 2/12, 4/22, 5/21, 6/8, 7/20
 GORDON, Garford- 1958: 10/21
 GORDON, Glen E.- 1958: 7/8, 8/25, 10/2, 10/30, 11/6, 11/13, 12/4; 1959: 1/19,
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 10/28; 1960: 1/25, 9/26, 10/13, 10/31
 GORDON, Hayden- 1958: 12/3, 12/9; 1959: 2/3, 2/4, 5/20
 GORDON, Margaret S.- 1959: 4/22, 5/4, 5/8, 6/9, 7/27
 GORDON, Robert Aaron- 1958: 11/17, 12/23; 1959: 1/13, 1/19, 2/3, 2/16,
 2/17, 2/18, 2/25, 3/30, 4/10, 5/7, 5/20, 5/21; 6/24, 7/29, 7/30, 9/1,
 11/23, 11/30, 12/16; 1960: 1/20, 1/23, 1/26, 1/27, 3/9, 4/4, 10/3; 1961:
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 GORE, Albert- 1961: 1/17, 1/18
 GORES, Harold B.- 1958: 10/10
 GOROG, Istvan- 1958: 12/25
 GOSE, J. Gordon- 1958: 8/9, 8/23, 11/5; 1959: 1/12, 11/5
 GOTAAS, Howard B.- 1959: 1/13, 1/14, 3/14, 11/25
 GOUDSMIT, Samuel A.- 1959: 4/27
 GOULD-1960: 2/18
 GOULD, Glenn- 1959: 6/19
 GOULD, Lawrence- 1960: 1/18
 GOULD, Samuel- 1959: 3/16, 9/8, 9/17, 9/18, 10/16, 10/23, 11/19, 11/20, 12/10,
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 GOULD, Stuart- 1959: 3/7, 4/22
 GRAHAM, John S.- 1958: 10/2; 1960: 6/27, 12/8; 1961: 1/18, 1/31
 GRAHAM, Otto- 1960: 1/12
 GRAHAME, David C.- 1958: 12/15; 1959: 12/12; 1960: 9/13
 GRAHAME, Virginia- 1959: 12/12; 1960: 9/13
 GRAND, Gordon- 1959: 9/10
 GRANT, Phil S.- 1959: 6/4
 GRATON, Louis C.- 1959: 10/2
 GRAU, C. R.- 1959: 10/1
 GRAVES, (Mrs.)- 1960: 9/6
 GRAVES, Alvin- 1959: 8/17
 GRAY, Asa- 1959: 6/1
 GRAY, Dwight E.- 1958: 11/25
 GRAY, Gerry- 1959: 10/10
 GRAY, John A.- 1960: 11/16, 11/23, 11/30
 GRAY, Peter R.- 1960: 10/10, 10/25
 GRAZIER, Ross- 1959: 9/27
 GREEN, Elizabeth- 1958: 10/11
 GREEN, Howard- 1958: 12/4
 GREEN John- 1960: 8/2
 GREEN, Peter M.- 1960: 6/6
 GREENFIELD, - 1961: 1/27
 GREENLEE, Roy- 1958: 8/12

GREENSON, Dan- 1960: 3/2, 5/4, 5/5
 GREENSTADT, Melvin- 1960: 3/3, 4/2
 GREENWOOD, Dan- 1960: 2/25
 GREGG, Roger L.- 1958: 8/29, 11/24; 1959: 1/12, 4/22, 5/21
 GREGORY, Joseph T.- 1959: 3/31; 1960: 11/23
 GRENDON, Alexander- 1959: 9/28, 10/5
 GREYER, Carrie- 1959: 4/22, 9/28; 1960: 3/1
 GREYER, Ewald T.- 1958: 9/27, 10/1, 11/5, 11/17, 11/26, 12/17, 12/22; 1959:
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 GREWE, Wilhelm- 1959: 1/20, 3/19, 4/23
 GREWE, Mrs. Wilhelm- 4/23
 GRIDSWORTHY, B.- 1959: 9/27
 GRIEG, Robert W.- 1959: 8/7, 12/7; 1960: 1/24, 2/5, 2/8, 2/11, 2/25, 6/29
 GRIEVE, Curley-1959: 8/19, 8/20
 GRIFFIN, Philip F.- 1958: 12/16; 1959: 2/17, 2/26, 3/31
 GRIFFITH, Billy- 1960: 3/29
 GRIFFITHS, Farnham P.- 1960: 5/12
 GRIFFITHS, Marjorie Farnham- 1960: 5/12
 GRIFFITHS, John- 1958: 12/17
 GRILLER, Sidney- 1958: 12/16; 1960: 11/3; 1961: 1/10
 GRINSFELD, - 1960: 2/23
 GRISWALD, Alfred Whitney- 1959: 6/23, 9/8
 GROBELCH, Frank S.- 1959: 9/27
 GROFF, Ellis J.- 1958: 11/22, 11/25, 12/16; 1959: 1/22, 3/3, 4/24, 5/5, 8/11,
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 GRONSKY, Donald L.- 1959: 10/31; 1960: 2/9, 2/19, 4/29
 GROOM, Alison- 1958: 9/22
 GROSS, Reuben- 1960: 8/18
 GROSSE, Aristid V.- 1959: 1/29; 1960: 10/11
 GROSSMAN, Gregory- 1959: 10/30; 1960: 3/8, 8/3; 1961: 1/12
 GROSSMAN, Lawrence M.- 1958: 9/13, 9/16; 1959: 3/3, 3/9, 4/4, 5/12, 6/24, 6/26,
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 GROSZ, Dave- 1960: 10/22
 GROTEGUT, Eugene K.- 1959: 3/31
 GROUT, Jack- 1959: 3/7, 3/21, 3/25
 GROUT, Wes and Ruth- 1959: 3/7
 GROVER, James R.- 1959: 3/18
 GROVES, Leslie R. (Lt. General)- 1959: 3/24, 12/3
 GROVES, Linda- 1959: 6/26; 1960: 8/30
 GRUBER, John B.- 1959: 9/27; 1960: 4/27
 GRUNDMANN, Alan- 1960: 10/10
 GULICK, Charles A.- 1959: 4/23, 6/10
 GUMPERZ, Jack- 1959: 8/8
 GUNNINK, Raymond- 1959: 1/27, 8/28; 1960: 9/12
 GURGICH, Henriette- 1958: 7/15
 GURNEY, Samuel C. Jr.- 1958: 11/5; 1959: 5/4; 1960: 2/1, 4/27
 GUSTAVSON, Reuben- 1959: 10/23
 GUTH, Eugene- 1959: 10/8, 12/3
 GUTOWSKY, Herb- 1959: 4/27
 GUTTRIDGE, George H.- 1959: 9/1
 GUYLEV, (Mr. & Mrs.)- 1959: 10/27
 GWINN, William D.- 1959: 4/7, 6/24, 12/23; 1960: 2/24, 3/9, 5/11, 9/1, 9/30

HAAG, James N.- 1958: 7/3; 1959: 9/27
 HAAGEN-SMIT, Arie Jan- 1960: 5/23, 5/24
 HAAS, David- 1959: 11/10
 HAAS, Elise- 1959: 10/13
 HAAS, Ernst- 1959: 2/10, 4/23
 HAAS, Mary R.- 1958: 8/26, 9/24; 1959: 3/14, 3/26, 5/6, 5/22, 6/11; 1960: 12/2
 HAAS, Robert K.- 1959: 7/30
 HAAS, Walter A.- 1958: 9/29, 11/5; 1959: 2/21, 3/18, 3/20, 3/21, 5/27, 6/3,
 11/30; 1960: 2/3, 2/11
 HAAS, Walter A., Jr.- 1958: 10/17; 1959: 4/22, 5/7, 5/8, 7/30, 10/30; 1960:
 1/6, 2/5, 6/29, 10/4
 HABER, Heinz-1960: 11/28, 12/22; 1961: 1/8, 1/9
 HABERMAN Family -1959: 1/1
 HACKETT, David P.- 1960: 10/10
 HADDOW, Jim- 1961: 1/18
 HADLEY, Paul E.-1959: 11/11
 HAEFELE, Walter R.- 1959: 11/2
 HAENISCH, Edward L.-1960: 4/2
 HAGAR, Gerald H.- 1958: 9/15, 11/3, 11/6; 1959: 1/21, 1/22, 2/19, 2/20, 3/13,
 3/14, 4/16, 4/17, 5/14, 5/15, 6/18, 6/19, 8/6, 10/11, 10/23, 11/19, 11/20,
 12/9, 12/10, 12/11; 1960: 1/22, 2/18, 5/18, 6/17, 8/12, 9/22, 12/16; 1961:
 1/5
 HAGGERTY, Cornelius J.- 1958: 11/20; 1959: 2/20, 3/13, 4/17, 11/20; 1960: 1/22,
 2/18, 6/17, 10/25
 HAGGERTY, Nancy- 1959: 12/7
 HAGSTROM, - 1960: 2/11
 HAHN, Frank- 1960: 1/29
 HAHN, Otto- 1959: 2/1, 2/2, 6/22, 11/21
 HAINES, Connie- 1958: 12/29, 12/30
 HAINES, Eldon L.- 1958: 10/29, 10/30, 11/6; 1959: 2/4, 2/11, 3/21, 8/6, 9/27,
 12/19; 1960: 1/25
 HAIRE, Mason- 1959: 6/1
 HAIRE, Vivian- 1960: 11/15
 HALABY, Najeeb- 1961: 1/20
 HALDANE, Bruce- 1959: 3/16
 HALE, Prentis C.-1959: 5/7
 HALEY, Marlin- 1960: 3/26
 HALL, Dick- 1959: 12/14
 HALL, George- 1960: 12/5, 12/6
 HALL, Irving "Erb"- 1960: 9/30
 HALL, Jane H.- 1959: 9/27, 11/6, 12/4
 HALL, Roy M.- 1958: 11/25, 12/5, 12/12, 12/16; 1959: 3/3, 4/28, 4/29, 9/16,
 10/21, 11/16, 12/8, 12/18, 12/19; 1960: 1/16
 HALL, Thomas Steele- 1959: 4/28, 9/16
 HALLAM, Sarah M.- 1959: 4/22, 6/10
 HALLECK, Charles- 1960: 1/30, 2/24
 HALLER, Ivan- 1958: 12/25
 HALLIDAY, David- 1959: 5/25, 5/28
 HALLINAN, Patrick S.- 1958: 11/4, 12/8, 12/11, 12/17
 HALPERIN, Joseph- 1958: 10/7; 1959: 8/3
 HALPRIN, Lawrence- 1959: 2/4, 1960: 1/7
 HAMBURGER, (Miss)- 1960: 3/26
 HAMILTON, -1959: 7/17

HAMILTON, Andrew J.- 1959: 2/19, 2/20, 4/16, 4/24, 5/14, 5/15, 6/18, 6/19,
 9/17, 11/17, 11/19, 11/20; 1960: 2/18
 HAMILTON, Bob- 1959: 8/7
 HAMILTON, Brutus- 1959: 3/25, 6/13; 1960: 4/8, 4/21, 5/6, 10/28
 HAMILTON, Thomas J.- 1959: 5/25, 5/28, 6/2, 6/3, 6/4, 6/5, 6/24, 6/25, 9/1,
 9/8, 11/5, 12/7; 1960: 2/10
 HAMMARSKJOLD, Dag- 1958: 9/1, 12/15; 1959: 1/19, 1/29, 2/5, 12/17; 1960: 1/14,
 2/8, 2/25, 3/1
 HAMMERBECK, Bernard A.- 1958: 8/4, 8/9, 10/24; 1959: 5/8
 HAMMON, Paul- 1959: 10/27
 HAMPTON, Colin- 1961: 1/10
 HAMPTON, John William- 1958: 12/16
 HAMRE, Hakon- 1959: 2/3, 3/31, 5/22; 1961: 1/11
 HAN - 1959: 2/3
 HANAYAMA, Shinsho- 1959: 9/19
 HANCHER, Virgil- 1959: 9/3, 11/23; 1960: 1/22
 HAND, Cadet H., Jr.- 1959: 8/3; 1960: 4/20
 HAND, Learned- 1959: 5/12
 HANKSTER, Lois- 1958: 12/15
 HANNA, Paul- 1960: 1/22
 HANNA, Steve- 1959: 2/26
 HANSEN, Elizabeth O.- 1959: 2/20, 3/12, 4/16, 5/14, 5/15, 6/18, 6/19, 9/17,
 11/20, 12/10, 12/11; 1960: 1/21, 2/18, 9/22
 HANSEN, Hans N.- 1959: 3/3
 HANSEN, Victor R.- 1958: 11/20; 1959: 1/22, 2/20, 2/19, 3/12, 3/13, 4/16, 4/17,
 6/18, 6/19, 8/24, 9/17, 10/23; 1960: 2/11, 2/18, 6/17, 8/12, 9/21, 9/22,
 9/27, 9/30, 10/3
 HANSON, Beverly- 1959: 12/31
 HANSON, Donald N.- 1959: 5/20, 9/27
 HARADA, Sugeo- 1959: 5/8
 HARBACH, Edwin- 1959: 4/24, 8/7
 HARDIN, C. M.- 1959: 7/29
 HARDISON, Donald- 1959: 12/3; 1960: 1/7, 4/7
 HARDGROVE, George L.- 1958: 11/13
 HARMFORD, W. B.- 1959: 9/30
 HARKNESS, James- 1960: 6/5
 HARKNESS, Robert L.- 1960: 2/3
 HARLOW, Harry F.- 1958: 10/5
 HARMON, Albion K.- 1958: 11/10
 HARNWELL, Gaylord- 1959: 2/12
 HARPER, Lawrence A.- 1959: 6/22
 HARPER, Robert A.- 1960: 5/10
 HARRELL, George Thomas Jr.- 1959: 8/8
 HARRIS, Chester- 1960: 4/7
 HARRIS, Fred O.- 1959: 1/13, 1/20, 2/2, 3/26, 4/26, 5/20, 10/11
 HARRIS, Joseph P.- 1958: 12/22; 1959: 3/13, 3/18
 HARRIS, Leo- 1958: 8/9, 12/8; 1959: 1/12
 HARRIS, Morgan- 1959: 3/26, 8/3, 11/12, 12/10; 1960: 5/4, 6/1, 6/10
 HARRIS, Paul- 1959: 2/5
 HARRIS, Robert- 1960: 2/3
 HARRIS, Robert E.- 1959: 4/22
 HARRIS, Seymour- 1958: 11/3; 1959: 5/14
 HARRISON, John- 1959: 3/7, 4/22
 HART, C. Walker- 1959: 11/16
 HART, Carol- 1959: 7/2
 HART, Jack- 1958: 11/22; 1959: 1/1, 1/6, 5/21

HART, James D. (Ruth)- 1958: 7/29, 8/7, 8/8, 8/9, 8/12, 8/13, 8/14, 8/15, 8/19, 8/26, 8/27, 8/29, 9/13, 9/16, 9/22, 9/23, 9/28, 9/30, 10/1, 10/8, 10/10, 10/15, 10/17, 10/20, 10/21, 10/22, 10/28, 10/29, 11/4, 11/5, 11/10, 11/12, 11/18, 11/22, 11/24, 11/25, 11/26, 12/2, 12/10, 12/15, 12/17, 12/22; 1959: 1/6, 1/7, 1/9, 1/13, 1/20, 1/21, 1/31, 2/3, 2/4, 2/7, 2/9, 2/11, 2/17, 2/18, 2/19, 2/20, 2/21, 2/24, 2/25, 2/26, 3/3, 3/8, 3/10, 3/12, 3/13, 3/14, 3/17, 3/19, 3/21, 3/23, 3/24, 3/25, 3/27, 3/31, 4/7, 4/8, 4/9, 4/15, 4/22, 4/23, 4/24, 5/5, 5/6, 5/8, 5/11, 5/12, 5/13, 5/20, 5/21, 5/25, 5/26, 5/27, 6/2, 6/4, 6/9, 6/10, 6/17, 6/18, 6/21, 6/23, 7/2, 7/29, 7/30, 8/3, 8/5, 8/11, 8/12, 8/18, 8/31, 9/1, 9/2, 9/3, 9/10, 9/20, 9/22, 9/23, 9/29, 9/30, 10/3, 10/5, 10/6, 10/11, 10/12, 10/13, 10/14, 10/15, 10/27, 10/28, 10/29, 10/30, 11/3, 11/4, 11/11, 11/18, 11/23, 11/24, 11/25, 12/3, 12/7, 12/9, 12/16, 12/17, 12/22, 12/23; 1960: 1/6, 1/7, 1/8, 1/12, 1/14, 1/20, 1/26, 2/2, 2/3, 2/4, 2/10, 2/16, 2/23, 2/24, 2/25, 2/28, 3/3, 3/7, 3/8, 3/9, 3/22, 3/23, 3/25, 3/29, 3/30, 4/5, 4/6, 4/7, 4/27, 4/28, 4/30, 5/5, 5/6, 5/10, 5/19, 5/31, 6/1, 6/2, 6/14, 6/29, 8/3, 8/23, 9/27, 12/13; 1961: 1/6, 1/9, 1/12, 1/27

HART, Peter- 1959: 7/2; 1960: 3/28, 4/27

HART, Ruth (Mrs. James D.)- 1959: 7/2, 10/29

HART, Walter Morris- 1959: 3/2, 4/22, 4/24

HARTER, Frank S.- 1959: 10/15; 1960: 6/2

HARTMAN, Robert J.- 1959: 4/1

HARTSOOK, Richard F.- 1959: 8/11, 10/15, 11/24, 12/9, 12/10; 1960: 3/11, 3/22, 6/8, 6/29

HARVEY, Bernard G.- 1958: 8/28, 9/25, 10/2, 11/2, 12/4; 1959: 9/27; 1960: 12/5

HARVEY, I. J., "Ike" Jr.- 1959: 8/1, 8/26, 10/13, 10/15, 10/24; 1960: 2/19

HARVEY, Wilson- 1959: 10/15

HASKELL, Ann- 1959: 7/30

HASKELL, E. B.-1959: 10/1

HASKINS, Caryl- 1959: 1/26, 9/15, 11/6, 11/16; 1960: 4/23

HASSAN, M. Salah Eldin- 1960: 8/24

HASTINGS, A. Baird- 1960: 5/7

HASTINGS, Frances (Mrs. Russell P.)- 1959: 4/14; 1960: 4/29, 6/30

HASTINGS, Paul T. "Bud"-1958: 7/3, 7/7, 7/29, 8/8, 8/9, 8/25, 8/26, 9/12, 9/14, 9/16, 9/23, 10/3, 10/27, 11/5, 11/8, 11/24; 1959: 2/3, 2/12, 2/25, 2/26, 2/27, 3/9, 3/25, 3/27, 3/31, 4/22, 5/20, 5/21, 6/2, 6/8, 6/12, 6/13, 6/20, 7/2, 8/15, 8/18, 8/19, 8/20, 9/1, 12/7, 12/10, 12/22, 12/23; 1960: 1/11, 1/13, 1/24, 1/26, 1/29, 2/11, 3/9, 3/11, 5/23, 5/25, 9/27

HATCHER, Harlan A.- 1959: 2/12

HATFIELD, Henry- 1959: 3/31

HATFIELD, Mrs. John G.- 1959: 2/13, 4/14

HATFIELD, Mark- 1960: 1/30, 2/1, 2/25

HAUGE, Gabriel- 1960: 8/29

HAWK, Walter D.- 1959: 5/7, 6/10

HAWKENSHERE V, Frank B. U.- 1959: 3/11, 4/6

HAWKES, Herbert E.- 1958: 12/2; 1959: 3/10

HAWKINS, Leslie- 1960: 1/20, 5/13

HAWKS, N. L.- 1958: 9/23

HAWLEY, Willis D.-1959: 9/28, 12/16; 1960: 5/4, 5/25

HAWORTH, Leland J.- 1959: 5/18, 8/20, 8/31

HAWTHORNE, William- 1958: 9/2

HAYDEN, Carl- 1960: 12/1

HAYDEN, Thomas- 1960: 10/31, 11/16, 11/21, 12/13

HAYES Family- 1959: 2/11

HAYES, William- 1960: 2/19

HAYWARD, Mike- 1958: 9/10

HAZARD, Geoffrey C.- 1960: 10/10, 12/2
 HAZARD, Leland- 1959: 1/24, 3/5; 1960: 2/13, 10/8
 HAZLETT, Thomas H.- 1959: 5/20, 9/4
 HEALD, Henry- 1958: 9/6; 1960: 1/22
 HEANY- 1959: 4/7
 HEARN, Gordon- 1959: 2/27; 1959: 4/1, 4/9, 4/22
 HEARST, Catherine- 1958: 9/28, 10/17, 10/22; 1959: 1/22, 2/19, 2/20, 2/27,
 3/12, 3/13, 3/25, 3/31, 4/15, 4/16, 4/17, 9/17, 9/18, 9/29, 10/11, 10/23,
 10/31, 11/19, 11/20, 12/10, 12/11; 1960: 1/21, 2/18, 3/5, 6/17, 9/22, 9/29
 HEBB, Malcolm- 1959: 6/16
 HEBERT, Frederick H.- 1958: 11/19
 HECHINGER, Fred Michael- 1959: 4/11
 HEDSTROM-1958: 11/10
 HEGLAND, Sheridan N.- 1959: 10/23
 HEGSTED, Mark- 1960: 2/25
 HEIBLING, Margaret- 1960: 6/9
 HEIFETZ, Jascha- 1959: 11/2, 11/3, 11/4, 12/3
 HEILBRON, E. A.- 1959: 11/5
 HEILBRON, Louis H.- 1959: 3/12, 3/14
 HEIMANN, Edward- 1959: 1/22
 HEISENBERG, Werner- 1960: 8/8
 HEIZER, Robert F.- 1959: 3/13, 3/18, 4/30; 1960: 1/14, 6/14, 6/15, 6/29
 HEIZER, Mrs. Robert F.- 1959: 6/10
 HELENE, - 1960: 6/8
 HELLER, Clara Hellman- 1958: 9/29
 HELLER, Edward H.- 1958: 11/20, 12/11; 1959: 3/13, 3/19, 3/21, 3/24, 5/27,
 12/9; 1960: 1/8, 9/22; 1961: 1/12, 1/27
 HELLER, John- 1960: 9/14
 HELLER, Martin J.- 1959: 7/31, 8/6, 10/2
 HELLWEGE- 1959: 10/19
 HELMBRECHT, Noel- 1960: 6/9
 HELMHOLZ, August C. "Carl"- 1958: 7/14, 8/18, 8/20, 8/27, 9/30, 11/19; 1959:
 1/8, 1/29, 1/31, 2/25, 3/26, 4/16, 4/22, 4/23, 5/5, 5/7, 5/20, 5/21, 6/4,
 6/11, 6/22, 7/30, 8/11, 8/12, 9/22, 9/30, 10/13, 10/26, 10/29, 10/30,
 11/29, 11/30; 1960: 3/24, 3/30, 4/28, 5/25, 6/7, 6/13, 6/19, 6/29, 10/10,
 12/5, 12/6; 1961: 1/5, 1/10, 1/12, 1/25
 HELSON, Henry- 1959: 3/26
 HEMBOLD, William C.-1959: 6/22
 HENDERSON, Chris- 1958: 8/19
 HENKIN, Leon- 1959: 4/22, 6/22, 10/27
 HENNINGS, Thomas C. Jr.- 1959: 3/10, 4/1, 4/14
 HENRY, Bill- 1959: 1/13
 HENRY, David- 1959: 12/22; 1960: 6/15
 HENRY, David D.- 1959: 2/12; 1960: 12/21
 HENRY, Jack, Barbara & children- 1958: 7/21; 1960: 7/24
 HENRY, Lipman- 1959: 6/9, 7/31
 HENRY, Warren E.- 1960: 12/14
 HENSEL, Struve- 1960: 10/11
 HENYAY, Louis G.- 1958: 9/25, 10/6; 1959: 2/7, 2/21, 2/24, 3/11, 3/17, 3/18,
 3/23, 3/26, 4/24, 5/5, 5/20, 10/26; 1960: 2/10, 5/11; 1961: 1/5, 1/9
 HEPPE, Clarence & Frances- 1960: 7/24
 HEPPE, Jimmy- 1959: 1/1
 HERBER, Rolfe H.- 1958: 7/10
 HERNDON, Bob- 1959: 10/13
 HERR, Richard- 1959: 5/21
 HERRERIAS, Rene- 1959: 3/23, 5/20, 6/12; 1960: 2/24, 2/28, 3/2, 3/3, 3/4, 3/9

HERRICK, Samuel- 1958: 12/18, 12/19
 HERRON, Dave- 1958: 9/1
 HERTEL, Ray- 1959: 3/7, 4/22
 HERTER, Christian A.- 1960: 11/16
 HERZOG, Allan L.- 1960: 8/30
 HESBURGH, Theodore M.- 1958: 9/8; 1960: 9/21, 11/30
 HESS, George- 1959: 5/25
 HESS, Harry Hammond- 1960: 6/28
 HESS, Thomas B.- 1959: 1/22
 HETLAND, John R.- 1960: 12/2, 12/7
 HEVESY, George de- 1958: 12/15; 1959: 1/13, 1/17, 1/19, 1/28, 1/29, 3/17, 3/19
 HEWLETT, Richard C.- 1959: 6/1, 6/25; 1960: 8/4
 HEYMAN, Ira Michael- 1959: 2/16
 HICKENLOOPER, Bourke B.- 1961: 1/18
 HICKS, Dan- 1959: 8/28
 HICKS, H. G.- 1959: 8/29
 HICKS, John D.- 1958: 12/16
 HICKS, Tom- 1959: 2/9
 HIEB, Otto- 1959: 1/22; 1960: 6/19
 HILBERRY, Norman- 1958: 9/10
 HILDEBRAND, Joel H.- 1958: 9/15, 10/23; 1959: 1/6, 1/13, 2/13, 3/27, 6/22,
 10/20; 1960: 3/28
 HILL, Albert G.- 1960: 6/28
 HILL, Dave- 1959: 5/1
 HILL, Jesse T.- 1958: 7/7, 8/9, 8/23; 1959: 1/12, 2/19
 HILL, Joseph- 1959: 5/21
 HILLSMAN, Carlyle- 1959: 4/6
 HINDMAN, Clark- 1958: 10/9
 HINDS, Norman E. A.- 1959: 3/3
 HINTIKKA, - 1959: 3/16
 HOBSON, - 1961: 1/12
 HOBSON, Jack T.- 1960: 6/11
 HOCHANDEL, Clarence- 1958: 10/7; 1960: 10/6
 HOCHSCHILD, Gerhard P.- 1959: 4/30
 HOCHWALT, Ted- 1961: 1/3
 HOCKING, Elton- 1958: 10/10
 HODGES, Joseph L. Jr.- 1959: 11/11; 1960: 1/20, 1/23, 10/28
 HODGES, Ralph- 1959: 3/24
 HOFF, Richard W. - 1958: 8/27, 10/2, 11/6, 11/13; 1959: 3/2
 HOFFA, James R.- 1959: 5/28
 HOFFMAN, Darleane- 1959: 8/29
 HOFSTADTER, Richard- 1960: 1/14
 HOGNESS, Phoebe- 1959: 3/31; 1960: 8/19
 HOGNESS, Thorfin- 1960: 8/19
 HOKE, Mary G.- 1959: 5/5
 HOLBROOK, James- 1959: 8/17
 HOLBROOK, Mrs. Jessie - 1960: 6/19
 HOLCOMB, Glenn W.- 1958: 8/9
 HOLIFIELD, Chet- 1960: 12/1; 1961: 1/5, 1/6, 1/10, 1/11, 1/12, 1/17, 1/18
 HOLLAND, Kenneth- 1958: 12/9; 1960: 11/30, 12/2
 HOLLANDER, Jack M.- 1958: 7/3; 1959: 8/6, 9/27, 10/20, 10/27
 HOLLINGSHEAD, Evelyn- 1959: 2/26, 6/11, 6/26
 HOLLINGSWORTH, Guilford L.- 1960: 8/15
 HOLLINGSWORTH, Robert- 1960: 4/26, 6/8
 HOLLIS, Orlando- 1958: 7/28, 8/4, 8/9, 12/8; 1959: 3/11
 HOLLISTER, John- 1959: 10/31

HOLM, (Mrs.)- 1960: 1/14
 HOLM, Lennart- 1958: 9/3, 9/30; 1960: 11/21
 HOLMDAHL, John W.- 1959: 2/26, 3/13, 3/16, 4/6, 10/31; 1960: 2/19
 HOLMES, - 1959: 6/28, 7/12
 HOLMES, J.- 1959: 10/23
 HOLSTED, Paul G.- 1959: 3/2
 HOLSTRUM, John D.- 1958: 8/12, 8/20
 HOLT, Henry- 1959: 8/9
 HOLTON, Gerald- 1959: 4/22; 1961: 1/13
 HOLTON, Richard H.- 1959: 5/21, 11/30; 1960: 10/12
 HOLY, Thomas C.- 1958: 10/27, 11/10, 11/11; 1959: 5/15
 HONE, Michael- 1958: 11/17, 12/4, 12/22; 1959: 2/11, 2/12, 2/17, 2/25, 3/16,
 3/24, 4/6, 5/21
 HONETT, Mrs. Eugene- 1959: 9/16
 HONSIK, Marjorie- 1959: 5/21
 HONSINGER, Leroy V. (Rear Admiral)- 1959: 10/29
 HOOK, Sidney- 1960: 1/14, 2/2; 1961: 1/11
 HOOS, Sidney S.- 1959: 3/8; 1960: 1/20, 1/23, 2/3, 2/24, 3/9, 3/29, 4/11,
 8/31
 HOOVER, Herbert- 1958: 12/8, 12/11
 HOOVER, J. Edgar- 1960: 2/11, 2/19, 8/20, 11/7
 HOOVER, Kenneth- 1960: 1/8, 2/4
 HOPFIELD, Paul- 1960: 3/1
 HORN, Charles- 1960: 3/18
 HORN, Walter W.- 1959: 1/5, 2/18, 3/23, 3/24, 3/26, 4/1, 5/20, 6/13, 6/22,
 8/3, 11/21; 1960: 4/27
 HORNE, David- 1958: 8/25
 HORNER, Jeff- 1960: 5/25, 6/5
 HORNIG, Donald F.- 1959: 10/20; 1960: 4/18, 6/27, 11/15
 HORNING, Donald O.- 1959: 5/20
 HOSKINS, William M.- 1959: 5/4
 HOSMER, Craig- 1959: 2/28, 3/1, 3/3; 1961: 1/6, 1/10
 HOUGH, L. (Governor)- 1959: 4/21
 HOUSH, Don- 1959: 3/27
 HOUSTON, Bill- 1959: 5/1
 HOWARD, Don- 1959: 2/26
 HOWARD, John Galen- 1959: 1/5
 HOWARD, Patricia A.- 1959: 9/27
 HOWE, Everett D.- 1959: 3/9, 3/11, 3/25, 4/8, 4/22, 7/30, 8/21, 9/1, 9/4,
 9/21, 12/21; 1960: 9/28
 HOWE, Helen- 1960: 6/2
 HOWE, John P.- 1958: 12/24; 1959: 8/18
 HOWE, June- 1959: 7/29
 HOWE, Pat- 1959: 9/27; 1960: 7/28
 HOWELL, John- 1959: 3/19
 HOWSAM, Robert B.- 1959: 3/30
 HOWSER, Hilma- 1960: 7/14
 HOYER, B. J.- 1960: 4/20
 HOYT, Alice G.- 1959: 5/8
 HRONES, John- 1959: 4/27
 HUBBARD, Edward L.- 1959: 9/27
 HUDSON, - 1958: 8/1
 HUDSON, Charles B.- 1958: 9/30, 11/3, 11/23; 1959: 4/22; 1960: 6/5
 HUDSON, Leonard- 1960: 3/2
 HUDSON, Miles- 1958: 11/15

HUDSON, Robert B.- 1958: 7/3; 1959: 1/24, 2/11, 9/12; 1960: 2/13, 8/17, 10/8,
 12/13
 HUFF, Robert- 1959: 6/21
 HUFFAKER, Carl B.- 1958: 12/3; 1959: 1/16
 HUFFMAN, Eugene H.- 1958: 11/3; 1959: 9/27
 HUGGINS, David S. (Lt. Commander)- 1959: 5/8
 HUGHES, Everett- 1960: 4/7
 HUGHES, H. Stuart- 1961: 1/29
 HUGHES, James Don- 1959: 4/24, 4/30, 6/22
 HUGHEY, Bob- 1960: 6/8
 HUIZENGA, John R.- 1958: 9/11, 10/9
 HULL, Richard B.- 1959: 1/24; 1960: 2/13, 10/8
 HULTEN, Charles M.- 1958: 8/8, 9/24, 12/5, 12/16; 1959: 1/12, 1/16, 2/7, 3/18,
 3/29, 3/30, 3/31, 5/20, 5/26, 7/29, 8/9; 1960: 2/10, 2/29, 3/22, 4/8,
 9/15, 10/22, 11/3, 12/13, 12/22
 HUMELSINE, Carlisle H.- 1959: 3/13
 HUMPHREY, Hubert H.- 1959: 3/16, 3/30, 4/9, 4/11, 4/14, 4/30, 6/2; 1960: 1/26,
 1/30, 2/1, 2/11, 2/16, 3/3
 HUMPHREY, Richard A.- 1959: 5/4
 HUMPHREYS, H. E.- 1960: 12/21; 1961: 1/9
 HUNSAKER, Jerome- 1959: 4/30; 1960: 3/29
 HUNT, Frank- 1959: 6/24; 1960: 1/27
 HUNT, Halsey- 1958: 10/14
 HUNT, Harold- 1959: 12/14
 HUNT, Lamar - 1959: 9/24
 HUNTER, (Reverend)- 1958: 9/29
 HUNTINGTON, Emily H.- 1959: 3/18, 4/13, 5/20, 5/21
 HUNTINGTON, Samuel P.- 1961: 1/6
 HUNTLEY, Chet- 1958: 7/11
 HURLBURT, E. B. (Captain)-1959: 5/8
 HURLEY, C. Robert- 1960: 4/2
 HURWICZ, Leo- 1959: 5/21, 12/16
 HURWITZ, Henry- 1958: 10/3, 7/16
 HUSKEY, Harry Douglas- 1959: 5/20
 HUTCHINS, Robert Maynard- 1960: 4/7, 4/11
 HUTCHINSON, Fred-1958: 12/20; 1959: 2/27, 3/27
 HUTCHINSON, John E.- 1959: 6/1; 1960: 4/27
 HUTCHINSON, Paul C.- 1959: 4/24
 HUTCHISON, Claude B.- 1958: 12/16, 12/22; 1959: 2/5, 2/25, 3/11, 4/1, 10/12;
 1960: 2/19, 3/8, 3/10, 4/1, 4/5, 4/7, 5/4
 HUTCHISON, Clyde A. Jr.- 1958: 10/31, 12/22
 HUTCHISON, J. W. "Joe"- 1958: 7/29, 8/1, 8/8, 8/22; 1959: 3/13, 4/7, 4/9
 HUTCHISSON, Elmer- 1960: 4/23
 HUTSON, Arthur E.- 1959: 2/2, 2/4, 2/11, 2/25, 3/10, 3/25, 4/8, 4/22, 5/6,
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 HUTSON, Don- 1959: 3/22
 HUXLEY, Aldous- 1959: 2/21, 3/16, 12/17; 1961: 1/27
 HYATT, Mrs. Glen - 1960: 9/13
 HYDE, Earl K.- 1958: 7/3, 7/10, 8/8, 8/18, 9/7, 9/8, 9/9, 10/1, 10/2, 10/14,
 11/6, 11/13, 11/17, 12/4, 12/12; 1959: 1/17, 2/18, 3/2, 3/10, 4/1, 6/2,
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 HYDER, Monte Lee- 1958: 9/25, 10/30, 11/13; 1959: 9/27
 HYLAND, Dick- 1959: 5/29
 HYLAND, Lawrence A.- 1959: 8/31
 HYLAND, Pat- 1959: 8/20

HYMAN, Al- 1960: 12/2, 12/7, 12/13
HYMES, Del- 1960: 3/24, 5/26

IGO, George J.- 1959: 9/27
ILYINSKI, Nicholai- 1960: 6/6
IMBRIE, Andrew W.- 1959: 6/1, 10/27; 1960: 5/3
IMHOFF, Darrall- 1959: 1/17, 3/14, 3/21; 1960: 5/25, 9/29
INGHAM, T. A. "Ted"- 1960: 6/7
INGLIS, Dave- 1959: 5/1
INGOGLIA, (Miss)-1960: 3/16
INGOLD, - 1959: 8/10
INGOLD, Sir Christopher- 1959: 5/20
INGRAM, Fred R.- 1959: 3/14, 7/29
INK, Dwight- 1961: 1/19
INKELES, Alex- 1960: 2/4, 5/10
IRELAND, Glen- 1959: 6/1
IRELAND, Humphrey- 1960: 3/3
IRVINE, Robert- 1959: 2/26, 3/16, 3/26, 4/6, 4/9
IRVING, George W.- 1960: 8/2
IRWIN, (Mrs.)-1959: 10/21
ISHERWOOD, Christopher- 1960: 9/21
IUSI, Frank- 1960: 2/10
IVERSEN, Harold W.-1959: 5/20
IVES, Doug- 1959: 2/26
IVY, John- 1959: 9/17
IWAMA, Morimi- 1960: 10/10

JACKA, S.- 1959: 4/1
JACKMAN, Kenneth W.- 1958: 9/5, 11/14
JACKSON, Dan- 1959: 8/14
JACKSON, Henry M. "Scoop"- 1959: 11/3, 11/11, 11/12; 1960: 1/14; 1961: 1/17,
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JACKSON, Paul E.- 1959: 7/30
JACOBS, Clyde Edward- 1961: 1/12
JACOBSON, Louis- 1960: 6/2
JAFFE, Henry L.- 1959: 3/3
JAFFEY, Arthur H.- 1958: 9/3, 10/8, 10/9, 12/23
JAFFRAY, Joan- 1958: 7/9
JAMES, F. Cyril- 1958: 9/22
JAMES, Ralph A.- 1958: 9/26; 1959: 12/16
JAMES, Sidney L.- 1959: 7/20
JAMISON, William H.- 1960: 6/19
JANZEN, Assar G.- 1959: 2/3, 5/6
JARRETT, Rheem F.- 1959: 9/1; 1960: 10/3
JARRING, Gunnar V.- 1959: 5/6, 5/26
JASPER, Donald E.- 1960: 11/13
JASTRAM, Roy W.- 1959: 5/20, 7/29; 1960: 4/11, 7/28
JARVIS, Robert- 1960: 3/10
JAVITS, Jacob- 1960: 3/8; 1961: 1/17
JEFFERSON, L. G.- 1960: 12/22
JELAVICH, Charles- 1958: 8/27, 9/9, 11/19, 12/10; 1959: 3/2, 4/4, 4/9, 4/22,
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JELAVICH, Mrs. Charles- 1958: 12/8

JENCKS, Richard- 1958: 12/22; 1959: 1/22
 JENKINS, Bidly- 1960: 6/27
 JENKINS, Bill- 1960: 6/26
 JENKINS, Francis "Pan"- 1959: 1/28; 1960: 10/27
 JENKINS, James A.- 1959: 1/20
 JENNINGS, Percy- 1959: 3/23, 4/17, 4/29, 5/6, 5/19, 5/29, 11/23; 1960: 1/17,
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 JENNINGS, Richard W.- 1958: 12/11, 12/16, 12/20, 12/22; 1959: 1/9, 2/13, 2/18,
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 JENSEN- 1960: 2/25
 JENSEN, Arthur- 1959: 3/?, 4/13, 5/8, 10/8; 1960: 2/25
 JENSEN, Frederick R.- 1960: 10/10
 JENSEN, L. H.- 1958: 12/23; 1959: 2/5
 JENSEN, N. L.- 1959: 4/22
 JENSEN, William A.- 1959: 2/21, 5/22; 1960: 10/10, 11/29
 JENSON, Margaret G.- 1960: 8/30
 JETER, Bob- 1959: 1/1
 JEUNG, Edward- 1958: 9/25, 11/6
 JOHANNES, Everett- 1960: 10/3, 11/3
 JOHANSON, Raymond- 1959: 9/22
 JOHANSSON, Ingemar- 1959: 6/26
 JOHNS, Robert B.- 1959: 3/2
 JOHNS, Wilbur C.- 1958: 7/7, 8/9, 8/16, 8/23, 9/16, 9/17, 9/18, 11/17; 1959:
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 JOHNSON- 1959: 6/26
 JOHNSON, Alan- 1959: 4/23
 JOHNSON, Anthony- 1959: 6/26, 9/28, 10/26; 1960: 3/2
 JOHNSON, Brad- 1960: 7/10
 JOHNSON, Carol- 1960: 7/10
 JOHNSON, Cindy- 1960: 7/10
 JOHNSON, Clark (Vicki)- 1959: 9/4, 9/20, 1960: 7/10
 JOHNSON, David- 1960: 10/4
 JOHNSON, Debbie- 1960: 7/10, 7/11
 JOHNSON, Dick- 1960: 6/9
 JOHNSON, Doris (Mrs. Lloyd)- 1960: 7/10
 JOHNSON, Ed- 1959: 10/31
 JOHNSON, Elmer and Lillian- 1958: 7/27; 1960: 7/10
 JOHNSON, Gerald- 1959: 4/22
 JOHNSON, Glenn- 1960: 7/10
 JOHNSON, Glenna- 1960: 7/10
 JOHNSON, Harold A.- 1959: 9/1, 9/21, 10/29
 JOHNSON, Hirom- 1959: 7/30
 JOHNSON, Iver G.- 1960: 8/22
 JOHNSON, James S., Jr.- 1960: 10/6
 JOHNSON, Joe W.- 1959: 10/1
 JOHNSON, Lemar- 1959: 9/24
 JOHNSON, Lloyd (Doris)- 1958: 7/27; 1960: 7/10
 JOHNSON, Lyndon B.- 1960: 1/30, 2/1, 2/11, 3/9, 7/12, 8/8
 JOHNSON, Quintin C.- 1958: 11/13; 1959: 9/27
 JOHNSON, Rafer- 1958: 9/26, 11/8; 1959: 2/6, 2/17
 JOHNSON, Ray- 1959: 10/14
 JOHNSON, Reynolds- 1959: 1/12
 JOHNSON, Robert L.- 1958: 11/3, 11/12, 11/19
 JOHNSON, Stanley- 1960: 7/10
 JOHNSON, Vicki (Mrs. Clark)- 1960: 7/10

JOHNSON, Warren C.- 1958: 9/9, 9/11; 1959: 6/16, 12/2
 JOHNSTON- 1960: 11/7
 JOHNSTON, Harold S.- 1960: 5/3
 JOHNSTON, John Robert- 1960: 11/16, 11/22, 11/23
 JOHNSTON, Maggie- 1960: 9/14, 9/15
 JOJA, Atanase- 1960: 8/31
 JOLLY, William- 1959: 9/27
 JONAS, Holloway- 1959: 5/21
 JONES, - 1959: 4/15
 JONES, Charles W.- 1958: 9/22, 10/1, 10/22, 10/28, 11/5, 11/12, 11/26, 11/27,
 12/2, 12/10, 12/12; 1959: 1/9, 2/4, 2/11, 2/25, 3/10, 3/13, 3/16, 3/25,
 4/8, 4/22, 5/6, 5/20, 5/28, 6/22, 6/25, 9/1; 1960: 11/17
 JONES, Cleveland- 1960: 10/22
 JONES, Grenville- 1959: 5/21
 JONES, Hardin- 1958: 10/2, 10/14; 1959: 2/5, 2/16, 2/18, 2/25, 2/26, 2/27,
 2/28, 3/13, 4/7, 4/8, 5/20, 5/29, 6/1, 6/10, 7/27, 8/5, 8/8, 12/7; 1960:
 2/3, 4/20, 5/11, 5/13, 6/2, 6/29, 8/8, 8/18, 8/23, 9/7, 9/29, 11/21,
 11/28, 11/29
 JONES, Harold E.- 1959: 4/6, 5/4, 5/12, 5/20, 5/21, 6/4, 7/27, 8/5, 8/8; 1960:
 6/11, 6/19, 7/16
 JONES, K. K.- 1960: 2/3
 JONES, Linda- 1961: 1/5
 JONES, Mary Cover (Mrs. Harold E.)- 1960: 6/11
 JONES, Ray- 1959: 3/2
 JONES, Victor- 1958: 12/2
 JORALEMON, Ira B.- 1959: 10/2
 JOSEPHS, Devereux- 1960: 1/22
 JOURD, Kenneth- 1958: 8/19
 JOYAL- 1959: 5/15
 JOYCE, Edmund P.- 1959: 10/6, 10/10
 JUDD, David L.- 1959: 5/20
 JUKES, Tom- 1959: 11/14
 JULIANO, Jose O.- 1959: 7/10; 1960: 7/7
 JURA, George- 1958: 11/13; 1959: 2/4

KABAKEVSKY, Dmitry- 1959: 10/27
 KABIR, Humayun- 1960: 11/30
 KADOTA, Takashi Theodore- 1959: 2/26
 KAFDENOF- 1958: 9/11
 KAGEL, Sam- 1960: 10/29
 KAHN, Doris- 1960: 6/6
 KAISER, Boynton S.- 1959: 1/22
 KAISER, Edgar- 1960: 6/14
 KAISER, Henry J. Jr.- 1959: 5/12, 6/13, 8/31, 9/1, 11/22, 11/25; 1960: 4/20,
 6/19, 6/29, 12/2; 1961: 1/26, 1/27, 1/30
 KALKSTEIN, Marvin I.- 1959: 6/3
 KAMEN, Martin- 1959: 12/8
 KARLSTROM, Ernest L.- 1959: 10/6
 KANE, Evan O.- 1958: 8/8
 KANGAS, Lenni W.- 1959: 3/18, 4/22
 KANTOROWICZ, Ernst- 1959: 2/12
 KAPLAN- 1959: 2/19, 2/20, 3/12, 3/13, 4/16, 4/17, 5/14, 5/15
 KAPLAN, Bernard H.- 1958: 7/16
 KAPLAN, Joseph- 1960: 8/29, 10/12
 KAPLAN, Marshall- 1960: 2/25

KAPLAN, Stuart- 1958: 12/16
 KAPP, Joe- 1958: 9/27; 1959: 1/1, 1/6, 5/21
 KARDELJ, - 1959: 9/22
 KARELIN, Vladimir- 1960: 6/6
 KARPLUS, Robert- 1959: 1/9, 3/2, 5/8, 5/13, 9/22, 11/3; 1960: 2/25, 3/8, 3/22,
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 KARR, Howard- 1959: 10/13
 KARSH, Robert- 1960: 4/1
 KASPAR, George, Peggy and children- 1960: 7/24
 KASTEN, Karl- 1959: 6/9
 KATO, Tosio- 1959: 10/27
 KATZ, Joseph J. (Sonia)- 1958: 9/1, 9/2, 9/9, 9/11, 10/9, 12/12; 1959: 10/6;
 1960: 4/2, 8/1, 8/10; 1961: 1/9
 KATZIN, Leonard (Alice)- 1960: 7/22
 KAUFFMAN, George- 1959: 11/21
 KAUFMAN, Richard- 1959: 8/28
 KAUFMAN, Warren J.- 1959: 2/9, 2/13, 2/16, 2/18, 2/24, 2/25, 2/26, 2/28, 3/2,
 3/9, 3/19, 3/24, 4/8, 6/26, 8/17; 1960: 6/2
 KEATING, Kenneth- 1960: 3/8
 KEELER, William N.- 1958: 7/29, 8/29,; 1959: 3/13, 4/22, 5/6, 5/21, 5/29, 6/4,
 6/23, 8/7, 10/1, 12/7
 KEENE, Clifford H.- 1960: 6/29, 8/8, 9/7
 KEENE, R. S.- 1958: 8/9
 KEEVIL, June- 1959: 2/18
 KEEVIL, Norman- 1959: 2/18
 KEEVIL, Norman Jr.- 1959: 2/18
 KEFAUVER, Estes- 1960: 10/26, 11/25
 KEIM, Paul F.- 1958: 9/15; 1959: 5/4, 5/12, 5/22
 KEITH, Elmer- 1959: 3/10, 5/8
 KELBER, Charles- 1959: 3/2
 KELLER, Bill- 1959: 11/12
 KELLER, Charles R.- 1959: 4/23, 11/23
 KELLEY, Cecil W.- 1959: 4/9
 KELLEY, Joe- 1959: 6/20
 KELLEY, John L.- 1958: 11/12, 11/19, 12/22; 1959: 2/3, 2/10, 3/18, 3/26, 5/5,
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 KELLEY, Vic- 1959: 5/25
 KELLOGG, Sue- 1959: 11/30
 KELLY, Harry C.- 1959: 9/15, 10/18, 10/20, 11/3; 1960: 4/14, 7/14, 7/28, 11/16,
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 KELLY, Margaret- 1959: 6/7
 KELLY, Mervin- 1960: 3/14
 KELLY, Orr- 1959: 11/12
 KEMPER, Jack- 1959: 4/22
 KEMPPF, Gunther- 1959: 4/23
 KENASTON, V. Wayne- 1959: 6/1
 KENDALL, Glenn- 1959: 4/8
 KENNEDY, John F.- 1959: 11/4; 1960: 1/30, 2/1, 2/23, 3/8, 5/16, 5/18, 5/27,
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 KENNEDY, Joseph W.- 1959: 10/13
 KENNEDY, Mike- 1959: 3/27, 6/7
 KENNEDY, Norman- 1960: 6/21
 KENNEDY, Robert F.- 1961: 1/20
 KENNEDY, Roberta- 1960: 6/9

KENNEDY, Van Dusen- 1959: 2/27, 3/25, 4/1, 10/12; 1960: 12/13, 12/17
 KENNEDY, W. Norman- 1959: 2/9, 3/31, 5/11, 6/9, 10/1; 1960: 11/23
 KENNEY, Arthur- 1959: 3/25
 KENT, Thomas, J. "Jack"- 1958: 10/22, 11/14, 11/19; 1959L 3/27, 3/31, 4/14,
 6/13, 6/22, 9/20, 10/1; 1960: 4/5, 10/19
 KEOGH, John W.- 1959: 8/13, 8/17
 KEREKES, Barnabas- 1958: 12/25
 KERLEY, Robert F.- 1958: 7/29, 8/1, 8/8, 9/12, 9/13, 9/23, 9/25, 10/3, 10/13,
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 KERMAN, Joseph W.- 1959: 2/12, 3/3, 3/17, 3/19, 4/4, 5/20, 6/1, 10/27
 KERR, Clark- 1958: 7/2, 7/3, 7/7, 7/10, 7/11, 7/18, 7/28, 7/29, 7/31, 8/4, 8/7,
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KERR, Kay (Mrs. Clark)- 1958: 8/22, 9/22, 9/29, 10/29, 11/21, 11/25, 12/5;
 1959: 3/12, 4/15, 4/22, 5/7, 6/22, 6/10, 6/21, 9/3, 9/24, 9/28, 10/10,
 10/11; 1960: 2/3, 3/3, 6/3, 9/14, 9/15, 9/29, 10/3, 10/4, 11/18, 11/19;
 1961: 1/12
 KERRICK, Jean S.- 1960: 12/22
 KERST, Kenneth- 1959: 10/27
 KETTLER, Raymond W.- 1958: 9/19, 11/20, 12/15, 12/16; 1959: 1/22, 2/19, 2/20,
 3/12, 3/13, 3/15, 4/17, 6/18, 6/19, 6/23, 6/26, 9/17, 9/18, 10/23, 11/19,
 11/20, 12/10, 12/11; 1960: 1/20, 1/21, 1/22, 1/29, 2/2, 4/7, 6/20, 8/11,
 8/18, 8/26, 9/15, 9/22, 10/12, 10/28
 KEY, Bernard- 1959: 6/11, 6/26
 KEYES, H. M. R.- 1958: 9/22
 KEYSTON, Constance- 1960: 2/10
 KEYSTON, James- 1958: 11/15
 KHORANA, Har Gobind- 1960: 4/8
 KHRENNIKOV, Tikhon- 1959: 10/27
 KHRUSHCHEV, Nikita Sergeevich- 1959: 8/5, 8/31, 9/15, 9/17, 9/21; 1960: 5/16
 KHYM, Joseph X.- 1960: 5/26
 KIANO, Julius Gikonyo- 1960: 11/30
 KIDD, Alexander Marsden- 1959: 10/24
 KIDD, Charles V.- 1960: 1/11, 1/16
 KIDNER, Frank L.- 1958: 8/16, 8/19, 8/20, 8/21, 8/23, 8/25, 8/26, 8/29, 9/17,
 9/18, 9/23, 9/29, 10/1, 10/15, 10/17, 10/18, 10/22, 10/24, 10/27, 10/29,
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 12/19, 12/22; 1959: 1/6, 1/12, 1/14, 1/22, 1/30, 2/3, 2/4, 2/5, 2/6, 2/9,
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 12/16; 1960: 1/6, 1/11, 1/12, 1/13, 1/14, 1/20, 1/23, 1/24, 1/28, 2/2,
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 6/5, 9/6, 9/14, 9/22, 10/4, 10/24, 10/25, 11/3
 KIDNER, Frank Jr.- 1959: 11/2
 KIESEL, Emma- 1961: 1/13
 KILFOIL, Tom- 1959: 12/7
 KILIAN, Otto- 1960: 2/18
 KILLIAN, James R. Jr.- 1958: 8/12, 8/14, 9/9, 9/21, 11/18, 12/5, 12/24; 1959:
 1/26, 1/29, 2/3, 2/5, 2/10, 3/3, 3/17, 4/21, 5/18, 5/26, 5/29, 6/16, 7/29,
 12/13; 1960: 1/14, 1/18, 6/27, 6/28, 12/2, 12/6, 12/8
 KILMER, Bill- 1960: 11/5
 KILLION- 1959: 9/17
 KIMBALL, Bob- 1959: 3/27
 KIMLINGER, Wilfred P.- 1959: 9/27
 KIMNY, Nong- 1958: 10/15
 KIMPTON, Lawrence A.- 1959: 2/12
 KINCAID, John- 1959: 10/14, 10/20, 11/2
 KING, C. Glen- 1959: 5/2, 5/7, 5/21, 11/10, 11/14
 KING, Ed- 1960: 10/10
 KING, J. F.- 1959: 4/13; 1960: 4/22
 KING, Jack- 1960: 12/13
 KING, James F.- 1960: 7/28, 10/11
 KING, Max- 1960: 9/30
 KING, R.- 1959: 1/20
 KING, Richard- 1958: 7/10, 9/25, 12/22
 KING, Richard G.- 1958: 8/29, 9/15, 10/27, 12/2, 12/4; 1959: 1/12, 2/12, 3/24,
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KING, Roy- 1960: 3/1
 KINNARD, Lawrence- 1960: 6/11
 KINSEY, E. Lee- 1959: 1/8, 4/22
 KINSMAN, Simon- 1959: 6/24
 KINZEL, Augustus Braun- 1959: 9/18
 KIP, Arthur F.- 1959: 7/10, 10/24; 1960: 7/29
 KIPHUTH, DeLaney- 1959: 10/27
 KIRK, Grayson- 1959: 2/12, 11/23; 1960: 1/22, 12/1
 KIRK, Harris C.- 1959: 6/3, 11/30
 KIRK, Mrs. L. M.- 1959: 5/4
 KIRK, Paul L.- 1959: 4/22, 4/24, 5/4, 6/3, 6/20; 1960: 3/1, 12/7
 KIRKPATRICK, Ralph- 1959: 6/19
 KIRKWOOD, John G.- 1958: 10/15; 1959: 4/14, 12/3
 KIRNER, Walter R.- 1959: 9/4
 KIRSCHBAUM, Albert J.- 1958: 7/3, 8/31, 9/15, 9/30, 11/12, 11/19, 12/3; 1959:
 3/2, 5/21, 12/7
 KIRSCHNER, Leon- 1959: 10/27
 KIRSCHNER, Stanley- 1958: 8/19
 KIRWAN, Ed- 1958: 11/5
 KIRZ, Janos- 1958: 12/25
 KISTIAKOWSKY, George B. "Kisty"- 1959: 3/5, 4/20, 5/18, 5/29, 6/16, 7/2, 7/29,
 8/20, 8/31, 9/1, 9/15, 9/16, 9/30, 10/19, 10/20, 10/28, 11/5, 11/14,
 11/17, 11/23, 12/14; 1960: 1/6, 1/15, 1/16, 1/17, 1/22, 1/27, 2/14, 4/23,
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 1961: 1/3, 1/10
 KITCH, Ken- 1960: 9/30
 KITCHEN, Robert- 1960: 1/7, 1/27
 KITCHIN, Paul C.- 1960: 4/11
 KITTEL, Charles- 1958: 11/11; 1959: 4/16, 4/30, 7/10; 1960: 9/1
 KITTO, Humphrey- 1959: 12/17; 1960: 10/13
 KIVETTE, F. N. (Vice Admiral)- 1960: 9/17
 KLEVER, Mary- 1960: 7/24
 KLITGAARD, Thomas J.- 1959: 4/24
 KLOPSTEG, Paul- 1959: 6/16
 KLUGOW, Allen Wayne- 1958: 9/15
 KLUSZEWSKI, Ted- 1959: 9/30
 KNAB, Oleg- 1959: 6/9, 6/24, 6/27
 KNAUF, George M.- 1959: 4/1
 KNIGHT, C. Arthur- 1959: 2/3, 2/6, 2/10, 2/12, 2/13, 2/17, 2/24, 12/7
 KNIGHT, Douglas- 1960: 1/18, 3/5
 KNIGHT, Goodwin- 1958: 9/26, 9/29
 KNIGHT, Walter D.- 1958: 9/24; 1959: 3/18, 3/24, 3/26, 4/22; 1960: 3/22, 5/3,
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 KNOELL, Dorothy W.- 1960: 2/3
 KNOTT, - 1959: 10/23
 KNOWLAND, William F.- 1959: 7/30, 11/6; 1960: 1/11, 1/12, 2/8, 2/11, 2/19
 KNOX, E. Eugene- 1959: 11/14
 KNOX, John- 1960: 12/1
 KNUDSEN, Andy- 1960: 8/8
 KNUDSEN, Vern O.- 1958: 12/19; 1959: 1/22, 2/2, 2/6, 2/17, 2/18, 2/19, 2/20,
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 10/16, 10/29, 11/18, 11/20, 12/10, 12/11; 1960: 1/20, 2/5, 2/11, 2/17,
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 KOBAYASHI, Shiro- 1960: 9/30
 KOCH, Adrienne- 1959: 3/19, 9/20

KOCH, Leo- 1960: 5/3, 5/4, 5/5, 5/6, 5/8, 5/9, 5/10, 5/11, 5/12, 5/13, 6/2,
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 KOCHER, R. L.- 1959: 8/21; 1960: 9/15
 KODRITSCH, Pauline- 1959: 2/17, 7/20, 7/29
 KOESTLER, Arthur- 1961: 1/29
 KOHATSU, Lucille- 1959: 4/22
 KOHLER, Kent- 1958: 11/24; 1959: 8/3; 1960: 3/31, 12/1; 1961: 1/10, 1/26
 KOHMAN, Truman P.- 1959: 6/5
 KOHN, Walter- 1959: 4/16, 4/27
 KOKER, Ray- 1959: 11/2, 11/3
 KOLL, Mike- 1958: 10/3
 KOLTHOFF, I. M.- 1959: 4/28
 KOMATSUBARA, Nancy- 1960: 6/9
 KOMPANETZ, Tedi- 1958: 10/30
 KORBU- 1959: 11/3
 KORDA, Michael- 1959: 8/6
 KORNBERG, Arthur- 1959: 6/9
 KORNFELD- 1960: 4/7
 KORNHAUSER, W. A.- 1959: 5/20
 KORTELING, Ralph G.- 1959: 9/27
 KORZHINSKI, Dimitri S.- 1958: 12/2
 KOSAKURA, Albert S.- 1959: 9/19
 KOSHLAND, Marian- 1960: 5/26
 KOSHLAND, Robert- 1959: 3/21
 KOSYAKOV, V. N.- 1958: 9/8, 9/9
 KOTARBINSKI, Tadeuz (and Mrs.)- 1959: 3/13, 4/28
 KOUTS, Herbert J. C.- 1959: 3/2
 KOZLOV, Frol R.- 1959: 6/23, 6/26, 7/30
 KOZLOV, V. V.- 1958: 12/12; 1959: 1/15, 2/12
 KRAETZER, Warren- 1959: 6/4, 9/12; 1960: 2/13, 10/8
 KRAFT, E. J.- 1960: 9/21
 KRAGEN, Adrian- 1958: 7/11, 12/10; 1959: 1/3, 1/4, 1/19, 3/10, 4/9, 4/10, 4/13,
 5/20, 6/26, 8/3, 8/9, 9/22, 12/23; 1960: 1/4, 1/7, 1/23, 1/26, 2/2, 2/4,
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 1/4, 1/10
 KRASIKNIKOV, V. A.- 1959: 10/30
 KRAUSE, Moose- 1959: 10/10
 KRECH, Mrs. David- 1959: 6/10
 KRECH, David- 1959: 4/7, 6/1, 8/17; 1960: 10/3, 10/11
 KREIDLER, Robert N.- 1959: 9/30, 10/19, 11/9, 12/18; 1960: 1/6, 1/11, 1/16,
 1/17, 3/5, 3/6, 4/4, 4/5, 4/6, 4/8, 4/18, 5/23, 6/21, 8/2, 9/14, 12/8
 KREUGER, Paul- 1960: 3/22
 KRIETE, Frederick- 1959: 4/3, 4/6
 KROEBER, Alfred L.- 1958: 11/19; 1959: 9/29; 1960: 3/5, 3/24
 KRZEMINSKI, Wojcieck- 1960: 8/16
 KUCHEL, Thomas H.- 1959: 4/30, 5/1, 5/20, 6/27, 7/29, 8/11, 8/14, 9/8; 1960:
 3/2, 3/8, 3/9, 5/16, 11/23, 12/1; 1961: 1/5, 1/6, 1/17
 KUHN, Heinrich- 1959: 1/22
 KUHN, Thomas- 1959: 6/16; 1960: 5/10, 7/29, 11/21, 12/2, 12/21; 1961: 1/25
 KURAYK, Constantine- 1958: 9/22
 KURCHATOV, Igor- 1958: 9/11

KURIAKOSE, P. T.- 1959: 3/10
KURZ, Lawrence- 1960: 2/8
KUZNETS, George M.- 1959: 3/18; 1960: 9/1
KYI, Ru-Tao- 1959: 9/27
KYTE, George C.- 1959: 1/13, 1/14, 1/30, 2/4, 2/25, 3/3, 3/25, 4/8, 5/21, 5/27,
6/4, 6/11

LABOUISSSE, Henry A.- 1959: 2/11, 2/24
LACY, William S. B.- 1959: 4/20, 4/22, 5/4, 5/20, 6/10, 6/27, 9/3; 1960: 1/20,
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LAETANA, J. E.- 1959: 5/20
LA FARGE, Jules- 1960: 9/30
LAGARIO, Henry J.- 1960: 9/29
LAINE, Frankie- 1958: 12/30
LAIRD, Alan D. K.- 1959: 9/1
LAITONE, Edmund- 1960: 6/6
LAKY, Les- 1960: 11/1, 11/4
LAL, Gobi B.- 1958: 10/14, 11/3
LAL, Hardwari- 1960: 1/28
LA LIBERTE, Bob- 1960: 9/29
LAMANNA, Carl- 1960: 2/5, 4/11
LAMB, Willis- 1959: 4/17
LAMPEAR- 1959: 6/2
LAND, Edwin H.- 1959: 6/16
LANDAUER, Carl- 1959: 3/3, 4/23, 5/21, 6/4, 6/11
LANDER- 1959: 12/3
LANDIS, Daniel- 1960: 1/6, 1/13
LONDON, John- 1959: 5/15, 6/18, 6/19; 1960: 6/19, 6/20
LANDRETH, Catherine- 1959: 1/19, 1/21, 5/21
LANDRITH, Hobie- 1960: 8/27
LANDSBERG, Mark- 1959: 9/29
LANE, Cleveland- 1959: 12/4; 1960: 1/9
LANE, J. A.- 1959: 3/2
LANGE, Alexis F.- 1960: 9/14
LANGENHEIM, Jean H.- 1959: 12/7
LANGLEY, E. B. - 1959: 3/7
LANGLEY, Margaret- 1959: 3/7
LANGLEY, Jim- 1959: 3/7, 3/25
LANIER, Gerald- 1959: 4/22
LANTAGUE, Joseph- 1960: 5/5
LAPP, Ralph- 1959: 5/1
LAPSLEY, J. T., Jr.- 1959: 5/20
LARM, (Mrs.)- 1959: 6/26
LARN, Hubert- 1961: 1/29
LAROIA- 1960: 9/27
LARRY, Gloria- 1959: 12/16
LARSEN- 1959: 2/24
LARSEN, Donald- 1960: 5/31
LARSEN, Roy- 1960: 1/22
LARSH, Almon E.- 1959: 8/6
LARSON, Clarence E.- 1958: 10/8; 1959: 10/8
LARSON, Helen- 1959: 3/25
LA SALLE, Mary Joan- 1959: 8/28
LASHER (né Loshakoff), Nathan- 1958: 8/26
LASHER, Roland- 1960: 9/15
LASSWELL, Harold D.- 1959: 1/24

LATIMER, Glatha- 1960: 4/8, 9/22
 LATIMER, Robert M.- 1958: 9/25, 10/2, 11/6; 1959: 8/6, 9/27
 LATIMER, Wendell- 1959: 2/25; 1960: 1/21
 LATTER, Richard- 1959: 5/27, 6/9
 LATTES, Cesare M. G.- 1959: 12/8
 LAURENCE, William D.- 1959: 8/6, 10/11
 LAURITSEN, Charles C.- 1959: 8/20, 8/31, 10/19
 LAVES, F.- 1959: 2/1
 LAVIGNE, B.- 1960: 2/4
 LAWLOR, Reed C.- 1960: 10/24
 LAWRENCE, Amy- 1960: 5/24
 LAWRENCE, Ernest O.- 1958: 7/28, 8/8, 8/10, 8/12, 8/20, 8/27, 8/28, 8/30, 9/19, 10/3, 11/11, 12/22; 1959: 1/29, 2/25, 3/7, 3/11, 3/12, 3/13, 3/16, 3/24, 4/17, 5/28, 6/11, 7/18, 7/29, 10/2, 10/12, 10/24, 11/3, 11/20; 1960: 2/1/6, 5/6, 5/18, 6/9, 9/2, 9/27, 11/23; 1961: 1/26
 LAWRENCE, John H.- 1958: 9/17, 9/18, 10/2, 10/13, 11/5, 12/9; 1959: 1/7, 1/12, 3/12, 3/13, 3/18, 4/13, 6/20, 9/2, 9/28, 11/12, 12/3; 1960: 1/7, 1/20, 5/6, 6/29, 8/23; 1961: 1/5, 1/9
 LAWRENCE, Margaret (Mrs. Derek Cook Casady)- 1959: 5/5
 LAWRENCE, Molly- 1958: 12/22; 1959: 1/7, 3/24, 5/5; 1960: 5/6, 6/9
 LAWSON, Kay- 1959: 6/1
 LAWTON, Edward B., Jr.- 1958: 12/16; 1959: 10/27
 LAWTON, Robert G.- 1959: 3/11, 10/11
 LAYCOCK- 1959: 2/19
 LAYMAN, Joseph- 1959: 3/21
 LAZAR, Allen- 1960: 4/6
 LAZIER, Edgar L.- 1958: 9/26; 1959: 2/19, 2/20, 3/13, 5/14, 5/15, 9/17, 10/23, 11/19, 12/10
 LEACHMAN, R. B. "Bob"- 1958: 9/11, 9/25
 LEAR, John- 1960: 3/8
 LEARY, Mary Ellen- 1959: 11/12
 LEBECK, Donald- 1959: 9/27
 LEBEDEV, Panteleimon- 1959: 2/2
 LECHNER, John- 1960: 2/5
 LEDERBERG, Joshua- 1959: 6/9, 6/12
 LEDERER, Bill- 1961: 1/12
 LEDERMAN, Leon- 1959: 12/14
 LEDNICKY, Rudolf E.- 1960: 5/23
 LEE, Tsung-Dao- 1958: 10/2
 LEE, Alton- 1960: 1/7, 3/3
 LEE, D. A.- 1958: 10/7
 LEE, Eugene- 1958: 7/28, 8/1, 8/6, 8/8, 8/13, 8/19, 8/26, 8/27, 8/28, 8/29, 9/13, 9/15, 9/16, 9/23, 9/27, 9/30, 10/1; 1960: 1/26, 1/30, 4/11, 7/28, 9/17
 LEE, Gilbert L., Jr.- 1960: 7/28, 8/5, 8/26, 8/30, 8/31, 9/6, 9/26, 10/11, 10/14, 10/28, 11/3
 LEE, Jan- 1960: 6/9
 LEE, Sun Keun- 1959: 2/3, 2/4
 LEGENS, A. S.- 1959: 3/8
 LEGGETT- 1959: 1/19
 LEHMER, Derrick H.- 1959: 8/20
 LEIBENSTEIN, Harvey- 1959: 3/18
 LEIFFER, Don- 1960: 2/3
 LEIGHLY, John B.- 1959: 3/26, 5/20; 1960: 4/7, 6/11
 LEIGHTON, Bob- 1959: 6/16

LEISER, Bill- 1960: 1/11, 1/25, 1/28, 3/11
 LEISHMAN, Lathrop K. "Lay"- 1958: 11/24
 LEITMANN, George- 1959: 12/16; 1960: 1/6, 2/8, 2/9
 LELAND, Carol A.- 1959: 11/2
 LEMBCKE, Cindy- 1959: 3/10, 3/13, 3/25
 LENCZOWSKI, George- 1959: 4/23
 LENGNICK, Lewis W.- 1959: 8/28
 LENGYEL, Mike- 1960: 10/11
 LEONARD, Frederick C.- 1958: 12/24; 1959: 4/16
 LEONARD, W. F.- 1960: 3/18
 LEONTIEF, Wassily- 1959: 11/4
 LEOPOLD, A. Starker- 1958: 11/4; 1959: 4/7, 4/22, 5/4, 8/3; 1960: 4/20, 6/10, 6/14, 8/16, 8/17, 8/23, 8/31, 9/6, 9/7, 9/14, 9/27, 9/28, 10/9, 10/11, 10/25, 11/1, 11/2, 11/29, 12/6, 12/7, 12/9, 12/13, 12/21; 1961: 1/4, 1/5, 1/9
 LEPAWSKY, Albert- 1958: 11/14; 1959: 5/20
 LERNER, I. Michael- 1959: 3/26, 4/30, 5/11, 5/20, 5/22, 6/12, 6/22, 11/12; 1960: 1/27, 3/29, 4/14
 LESSING, Ferdinand Diedrich- 1959: 10/24, 12/3
 LESSING, Lawrence- 1960: 1/28, 4/1
 LESSLER, Richard M.- 1958: 10/2, 10/15
 LE TENDRE, J. Elwin- 1959: 2/3, 5/21
 LEUSKE, Aryay- 1959: 10/28
 LEUZE, Rex- 1958: 10/7
 LEVANAS, Leo- 1958: 7/25
 LEVENS, Alexander S.- 1959: 3/8; 1960: 10/28, 11/8, 12/2
 LEVENS, Raphael S.- 1960: 11/8
 LEVENTHAL, Cyrus- 1960: 11/16; 1961: 1/9
 LEVIN, Harry- 1960: 4/7
 LEVITT, Bert- 1959: 3/14, 3/16, 4/15, 4/17, 4/24, 5/5
 LEVITT, Thelma- 1959: 5/5
 LEVY, H. B.- 1959: 8/29
 LEVY, Marvin- 1960: 1/25, 2/4, 2/11, 2/16, 2/21, 2/23, 3/3, 3/4, 3/8, 9/14
 LEWIS- 1959: 2/25
 LEWIS, Gilbert Newton- 1959: 2/25; 1960: 4/1
 LEWIS, Mac- 1959: 1/1
 LEWIS, Richard B.- 1960: 2/3
 LEWIS, Sinclair- 1959: 5/8
 LI, Choh Hao- 1958: 8/26, 9/18, 12/3; 1959: 1/20, 1/22, 2/3, 2/17, 2/18, 2/24, 5/4
 LIBBY, Willard F.- 1958: 8/20, 8/21, 9/2, 9/9, 9/24, 9/25, 9/30, 10/2, 11/12; 1959: 2/26, 2/27, 2/28, 3/3, 4/27, 6/16, 6/22, 6/23, 9/29, 9/28, 11/20; 1960: 11/3, 12/1, 12/6
 LI, Donald- 1959: 8/29
 LIDEN, Oscar- 1960: 10/22
 LIDIKER, William- 1959: 4/7
 LIEBER, Paul- 1959: 2/24
 LIEBESKIND, Dave- 1960
 LIEFER, Don- 1960: 1/27
 LIETZKE, M. H.- 1960: 10/6
 LILGE, Fedric- 1959: 4/23, 9/20, 9/24
 LIN, Tung-Yen- 1960: 1/20, 11/23
 LINCOLN, Luther- 1959: 2/18
 LINDEBAUM, S.- 1958: 10/7
 LINDERS, Maggie- 1959: 4/17

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 LINDGREN, Dianne- 1958: 7/5, 7/6
 LINDGREN, Florence- 1958: 7/5, 7/6
 LINDGREN, J.- 1959: 9/27
 LINDGREN, Peter- 1958: 7/5, 7/6
 LINDGREN, Signe- 1958: 7/5, 7/6
 LINDHOLM, Manne- 1959: 5/6; 1960: 2/11, 8/31, 11/4
 LINDNER- 1959: 10/8, 10/23
 LINDNER, Manfred- 1958: 9/22, 10/13, 12/9
 LINDQUIST, John- 1959: 3/27
 LINDSAY, Edith M.- 1959: 2/27
 LINDVALL, Fred C.- 1959: 8/20, 8/31
 LING, Rufus C.- 1959: 12/15
 LINK, George- 1958: 10/13; 1959: 4/8, 5/5, 12/16; 1960: 3/31, 5/25, 5/31,
 6/17, 7/31, 9/15, 9/26, 9/27, 9/29, 10/4, 10/10, 10/24, 10/31; 1961: 1/14
 LINK, Leonard- 1959: 3/2
 LINMAN, Lynn- 1960: 10/4
 LINSCHITZ, Henry- 1959: 2/4
 LINSLEY, Edwin C.- 1959: 3/23
 LINSLEY, E. Gorton- 1959: 4/8, 4/30; 1960: 2/1, 2/4, 4/27, 8/10, 11/13;
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 LIPMAN, E. C.- 1958: 11/17; 1959: 5/7, 6/3
 LIPP, Charles S.- 1959: 6/4
 LIPSCOMB, Glenn- 1959: 7/30
 LIPSET, Seymour- 1959: 3/18, 8/3; 1960: 1/29; 1961: 1/29
 LIPSETT, Marty- 1959: 3/14
 LIPSON, Leslie- 1958: 10/27, 11/26, 12/10, 12/12, 12/17; 1959: 2/21, 3/18,
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 LIPWORTH, Edgar- 1959: 9/27
 LITTLE, Mike- 1960: 6/9
 LITTON, R. Burton, Jr.- 1959: 5/11, 5/20, 5/22, 10/1
 LIVINGSTON, Lawrence- 1958: 10/29; 1959: 9/3
 LIVINGSTON, Lawrence- 1959: 9/3
 LIVINGSTON, Robert S.- 1959: 3/16, 8/9
 LOCHEAD, James K.- 1958: 11/17
 LOCKWOOD, Ward- 1959: 3/19
 LODGE, Henry Cabot- 1960: 8/8, 9/30, 10/4, 10/11, 10/25
 LOEB, Leonard B.- 1958: 11/19; 1959: 3/3, 6/9
 LOEB, Robert F.- 1959: 10/20; 1960: 1/18, 5/7
 LOEVE, Michel- 1959: 3/14, 3/18
 LOFGREN, Edward- 1958: 11/8
 LOHMAN, Joseph D.- 1960: 6/9, 7/27
 LOM, Benjamin- 1958: 8/29, 10/3, 10/27, 11/24; 1959: 2/12, 4/22, 5/21, 6/8,
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 LOMAX, Stan- 1960: 10/1
 LOMBARDO, Carmen- 1959: 1/27
 LOMBARDO, Guy- 1959: 1/27; 1960: 12/31
 LONDON, Dan E.- 1959: 11/5
 LONDON, George- 1959: 6/19
 LONG, Franklin A.- 1959: 8/20, 8/31; 1960: 5/16
 LONG, Judy- 1959: 5/5
 LOOMIS, Alfred- 1958: 11/3, 11/6; 1959: 10/24, 10/26; 1960: 3/18
 LOOMIS, C. Grant- 1959: 3/25, 3/26, 3/31, 4/23, 5/22; 1960: 3/21
 LOOMIS, Len- 1960: 5/25
 LOOS, Karl D.- 1960: 5/18, 6/15

LORAN, Erle- 1959: 4/14, 5/22
 LORD, John W.- 1958: 9/25
 LORRIMER, Cannon- 1959: 4/14
 LOUGHRIDGE, Donald- 1958: 10/5, 10/6
 LOUISELL, David- 1958: 10/11
 LOVE, Malcolm- 1959: 3/11, 3/17, 3/26, 4/15, 5/21, 6/26; 1960: 5/19
 LOVEJOY, Carolyn A.- 1958: 12/4; 1959: 9/27
 LOVELACE, W. Randolph II- 1960: 5/7
 LOVETT, H.- 1959: 4/22, 11/9
 LOWDERMILK, Walter- 1959: 3/11
 LOWELL, Ralph- 1958: 7/8; 1959: 1/24, 9/12; 1960: 10/8, 12/21
 LOWENTHAL, Leo- 1959: 3/14, 4/23; 1960: 1/29
 LOWETH, Hugh- 1959: 4/23, 5/6
 LOWIE, Robert H.- 1958: 11/19
 LOWINSKY, Edward- 1959: 2/12
 LOWREY, Lloyd- 1959: 2/26, 3/13
 LUBBOCK, Dan- 1958: 10/13; 1960: 5/25
 LUC- 1960: 8/19
 LUCAS, Charles- 1959: 5/5
 LUCE, Betty- 1960: 1/27
 LUCE, Henry R.- 1960: 11/22
 LUCKMAN, Charles- 1959: 9/12
 LUEDECKE, Alvin- 1958: 9/9; 1959: 12/2; 1961: 1/18
 LUEVANO, Daniel M.- 1959: 6/10, 7/30; 1960: 7/29
 LUKES, George- 1959: 11/9, 12/18
 LUMIANSKY, Robert Mayer- 1959: 10/21, 10/28
 LUNDBERG, Eric- 1961: 1/11
 LUNDBERG, Olaf- 1960: 2/11, 5/27
 LUNDBORG, Louis- 1960: 2/4
 LUNDGREN, Gerald- 1959: 3/3, 4/22
 LUSSIER, (Monsignor)- 1958: 9/22
 LUTEN, Dan- 1958: 10/28; 1959: 8/6
 LUTTINGER, Joaquin Mazdak- 1959: 4/16
 LYMAN, Richard L.- 1959: 5/4
 LYNCH, D.- 1959: 1/20
 LYNCH, James J.- 1960: 2/5
 LYON, Bruce- 1960: 10/25

MAAS, Henry- 1959: 4/22
 MacARTHUR, Henry C.- 1959: 6/2
 MACAULEY- 1959: 2/24
 MACAULEY, J. B.- 1960: 8/2
 MACBRIDE, Thomas J.- 1959: 2/26, 4/6
 MacCORMICK, Austin H.- 1959: 3/8, 3/14, 3/18, 4/14, 4/22, 4/24, 5/6, 5/21,
 5/22, 5/25; 1960: 3/1, 3/9, 3/30, 5/25, 6/11
 MacCULLOUGH, Rogers- 1958: 8/31, 9/1
 MacDIARMID, Alan G.- 1959: 8/17
 MacDONALD- 1960: 6/2
 MACE, C. A.- 1961: 1/29
 MACFARLANE, Jean- 1960: 7/16
 MACFARLANE, Ronald D.- 1959: 6/5, 8/6, 9/27
 MACHLIS, Leonard- 1959: 4/7, 4/30
 MacKINNEY, Gordon- 1959: 4/7, 5/4, 9/23, 10/2, 10/5, 10/14, 10/28, 11/2,
 11/11, 11/25, 12/23; 1960: 1/6, 1/14, 2/3, 2/24, 3/9, 3/22, 4/6, 9/28,
 9/30, 10/13, 10/26, 11/16, 11/23, 12/1, 12/14; 1961: 1/4

MACKINNEY, J. D.- 1960: 1/20
 MacKINNON, Donald W.- 1958: 8/20, 8/26, 9/22, 10/1, 12/10; 1959: 3/14, 3/18, 5/20; 1960: 5/25
 MACKY, Donald- 1959: 6/10
 MacLEISH, Archibald- 1959: 21/3, 12/17
 MACMILLAN, Harold- 1960: 9/21
 MacNOB, Keith- 1960: 4/2
 MacRAE, Elliott B.- 1959: 2/3
 MacSWAIN, John W.- 1959: 9/23, 10/5, 10/14, 10/28, 11/11, 11/25, 12/23; 1960: 1/6, 1/20, 2/3, 2/24, 3/9, 4/6, 9/28, 10/12; 10/26
 MACZEK, Stanislaw- 1959: 10/27
 MADDUX, (Miss)- 1959: 12/7
 MADDUX, Parker- 1960: 9/27
 MADIAN, Alan K.- 1958: 10/3, 10/12, 12/1, 12/2, 12/4, 12/5, 12/8; 1959: 3/12
 MADIN, Stewart H.- 1960: 4/28, 8/23
 MADISON, Marshall- 1959: 5/7
 MADONNE, Marjorie- 1959: 9/24, 9/28, 9/29; 1960: 10/10, 10/11
 MAGNIN, Cyril- 1959: 5/7
 MAGNUSSON, Larry- 1958: 10/9
 MAGOUN, Horace W.- 1959: 9/29
 MAGOWAN, Robert A.- 1959: 5/7
 MAGSAYSAY, Ramon- 1959: 2/5
 MAH, N. Wing- 1960: 6/11
 MAHAN, Bruce- 1959: 5/28; 1960: 4/2
 MAINS, Gilbert- 1959: 9/27
 MAISEL, Sherman J.- 1958
 MAJORS, O. Cort- 1958: 8/29, 10/27; 1959: 1/6, 1/7, 1/12, 2/12, 5/21, 6/8, 6/13, 6/23, 6/25, 8/6, 8/7, 10/30; 1960: 1/23, 2/4, 2/8, 2/21, 3/10
 MALCOLM, Gilbert- 1960: 3/28, 4/27
 MALIA, Martin- 1960: 4/7, 5/2, 5/5, 5/6; 1961: 1/3, 1/6, 1/9, 1/25
 MALIK, Charles A.- 1959: 1/16, 1/29, 2/12, 2/17, 2/18, 3/3, 3/16, 3/20, 3/21, 4/6
 MALKIEL, Yakov- 1959: 4/24, 9/24
 MALKIN, Myron S.- 1958: 9/11
 MALLOY, John T. (Colonel)- 1959: 1/8, 3/26, 4/6, 4/22, 5/4, 5/12, 11/10; 1960: 3/1, 5/12; 1961: 1/11
 MALLOY, Kathlyn C. "Kitty"- 1958: 7/28, 8/6, 8/8, 8/19, 8/26, 8/27, 9/13, 9/16, 9/23, 9/30, 10/14, 10/21, 10/28, 11/4, 11/11, 11/18, 11/19, 11/25, 12/2, 12/9, 12/22; 1959: 1/7, 1/19, 1/20, 1/21, 2/2, 2/3, 2/4, 2/5, 2/17, 2/21, 3/34, 3/6, 3/10, 3/12, 3/17, 3/24, 3/26, 3/31, 4/6, 4/7, 4/14, 4/22, 4/24, 5/5, 5/7, 5/13, 5/22, 5/26, 5/28, 6/1, 6/2, 6/9, 6/11, 6/12, 6/23, 6/25, 6/26, 7/2, 7/16, 7/20, 7/29, 8/11, 8/12, 8/17, 8/19, 8/20, 8/24, 8/25, 8/31, 9/1, 9/4, 9/20, 9/29, 10/15, 10/17, 10/22, 10/27, 11/3, 11/10, 11/24, 12/7, 12/8, 12/9, 12/17, 12/22; 1960: 1/4, 1/12, 1/25, 1/26, 2/2, 2/23, 5/9, 5/29, 6/14, 6/17, 6/21, 8/9, 8/16, 8/26, 9/6, 9/14, 9/24, 10/3, 10/10, 10/20, 10/24, 11/2, 11/4, 11/13, 11/23, 12/1, 12/16; 1961: 1/4, 1/23
 MALM, Finn J.- 1959: 5/20, 11/30; 1960: 10/10
 MALM, Lloyd- 1960: 1/25, 2/1, 3/9, 3/29, 4/2, 4/28; 1961: 1/24
 MALMFORS, Carl- 1958: 12/3
 MALONE, Clarence M.- 1959: 5/2, 11/14; 1960: 11/10
 MALONE, Thomas F.- 1960: 10/12
 MALY, Jaromir- 1958: 7/10, 9/10, 9/11
 MANDELBAUM, David- 1960: 5/23, 5/27, 6/7, 6/8, 6/9, 6/10, 6/14, 6/15, 6/17, 6/20, 6/29, 8/10, 10/19, 12/29

MANFIELD, Ed- 1959: 10/10
 MANG, Hans J.- 1958: 11/6; 1959: 9/27
 MANGANI, Lewis- 1960: 10/11
 MANN, Fay: 1960: 7/24
 MANNING, Winston M.- 1958: 8/20, 9/25, 10/9; 1959: 3/2
 MANOV, George G.- 1958: 12/3; 1959: 3/31
 MANSFIELD, Harvey C.- 1960: 10/10
 MANSON, Margaret- 1959: 5/8
 MARBLE, Frank- 1959: 10/13
 MAREI, Sayed Ahmed- 1960: 8/24
 MARG, Elwin- 1959: 2/11, 5/5
 MARGOLIS, Julius- 1959: 6/9
 MARIC- 1959: 4/27
 MARICLE, Clyde and Adelaide- 1960: 7/24
 MARINOVITCH- 1959: 10/31
 MARK, Hans- 1959: 7/16
 MARK, Hermann- 1958: 10/5
 MARKEY, Chris- 1958: 10/18
 MARKOWITZ, Samuel S.- 1958: 8/21, 9/25, 10/2, 11/6, 11/13, 12/4; 1959: 7/10,
 8/6, 9/27
 MARKS- 1959: 11/24
 MARKUSHEVICH, Aleksei- 1958: 12/6
 MARLER, Peter- 1959: 4/7
 MARSH, Gerald E.- 1958: 9/15, 11/26, 12/17; 1959: 3/8; 1960: 10/4
 MARSH, Jack- 1960: 11/28
 MARSHALEK, Eugene Richard- 1959: 8/6
 MARSHALL- 1958: 11/6
 MARSHALL, John- 1959: 5/27, 6/9
 MARSHALL, Larry- 1958: 10/14; 1959: 4/30, 10/15
 MARSHALL, W. L.- 1958: 10/8
 MARSTON, Mike- 1959: 5/8, 5/21
 MARTIN, Dick- 1959: 9/27
 MARTIN, James C.- 1958: 12/15; 1959: 3/29, 4/13, 4/22, 5/27
 MARTIN, Kendra- 1960: 6/2
 MARTIN, Mario E.- 1960: 12/7
 MARTIN, R. B.- 1958: 10/7
 MARTINSON, Bob- 1959: 3/13, 3/25
 MARX, Wolfgang L.- 1958: 12/16
 MASLENIKOV, Alexander- 1960: 6/6
 MASLENIKOV, Oleg A.- 1958: 12/10; 1959: 10/27
 MASON, Herbert L.- 1959: 12/7
 MASON, Philip- 1959: 2/4
 MASLACH, George- 1960: 6/6, 6/7
 MASSIP, Salvador- 1958: 9/22
 MASTERS, Alfred R.- 1958: 11/19, 12/19
 MATEOS, Adolfo Lopez- 1960: 9/21
 MATHER, Kirtley F.- 1959: 2/2
 MATHESON, Olin- 1959: 6/12
 MATTHIAS, Bernd T. - 1959: 4/16, 4/27
 MATSON, Wallace- 1959: 5/4
 MAUCLAN, Errol W.- 1958: 8/8, 8/19, 8/20, 8/26, 8/27, 8/28, 9/13, 9/15, 9/16,
 9/23, 9/30, 10/1, 10/13, 10/14, 10/21, 10/24, 10/28, 11/4, 11/5, 11/11,
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 2/25, 2/26, 3/3, 3/10, 3/12, 3/13, 3/14, 3/17, 3/24, 3/25, 3/28, 3/30,

MAUCLAN, Errol W. (continued)- 1959: 3/31, 4/1, 4/6, 4/7, 4/8, 4/14, 4/24,
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 12/13, 12/21, 12/22; 1961: 1/11
 MAXWELL, Ian Robert- 1958: 10/21
 MAY, Henry F.- 1959: 4/22
 MAYER, Maria Goeppert- 1959: 4/27
 MAYHEW, Clarence- 1960: 11/17
 MAYS, Willie- 1960: 8/27
 MAZIA, Daniel- 1958: 12/4; 1959: 1/22, 4/22, 5/4, 5/8, 6/9, 6/12, 6/22, m 6/24,
 6/26, 8/3, 11/12; 1960: 3/1, 3/9, 4/6, 4/20, 4/27, 5/2, 6/2, 11/21
 MAZZERA, Lloyd- 1960: 2/4
 MEADOWCROFT, Bob- 1959: 2/26
 MEADOWS, Sue- 1959: 2/26
 MEAGHER, Ralph E.- 1959: 9/16
 MECHLING, Thomas- 1958: 9/7
 MEDI, Enrico- 1959: 2/6
 MEDSKER, Leland L.- 1959: 6/8, 10/1, 11/4, 11/19
 MEDVEDEV, Y. T.- 1960: 1/20, 2/16
 MEEK, Ollie J.- 1959: 5/8
 MEHREN, George L.- 1959: 2/21, 3/14, 6/1, 6/26, 7/29, 10/1, 11/30; 1960: 8/9
 MEIN, William W.- 1959: 5/7
 MEINKE, Wayne- 1961: 1/25
 MEIRS, Leon- 1959: 9/1
 MEISTER, Herm- 1960: 5/9
 MEITNER, Lise- 1959: 2/1, 2/2
 MEL- 1959: 3/7
 MEL, Howard- 1958: 12/3
 MELSON, C. L.- 1960: 9/17
 MENDELEEV, Dmitri Ivanovich- 1958: 9/10; 1959: 4/7, 4/30, 5/7, 8/31, 9/8,
 9/21, 9/27, 10/1, 10/5, 10/12
 MENESINI, Mario- 1960: 4/2
 MENZEL, Donald H.- 1958: 10/5, 10/6; 1959: 1/27
 MERCHANT, William- 1959: 1/22, 2/20, 3/13, 4/16, 4/17, 5/15, 6/19, 10/11,
 10/23; 1960: 1/21, 2/18, 6/17
 MERIAM, James L.- 1959: 1/16, 3/12, 3/31, 5/8, 7/29, 10/1; 1960: 2/5; 1961:
 1/11
 MERIAM, Lathe- 1959: 5/5; 1960: 2/11
 MERIKOSKI, Veli- 1958: 9/22
 MERKLE, Ted- 1958: 7/1, 7/3, 8/31, 9/30, 12/3, 12/22; 1959: 4/22
 MERKT, Gale- 1960: 5/25
 MERRILL, Irving- 1960: 2/29
 MERRILL, Malcolm- 1959: 2/9, 3/26, 3/27, 4/3, 4/7
 MERRITT, LeRoy C.- 1959: 4/6; 1960: 9/7
 MESELSON, Matthew- 1959: 9/30, 11/23; 1960: 2/11
 METCALF, Robert- 1960: 1/27
 METROPOLIS, Nicholas- 1959: 6/3, 6/22, 8/10, 8/11, 8/12, 8/19, 8/24, 9/20,
 10/26, 12/19; 1960: 4/11, 6/14, 6/15, 8/5, 8/18, 8/23, 8/30, 9/1, 10/12
 METTGER, Philip- 1959: 6/26
 METTLER, Rube- 1959: 6/17
 MEYER, Albert- 1959: 1/27
 MEYER, Richard A.- 1958: 9/25, 10/2, 11/13
 MEYER, W. C. (Captain)- 1959: 9/29, 10/5; 1960- 2/4, 9/21

MEYERS, Judy- 1958: 8/20
 MEYNER, Robert- 1960: 2/25
 MIALLOVICH, Bob- 1959: 3/2, 6/9
 MICHAEL, Lloyd S.- 1959: 1/24, 9/12; 1960: 2/13, 10/8
 MICHAEL, Walter- 1960: 12/23
 MICHAELIS, John U.- 1960: 10/25
 MICHEL, Helen V.- 1958: 9/25, 10/2, 11/6, 11/13, 12/4; 1959: 9/27
 MICHEL, Maynard C.- 1958: 8/20, 9/25, 10/2, 11/13, 12/4; 1959: 8/6, 9/27, 11/24
 MICHELSON, Herb- 1960: 8/19
 MIDDLETON, John- 1959: 2/20; 1960: 5/23
 MIDDLETON, Troy L.- 1959: 10/27
 MIKHAILOV- 1959- 10/27
 MILAM, Bob- 1960: 10/26
 MILCZEWSKI, Marion A.- 1959: 3/24, 4/7, 4/11, 4/13, 5/7, 5/20
 MILES, Francis T. 1960: 8/4
 MILES, Josephine- 1959: 2/24, 11/3, 12/9; 1960: 4/4
 MILLAR, Russell- 1958: 12/23; 1959: 1/13, 1/19, 3/13, 5/15, 9/1
 MILLER, Bob & Betty- 1958: 8/24
 MILLER, Byron S.- 1960: 8/4
 MILLER, D. R.- 1959: 12/16
 MILLER, Daniel- 1958: 10/7; 1961: 1/18
 MILLER, Donald J.- 1959: 4/13
 MILLER, Frank W., Jr.- 1959: 3/10, 5/11; 1960: 3/2, 8/17, 11/12; 1961: 1/10
 MILLER, George, Jr.- 1959: 3/31, 10/23, 10/31; 1960: 3/8, 1961: 1/5
 MILLER, H. Aiden- 1959: 3/17, 4/1, 4/7, 4/8, 4/14, 4/22, 4/23, 5/20, 5/26,
 6/2, 6/10; 1960: 3/29, 4/7, 5/7, 5/9, 5/12, 5/13, 6/10, 6/30, 7/29, 8/16,
 8/19, 10/9, 10/28
 MILLER, James M.- 1958: 11/12, 11/22; 1959: 1/19, 2/9, 2/19, 2/20, 3/13, 4/7,
 5/15, 6/18, 6/19, 6/23, 9/17, 9/18, 10/23, 12/11; 1960: 1/22, 8/26
 MILLER, Judith- 1960: 6/9
 MILLER, Margarette S.- 1959: 4/23
 MILLER, Ralfe D.- 1959: 3/14, 4/10, 4/13, 6/26; 1960: 6/1
 MILLER, Robert C.- 1959: 8/31
 MILLER, Robert Watt- 1959: 5/7
 MILLER, Wayne- 1961: 1/5
 MILLIGAN, W. O.- 1958: 8/17, 11/6, 11/17, 12/22; 1959: 4/28, 5/1, 5/2, 7/16,
 9/13, 11/14, 11/15, 11/23, 11/24; 1960: 5/21, 9/11, 11/10
 MILLIKEN, Clark B.- 1959: 8/20, 8/31
 MILLIS, Walter- 1960: 12/9
 MILLS, Paul C.- 1959: 10/24
 MILLS, Polly (Mrs. Mark)- 1958: 8/22
 MILONO, Germano- 1960: 4/7
 MILSTED, John- 1958: 10/8
 MINER, George- 1959: 5/21
 MITCHELL, Charlotte- 1960: 6/9
 MITCHELL, Gertrude- 1959: 4/22
 MITCHELL, James M.- 1958- 10/5; 1959: 4/20, 12/9
 MITCHELL, James P.- 1960: 1/30, 2/1, 2/25, 6/1
 MITCHELL, Lawrence- 1960: 1/20, 4/22
 MITCHELL, Lucy Sprague- 1958: 9/29
 MITCHELL, Mary Ann- 1960: 6/6
 MITCHELL, Maurice- 1960: 4/27, 5/6
 MITCHELL, Vance F.- 1960: 9/21
 MITTLER, Abe- 1960: 6/7
 MIXER, Joseph R.- 1959: 6/12, 9/22, 10/3, 12/9, 12/23; 1960: 2/16, 3/8, 5/18,
 6/29, 8/8, 9/26

MODANSKI- 1959: 3/31
 MOE, Lawrence H.- 1959: 10/11, 10/27; 1960: 6/2, 6/5
 MOELLER, (Fire Chief)- 1960: 12/8
 MOISIL, Grigore- 1960: 8/31
 MOLDENSCHARDT, W. C.- 1960: 2/4
 MOLITOR, Hans- 1959: 2/24
 MOLLENAUER, James F.- 1958: 10/2, 11/6, 11/13; 1959: 9/27; 1960: 8/31
 MOLNAR, Julius P.- 1959: 10/20
 MOLOE, Ole- 1960: 11/16
 MONAHAN, William W.- 1958: 9/30, 11/19; 1959: 2/11, 5/27, 8/6, . 8/7, 8/17,
 10/15, 10/23; 1960: 1/24, 2/3, 8/8, 9/1
 MONGUIO, Luis- 1960: 10/25
 MONROE, Lynne C.- 1959: 2/4
 MONTEJANO, Rudy- 1958: 10/13; 1959: 3/25
 MONTENOYHL, Victor- 1959: 3/2
 MONTGOMERY, George- 1959: 5/7
 MONTGOMERY, Maribel- 1958: 9/13, 10/13; 1959: 2/16, 3/17, 4/30, 5/7, 5/11,
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 1960: 1/26, 1/29, 3/3, 5/13, 6/9, 6/21, 6/29
 MONTGOMERY, Robert- 1959: 10/31
 MONTI, Steve- 1959: 3/7
 MOONITZ, Maurice- 1958: 10/22, 11/5, 11/12, 11/17, 11/26; 1959: 1/19, 2/4, .
 2/11, 3/10, 3/25, 4/8, 4/22, 4/24, 5/6, 5/20, 6/1, 6/4, 6/23, 6/26, 8/13,
 9/23, 11/4; 1960: 3/9
 MOORE, Charles- 1959: 5/21
 MOORE, Dean- 1958: 11/9
 MOORE, Emmett- 1958- 8/9, 11/24, 11/25
 MOORE, Fred- 1959: 11/20
 MOORE, James- 1960: 3/8
 MOORE, John R.- 1959: 2/27, 4/10, 4/22; 1960: 6/5
 MOORE, Joseph A., Jr.- 1959: 5/7
 MOORE, Marian W.- 1960: 9/29
 MOOSBRUGGER, Ed- 1958: 9/24, 10/2, 10/3
 MORALES, Alfredo- 1960: 11/30, 12/5
 MORBY, Edwin- 1959: 3/19
 MOREHOUSE, Jim- 1959: 9/5
 MORF, Rudolf- 1959: 6/8
 MORGAN, Agnes Fay- 1959: 4/24; 1960: 2/25
 MORGAN, Burrows W.- 1958- 11/17
 MORGAN, Colette- 1958: 9/14, 12/16
 MORGAN, Elmo- 1959: 11/19, 12/8, 12/10, 12/11; 1960: 1/8, 1/20, 1/21, 1/22,
 1/23, 1/29, 2/2, 2/18, 3/25; 4/4, 4/20, 4/27, 6/9, 6/14, 6/17, 7/23, 8/5,
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 12/6, 12/8; 1961: 1/10, 1/12, 1/13
 MORGAN, Gerald D.- 1960: 10/11
 MORGAN, Meredith W., Jr.- 1959: 9/4, 9/23, 11/4, 11/25, 12/16; 1960: 1/6,
 1/27, 2/24, 3/9, 10/4
 MORITA, Tatsuo- 1958: 9/22
 MORLEY, Grace- 1958: 10/24, 10/27, 12/10
 MOROT-SIR, Edouard- 1960: 8/19
 MORRELL, Earl- 1959: 4/28
 MORREY, Charles B.- 1958: 11/12; 1959: 4/15, 10/27; 1960: 2/25
 MORRIS, Allen- 1960: 3/2
 MORRIS, J. C.- 1958: 10/5
 MORRIS, Mary Ann- 1960: 10/10
 MORRIS, Maynard T.- 1958: 8/22, 8/25, 10/29, 11/4, 11/26, 12/16, 12/17; 1959:
 1/22, 2/2, 2/4, 2/7, 2/25, 2/26, 3/12, 3/13, 3/25, 4/8, 5/6, 5/7, 5/27,
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MORRISET, Lloyd- 1959: 5/15, 6/26
 MORRISEY, Joanne- 1959: 5/21
 MORRISON- 1960: 6/14
 MORSE, A. T.- 1959: 2/27, 4/1
 MORSE, Anthony P.- 1960: 11/29
 MORSE, Robert- 1959: 6/7
 MORSE, Samuel- 1959: 8/5, 10/14
 MORTIMER, Robert K.- 1959: 11/12; 1960: 10/10
 MORTON, John R.- 1958: 9/25, 11/6; 1959: 8/6
 MORTON, Paul L.- 1959: 1/14, 3/18; 1960: 1/20
 MORTON, Mrs. Paul L.- 1959: 6/10, 9/11
 MORTON, Thurston- 1960: 1/30
 MOSHER, Samuel B.- 1959: 1/22, 2/20, 3/12, 3/13, 4/17, 5/15, 6/18, 6/19, 7/17, 9/18, 11/20; 1960: 1/22, 6/17, 8/12, 9/22, 12/15
 MOSIER, Richard D.- 1960: 5/2, 9/6
 MOSK, Sanford A.- 1959: 7/29, 8/7, 9/23; 1960: 7/28
 MOSK, Stanley A.- 1959: 2/9, 3/8, 3/14, 3/18, 5/6, 5/11, 5/21, 9/8, 10/26, 11/4
 MOSS, Irving- 1958: 12/1
 MOTHERSHEAD, Maria- 1959: 5/8; 1060: 3/4, 5/25
 MOTTELSON, Ben- 1958: 11/18; 1959: 4/13, 4/22, 4/24, 4/27, 6/19, 6/22, 9/30
 MOULD, Margaret- 1959: 6/1
 MOULTON, James S.- 1959: 2/24, 4/6, 10/24, 11/24, 12/9; 1960: 4/4, 4/14
 MOYER, Burton J.- 1959: 8/12, 12/7; 1960: 6/2, 8/16, 11/21; 1961: 1/23
 MOYER, Charles- 1959: 10/11
 MOYLAN, D. J.- 1960: 6/2
 MOYLAN, Nora- 1959: 1/22
 MOYLES, Edwin- 1959: 9/28
 MOYNIHAN, Bill- 1959: 5/9
 MRAK, Emil M.- 1959: 1/30, 2/27, 8/12, 8/21, 9/17, 9/18, 10/13, 10/16, 10/23, 11/19, 11/20, 11/23, 12/10, 12/11; 1960: 1/20, 2/17, 2/18, 4/20, 4/29, 5/18, 6/4, 6/14, 6/17, 6/18, 6/19, 7/18, 8/11, 9/21, 10/25, 11/16, 11/28
 MUELLER, Coralee (Mrs. Gerhard)- 1959: 3/28, 4/14
 MUGA, M. Luis- 1958: 9/6, 9/7; 1959: 9/27
 MUGFORD, T. H.- 1958: 9/23
 MULCAHEY- 1960: 3/1
 MULFORD, David- 1959: 4/24
 MULFORD, Don (Virginia)- 1959: 2/26, 3/12, 3/13, 3/30, 3/31, 4/6, 4.14, 4/22, 4/24, 6/2, 8/21, 10/1, 10/12, 11/12, 12/3; 1960: 1/12, 1/21, 2/2, 2/8, 5/16, 10/9, 11/26, 12/6
 MULL, Archibald M., Jr.- 1959: 5/26, 7/30, 8/9; 1960: 3/1, 3/25, 9/14, 9/26, 10/19
 MULLER, Harold P. "Brick"- 1959: 8/7
 MULLER, Hermann Joseph- 1958: 9/10
 MULLIN, Jess- 1960: 8/8
 MULLIN, Linda- 1960: 6/9
 MULVANEY, Robert F.- 1958: 10/26; 1959: 2/11, 2/21, 4/14, 8/7
 MUNDELL, Norman M.- 1958: 12/4, 12/15, 12/23; 1959: 2/4, 2/20, 2/25, 3/23, 3/25, 4/8, 5/6, 5/27, 9/23, 10/14, 10/15, 11/4, 11/25, 12/16, 12/17; 1960: 1/6, 1/27, 2/24, 3/9, 8/23, 9/6, 10/26
 MUNFORD, David C.- 1958: 11/19; 1959: 4/9, 4/20, 4/30, 5/21, 9/2, 9/19; 1960: 4/8, 5/23
 MURDOCK, Margaret- 1959: 6/26, 7/29
 MURDY, John A., Jr.- 1959: 10/31
 MURGULESCU, I. G.- 1960: 8/31
 MURPHY, Chet- 1958: 11/15; 1960: 1/6

MURPHY, Franklin- 1960: 4/20, 6/17, 8/11, 8/23, 9/1, 9/6, 9/14, 9/15, 9/16,
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 11/4, 11/16, 11/23, 12/5, 12/6, 12/21; 1961: 1/5, 1/14
 MURPHY, James K.- 1960: 12/21
 MURPHY, S. A.- 1959: 5/12
 MURRAY, Thomas E.- 1960: 12/8
 MURPHY, Walter J.- 1959: 2/24
 MURTAGH, Robert- 1959: 9/11, 11/11; 1960: 3/18
 MUSCATINE, Charles- 1960: 8/29, 10/25
 MUSKHELISHVILI, Nikolai Ivanovich- 1960: 8/3
 MUSSSEN, Paul H.- 1959: 4/22, 5/21, 7/30, 8/3, 8/5
 MUSSER, S. A.- 1960: 1/8
 MUSTIN, Lloyd M. (Rear Admiral)- 1960: 2/14
 MUTCHMORE, Donald- 1958: 11/20; 1959: 1/6, 2/20, 3/17
 MYERS, Rollie, J.- 1959: 2/3, 2/6, 5/20
 MYRDAL, Gunnar- 1958: 11/21

McABEER, Winifred- 1960: 8/30
 McALPINE, Ken- 1961: 1/6, 1/10
 McARBLE, Mark- 1959: 6/10
 McATEER, J. Eugene- 1958: 5/21, 8/29, 10/29, 10/27, 10/31; 1960: 1/11, 1/21
 McBAIN, Jane Neylan- 1960: 8/22
 McBAINE, James Patterson- 1959: 10/24
 McBRIDE, James- 1959: 10/31
 McCAFFREY, Stanley E. (Beth)- 1958: 8/22, 9/22, 9/30, 10/17, 10/18, 11/3,
 11/20, 12/8, 12/11, 12/15, 12/21, 12/22; 1959: 1/22, 2/3, 2/7, 2/19, 2/20,
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 McCALL, Abner V.- 1959: 10/27
 McCANN, S. G.- 1960: 12/6; 1961: 1/30
 McCARTHY, Casey- 1960: 6/9
 McCARTHY, Francis T.- 1959: 9/27
 McCARTHY, Frank- 1960: 6/8
 McCARTHY, John- 1959: 10/31
 McCARTHY, Joe- 1960: 11/20
 McCARTHY, Joseph L.- 1958: 12/16
 McCARTY, Elliott- 1959: 3/27; 1960: 2/2
 McCLEARN, Gerald E.- 1959: 4/7, 5/20; 1960: 10/3
 McCLELLAN, Aubrey- 1960: 10/20
 McClINTOCK, Bill- 1959: 3/14
 McClISH, Lucille- 1960: 6/9
 McCLOSKEY, Herbert- 1960: 12/13, 12/14
 McCLOY, John- 1960: 3/11, 3/28, 4/27, 5/6
 McCONE, John- 1958: 9/9, 9/15, 9/20, 10/3, 10/24, 10/26, 10/26, 12/11, 12/17,
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 McCONNELL- 1959: 12/8
 McCONNELL, John- 1958: 9/7, 9/8, 9/9, 9/21; 1960: 1/28
 McCONNELL, Margaret D.- 1960: 3/30, 4/11, 8/17, 8/22, 9/6, 10/10, 10/14,
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 McCONNELL, Thomas R.- 1958: 11/10, 12/4; 1959: 3/14, 3/18, 4/24, 5/20, 5/21,
 5/27, 6/20; 1960: 8/30

McCOOL, Woodford- 1959: 11/12, 11/17
 McCORD, Joe- 1959: 3/16, 9/30
 McCORMACK, James- 1959: 12/9
 McCORMACK, Peter- 1959: 2/9, 5/12
 McCORMACK, William- 1960: 8/8
 McCOWN, Theodore D.- 1958: 11/5, 11/12; 1959: 4/14, 5/22; 1960: 1/14, 1/23,
 6/14, 9/30, 12/27
 McCOY, Paul- 1959: 5/28
 McCRACKEN, Marcia- 1960: 3/10
 McCRAE, D. J.- 1958: 9/25
 McCRAY, James A.- 1960: 11/2
 McCREADY, Thurlo- 1959: 3/15
 McCUE, Gerald M.- 1959: 9/3
 McCULLOCH, Frank- 1960: 11/22
 McCULLOUGH, James- 1958: 9/26; 1959: 3/3
 McCUNE, Francis K.- 1959: 9/10
 McDANIEL, Paul W.- 1958: 9/9, 11/3, 11/6; 1960: 6/8; 1961: 1/18
 McDERMOTT, W.- 1960: 12/20
 McDILL, Mrs. John H. - 1960: 2/5
 McDUFFIE, H. F.- 1958: 10/8
 McDUFFIE, Mason- 1959: 8/31
 McELROY, Neil Holser- 1958: 12/24; 1959: 9/8
 McELVY- 1959: 12/10; 1960: 1/21
 McENERNEY, Garrett William- 1958: 10/1; 1959: 7/31, 10/11, 10/13
 McENTIRE, Davis- 1958: 12/22; 1959: 3/18
 McFARLAND- 1959: 6/26
 McFARLAND, Gerald- 1960: 5/25, 6/11
 McGAUGHEY, Percy H.- 1959: 3/9, 3/19, 3/24, 3/31, 4/7, 5/20, 6/26, 10/1;
 1960: 8/30, 8/31, 10/10
 McGINLEY, Janet- 1959: 6/26; 1960: 5/25
 McGONAGH, Dextra Baldwin- 1960: 11/29
 McGUFFEY, Eleanor- 1959: 3/3, 3/11
 McHENRY, Dean- 1958: 8/6, 8/20; 1959: 5/15, 6/4, 6/26, 10/24, 12/10; 1960:
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 McHUGH, Douglas- 1959: 9/27
 McINTOSH, Millicent C- 1960: 12/1
 McKAY, H. A. C.- 1958: 9/5
 McKEE, John P.- 1960: 10/3
 McKEEVER, Mike- 1959: 10/31, 11/1, 11/3, 11/4, 11/5; 1960: 9/14
 McKERNAN, Donald- 1960: 8/2
 McKINNEY, Robert- 1960: 12/8; 1961: 1/9
 McLAREN, A. Douglas- 1960: 11/29
 McLAREN, Loyal- 1959: 5/2, 6/3, 11/30
 McLAUGHLIN, Donald H.- 1958: 8/15, 8/29, 9/19, 9/26, 9/29, 10/1, 11/3, 11/6,
 11/22, 12/2, 12/9, 12/22; 1959: 1/16, 1/21, 1/22, 1/30, 2/4, 2/16, 2/19,
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 9/22, 10/13, 11/3, 11/13, 11/17
 McLAUGHLIN, R. B. (Captain)- 1959: 3/10
 McLAUGHLIN, Ralph D.- 1958: 9/25, 11/6; 1959: 9/27
 McLAUGHLIN, Sylvia (Mrs. Donald H.)- 1959: 2/21, 10/17; 1960: 3/18
 McLEAN, Lee- 1959: 12/23; 1960: 1/20, 3/7, 3/8, 5/18, 5/26, 8/17, 8/23, 9/1,
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McMILLAN, Edwin M.- 1958: 7/25, 8/20, 8/29, 8/30, 8/31, 9/2, 9/13, 9/15,
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 1961: 1/5, 1/9, 1/25, 1/27
 McMILLAN, Elsie (Mrs. Edwin M.)- 1958: 11/25
 McMURRAY, Margaret- 1959: 6/26
 McNALLY, Thomas C. 1958: 11/4, 12/8
 McNAMARA, Robert S.- 1960: 12/14; 1961: 1/19, 1/20
 McPEAK, Bill- 1959: 3/23, 11/12
 McPHAIL, Buck- 1959: 10/13
 McRAE, James W.- 1959: 9/15, 9/16, 10/20
 McRITCHIE, William A.- 1959: 9/11, 11/11; 1960: 3/18; 1961: 1/17
 McWHAN, Denis B.- 1958: 9/25, 10/2, 11/6, 11/13; 1959: 9/27
 McWHORTER, Charles K.- 1959: 5/7, 5/11, 5/12
 McWILLIAMS, **Kay or Kerry**- 1959: 3/13, 3/25

 NAFFZIGER, Howard C.- 1958: 11/20; 1959: 1/22, 2/19, 2/20, 3/14, 5/7, 5/14,
 5/15, 6/18, 6/19, 9/17, 9/18, 10/11, 11/19, 11/20, 12/11; 1960: 1/21,
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 NAGHDI, Paul- 1960: 6/6, 6/7
 NAGY, Miklos- 1958: 12/25
 NAHAS, Robert T.- 1960: 2/19
 NAHM, Helen- 1958: 12/23, 1959: 10/5, 11/11
 NAIM, Linda- 1961: 1/11
 NAITO, Keiji- 1958: 7/10; 1959: 9/19
 NAITO, Shozen- 1959: 6/3, 9/19
 NAKAMURA, Noburu- 1959: 12/23
 NAKANO, Evelyn- 1960: 6/6
 NARASIMHIAH, R. 1959: 3/10
 NASH, Leonard- 1959: 10/20, 11/15, 12/7; 1960: 1/9
 NASH, Norris- 1960: 3/29, 5/6, 5/18, 5/26, 6/17, 9/1, 9/27, 11/17, 12/6
 NATER- 1959: 4/28
 NAUGHTEN, F. G.- 1959: 4/20
 NAUGHTON, John J.- 1959: 8/27
 NAVARRO, Quirino- 1958: 9/25, 10/2, 11/6, 11/13
 NEBERA, Vladimir- 1960: 10/24
 NEDDERSEN, R. H.- 1959: 11/20, 12/10, 12/11; 1960: 1/21, 1/22, 4/27, 12/21
 NEEDHAM, P. R.- 1959: 8/3; 1960: 4/20
 NEHER, H. V.- 1960: 10/12
 NEELY, Betty H.- 1959: 7/29
 NEHLS, Bruce- 1958: 10/1; 1959: 5/12
 NELSON, Delmar L.- 1960: 10/22
 NELSON, Henry- 1960: 10/25
 NELSON, John, Jr.- 1959: 5/20
 NELSON, Lucretia- 1959: 9/24, 12/8
 NELSON, Thomas L.- 1959: 10/12
 NERVIK, W. E.- 1959: 8/29
 NESMEYANOV, Aleksandr N.- 1958: 7/1, 8/27, 9/9, 10/21, 11/7, 11/18, 12/2;
 1959: 4/20, 9/2, 9/3, 9/19
 NEURATH, Hans- 1958: 10/15, 12/16
 NEW, Betty- 1958: 7/24, 8/10
 NEWBURN, Harry K.- 1958: 7/8; 1959: 2/21, 2/25, 3/3, 3/11, 11/9; 1960: 3/28

NEWBY, N.- 1959: 9/27
 NEWEFF, Ken- 1958: 8/3
 NEWELL, A.- 1960: 10/9
 NEWELL, Homer- 1959: 5/1, 5/9
 NEWELL, Pat- 1959: 3/7, 4/22; 1960: 5/25
 NEWELL, Pete- 1959: 3/7, 3/13, 3/21, 3/23, 3/24, 3/25, 3/31, 4/10, 4/30, 5/24,
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 NEWELL, Robert- 1958: 7/2; 1960: 8/16
 NEWHALL, Scott- 1959: 8/18, 9/2; 1960: 12/13
 NEWLIN, Philip- 1960: 8/30
 NEWMAN, (Mrs.)- 1960: 6/9
 NEWMAN, Frank C.- 1958: 10/28, 12/11; 1959: 2/13, 2/16, 4/2, 5/21, 5/25, 12/8;
 1960: 1/20, 1/23, 5/7, 6/6, 7/27
 NEWSOM, Carol L.- 1959: 2/12
 NEWTON, Amos S.- 1959: 9/27
 NEYLAN, Gertrude- 1960: 8/22
 NEYLAN, John Francis- 1958: 11/20, 12/1, 12/11; 1959: 2/12, 2/18, 2/20, 2/27,
 3/10, 11/21; 1960: 1/20, 3/4, 8/22, 9/23
 NEYMAN, Jerzy- 1958: 7/31; 1959: 2/24, 5/20, 6/1, 7/10, 8/11, 12/8; 1960: 10/28
 NICHOLS, Thomas S.- 1959: 9/10
 NICHOLS, Ambrose- 1956: 11/6
 NICHOLS, Donald P.- 1960: 2/11
 NICHOLS, Roy- 1959: 3/30
 NICHOLSON, Margaret- 1960: 3/3, 4/2
 NIDAY, J. B.- 1959: 8/29
 NIEC, C. J.- 1959: 10/27
 NIEMAN, Carl- 1959: 12/4; 1960: 1/9
 NIER, Alfred O.- 1959: 1/29, 3/2
 NIERENBERG, William A.- 1958: 8/7, 9/22, 11/6, 11/7, 11/24; 1959: 1/29, 4/22,
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 NIMITZ, Chester W. (Admiral)- 1959: 10/12; 1960: 2/24, 5/4
 NIN-CULMELL, Joaquin- 1959: 10/27
 NININGER, Nel- 1959: 11/24
 NIO, A.- 1959: 9/27
 NISBET, Robert- 1959: 2/19, 2/20, 10/24; 1960: 8/11, 11/13
 NISHIMURA, Hideo- 1958: 10/21
 NITZE, Paul- 1961: 1/20
 NIXON, Alan- 1959: 2/18
 NIXON, Richard M.- 1958: 8/6; 1959: 2/19, 3/31, 4/9, 4/14, 4/24, 4/29, 4/30,
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 NKRUMAH, Kwame- 1960: 9/28
 NOBLE, Elmer F.- 1958: 8/13, 10/15, 11/20; 1959: 1/22, 2/18, 2/19, 2/20, 3/13,
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 NOBLE, Lindsay- 1960: 6/8
 NOLAN, Thomas B.- 1960: 1/6, 1/16, 6/28
 NONFELD, Edward- 1959: 10/11
 NORBERG, Kenneth- 1958: 12/18, 12/23; 1960: 2/3
 NORDLY, Carl L. (Muriel)- 1958: 7/29, 8/7, 8/19, 8/23, 8/29, 9/15, 10/27,
 10/28, 11/15, 11/24, 12/2; 1959: 1/12, 2/12, 2/21, 3/20, 3/26, 4/7, 4/9,
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 NORDLY, Muriel (Mrs. Carl L.)- 1959: 5/19; 1960: 3/31

NORTHROP, John H.- 1958: 10/2; 1959: 4/17; 1960: 3/31
NORTON, Bill- 1959: 7/29
NORTON, Hal- 1958: 9/30, 5/8; 1959: 11/24
NOSS, Gary- 1959: 5/27
NOYCE, Donald S.- 1959: 3/18, 4/22, 5/20
NOYES, William A., Jr.- 1960: 10/7
NUTTING, Anthony- 1958: 10/1

OAKES, R. E.- 1959: 2/27, 4/1
OAKLEY, Bill- 1959: 12/17; 1960: 11/1
OBERHOLTZER, Kenneth E.- 1959: 1/24, 9/12, 12/14; 1960: 2/13
O'BRIEN, J. E.- 1960: 6/14, 12/7
O'BRIEN, Jack- 1961: 1/10
O'BRIEN, Morrrough P.- 1958: 8/7, 8/8, 8/22, 9/13, 9/15, 9/16, 9/22, 10/1,
10/17, 10/20, 10/22, 10/30, 11/10, 11/11; 1959: 1/13, 2/11, 3/3, 3/9,
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O'CONNOR, Rod- 1958: 12/15
ODAKA- 1958: 11/1
O'DAY, Robert- 1959: 4/9, 6/26
ODEGAARD, Charles- 1958: 7/2, 7/31, 11/10, 11/15; 1959: 2/12, 3/1, 3/14, 6/2,
6/22, 7/31, 11/5; 1961: 1/5
ODEGARD, Peter- 1959: 3/8, 11/11, 11/12; 1960: 10/4
ODERMATT, Robert- 1959: 4/22
ODETS, Clifford- 1960: 6/9
O'DONNELL, Ashton J.- 1960: 1/26
OEHSER, Paul H.- 1959: 7/20
OGORODITSKII, Nikolay B.- 1959: 2/2
O'GRADY, Jane- 1960: 10/11
OHNUMUS, Arthur A.- 1959: 5/12, 5/13
OHTSUKA, Hiroshi- 1959: 12/8
O'KELLEY, G. Davis- 1958: 9/25, 10/7, 10/8
OKEY, Ruth- 1959: 3/18, 5/11, 5/22, 6/24; 1960: 2/25
O'KONSKI, Chester- 1959: 4/30, 10/27; 1960: 7/28
OLCOTT, Harold S.- 1959: 1/30, 2/27, 3/10
OLIN, John- 1959: 9/4, 9/10; 1960: 3/18
OLOVSSON, Olov Ivar Göte- 1958: 11/13
OLSEN, Donald- 1959: 12/3; 1960: 10/10
OLSON, Bill- 1960: 8/19
OLSON, E. L.- 1959: 5/4
OLSON, Everett- 1959: 3/31
OLSON, Gus- 1958: 11/20; 1959: 1/22, 2/19, 2/20, 3/12, 3/13, 4/16, 4/17, 5/14,
6/18, 6/19, 9/18, 10/23, 11/20, 12/11; 1960: 1/21, 1/22, 2/19
OLSON, Hannah (Mrs. Axel R.)- 1960: 8/19
OLSON, John- 1959: 6/11, 6/26; 1960: 6/6
OLSON, Loren- 1961: 1/31
OLSON, Pete- 1960: 8/19
O'MEARA, Francis R.- 1958: 9/30
O'NEILL, Edwin- 1959: 6/10; 1960: 3/1
O'NEILL, Marcia- 1959: 5/5
O'NEILL, Roxie- 1959: 4/6
OPARIN, 1959: 4/14
OPPENHEIM, Antoni- 1959: 3/14, 6/24, 9/22, 9/28, 10/13; 1960: 6/6, 6/7, 6/14,
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OPPENHEIMER, Robert- 1959: 5/1
ORGEL, Stephen- 1960: 10/10
ORLEMANN, Edwin F.- 1958: 12/23; 1959: 6/24

ORLEN, Joel- 1959: 7/10
 ORMAN, Charles- 1959: 4/22
 ORME, Maynard- 1959: 1/6
 ORROM- 1959: 10/14
 ORSER, Bob- 1959: 3/27
 ORTH, C. J.- 1959: 8/29
 OSBORNE- 1959: 9/10
 OSBORNE, Robert L.- 1960: 2/19
 OSMAN, W. A.- 1958: 10/2
 OSMUNDSEN, John- 1958: 8/8; 1959: 9/11
 OSTROFF, Anthony J.- 1960: 10/10
 O'SULLIVAN, Virgil- 1959: 10/31
 OSWALD, John W.- 1958: 7/28, 8/6, 8/8, 8/19, 8/29, 9/13, 9/15, 11/11, 11/20;
 1959: 1/22, 2/11, 2/18, 2/19, 2/20, 3/7, 3/9, 3/12, 3/13, 3/26, 4/16,
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 OTSUKA, Setuji- 1960: 9/30
 OVERSTREET, Roy- 1960: 9/27
 OWEN, Akiko- 1960: 9/27, 10/3, 10/10, 10/11, 10/18, 10/24, 12/16
 OWENS, C. E.- 1958: 11/20
 OWINGS, Nat- 1959: 6/10; 1960: 5/31, 6/21
 OZAWA, Asaichiro- 1959: 5/8

PACE, Frank- 1959: 3/13
 PACE, Nello- 1958: 9/30, 10/27, 11/11, 12/6; 1959: 3/13, 3/14, 3/28, 4/22,
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 11/12, 11/30; 1960: 1/8, 1/23, 2/8, 2/11, 4/4, 9/15
 PACE, Steve- 1960: 5/8, 5/9, 5/10, 12/8
 PACKARD- 1959: 2/7, 3/24, 4/1
 PACKARD, David- 1958: 8/15, 12/11
 PACKER, Jim- 1959: 2/26
 PADILLA, John R.- 1959: 9/27
 PAFFENBARGER, Ralph- 1960: 10/27
 PAGE- 1959: 3/8
 PAGLIN, Morton- 1960: 4/14
 PAIGE, Mary- 1960: 2/10, 4/14
 PAIS, Abraham- 1959: 8/27
 PALFREY, John G.- 1960: 12/1
 PALMER, Frank- 1960: 11/21
 PALMER, Kenneth family- 1960: 5/11
 PALMER, Ralph L.- 1959: 9/16
 PANETH, F. A.- 1959: 2/1
 PANIZZA, Letizia- 1961: 1/5
 PANOFSKY, Wolfgang "Pief"- 1959: 8/7, 9/30, 10/20; 1960: 1/18, 2/13, 4/19,
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 PANSCHAR, William G. 1958: 12/22
 PAPANDREOU, Andreas G.- 1958: 11/18, 12/23; 1959: 1/22, 2/3, 2/10, 2/21, 3/14,
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 PAPENFUSS, George F.- 1958: 12/4, 1959: 1/20, 2/5, 2/13, 2/16, 3/11, 4/30,
 5/20, 5/21, 5/27, 6/9, 6/23, 6/26, 10/28; 1960: 4/20
 PAPPAS, George- 1959: 9/30
 PARDEE, Arthur B.- 1959: 2/3, 5/8, 5/13, 10/27, 12/7; 1960: 9/28, 10/12,
 10/26, 11/23; 1961: 1/4
 PARENT, (Monsignor)- 1958: 9/22
 PARIKH, Gunvantrai Ganpaltah- 1959: 3/10

PARIKH, Ramal- 1959: 3/10
 PARISH, Jim- 1959: 2/26
 PARISH, Patty- 1959: 9/30
 PARK, Henry- 1959: 2/13, 10/28
 PARK, Dick- 1959: 2/12, 3/8
 PARKER, Bill- 1959: 4/28
 PARKER, Cecil- 1959: 5/8, 5/21, 6/22, 12/4; 1960: 1/9, 2/5, 5/5, 8/16
 PARKER, Earl R.- 1958: 7/14; 1959: 1/15, 1/16, 2/20, 2/25, 3/2, 3/3, 3/9,
 3/13, 3/14, 3/24, 4/6, 4/22, 5/21, 6/9, 9/1, 9/19, 9/21, 9/23, 10/1,
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 PARKER, George W.- 1958: 10/8
 PARKINSON, C. Northcote- 1958: 10/1, 11/10; 1959: 2/24, 3/20, 9/10; 1960: 1/26
 PARKINSON, Thomas F.- 1960: 11/23, 1961: 1/22
 PARNAY- 1958: 12/23
 PARQUE, Larry- 1959: 10/3
 PARRISH, Clyde- 1960: 4/2
 PARRY, W. J.- 1958: 8/9
 PARSONS, James J.- 1959: 8/6, 1960: 12/14
 PARSONS, Neil- 1959: 5/21
 PARSONS, Thomas C.- 1958: 10/9, 11/4, 11/6; 1959: 3/2, 4/10, 8/7, 8/31, 9/27
 PASCAL, P. 1960: 11/21
 PASK, Joseph A. (Margaret)- 1959: 1/16, 3/24, 3/31, 4/8, 7/30, 10/1, 10/2;
 1960: 1/20
 PASTORE, John O.- 1961: 1/18
 PATE, Brian- 1958: 8/21
 PATE, Randolph McCall- 1958: 9/23
 PATRIDES, Constantine A.- 1960: 5/4
 PATTERSON, Floyd- 1959: 6/26
 PATTERSON, John H. II- 1961: 1/4
 PATZELT, Rupert- 1958: 7/10
 PAUKER, Guy- 1959: 3/8
 PAUL, Pauline C.- 1960: 11/13
 PAULEY, Bobbe (Mrs. Edwin W.)- 1959: 4/15, 4/17, 8/26
 PAULEY, Edwin W.- 1958: 8/14, 8/15, 8/19, 9/15, 9/25, 9/26, 10/16, 11/3, 11/6,
 11/11, 11/20, 11/21, 12/8, 12/11, 12/17, 12/18, 12/19, 12/22; 1959: 1/5,
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 PAULEY, Susan- 1959: 12/21
 PAULING, Linus- 1958: 10/5; 1959: 2/25, 2/26; 1960: 12/5
 PEARSON, Erman A.- 1959: 5/20
 PEARSON, Paul- 1959: 5/5, 11/12; 1961: 1/4
 PECK, Marlene- 1959: 3/25
 PEEBLES, Dave- 1959: 5/7
 PEERY, Anna Mary- 1959: 9/11
 PEERY, Earl- 1959: 8/23; 1960: 9/28
 PEERY, Luthur C.- 1959: 4/13
 PEERY, Tom- 1958: 11/1; 1959: 5/23
 PEMANTLE, Oscar- 1959: 2/18, 3/9, 4/23
 PENDRAY, Trevor- 1959: 12/7; 1960- 10/20
 PENNEMAN, Robert A.- 1959: 3/2; 1960: 11/21

PENZIEN, Joseph- 1959: 4/13
 PEPPER, Stephen C.- 1958: 12/10; 1959: 3/24, 8/3, 10/13, 10/24, 12/16; 1960:
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 PEREIRA, William L.- 1959: 11/20; 1960: 12/21
 PEREZ-MENDEZ, Victor- 1959: 8/28
 PERFILOV, N. A.- 1958: 7/1, 8/21
 PERKINS, Dexter- 1959: 3/23
 PERLMAN, Alice- 1960: 5/27
 PERLMAN, David- 1960: 1/11, 3/6, 3/8, 3/19, 11/22, 12/13, 12/14
 PERLMAN, Isadore (Alice)- 1958: 7/3, 7/10, 7/15, 8/4, 8/6, 8/7, 8/8, 8/19,
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 12/1; 1961: 1/24
 PERLMAN, Judith- 1958: 11/7
 PERLMAN, Lee (Mrs. Isadore)- 1960: 5/12, 9/27, 10/12
 PERNELL, Corinne- 1960: 9/27
 PERRIN, Francis- 1958: 9/1
 PERRY, Lewis P.- 1959: 1/5, 1/6, 1/22, 4/14, 7/30, 7/31, 10/14, 10/15;
 1960: 4/20, 4/27, 6/17
 PERRY, W. C.- 1959: 3/23, 3/15, 5/4
 PERSONS, Wilton Burton- 1961: 1/16
 PERSTEIN, Arnold- 1959: 5/4, 5/5
 PETER, Dick- 1960: 4/27, 6/5, 6/17, 6/29, 10/24
 PETERS- 1959: 5/26
 PETERS, Jackson- 1958: 9/21, 9/25, 10/11
 PETERSEN, T. S.- 1958: 11/17; 1959: 6/3, 11/30
 PETERSEN, Walter- 1958: 11/9
 PETERSON, Clayton- 1960: 10/3
 PETERSON, Elmer R.- 1960: 9/2
 PETERSON, Renee- 1960: 8/30, 10/3
 PETRAKIS, Leonidas- 1958: 10/2, 11/6, 11/13
 PETRAY- 1959: 9/22
 PETRIS, Nicholas C.- 1959: 2/26, 3/12, 3/13
 PETROCELLI, William R.- 1959: 5/7
 PETROVSKI, Ivan- 1958: 9/9, 11/7, 12/1; 1960: 3/9, 8/3
 PETTIT, Charles- 1960: 6/17, 11/19, 12/21
 PETTITT, George A.- 1958: 10/14, 12/5, 12/17, 12/19; 1959: 4/14,
 12/8; 1960: 1/4, 9/22
 PHELAN, James D.- 1959: 7/30
 PHELP, Jack- 1960: 8/8
 PHILLIPS- 1959: 9/3
 PHILLIPS, J. H.- 1960: 4/20
 PHILLIPS, John- 1960: 11/23
 PHILLIPS, John D.- 1958: 10/29, 11/10, 12/2; 1959: 1/19, 2/2, 2/18, 2/21, 3/7,
 3/18, 3/25, 3/26, 3/27, 4/1, 4/3, 4/6, 4/7, 7/29, 8/9; 1960: 6/17, 8/10,
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 PHILLIPS, John G.- 1959: 1/13, 2/24
 PHILLIPS, Lorna- 1960: 6/6
 PHILLIPS, Norman E.- 1960: 10/10
 PHLEGER, Herm- 1959: 9/11
 PIATEGORSKI, Gregory- 1959: 11/3

PICASSO, Pablo- 1960: 3/5
 PICCIONI, Oreste- 1958: 9/3
 PICKERELL, Albert- 1958: 11/19; 1959: 9/8; 1960: 3/29, 6/8, 8/23, 8/28, 10/3,
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 PICKERING, William H.- 1959: 6/17, 10/13
 PIEL, Gerald- 1958: 10/5; 1960: 4/20
 PIERCE, Duncan- 1959: 2/26
 PIERCE, Jim- 1960: 10/11
 PIERCE, John K.- 1960: 1/8
 PIEROVICH, George- 1959: 8/20, 8/21, 9/1, 9/3, 9/4, 9/8, 9/13
 PIERSON, Paul- 1958: 9/7; 1959: 1/28
 PIGFORD, Thomas- 1958: 8/22, 8/31, 9/1; 1959: 3/3, 5/1, 5/12, 6/19, 6/23,
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 PIKE, James A. (Bishop)- 1959: 4/6; 1960: 3/25, 6/5, 12/1
 PILLSBURY, Warren- 1959: 6/27
 PIMENTEL, George- 1959: 5/28, 10/5, 10/20, 10/27, 10/30; 1960: 1/25, 2/5,
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 PINCKNEV- 1959: 9/17
 PINCKNEY, Paul- 1959: 5/21
 PINES, David- 1959: 1/22
 PIORE, Emmanuel R. "Manny"- 1959: 5/18, 9/15, 9/16, 10/19, 10/20, 12/9; 1960:
 1/18, 2/14, 3/15, 4/19, 4/23, 5/16, 5/17, 6/27, 10/18, 12/19
 PIRE, Dominique Georges Henri (Reverend)- 1959: 2/24
 PIRTZ, David- 1959: 3/11
 PISCHEL, Harold- 1959: 6/10, 6/12, 8/13
 PITELKA, Frank- 1959: 2/21, 4/7, 8/3; 1960: 4/20
 PITTMAN, Frank- 1961: 1/27
 PITTS, Jim- 1960: 3/23, 9/11
 PITZER, Jean (Mrs. Kenneth S.)- 1959: 10/14
 PITZER, Kenneth S. (Jean)- 1958: 7/14, 7/15, 7/16, 7/18, 8/6, 8/7, 8/18, 8/19,
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 PLAGEMAN, Steve- 1959: 11/24; 1960: 10/20
 PLEAT, George- 1958: 10/7
 PLESSET, Milton- 1959: 9/1
 PLOWDEN, Edwin (Sir)- 1959: 2/16, 2/24, 2/20, 3/12
 PODRES, Johnny- 1960: 7/5
 POIRIER, André- 1959: 3/13
 POLIKANOV, Sergei M.- 1958: 9/9
 POLLISAR, Milton- 1959: 10/20
 POLLARD- 1959: 4/1
 POND, M. Allen- 1960: 8/2
 PONG, Henry- 1959: 6/26
 POPE- 1960: 6/14
 POPE, Saxton- 1959: 2/25
 POPOV, Egor P.- 1959: 3/31, 5/22, 6/4, 6/13, 6/22, 10/1
 POPPER, Jan- 1958: 10/16, 10/22; 1959: 3/16, 5/8, 10/11
 POPPER, William- 1959: 10/29

PORTER, George- 1959: 9/4
 PORTER, Richard W.- 1959: 10/20
 POSKANZER, Arthur M.- 1958: 8/21
 POST, Alan- 1959: 3/3, 3/21, 12/3, 12/8, 12/9
 POSTMAN, Leo J.- 1959: 3/13, 3/18, 3/26, 4/30, 5/4, 5/20, 5/26, 6/13, 7/27,
 7/29, 7/30, 10/2, 10/15, 11/9; 1960: 2/11, 10/3
 POTTER, Don- 1959: 4/22
 POTTER, Sandy- 1960: 6/9
 POTTS, Calvin- 1959: 2/27
 POWELL, Dorothy Gardner- 1958: 8/8, 8/13, 8/19, 8/22, 8/26, 9/16, 11/5, 11/14,
 11/26; 1959: 1/13, 1/19, 6/19; 1960: 8/16
 POWELL, Richard E.- 1958: 8/20; 1959: 2/25, 3/3, 4/7, 4/13, 5/28, 7/29, 10/20,
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 POWELL, Richard M.- 1960: 3/28
 POWERS, G. F.- 1960: 6/19
 POWERS, Harold- 1958: 12/8
 PRASAD- 1958: 10/2
 PRATOR, Ralph- 1959: 6/9
 PRICE, C. Melvin- 1961: 1/18
 PRICE- 1959: 3/26
 PRICE, Charles- 1959: 12/4; 1960: 1/9
 PRICE, Don K., Jr.- 1959: 12/9; 1960: 8/4, 12/21
 PRICE, Leontyne- 1959: 6/19, 10/11
 PRICE, Louise- 1960: 6/27
 PRICE, Marianne- 1960: 6/27
 PRICE, Robert- 1960: 6/27
 PRICE, Roger- 1959: 5/22
 PRIEST, Bill- 1959: 3/26, 6/26
 PRIESTLEY, Joseph- 1960: 3/16
 PRIMROSE, William- 1959: 11/3
 PRITCHETT, W. K.- 1959: 3/19
 PROBST, George E.- 1959: 1/26, 1/28, 1/29, 10/23; 1960: 10/8
 PROKOFIEV, M.- 1960: 3/8
 PROSKAUER, Johannes- 1959: 8/3; 1960: 4/20
 PROSSER, William Lloyd- 1958: 8/29, 9/16, 10/1, 11/3, 11/26, 12/4, 12/11,
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 12/16, 12/23; 1960: 1/6, 3/9, 3/25, 11/7, 11/23
 PROTHRO, Tommy- 1958: 8/16
 PROTTER, Murray H.- 1958: 11/12;; 1959: 3/26; 1960: 3/3, 9/1
 PUCKETT, Allen- 1960: 9/30
 PUCKETT, Allen, Jr.- 1960: 9/30
 PUGH, Archer V.- 1959: 3/12
 PULLEN, Thomas- 1959: 1/28
 PURCELL, Edward M. - 1959: 6/16, 6/23, 9/15, 10/20; 1960: 3/15, 4/18, 5/16, 6/2
 PURCELL, Elizabeth- 1960: 5/26
 PURSEL, Kent D.- 1959: 2/27, 6/11; 1960: 8/8, 12/6
 PUSEY, Nathan- 1958: 9/26, 9/28
 PUTNAM, John A.- 1959: 5/4, 9/1

QUAAL, Ward- 1958: 12/1
 QUARLES, Donald- 1958: 12/24
 QUEENY, Edgar Monsanto- 1959: 11/6, 11/11
 QUIGLEY, L. R.- 1959: 5/28
 QUILLEN, I. James- 1959: 11/23; 1960: 1/22
 QUIMBY- Freeman H.- 1959: 3/10, 5/8
 QUINN, John- 1959: 3/27

QUINN, Joseph (Father)- 1958: 9/24; 1959: 1/12
QUIRE, Catherine- 1960: 5/1, 5/25, 6/11

RAAB, Earl- 1960: 3/4
RAABE, Robert D.- 1960: 10/10
RABI, Isidor I.- 1959: 4/14, 12/3, 12/14; 1960: 1/13, 1/20, 2/1, 2/4, 2/14,
3/9, 10/17, 11/14, 12/1, 12/18
RABIDEAU, Sherman W.- 1958: 9/5
RABINOWITZ, W. Gerson- 1959: 3/26
RAHNEMA, Majid- 1959: 5/28
RAINEY, Froelich- 1958: 10/5, 10/6; 1959: 9/14
RALEIGH, John H.- 1959: 4/23, 5/4
RALSTON, John- 1959: 8/21; 1960: 1/28, 2/5
RALSTON, William R.- 1959: 6/4
RAMEL, Armin Hermann- 1959: 3/13
RAMEY, James T.- 1960: 3/28, 6/24; 1961: 1/6
RAMEY, Wanda- 1958: 9/7
RAMM, Lawrence- 1959: 5/21
RAMO, Simon- 1959: 6/16, 8/6
RAMSEY, James Blaine- 1958: 9/26; 1959: 5/27, 6/23
RAMSEY, Norman- 1958: 12/16; 1959: 9/15; 1960: 6/27
RAMSEY, Robert W., Jr.- 1959: 3/2
RAMSEY, Warren- 1960: 9/30
RANDALL, Clarence- 1960: 12/19
RANDERS, Gunnar- 1959: 4/23, 5/20
RAPOPORT, Henry- 1959: 6/4; 1960: 3/28, 4/2
RAPP, Frank- 1959: 6/26; 1960: 8/30
RAPPAPORT, Armin- 1958: 8/25, 8/26, 9/13; 1959: 6/10, 8/5, 9/22, 9/28, 10/12,
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RASCHEN, Robert- 1959: 6/1
RASMUSSEN, John O.- 1958: 7/3, 7/18, 9/9, 9/21, 9/25, 10/1, 10/2, 10/13,
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RASMUSSEN, Steen- 1959, 2/10
RATCLIFF, Robert- 1959: 2/25, 10/10
RATTIGAN, Eleanor- 1960: 10/24
RATTIGAN, Joseph- 1959: 10/31
RAUSCH, John- 1960: 12/29
RAWN, Bill- 1959: 4/24, 8/7
READY, Tom- 1959: 5/21
REAM, David- 1959: 5/12
REDFORD, Edward- 1959: 5/21
REDMAN, George P.- 1959: 3/11
REDMOND, Don- 1959: 9/29
REDMOND, George- 1959: 4/29, 5/6, 5/7, 5/11, 5/12, 5/15, 9/18, 9/28, 10/1,
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REED- 1960: 3/17
REED, Bill- 1959: 3/15, 5/25, 5/28, 6/3, 6/4
REED, David W.- 1959: 6/9
REED, John Lyon- 1960: 12/21
REED, Phil- 1958: 8/24
REEDER, Paul L.- 1959: 8/6, 9/25, 9/27, 11/13
REESE- 1958: 10/9
REEVES, William C.- 1959: 6/9
REGAN, Edwin, J.- 1959: 10/31
REID, Don- 1959: 8/7

REID, Maryann- 1959: 3/27, 5/20
 REIDENBACH, J. C.- 1959: 7/29
 REINHARDT, William D.- 1959: 2/12
 RELLER, Theodore L.- 1959: 5/20, 7/29; 1961: 1/12
 RENNE, Art- 1959: 3/1
 RENOIR, Jean- 1959: 5/5, 5/22, 6/20; 1960: 6/9
 RESSGUIE, Lawrence- 1959: 11/3
 RESTON, James- 1958: 10/1; 1959: 3/20, 9/10
 RETZLAFF, Ralph H.- 1959: 3/8
 REUSSWIG, James- 1959: 5/21
 REVELLE, Ellen (Mrs. Roger R.)- 1959: 5/13
 REVELLE, Roger R. (Ellen)- 1958: 7/18, 8/13, 11/20, 12/15; 1959: 1/19, 1/22, 1/29, 1/30, 2/3, 2/18, 2/19, 2/20, 3/12, 3/13, 3/19, 3/24, 4/9, 4/14, 4/16, 4/22, 4/27, 5/5, 5/13, 5/15, 5/20, 6/18, 6/19, 8/13, 8/20, 8/31, 9/17, 9/18, 10/23, 10/28, 11/9, 11/23, 12/7, 12/10, 12/11, 12/18, 12/19; 1960: 1/16, 1/20, 1/21, 2/17, 2/18, 3/5, 4/15, 4/20, 4/23, 5/18, 6/17, 8/11, 9/21, 9/22, 9/30, 10/12, 11/16, 11/23, 12/6
 REVIN, Valentin- 1958: 12/11; 1959: 6/9
 REVZAN, David A.- 1959: 4/7
 REYNOLDS, Blake- 1960: 10/4
 REYNOLDS, Fred L.- 1959: 8/6
 REYNOLDS, W. B. "Wally"- 1958: 7/9, 7/10, 7/16, 8/8, 9/10, 9/11, 9/17, 9/25, 11/5, 12/22; 1959: 1/3, 3/18, 5/22, 6/5, 6/9, 6/21, 6/23, 8/12, 9/2, 9/8, 10/5; 1960: 10/3
 RHINELANDER, Philip Hamilton- 1959: 2/12
 RIASANOVSKY, Nicholas V.- 1959: 10/30, 1960: 2/4, 1961: 1/3, 1/6, 1/9, 1/25
 RIBERA, Alan E.- 1959: 3/25, 4/8, 11/24, 12/16; 1960: 1/7, 3/30, 5/11, 5/31, 8/17
 RIBICOFF, Abraham A.- 1960: 10/12
 RICE, Dick- 1959: 4/24
 RICE, Jonathan- 1960: 8/18
 RICE, Robert- 1959: 2/9, 3/27, 8/7, 10/20, 11/9, 12/4; 1960: 1/9, 2/5, 8/3, 9/11, 12/9
 RICE, William- 1959: 1/5, 1/14, 2/18, 8/19, 9/8, 11/30, 12/7; 1960: 1/25, 2/11; 1961: 1/30
 RICHARDS, Judith L.- 1960: 8/30
 RICHARDS, A. N.- 1959: 4/14; 1960: 1/20
 RICHARDS, Richard- 1959: 10/31
 RICHARDSON- 1958: 9/25, 10/2, 11/6, 11/13
 RICHARDSON, Elliot- 1959: 12/14
 RICHMOND, Al- 1960: 12/2
 RICKLEFF, C. E.- 1959: 5/20, 7/10
 RICKOVER, Hyman G.- 1960: 5/25, 6/6, 11/28
 RIDGWAY, David- 1960L 1/25, 4/27, 5/6, 5/9; 1961: 1/24
 RIDING, James- 1959: 6/26, 9/28
 RIEFF, Phillip- 1959: 9/20
 RIESENFELD, Stefan A.- 1958: 9/22, 10/3, 11/18; 1959: 2/12, 7/20, 7/29, 10/30; 1960: 1/7, 2/1, 2/2, 4/1
 RIETZ, G. A.- 1959: 1/20
 RIFKIND, Joyce- 1960: 5/25
 RIGGS, L.- 1960: 2/4
 RIKSHEIM, Turi- 1960: 8/24, 9/28
 RIKSHEIM, Bob- 1960: 8/16
 RIKSHEIM, John- 1958: 11/15; 1960: 8/16
 RILEY, Donald A.- 1959: 2/11, 2/13, 4/7; 1960: 10/3, 12/2
 RINEHART, Jonathan- 1960: 12/14

RING, Jim- 1958: 11/19
 RINGO, George R.- 1959: 3/2
 RIPSOM, Marie- 1960: 2/25, 3/3
 RISHELL, Clifford E.- 1960: 1/11, 1/12, 1/21, 2/8, 2/19
 RITCHIE, Benbow F.- 1960: 10/3
 RIVKIN, Arnold- 1959: 3/13, 3/17, 3/19, 3/27
 ROBB, Agnes- 1959: 5/5
 ROBBINS, Charles- 1960: 12/13
 ROBBINS, Joyce- 1959: 6/26
 ROBERTS, John B.- 1959: 10/8
 ROBERTS, L. E. J.- 1958: 9/5
 ROBERTS, Royal A.- 1958: 11/17; 1959: 3/3, 6/4, 6/11
 ROBERTS, Walter O.- 1960: 8/15
 ROBERTSON, Howard P.- 1959: 8/20, 9/23, 12/15; 1960: 5/16
 ROBERTSON, James- 1959: 9/12
 ROBERTSON, Oscar- 1960: 3/18
 ROBERTSON, Randall- 1959: 4/23, 6/16, 8/6
 ROBISON, Betty (Mrs. Richard Jennings)- 1959: 2/13
 ROBINSON, Alice- 1960: 6/27
 ROBINSON, Bob- 1958: 9/23
 ROBINSON, Clark- 1960: 11/28
 ROBINSON, Herman P.- 1958: 10/12; 1959: 9/27
 ROBINSON, Jim- 1960: 4/18, 6/27
 ROBINSON, Joan- 1960: 6/27
 ROBINSON, Lewis- 1958: 9/17
 ROBINSON, McDonald- 1959: 3/27
 ROBINSON, Raphael M.- 1959: 4/30
 ROBLIN, Dick- 1960: 5/24
 ROCCA, Barney- 1958: 7/16; 1959: 3/7, 3/16, 8/21
 ROCKEFELLER, Nelson- 1959: 11/4, 12/14; 1960: 1/29, 1/30, 2/1, 2/16, 9/2, 9/6,
 9/7, 9/14, 10/19
 ROCKEL, Ebba- 1958: 7/5, 7/6
 ROCKWELL, Alvin- 1959: 12/9
 ROCKWELL, Burton- 1960: 1/21
 RODDA, Albert S.- 1959: 3/13, 3/16, 4/6
 RODGERS, John B.- 1959: 6/10
 RODRIGUEZ- 1959: 8/20
 RODRIGUEZ, Rafael- 1961: 1/11
 ROE, (Mrs.)- 1960: 11/16
 ROE, Arthur- 1959: 10/18, 10/20, 10/26, 11/6; 1960: 1/8, 1/9, 3/25
 ROESSLER, E. B.- 1959: 1/9, 2/4, 5/25
 ROGERS, Edward S.- 1959: 4/22, 5/4, 5/8; 1960: 9/7
 ROGERS, Ernesto- 1959: 2/10
 ROGERS, Jack D.- 1959: 3/27
 ROGERS, Michael C.- 1960: 10/10
 ROGERS, William Pierce- 1959: 2/26, 4/30
 ROLPH, Earl- 1958: 12/11; 1960: 1/27
 RONDON, Fernando E.- 1959: 9/28
 ROOSEVELT, Eleanor- 1958: 9/6
 ROSBAUD, Paul- 1958: 8/18; 1959: 2/1, 2/2, 6/22
 ROSBERG, Carl G., Jr.- 1959: 3/8
 ROSENBAUM, Art- 1958: 8/24, 8/25
 ROSENBERG, Barr- 1959: 3/24
 ROSENBERG, Hans- 1960: 1/29
 ROSENBERG, Marvin- 1959: 3/24, 4/22
 ROSENBERG, Reinhardt M.- 1959: 3/11, 3/26; 1960: 5/4

ROSENFELD, Arthur H.- 1959: 7/10; 1960: 9/1, 10/10
 ROSENLICHT, Maxwell- 1960: 2/25
 ROSENZWEIG, Mark P.- 1958: 12/3; 1959: 3/13, 4/7, 5/8, 5/20, 7/27, 9/28, 11/9,
 12/17; 1960: 1/29, 2/11, 2/25, 4/8, 6/1
 ROSOVSKY, Henry- 1959: 2/10, 3/26, 3/30, 4/8, 5/21; 1960: 1/29, 5/10; 1961: 1/3
 ROSS, Arthur M. (Jane)- 1959: 2/11, 3/9, 3/14, 4/10, 4/11, 4/13, 4/22, 5/20,
 6/1, 7/31, 9/1, 11/30; 1960: 1/20, 5/3, 9/6, 10/12
 ROSS, Jane (Mrs. Arthur M.)- 1959: 12/9
 ROSS, Marilyn- 1958: 12/21
 ROSS, Neil- 1958: 9/15
 ROSSBACH, Charles E.- 1959: 9/24
 ROSSER, J. Barkley- 1959: 8/20, 8/31; 1960: 10/9
 ROSSI, Bruno- 1959: 2/7, 8/19
 ROSSMAN, Michael- 1959: 2/26
 ROSTEN, Leo C.- 1961: 1/11
 ROSTROPOVICH, Mstislav- 1959: 6/19
 ROSTZTOCZY, Ferenc- 1958: 12/25
 ROSTZTOCZY, Zoltan- 1958: 12/25
 ROTH, William- 1959: 6/3, 12/9; 1960: 1/8
 ROTHACKER, Harold- 1959: 9/27
 ROTHWELL, C. Easton- 1959: 1/6, 1/13, 1/20, 1/21, 11/23; 1960: 1/22
 ROTT, Ronnie- 1959: 4/22
 ROURKE, Robert E. K.- 1959: 2/27
 ROUTSONG, C. Roy- 1958: 12/23; 1959: 1/13, 1/20, 1/21, 2/10, 4/7, 4/9, 4/11
 ROWE, John H.- 1959: 3/26; 1960: 6/14
 ROWLAND, Sherry- 1958: 8/20
 ROWLANDS, Kirk O.- 1958: 8/8; 1959: 8/9; 1960: 12/8
 ROZSNYAI, Balazs- 1958: 12/25
 RUARK, Arthur- 1961: 1/18
 RUBEL, John H.- 1960: 11/14
 RUBEN, Helena W. (Mrs. Samuel)- 1958: 11/13; 1959: 8/6, 9/27
 RUBENSTEIN, Mark- 1959: 9/27
 RUBEY, William- 1960: 1/6, 1/16
 RUBIN, Samuel- 1959: 12/8
 RUBIN, Harry- 1959: 10/27
 RUCKA, Mike- 1960: 10/12
 RUDERMAN, Malvin A.- 1959: 5/7, 7/10
 RUGGERI, Ann- 1959: 9/29; 1960: 5/25
 RUIZ, Carl P.- 1958: 9/25, 10/2, 10/30, 11/13; 1959: 9/27
 RUMFORD, W. Byron- 1959: 2/26, 3/10, 10/12; 1960: 8/23
 RUNSER, James A.- 1959: 8/7
 RUSK, Dean- 1959: 1/28; 1960: 1/22; 1961: 1/11, 1/13, 1/19, 1/20
 RUSSELL- 1960: 2/18
 RUSSELL, Anna- 1959: 6/19
 RUSSELL, Bertrand- 1959: 6/23, 8/6, 8/20
 RUSSELL, D. J.- 1959: 5/7
 RUSSELL, David H.- 1959: 5/4, 5/8; 1960: 6/19
 RUSSELL, Mrs. Henry Potter- 1959: 12/9; 1960: 1/8
 RUSSELL, James- 1959: 11/23; 1960: 1/4, 12/29; 1961: 1/11
 RUST, Clarence E.- 1959: 6/3
 RUTHERFORD, Ernest- 1959: 1/29
 RUTHERFORD, Steve- 1960: 5/25
 RYDBERG, Jam- 1958: 10/9; 1960: 11/23
 RYERSON, Knowles A.- 1958: 10/29, 11/26, 12/3, 12/17; 1959: 1/6, 2/25, 3/11,
 3/25, 4/6, 4/8, 5/6, 5/11, 5/20, 5/27, 6/4, 6/9, 7/29, 9/8, 9/24, 11/4,
 11/25, 12/16; 1960: 1/6, 1/23, 1/27, 2/1, 2/24, 2/25, 3/9, 5/24, 5/31, 6/11
 RYNIN, David- 1958: 10/28, 12/4, 12/8; 1960: 9/15

SAARINEN, Eliel- 1959: 8/26; 1960: 12/21
 SACCIO, Leonard J.- 1959: 10/20
 SAKAI, David- 1960: 6/2
 SALINGER, Pierre- 1961: 1/13, 1/16
 SALISBURY, Win- 1959: 10/15
 SALK, Jonas- 1959: 9/18
 SALZMAN, Ed- 1959: 2/17, 3/22, 11/2, 11/12
 SAMPAS- 1959: 8/13
 SAMPSON, Edward E.- 1960: 10/10
 SAMUEL, Gerhard- 1961: 1/10
 SAMUELS, Dixie- 1960: 6/9
 SAMUELSON- 1958: 11/12
 SAMUELSON, Paul- 1959: 12/16
 SAMUELSEN, Colette Morgan- 1958: 9/14, 12/16
 SAMUELSEN, Roger- 1958: 9/14, 12/16; 1959: 5/26
 SANDERS, Henry R. "Red"- 1958: 8/16; 1959: 5/5, 5/24
 SANFORD, Mary Jane- 1959: 2/26
 SANFORD, Nevitt- 1959: 7/27, 7/30, 8/3, 8/5; 1960: 1/14, 2/2, 3/9, 3/10, 3/24,
 3/26, 5/2, 8/8, 8/23, 11/21, 12/1
 SANFORD, R. N.- 1959: 5/20
 SANI, Robert L.- 1959: 9/27
 SAPHIR, Richard- 1959: 4/16
 SAPHIRIE, Samuel R.- 1959: 9/20
 SARKIN, Theodore R.- 1960: 3/28, 9/7
 SARIO, Leo- 1959: 6/22
 SARGENT- 1959: 2/24
 SARDJITO, Gadjah Mada- 1960: 10/11
 SARNOFF, Thomas- 1959: 2/19; 1960: 2/19
 SARWANO- 1959: 4/28
 SASSEN, F. L. R. (Monsignor)- 1958: 9/22
 SATO, Sho- 1958: 7/11; 1959: 8/17; 1960: 6/2, 10/28
 SAUER, Carl- 1959: 3/27, 4/24, 8/6; 1960: 10/12
 SAUER, Warren- 1959: 3/24
 SAUND, Dalip S.- 1961: 1/5
 SAUNDERS, (Mrs.)- 1959: 6/10
 SAUNDERS, John B. de C. M.- 1958: 8/13, 8/26, 9/18, 10/24, 11/20, 11/24, 12/3;
 1959: 1/21, 1/22, 2/18, 2/19, 2/20, 2/21, 3/12, 3/13, 3/16, 3/19, 4/9,
 4/16, 4/22, 5/14, 9/17, 9/18, 10/16, 10/23, 10/24, 11/23, 12/3, 12/10,
 12/11; 1960: 1/20, 1/21, 1/22, 2/10, 2/17, 2/18, 2/29, 4/20, 5/18, 5/24,
 6/14, 6/17, 8/11, 9/21, 9/22, 10/12, 11/16
 SAUNDERS, Robert M.- 1959: 3/25, 4/14, 10/1, 10/26
 SAVAGE, Don- 1959: 3/18
 SAWYER, Brian- 1959: 9/8
 SAWYER, Jan- 1958: 11/15
 SAWYER, Ruth- 1959: 5/15
 SCALAPINO, Robert A.- 1959: 6/1, 9/24, ; 1960: 1/6, 2/8, 2/9, 12/2
 SCARDELIS, Alexander C.- 1959: 5/22
 SCARPITTO, Bob- 1959: 10/10
 SCATTINI, Jerry- 1959: 10/31
 SCHAAF, Samuel A.- 1958: 12/23; 1959: 1/16, 3/31, 6/17, 10/1; 1960: 1/5, 4/4,
 4/27, 5/11, 5/12, 6/6, 6/7, 6/8, 6/9, 6/10, 11/28
 SCHAAR, John H.- 1960: 6/2
 SCHACHMAN, Howard K.- 1959: 2/3, 3/3, 3/26, 12/7
 SCHACHT, Henry- 1959: 12/16
 SCHADE, George H.- 1959: 4/22, 5/4, 5/8

SCHADE, Henry A.- 1959: 3/31, 10/1; 1960: 10/19
 SCHAEFER, Herwin- 1959: 2/18, 3/24, 4/4, 5/20, 6/10; 1960: 3/28, 10/20, 11/1
 SCHAEFER, John M.- 1959: 3/27, 4/9
 SCHAEFFER, Bobb- 1959: 3/31
 SCHAEFFER, Paul B.- 5/21
 SCHAFER, Edward H.- 1959: 3/30, 5/22; 1960: 4/27
 SCHEFFE, H.- 1960: 1/20, 1/23
 SCHEVILL, K. E.- 1959: 5/22
 SCHIMBERG, Richard J. (Captain)- 1960: 12/8
 SCHLEGEL, David- 1959: 5/4
 SCHLESINGER, Herman- 1960: 3/23
 SCHLOREDT, Bob- 1960: 1/1; 1961: 1/1
 SCHMEIDLER, Richard- 1959: 12/7
 SCHMIDT, Francis- 1960: 5/7
 SCHMIDT, Nadine (Mrs. Victor)- 1960: 6/20
 SCHMIDT, Steve- 1960: 6/20
 SCHMIDT, Victor- 1958: 8/6, 8/8, 8/13, 8/22, 8/25, 8/27, 10/18; 1959: 1/1,
 1/16, 3/13, 3/14, 3/19, 3/24, 4/7, 4/24, 6/3, 6/23, 7/29, 11/21, 12/7;
 1960: 4/28, 6/19, 6/20, 8/9
 SCHNEIDER, Herman- 1959: 3/31
 SCHNEIDERMAN, Jeremiah- 1959: 5/21
 SCHNIER, Jacques- 1959: 5/22
 SCHOENE, Dwight L.- 1960: 9/12
 SCHOENFELD, Ed- 1958: 8/1, 8/7, 8/12, 8/25, 9/25; 1959: 1/7, 1/8, 1/21, 2/25,
 3/27, 3/31, 5/21, 5/22, 6/23, 8/20
 SCHOOLEY, James F.- 1958: 11/13; 1959: 8/6, 9/27
 SCHORER, Mark- 1959: 5/6, 5/8, 6/4, 11/11; 1960: 3/3, 3/10, 3/28, 4/29, 5/10,
 6/29, 8/16, 11/23, 12/2
 SCHOSTAK, Sylvia- 1959: 5/21
 SCHRAMM, Wilbur- 1959: 4/28, 8/9
 SCHRIEFFER, John Robert- 1959: 1/8
 SCHROCK, Virgil E.- 1959: 5/12, 5/20; 1960: 10/10
 SCHROEDER, Kurt- 1960: 8/8
 SCHROTH, George- 1960: 5/10
 SCHUAB, "Pokey"- 1959: 9/28
 SCHULTE, Roger- 1959: 5/21, 6/9
 SCHUBERT, Jack- 1959: 10/6
 SCHULTZ, Henry E.- 1960: 11/2
 SCHULZ, Sonya- 1959: 2/27
 SCHURMANN, Herbert F.- 1960: 5/4, 5/23
 SCHWARZKOPF, Elizabeth- 1959: 6/19
 SCHWEITZER, Albert- 1959: 3/11
 SCIAMA- 1960: 8/19
 SCIAMANNA, Aldo F.- 1959: 9/27
 SCITOVSKY, Tibor- 1959: 6/4
 SCOTT- 1960: 2/11
 SCOTT, Elizabeth- 1959: 2/24
 SCOTT, Jean- 1959: 4/29, 8/23
 SCOTT, Leland- 1959- 8/23
 SCOTT, Lloyd F.- 1959: 5/8, 5/13
 SCOTT, Mellier- 1960: 1/29
 SCOTT, Robert- 1958: 9/26
 SCOVILLE, Herbert "Pete"- 1959: 4/21, 6/16, 12/14; 1960: 5/17, 9/20
 SEABORG, Charles and Lorraine and children- 1960: 8/28

SEABORG, David- 1958: 7/5, 7/6, 7/9, 7/30, 8/28, 9/20, 11/1, 12/1, 12/25, 12/26; 1959: 1/1, 2/3, 2/7, 2/13, 3/21, 3/22, 4/25, 4/29, 5/11, 5/15, 6/28, 7/15, 7/16, 10/10, 10/17, 10/21, 10/23, 10/31, 11/18; 1960: 4/7, 5/29, 6/21, 6/22, 6/24, 6/25, 7/15, 8/27, 8/28, 9/6, 9/13, 9/14, 9/22, 9/26, 9/30, 10/13, 11/28; 1961: 1/22

SEABORG, Dianne- 1959: 11/2, 11/7, 11/20, 11/23, 11/28, 12/8; 1960: 1/25, 3/31, 4/3, 5/25, 7/16, 8/5, 8/21, 10/4, 10/21, 10/26, 12/7; 1961: 1/9, 1/22

SEABORG, Eric- 1958: 7/2, 7/5, 7/6, 7/30, 8/5, 11/15, 12/25, 12/26; 1959: 1/1, 2/3, 2/10, 2/13, 2/24, 3/20, 3/22, 4/13, 4/21, 5/6, 5/28, 6/21, 6/24, 6/25, 6/27, 9/8, 9/21, 10/23; 1960: 1/14, 5/14, 5/22, 5/25, 5/29, 8/16, 8/18, 8/24, 8/27, 8/28, 9/6, 9/14; 1961: 1/22

SEABORG, Helen L.- 1958: 7/2, 7/5, 7/6, 7/30, 8/5, 8/10, 8/15, 8/22, 8/28, 9/14, 9/15, 9/20, 9/22, 9/28, 9/29, 10/1, 10/2, 10/4, 10/11, 10/12, 10/23, 10/29, 10/30, 11/1, 11/3, 11/6, 11/7, 11/8, 11/15, 11/16, 11/18, 11/21, 11/22, 11/23, 11/25, 12/4, 12/5, 12/10, 12/11, 12/21, 12/24, 12/25, 12/26, 12/27, 12/29, 12/30; 1959: 1/1, 1/3, 1/4, 1/19, 1/20, 1/27, 1/28, 1/29, 1/30, 2/3, 2/4, 2/5, 2/6, 2/7, 2/8, 2/10, 2/11, 2/13, 2/14, 2/16, 2/17, 2/21, 2/22, 2/24, 2/25, 2/26, 2/27, 3/10, 3/17, 3/18, 3/20, 3/23, 3/25, 3/26, 3/28, 3/31, 4/6, 4/8, 4/9, 4/10, 4/13, 4/14, 4/15, 4/17, 4/21, 4/22, 4/23, 4/24, 4/25, 4/29, 5/5, 5/6, 5/7, 5/8, 5/11, 5/15, 5/19, 5/20, 5/25, 5/26, 5/28, 5/29, 6/1, 6/2, 6/4, 6/5, 6/7, 6/8, 6/9, 6/10, 6/11, 6/13, 6/16, 6/21, 6/22, 6/23, 6/24, 6/26, 6/28, 7/1, 7/2, 7/4, 7/8, 7/14, 7/15, 7/21, 7/23, 7/27, 8/3, 8/14, 8/24, 8/30, 9/3, 9/4, 9/10, 9/11, 9/16, 9/17, 9/18, 9/19, 9/20, 9/21, 9/23, 9/24, 9/25, 9/26, 9/27, 9/28, 9/29, 9/30, 10/1, 10/2, 10/5, 10/8, 10/10, 10/11, 10/13, 10/14, 10/17, 10/21, 10/23, 10/27, 11/1, 11/2, 11/10, 11/16, 11/18, 11/20, 11/23, 11/24, 11/27, 11/28, 12/4, 12/9, 12/10, 12/16, 12/21, 12/22, 12/24, 12/25, 12/27; 1960: 1/2, 1/2, 1/7, 1/9, 1/12, 1/13, 1/14, 1/17, 1/20, 1/22, 1/25, 1/26, 1/27, 1/28, 1/31, 2/2, 2/4, 2/5, 2/6, 2/10, 2/11, 2/16, 2/19, 2/24, 2/25, 2/26, 3/1, 3/3, 3/4, 3/5, 3/7, 3/8, 3/9, 3/10, 3/15, 3/18, 3/21, 3/22, 3/23, 3/24, 3/26, 3/28, 3/29, 3/31, 4/3, 4/4, 4/6, 4/7, 4/8, 4/9, 4/14, 4/16, 4/20, 4/21, 4/22, 4/26, 5/1, 5/4, 5/5, 5/6, 5/9, 5/11, 5/12, 5/14, 5/22, 5/24, 5/25, 5/31, 6/1, 6/2, 6/5, 6/9, 6/10, 6/11, 6/13, 6/14, 6/18, 6/20, 6/28, 6/29, 6/30, 7/3, 7/11, 7/16, 7/18, 7/24, 7/25, 8/2, 8/5, 8/9, 8/19, 8/22, 8/24, 8/27, 8/29, 9/1, 9/4, 9/11, 9/13, 9/14, 9/15, 9/17, 9/20, 9/22, 9/23, 9/26, 9/27, 9/28, 9/29, 10/3, 10/4, 10/8, 10/11, 10/12, 10/13, 10/18, 10/19, 10/20, 10/21, 10/22, 10/26, 10/27, 11/1, 11/3, 11/4, 11/8, 11/15, 11/16, 11/18, 11/19, 11/26, 11/28, 11/30, 12/2, 12/5, 12/7, 12/8, 12/9, 12/10, 12/25, 12/29; 1961: 1/3, 1/8, 1/9, 1/11, 1/12, 1/13, 1/21, 1/22, 1/27, 1/28, 1/30, 1/31

SEABORG, H. Lawrence- 1959: 7/30

SEABORG, Lynne- 1958: 7/5, 7/6, 7/30, 8/22, 8/28, 11/1, 12/1, 12/25, 12/26; 1959: 1/1, 1/4, 2/3, 2/7, 3/22, 3/23, 3/24, 4/1, 4/13, 4/24, 4/25, 4/29, 5/7, 5/8, 5/11, 5/15, 6/28, 7/7, 7/9, 7/13, 7/14, 7/15, 7/20, 7/24, 8/3, 8/21, 8/22, 8/23, 9/8, 9/16, 9/18, 9/23, 9/28, 10/11, 10/23, 12/4, 12/27, 12/28, 12/29, 12/30, 12/31; 1960: 1/1, 1/2, 1/17, 2/4, 2/5, 2/10, 2/11, 2/16, 3/1, 3/3, 3/18, 3/23, 4/3, 4/7, 4/8, 4/20, 4/26, 5/11, 5/22, 5/27, 6/9, 6/14, 6/22, 6/23, 6/24, 6/25, 6/27, 6/28, 7/15, 7/18, 8/2, 8/5, 8/7m, 8/13, 9/6, 9/14, 9/22, 9/28, 10/8, 10/18, 10/22, 10/26, 11/8; 1961: 1/4, 1/22

SEABORG, Peter- 1958: 7/5, 7/6, 7/9, 7/16, 7/30, 8/28, 12/1, 12/25, 12/26, 12/31; 1959: 1/1, 1/4, 2/3, 2/7, 2/8, 2/11, 3/7, 3/16, 3/22, 3/23, 3/24, 4/1, 4/6, 4/9, 4/13, 5/6, 5/12, 5/15, 5/19, 5/25, 5/29, 6/4, 6/21, 6/28, 7/7, 8/3, 8/22, 8/23, 9/21, 9/24, 10/1, 10/2, 10/17, 10/21, 11/10, 11/12, 11/16, 12/4; 1960: 1/17, 1/22, 2/5, 2/6, 2/10, 2/29, 3/7, 3/8, 3/10, 3/26, 4/3, 4/4, 4/6, 5/2, 5/10, 5/11, 5/22, 5/29, 5/31, 6/11, 6/14, 6/22, 6/23,

SEABORG, Peter (continued)- 1960: 6/24, 6/25, 6/26, 6/27, 6/28, 7/15, 8/5,
 8/24, 9/2, 9/6, 9/11, 9/14, 9/28, 9/30, 10/22, 10/26, 11/8; 1961: 1/3,
 1/4, 1/9, 1/22.
 SEABORG, Selma- 1958: 7/2, 7/5, 7/6, 7/27, 8/5, 10/22, 12/26, 12/27; 1959:
 5/17, 6/17, 6/21, 6/22, 6/26, 6/27, 7/26, 8/24, 8/25, 12/24, 12/25; 1960:
 1/2, 2/16, 2/17, 2/19, 5/17, 5/18, 6/30, 7/14, 7/16, 10/14, 10/15, 12/24,
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 SEABORG, Stephen- 1958: 7/2, 7/5, 7/30, 8/5, 8/21, 8/28, 9/20, 12/1, 12/25,
 12/26, 12/31; 1959: 1/1, 3/22, 4/13, 6/21, 6/22, 6/24, 6/25, 6/27, 6/28,
 7/16, 7/21, 8/14, 10/1, 10/10, 10/17; 1960: 2/19, 3/18, 4/26, 5/14, 5/22,
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 10/8, 10/21, 11/16; 1961: 1/13, 1/22
 SEABURY, Paul- 1959: 4/23, 12/3; 1960: 11/23
 SEAMAN, Lynn- 1959: 2/26
 SEAMON, Roger- 1959: 2/26
 SEARCY, Alan- 1958: 8/8, 8/19, 8/26, 8/27; 1959: 2/25, 3/13
 SEARS, Paul- 1958: 11/4
 SEARS, William R.- 1959: 10/13
 SEATON, Fred- 1960: 1/30, 2/1, 2/25
 SEAY, Maurice- 1959: 10/12
 SEBAN, Ralph G.- 1959: 3/31, 9/1, 10/1; 1960: 11/2
 SEBESTYEN, Adam- 1958: 12/25
 SEELEY, John- 1960: 8/8, 11/21
 SEGAL, Andy- 1959: 3/7
 SEGRE, Emilio (Elfrieda)- 1958: 7/11, 7/18, 7/28, 9/3, 12/8, 12/10, 12/12;
 1959: 8/19, 8/21, 10/12, 10/13, 10/26, 10/27, 10/29, 10/30, 11/11, 11/20,
 11/29, 12/3, 12/8; 1960: 1/12, 1/21, 3/4, 3/24, 3/31, 8/16, 9/1, 9/2, 9/16,
 10/20; 1961: 1/27
 SEIBERT, Jerome- 1960: 6/17
 SEIDENBERG, Abraham- 1959: 6/4
 SEIGEL, Jack- 1960: 8/18
 SEILER, Frank J.- 1960: 8/17
 SEITZ, Frederick- 1959: 4/30, 9/15, 10/20; 1960: 4/18
 SELBY- 1958: 8/7; 1959: 12/2
 SELBY, Don- 1959: 1/7, 12/10
 SELDEN, William K.- 1958: 8/20
 SELIGMAN, Henry- 1958: 9/11
 SELLERS, Charles G., Jr.- 1959: 4/22; 1960: 5/10, 5/23
 SELVIN, Hanan C.- 1960: 10/10
 SELVIN, Herman F.- 1958: 8/29, 10/27; 1959: 4/24, 5/21, 6/2, 6/23, 8/7, 10/27;
 1960: 2/5, 6/5, 6/17, 6/29, 10/24
 SELZNICK, Philip- 1959: 3/18, 4/6, 4/24
 SEMPLE, Janie- 1958: 12/4, 12/5, 12/8; 1959: 2/11, 3/18, 3/26, 10/30; 1960:
 9/27
 SERREM, Clarissa Ann- 1960: 6/9
 SESSON, Porter- 1959: 5/7
 SESSON- 1959: 10/27
 SETHNA, Homi N.- 1958: 7/10
 SETTERDAHL, Ken- 1959: 6/25, 8/26
 SEULBERGER, J. Frederick- 1959: 1/22
 SEVERIN, Clarence (Captain)- 1958: 12/11, 12/17
 SEWELL, Duane- 1958: 8/31; 1959: 4/22
 SHAAL, R. G.- 1959: 2/16
 SHAEFFER- 1959: 11/3
 SHAFFER, Lysle E.- 1959: 5/20, 6/9, 8/21, 10/2
 SHAH, Virendrakumar Juwanlah- 1959: 3/10

SHALIMOFF, George V.- 1958: 7/17, 9/25, 11/6, ; 1959: 9/27
 SHAMUS- 1958: 9/10
 SHANE, C. Donald- 1958: 12/11; 1959: 7/29; 1960: 8/22
 SHANKAR, Jagdish- 1958: 9/9
 SHANKS, Bob- 1959: 4/29
 SHANNON, Claude- 1960: 10/9
 SHANNON, James A.- 1960: 1/18, 4/23, 8/2, 10/18
 SHARAPOVA, Annya- 1958: 9/9
 SHARKEY, W. R., Jr.- 1960: 10/22
 SHARMA, Hari- 1958: 9/9
 SHARP, Paul F.- 1960: 11/13
 SHARPE, Joseph F. (Reverend)- 1960: 9/24
 SHAW, Byron T.- 1960: 1/16
 SHAW, Charles- 1958: 10/21, 11/8
 SHAW, Stanford- 1959: 10/31
 SHAY, Dennis- 1960: 2/11
 SHCHERBAKOV, Sergey- 1959: 6/9
 SHCHUKIN, Valentin- 1959: 6/9
 SHEAR, Sherwood W.- 1959: 3/3, 6/4, 6/11
 SHEATS, Paul- 1958: 11/20; 1959: 1/6, 1/16, 1/22, 6/18, 6/19, 9/17, 9/18, 9/30, 10/23, 11/19, 11/20, 12/10; 1960: 1/21, 1/22, 2/10, 2/18, 2/29, 4/20, 6/17, 9/22, 10/4, 10/12, 11/13, 12/13
 SHEEKS, Robert- 1959: 5/26
 SHEFELMAN, Harold S.- 1958: 7/31
 SHELDON, Clayton (Rita)- 1958: 7/23, 8/1, 8/3, 12/27, 12/29; 1959: 1/1, 10/30, 10/31, 11/18; 1960: 7/7, 7/15, 7/17, 7/18, 7/22
 SHELDON, Gayle- 1960: 7/8
 SHELDON, Rita (Mrs. Clayton)- 1960: 7/8, 7/18
 SHELDON, Ronnie- 1960: 7/18
 SHELLEY, John- 1960: 11/13
 SHELTON, F.- 1959: 4/21
 SHELTON, Robert- 1960: 8/19, 12/1
 SHEPARD, Rose Marie (Mrs. William F.)- 1959: 6/1; 1960: 9/11
 SHEPARD, William F.- 1958: 7/29, 8/1, 8/8, 8/15, 9/15, 9/21, 9/25, 10/13, 11/10, 12/20; 1959: 1/16, 1/22, 2/11, 2/26, 3/17, 3/18, 3/23, 3/26, 3/27, 4/9, 4/22, 5/4, 5/6, 5/7, 5/12, 5/20, 5/21, 6/2, 6/21, 6/26, 7/29, 7/30, 7/31, 8/3, 8/5, 8/7, 9/2, 9/3, 9/19, 9/21, 9/22, 9/23, 9/28, 10/13, 10/14, 10/26, 10/27, 10/30, 10/31, 11/4, 11/10, 11/25, 12/7, 12/16; 1960: 1/6, 1/27, 2/11, 2/24, 3/9, 5/4, 5/6, 5/7, 5/8, 6/1, 6/17, 6/21, 6/29, 8/1, 8/8, 9/21, 10/4, 10/11, 11/4, 11/29, 12/5, 12/6
 SHEPHARD, Ronald W.- 1959: 3/17, 3/31, 5/20; 1960: 11/23, 11/28
 SHEPHERD, William Gerald- 1959: 3/2, 4/28, 6/16, 8/7
 SHEPPARD, Harry- 1961: 1/6, 1/9, 1/10, 1/12
 SHERBURNE, Edward G. "Ted"- 1958: 8/19, 9/6, 9/24, 10/10, 10/16, 11/10, 11/11, 11/12, 11/24, 11/26, 12/16; 1959: 1/3, 1/12, 1/19, 2/17, 2/24, 3/30, 4/9, 4/22, 4/24, 5/20, 6/7, 9/30, 10/12, 10/14; 1960: 1/27, 2/3, 2/10, 2/29, 4/29, 8/17, 11/3, 12/7, 12/13
 SHERMAN, Art- 1960: 10/3
 SHERRIFFS, Alex C.- 1958: 7/3, 7/28, 8/9, 8/19, 8/26, 8/27, 8/29, 9/12, 9/13, 9/14, 9/15, 9/16, 9/17, 9/23, 9/30, 10/1, 10/2, 10/3, 10/13, 10/14, 10/15, 10/21, 10/22, 10/24, 10/28, 10/29, 10/30, 11/4, 11/5, 11/10, 11/11, 11/12, 11/18, 11/25, 11/26, 11/27, 12/1, 12/2, 12/4, 12/5, 12/8, 12/9, 12/10, 12/11, 12/15, 12/16, 12/17; 1959: 1/3, 1/8, 1/9, 1/16, 1/20, 1/22, 1/31, 2/11, 2/12, 2/13, 2/16, 2/17, 2/21, 2/24, 2/25, 2/26, 3/2, 3/3, 3/10, 3/11, 3/12, 3/16, 3/17, 3/18, 3/24, 3/25, 3/26, 4/7, 4/8, 4/9, 4/10, 4/14, 4/22, 4/23, 4/24, 5/5, 5/6, 5/11, 5/12, 5/20, 5/21, 5/26, 5/27, 5/29, 6/2,

SHERRIFFS, Alex C. (continued)- 1959: 6/3, 6/4, 6/9, 6/13, 6/22, 6/23, 6/25,
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 SHERRY, Arthur- 1960: 3/1, 6/9, 9/7, 12/27
 SHERWOOD, Don- 1959: 4/9
 SHERWOOD, Foster Hall- 1959: 2/6, 3/7, 3/9, 4/16, 4/18, 11/20; 1960: 9/15,
 9/21, 10/11, 11/16
 SHERWOOD, Thomas K.- 1958: 12/2; 1959: 4/27
 SHIFRIN, Seymour J.- 1959: 3/3, 10/27
 SHIGEKAWA, Wataru- 1959: 5/8
 SHIRER, George- 1960: 8/10
 SHIRLEY, David A.- 1958: 9/25, 10/2, 11/6, 12/4; 1959: 2/18, 6/24, 8/6, 9/27
 SHIVELY, Donald- 1958: 11/1; 1959: 2/25, 6/5, 6/20; 1960: 1/4
 SHIVELY, John- 1960: 10/24
 SHKURIN, Vladimir- 1960: 10/4
 SHORT, Alan- 1959: 10/31
 SHOSTAKOVICH, Dmitri- 1959: 10/27
 SHRIVER, Sargent- 1960: 12/6, 12/12, 12/20
 SHUCKS, Arthur- 1958: 10/9; 1959: 3/2
 SHULTZ, Claude- 1960: 3/25
 SHUMAN, Louisiana- 1959: 1/22
 SHUSTER- 1960: 10/8
 SHUTE, Ellison- 1958: 7/10; 1959: 3/12, 3/19; 1960: 6/8
 SHVETS, Ivan T.- 1960: 3/9
 SIBLEY, Carol- 1959: 2/10, 4/14
 SIEBERT, Jerry- 1959: 1/6, 3/7, 4/22; 1960: 6/17, 9/29, 10/24
 SIEGBAHN, Kai- 1958: 9/1
 SIEGBAHN, Manne- 1958: 8/18, 9/25, 9/30; 1960: 8/22
 SIEGEL, Sidney- 1958: 10/3; 1959: 7/16
 SIEMS, Edward H.- 1960: 1/7, 1/27
 SIENKO, Michell- 1960: 4/2
 SIHANOUK, Norodom- 1958: 10/15
 SIKKELAND, Torbjorn- 1958: 12/3; 1959: 4/23, 4/30, 5/7, 5/11, 5/12, 5/20,
 6/1, 8/13, 8/17, 8/19, 8/31, 9/2
 SILBER, Robert- 1959: 12/4; 1960: 1/9, 4/2
 SILLEN, Lars Gunnar- 1958: 9/22, 10/9; 1960: 8/1
 SILVA, Robert J.- 1959: 10/8, 11/10
 SILVA, Penildon- 1959: 7/9
 SILVAS, Harold J.- 1959: 9/27
 SILVER, Dan- 1959: 3/11; 1960: 2/8, 8/20, 9/27, 10/10, 10/11, 10/24, 10/28,
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 SILVER, Samuel- 1958: 8/7; 1959: 1/16, 3/9, 3/24, 5/21, 11/25, 11/30, 12/23;
 1960: 5/5, 5/23, 6/2, 10/4, 11/8, 11/28, 11/29, 12/1; 1961: 1/4, 1/27
 SIMMS, William "Pappy" E. (Commander)- 1959: 10/29
 SIMON, Alexander- 1959: 4/22, 5/4, 5/8
 SIMON, Herbert A.- 1960: 10/9
 SIMON, Lawrence "Bud"- 1960: 6/19
 SIMON, Norton- 1960: 6/17, 9/22, 12/13, 12/16
 SIMONIS, George P.- 1959: 2/26

SIMPSON, Ben & Lee- 1959: 3/7
 SIMPSON, Bernie- 1959: 3/7, 3/25, 6/20
 SIMPSON, John A.- 1959: 5/27, 6/9, 7/30, 8/6, 8/10, 8/11, 8/12, 10/26, 12/19
 SIMPSON, John L.- 1960: 5/26
 SIMPSON, Oliver C.- 1958: 9/25
 SIMPSON, Roy E.- 1959: 2/3, 2/20, 3/14, 4/16, 4/17, 5/27, 6/19, 8/3, 8/18,
 10/23; 1960: 1/22, 2/3, 4/7, 6/17, 9/22
 SINGLETON, C. Tod- 1959: 1/20, 6/20
 SISSON, David H.- 1958: 9/25, 10/2, 11/6
 SISSON, Winfield W.-1959: 3/11
 SIZER, Patricia- 1959: 5/22
 SKAGGS, Sanford- 1959: 6/26; 1960: 8/30
 SKINNER, Elmer- 1959: 5/7, 8/14
 SLATTERY, Waverly Jack "W. Jack"- 1959: 3/13, 3/16, 4/6, 10/31
 SLAYMAN, Charles H.- 1959: 10/12
 SLICHTER, Louis- 1959: 9/29
 SLIPHER, Vesto M.- 1959: 4/14; 1960: 1/20
 SMALL, Jim- 1960: 5/25
 SMELSER, Neil J.- 1960: 10/10
 SMILEY, Francis- 1959: 10/27
 SMITH, - 1959: 6/26
 SMITH, Neill- 1959: 6/10
 SMITH, Alden- 1959: 5/21
 SMITH, Brewster- 1960: 3/28, 11/29; 1961: 1/12
 SMITH, Charles E.- 1958: 11/26, 12/9, 12/16, 12/23; 1959:
 1/12, 2/4, 2/9, 2/10, 2/21, 2/24, 2/25, 2/27, 3/25, 4/9, 4/11, 4/16, 5/6,
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 SMITH, Charles R.- 1960: 2/9
 SMITH, Cyril- 1959: 1/29, 10/20
 SMITH, David P.- 1960: 3/31, 9/1
 SMITH, David R.- 1959: 12/11
 SMITH, Donovan E.- 1958: 8/20, 8/28; 1959: 6/26
 SMITH, Emil L.- 1958: 10/5
 SMITH, Gerald L. K.- 1960: 11/2
 SMITH, Gladys- 1959: 9/28, 11/1, 11/2; 1960: 8/27, 10/26
 SMITH, Henry Nash- 1958: 8/6; 1959: 2/24, 3/3, 3/8, 3/26, 4/9, 4/22, 4/23,
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 SMITH, Henry T.- 1959: 8/31
 SMITH, Kenneth- 1960: 8/9, 8/18
 SMITH, Mortimer- 1959: 9/17, 9/18, 11/20, 12/10; 1960: 2/19
 SMITH, Mortimer Jr.- 1958: 9/29; 1959: 1/22, 2/2, 2/5, 3/13, 3/20, 4/24, 5/7,
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 10/30, 11/20, 12/7, 12/10; 1960: 1/24, 2/5, 2/11, 2/19, 3/10, 3/21
 SMITH, Perry- 1959: 2/16
 SMITH, Ralph I.- 1959: 2/16, 3/9, 3/26, 4/? (check entry), 7/29; 1960: 4/20
 SMITH, Ray- 1959: 10/17
 SMITH, Ray F.- 1960: 2/4
 SMITH, Robert W.- 1959: 1/20
 SMITH, Ronald Kirk- 1959: 8/29
 SMITH, Vernon- 1959: 6/2, 6/11
 SMITH, Wendell- 1959: 1/27; 1960: 9/12
 SMYLIE, Robert E.-1959: 4/9
 SMYTH, Harry- 1961: 1/17

SNELL, Bruno- 1958: 9/22
 SNELL, Esmond E.- 1958: 10/5, 11/3, 11/6, 12/3, 12/23; 1959: 1/21, 2/3, 2/10,
 2/17, 2/18, 2/24, 3/26, 5/8, 5/12, 6/5, 6/9, 6/12, 6/22, 10/1, 11/12,
 12/7, 12/23; 1960: 1/6, 4/7, 4/12, 4/27, 8/5, 8/30
 SNIDECOR, John C.- 1960: 4/20
 SNOW, Charles P. (Sir)-1958: 11/6; 1959: 2/2, 2/20, 6/20; 1960: 10/4, 10/13,
 10/20, 10/22; 1961: 1/4, 1/6, 1/11, 1/22
 SNOW, Jeff- 1959: 12/7; 1960: 6/17, 10/24
 SNOW, Pamela (Lady)- 1960: 10/11; 1961: 1/4, 1/6
 SNOWDEN, Mrs. Frank J.- 1959: 3/24
 SNOWDEN, Wayne- 1959: 10/12
 SNYDER, Jim- 1960: 8/5
 SNYDER, Laurence H.- 1959: 8/28
 SNYDER, Nathan- 1958: 8/22, 9/13, 9/15; 1959: 5/17
 SNYDER, Paul R.- 1959: 8/7
 SNYDER, Rixford K.- 1958: 7/2, 8/6, 8/9, 8/12, 8/13, 8/15, 11/17, 11/25;
 1959: 1/22, 3/2, 10/12, 10/13, 11/3
 SNYDER, S. Benson- 1960: 8/8, 11/21
 SNYDER, Thomas- 1958: 9/1; 1959: 7/16
 SNYDER, William C.- 1959: 5/11, 5/20, 5/22, 10/1
 SOBEL, Morton- 1959: 5/12
 SODA, Chet- 1960: 2/21
 SODERBERG, C. Richard- 1959: 4/27; 1960: 5/7
 SOLARI, Geraldine- 1959: 6/26
 SOLLEN, Robert H.- 1959: 7/30
 SOLOMAN, Richard- 1959: 6/2, 6/13
 SOLOMON, Emmett G.- 1958: 11/17; 1959: 6/3
 SOLOMON, Ezra- 1959: 5/12, 5/20, 7/27, 7/30, 8/3, 8/5
 SOLOMONOW, Allen- 1959: 2/28, 10/13
 SOMMER, Fran- 1959: 2/9
 SOMORJAI, Gabor- 1958: 12/25
 SONTAG, Raymond J.- 1958: 11/6; 1959: 2/2, 3/3, 3/8, 5/6, 6/20, 8/25, 12/16;
 1960: 1/23, 3/28, 5/10, 9/15
 SOPIEE, Mohamed- 1959: 10/5
 SOROKA, Walter W.- 1960: 6/6, 6/7
 SOUSSELIER, Yves- 1958: 9/11
 SOUSTELLE, Jacques- 1959: 8/12, 9/23, 9/28; 1960: 1/12
 SOUTHWICK, Rod- 1960: 10/29
 SOWDEN, John C.- 1960: 10/13
 SPAHR, Blake L.- 1959: 3/13, 5/4, 5/21, 8/31
 SPANGLER, R. L.- 1960: 10/22
 SPANIER, Edwin H.- 1960: 11/29
 SPARKS, Hale- 1958: 11/10, 11/23
 SPARLING, W. H.- 1960: 2/19
 SPARROW, John- 1959: 2/24, 6/10; 1960: 11/4, 12/21
 SPAULDING, Bill- 1959: 12/14
 SPEAK, Carleton- 1960: 1/25
 SPEARS, Harold- 1959: 5/21
 SPEDDING, Frank- 1961: 1/3
 SPENCE, Robert- 1958: 9/9
 SPENCER, Eldridge T.- 1959: 6/24, 9/29, 11/10, 12/10, 12/21; 1960: 1/7, 1/29
 2/19, 3/3, 6/21
 SPENDER, Stephen- 1959: 2/21
 SPENS-BLACK, Sallie McKee- 1960: 10/13

SPIETH, Herman- 1958: 8/13, 11/20; 1959: 1/22, 2/18, 2/19, 2/20, 3/12, 3/13,
 4/16, 4/17, 4/22, 5/14, 5/15, 6/18, 6/19, 9/17, 9/18, 10/16, 10/23, 11/19,
 11/20, 12/10, 12/11; 1960: 1/20, 1/21, 1/22, 1/27, 2/17, 2/18, 4/20, 5/18,
 6/17, 8/11, 9/21, 9/22, 11/16
 SPIETH, Phil- 1960: 11/4
 SPILHAUS, Athelstan- 1959: 4/28, 9/15, 9/18, 10/20, 10/28
 SPINDLEY, Warren- 1960: 4/7
 SPINDT, Herman A.- 1958: 12/3; 1959: 1/15, 1/31, 2/4, 2/9, 2/11, 6/4, 6/21,
 6/26, 7/31, 10/12, 10/15, 11/12; 1960: 1/25, 2/17, 3/21
 SPINDT, Josephine (Mrs. Herman A.)- 1960: 3/21
 SPIRES, Priscilla- 1959: 6/26; 1960: 8/30
 SPITSYN, Victor I.- 1958: 9/8, 9/9, 11/7, 11/18, 12/1; 1959: 9/2; 1960: 7/27,
 8/2, 8/18, 8/26, 8/29, 10/19, 10/20, 10/21; 1961: 1/25
 SPITZER, Lyman- 1959: 9/15
 SPIVAK, Lawrence- 1961: 1/24
 SPIVEY, C. T.- 1959: 6/1
 SPRINGER, Russell S.- 1959: 4/17
 SPROUL, Allen- 1959: 6/9
 SPROUL, Ida- 1959: 3/6; 1960: 6/11
 SPROUL, John A.- 1959: 8/17, 9/24
 SPROUL, Robert Gordon, Sr.-1958: 9/12, 10/14, 12/5; 1959: 1/6, 1/8, 1/22,
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 SPROUL, Robert Gordon, Jr.- 1959: 9/1, 9/24
 STADTMAN, Verne- 1958: 8/20; 1959: 5/12, 5/19, 6/9
 STAFFORD, Dave- 1960: 3/18
 STAHLE, Nils K.- 1960: 8/31
 STALEY, Gerry- 1959: 9/30
 STAMPP, Kenneth M.- 1959: 3/18, 3/26, 4/16, 4/22, 5/20, 7/29, 11/6, 11/11
 11/25; 1960: 1/14, 5/10
 STAMPS, Sigrid- 1961: 1/31
 STANERSON, Bradford R.- 1959: 10/18, 10/20, 12/4; 1960: 1/9
 STANFORD, Eric M.- 1959: 11/30
 STANG, Louis G. J.- 1959: 3/2
 STANIER, Roger Y.- 1959: 2/7, 6/9, 6/12, 6/22, 6/26, 8/3, 11/2, 12/3, 12/7,
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 STANIFORTH, Bob- 1959: 2/9, 10/29
 STANLEY, Wendell M.- 1958: 7/14, 7/29, 8/7, 9/16, 9/23, 10/5, 11/3, 11/6,
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 STANLEY, Wendell Jr.- 1958: 12/21
 STANLY, Rowland- 1960: 12/8
 STANTON, Frank- 1959: 10/26; 1961: 1/5
 STARBIRD, Alfred D.- 1958: 9/9, 12/3; 1959: 1/3; 1961: 1/18
 STARKMAN, Ernest S.- 1959: 1/9, 5/20; 1960: 9/14, 10/4
 STARMENT, Frank- 1960: 2/5
 STARR, Mark- 1959: 1/24, 9/12; 1960: 2/13, 10/8
 STAUBER, Gene- 1959: 10/13
 STAUBUS, George J.- 1960: 10/10
 ST. DENIS, Dean- 1958: 8/8
 STEBBINS, Bob- 1960: 7/28, 11/3
 STEEL, Thomas- 1958: 9/25, 10/29, 11/26, 12/17, 2/4, 2/25; 1959: 3/8, 4/8,
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STEIDEL, Robert F., Jr.- 1960: 6/2
 STEINBECK, Jack- 1958: 11/2
 STEINBERG, Ellis- 1958: 10/9, 11/24
 STEINBERGER, Jack-1959: 4/27
 STEINER, Herb- 1960: 3/4, 5/3
 STEINER, Luke- 1960: 4/2
 STEINHART, Jesse H.- 1958: 8/29, 11/3, 11/6, 11/20, 11/21; 1959: 1/21, 1/22, 4/16, 4/17, 5/14, 5/15, 6/18, 6/19, 8/20, 9/17, 9/18, 10/11, 10/23, 11/19, 11/20, 12/9, 12/10, 12/11; 1960: 1/21, 1/22, 2/18, 5/18, 6/16, 6/17, 8/12, 9/22, 10/25
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 STRAUBEL, Susan Waltahl- 1959: 3/12
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 TAMM, Igor J.- 1958: 10/28
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 TRAUTMAN, DeForest L. "Woody"- 1959: 1/28, 2/3, 3/23, 4/6; 1961: 1/4
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 TRAYNOR, Harry- 1960: 8/2, 8/18
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 TREGEA, Forrest E.- 1959: 1/5, 3/27, 3/31, 4/8, 4/10, 5/4, 5/6, 12/22;
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 TRYTTEN, Merriam Hartwick- 1959: 2/16
 TSCHIRIGI, Robert D.- 1960: 2/10, 2/29
 TSIPELZON, Emmanuel- 1959: 8/31, 9/8, 9/21, 10/12, 10/13
 TUCK, Richard- 1959: 2/11, 2/20, 8/7, 9/3
 TUDDENHAM, Read D.- 1959: 5/20, 7/27
 TUKEY, John- 1959: 8/20, 10/20; 1960: 1/18, 4/18, 6/27
 TULLGREN, Al- 1958: 8/3
 TURKEVICH, Anthony- 1958: 10/9, 10/21; 1960: 10/3
 TURKEVICH, John- 1958: 9/9, 10/3
 TURKEVICH, Ludmilla (Mrs. John)- 1958: 9/9
 TURNBOW- 1959: 10/31
 TURNBOW, Grover- 1959: 5/7
 TURNER, Edward L.- 1959: 12/3
 TURNER, Francis J.- 1958: 8/8, 8/19; 1959: 3/31, 4/24, 5/5

TURNER, Gene- 1959: 2/26, 5/21
TWEEDY, Anne- 1959: 7/29
TWEEDY, Don- 1959: 7/29
TYLER, Frederick T.- 1958: 12/5; 1959: 4/14, 5/20, 5/21, 11/4, 11/25, 12/16;
1960: 2/24, 6/17
TYLER, Ralph- 1960: 4/7
TYLER, Ralph- 1959: 10/30, 11/23, 12/4; 1960: 1/9, 1/22
TYNDALL, D. Gordon- 1958: 11/26; 1959: 5/15, 6/19, 9/17, 10/15, 10/23, 1960:
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UCHIDA, D. T.- 1960: 9/30
UCHIDA, Yoshi- 1958: 7/28; 1959: 9/27, 11/23, 11/30, 12/3; 1960: 1/8, 1/11,
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UHLM, Al- 1959: 5/25
ULMAN, Lloyd- 1960: 5/10
ULRICH, Albert- 1959: 4/22
UNDERHILL, Robert M.- 1958: 11/20; 1959: 1/12, 1/22, 1/30, 2/20, 3/12, 3/13,
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UNIK, John P.- 1958: 7/17, 10/30, 11/6, 12/4; 1959: 8/6, 9/27
UNITAS, John- 1959: 12/5
UNTERMYER, Sam- 1959: 7/16
UPSON, Barry- 1958: 10/5
UREY, Harold- 1959: 2/9, 4/17, 6/21, 9/8, 9/29; 1960: 6/2
USINGER, R. L.- 1960: 4/20
UTTERBACK, Roy- 1959: 4/13

VAIDYANATHAN, Malathi- 1959: 3/10
VALENS, Evans "Red"- 1958: 7/13; 1959: 1/5, 1/27, 1/28, 1/29, 2/20, 3/30, 4/9,
6/10, 7/9; 1960: 8/17
VALENTINE, Robert- 1960: 10/4
VALYOCSEK- 1958: 11/2
VAN ALLEN, James- 1959: 5/1; 1960: 1/20
VAN ATTA, Chester M.- 1958: 9/10; 1959: 4/22, 5/21
VAN BOURG, Mitchell- 1959: 12/23
VAN CAMP, Brian- 1960: 9/27
VANCE, John F.- 1961: 1/10
VANCE, Stephen- 1958: 7/2; 1960: 8/16
VANCE, Weldon- 1959: 5/12; 1960: 4/6
VANDENBOSCH, Robert- 1958: 9/25, 10/9; 1960: 10/19
VANDENBOSCH, Sue (Mrs. Robert)- 1958: 10/9; 1960: 10/19
VANDERHOOF, Vertress L.- 1959: 7/1
VANDERRYN, Jack- 1959: 3/2
VANDERWILT, John W.- 1959: 12/12
VAN DYK, Leonardus- 1959: 9/22
VAN DYKEN, Allen R.- 1959: 6/11, 8/19
VAN HOFFA, - 1959: 3/31
VAN HORST, -1958: 8/1
VAN KESSEL, Gordon- 1959: 4/22
VAN MALEN, Nick- 1959: 10/13
VAN SANDT, Merritt "Muggs" E.- 1959: 4/24, 5/21, 10/27
VARVOULIS, George- 1959: 6/5
VASLOW, Fred- 1958: 10/7
VASSE, William W.- 1960: 1/27
VATTER, William J.-1959: 5/21

VAUDARIN, Jack- 1958: 10/7
 VAUGHN, John Vernon- 1958: 9/26, 11/20; 1959: 1/22, 2/5, 2/20, 2/19, 4/16,
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 VAUGHN, H. Leland- 1958: 10/22; 1959: 5/11, 5/22, 6/13, 6/22, 9/3
 VAUGHT, Robert L.- 1960: 10/10
 VAUX, Henry J.- 1958: 10/29, 11/26, 12/22, 12/23; 1959: 2/4, 2/25, 3/18, 3/25,
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 VAUX, Mrs. Henry- 1959: 6/10
 VDOVENKO, Viktor M.- 1960: 10/31, 11/3
 VERDUCCI, Joe- 1960: 1/11
 VERHAEGHE, J. L.- 1958: 12/8, 12/22
 VERHOOGEN, John- 1958: 12/19; 1960: 5/4
 VERHOOGEN, Robert- 1959: 4/22
 VERMEULEN, Theodore- 1958: 12/11; 1959: 1/22, 2/16, 5/2, 5/11, 11/11, 12/23;
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 VESPER, Howard- 1960: 2/25
 VEST, Grant- 1959: 12/4; 1960: 1/9
 VIALES, Lionel- 1958: 7/18, 12/19, 12/22; 1959: 1/5, 1/7, 1/13, 1/16, 1/19,
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 VICKERS, Jon- 1959: 10/11
 VIEDERMAN, Stephen- 1960: 3/8
 VIENOP, Lou- 1959: 3/16, 3/25
 VINOGRADOV, Aleksandr- 1958: 9/9, 10/3, 10/7
 VIOLA, Victor E.- 1958: 7/2, 9/25, 10/2, 10/30; 1959: 1/19, 2/4, 2/11, 2/18,
 4/8, 4/23, 5/11, 8/3, 8/6, 9/27, 9/30, 10/28; 1960: 1/25, 2/29, 5/13
 VIOLICH, Francis J.- 1958: 9/16, 10/22; 1959: 3/30, 4/22, 5/20/ 5/21, 8/5,
 9/3, 10/1; 1960: 5/11
 VISSCHER, Maurice- 1959: 4/28
 VITALE, Bill- 1959: 11/30
 VOELKER, John- 1958: 12/1
 VOLD, Mary Lou- 1960: 10/4
 VOLD, Robert & Margie- 1960: 10/4
 VOLWILER, Ernest- 1960: 5/17
 VOLZ, Albert G.- 1959: 2/7, 2/17, 7/29
 VON GUNTEN, Hans- 1958: 7/15
 VON KARMAN, Theodore- 1959: 8/28, 10/13
 VON KLEINSMID, Rufus B.- 1959: 8/12
 VON LAUE, Max- 1959: 2/1, 2/2
 VOTAW, Dow- 1958: 9/15; 1959: 1/8, 1/13, 1/19, 2/12, 3/10, 8/9, 11/30; 1960:
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 VOULKAS, Peter- 1959: 4/14
 VOVCHENKO, G. D.- 1959: 5/13, 10/30, 11/23
 VOYNE, Mechial- 1959: 6/26
 VYTLACIL, Nicholas- 1959: 2/24

WACHTER, Douglas- 1960: 5/12, 5/13
 WADMAN, William W.- 1960: 10/11
 WAGGENER, William C.- 1960: 10/6
 WAGNER, Albert R.- 1958: 10/29; 1959: 1/7, 2/4, 2/10, 2/25, 2/27, 3/25, 4/1,
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WAGNER, Fred & Myrtle- 1960: 8/7
 WAGNER, Freddie- 1960: 8/7
 WAGNER, Gus- 1958: 11/15
 WAGNER, Karen- 1958: 7/5; 1959: 10/11; 1960: 8/7, 10/18
 WAGNER, Richard- 1960: 12/1
 WAHL, Arthur C.- 1960: 5/5, 8/30, 10/13
 WAHLQUIST, John T.- 1959: 3/11, 3/17
 WAIT, Peter L. K.- 1958: 9/1
 WAITE, Richard Jr.- 1960: 8/19
 WAKELIN, James H. Jr.- 1959: 10/19
 WAKOSKI, Diane- 1959: 2/26
 WAKSMAN, Selmon- 1959: 4/17
 WALDIE, Jerome R.- 1959: 2/26, 3/12, 3/13
 WALDO, Dwight- 1959: 2/10, 3/11, 6/9; 1960: 3/29, 9/17, 10/9, 10/12; 1961: 1/12
 WALDORF, Lynn O. "Pappy"- 1959: 9/1
 WALDRON, M. B.- 1958: 9/5
 WALEN, Kirsten H.- 1959: 2/2
 WALEN, Robert B.- 1959: 9/17; 1960: 1/4
 WALGREN, Stanley W.- 1959: 5/21; 1960: 12/5
 WALKER, C. C.- 1959: 1/20
 WALL, Fred- 1959: 4/27
 WALL, Jeanne- 1960: 6/17
 WALLACE, Sid- 1959: 4/10
 WALLER, Ivar- 1958: 9/1, 9/3
 WALLING, M. T. Jr.- 1960: 8/23
 WALLMANN, James C.- 1958: 9/25, 11/6, 11/13; 1959: 3/2, 7/10; 1960: 12/12
 WALPOLE, Ronald N.- 1959: 3/13, 3/16, 3/26, 5/11, 5/22, 6/11, 12/9; 1960: 1/8,
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 WALSH, Bill- 1960: 3/4
 WALT, Harold Richard- 1959: 2/7, 7/29; 1960: 11/4
 WALTERS- 1959: 6/23
 WALTERS, Buck- 1959: 8/19
 WALTON, Jean- 1960: 1/7
 WANG, Kang- 1959: 5/2
 WARBURTON, Teddy- 1958: 11/15
 WARE, Willis H.- 1959: 9/16
 WARFIELD, Kenneth- 1958: 8/20; 1959: 4/10
 WARING, Fred- 1959: 12/31
 WARMAN- 1960: 7/8
 WARNECKE, John- 1959: 6/10; 1960: 12/21
 WARNER, John C.- 1959: 8/20, 8/31
 WARNER, John E.- 1961: 1/3
 WARNER, Susan- 1959: 6/26
 WARREN, Earl- 1958: 7/29, 12/8; 1959: 6/9, 7/30, 8/9, 9/22, 10/3, 10/13; 1960:
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 WARREN, Jon G.- 1959: 3/7
 WARREN, Robert Penn- 1959: 3/27, 4/24, 6/23
 WARREN, Ron- 1959: 3/18, 4/1; 1960: 1/20
 WARREN, Stafford L.- 1959: 9/17, 12/10, 12/11
 WARRICK, W. Sheridan- 1959: 5/21, 5/25, 5/29, 8/18, 9/21, 10/27; 1960: 10/24
 WARSAW, Irwin- 1959: 3/2
 WASHBURN, Henry Bradford Jr.- 1958: 10/5, 3/17
 WASHBURN, Sherwood- 1959: 3/17, 4/1, 4/7, 4/23; 1960: 6/10, 6/14, 12/29
 WASHINGTON, Corrine- 1960: 3/28, 9/24, 10/28

WATERMAN, Alan T.- 1958: 9/6; 1959: 1/29, 2/11, 2/13, 3/9, 4/20, 4/28, 6/17,
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 WATERS, Richard H.- 1960: 9/15, 10/1
 WATERS, Sylvia J.- 1959: 9/27
 WATKINS, Bert C.- 1959: 9/27
 WATKINS, Gordon S.- 1959: 2/20
 WATSON, Evelyn- 1960: 3/10
 WATSON, Francis- 1958: 12/5
 WATSON, G. M.- 1958: 10/8
 WATSON, James Dewey- 1959: 6/12; 1961: 1/9
 WATSON, John S.- 1959: 2/20, 3/12, 3/13, 4/15, 4/16, 4/17, 5/14, 5/15, 6/17,
 6/19, 9/17, 9/18, 10/23, 11/19, 11/20, 12/10, 12/11; 1960: 1/21, 1/22,
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 WATSON, Kenneth M.- 1958: 8/8; 1959: 1/22, 1/29, 7/10, 8/17; 1960: 4/4, 9/1
 WATSON, Norman- 1960: 10/21
 WATSON, Tom- 1959: 9/11
 WATT, (Miss)- 1959: 3/11
 WATT, George W.- 1958: 8/17; 1959: 5/4
 WATT, Ian P.- 1958: 9/23; 1959: 3/26, 4/23
 WATTENBURG, Willard- 1958: 12/4; 1959: 10/13
 WATTERS- 1959: 4/20
 WAY, Kay- 1959: 10/20
 WEAVER, Harold F.- 1959: 2/24, 3/11, 7/29, 8/31, 9/22; 1960: 4/4, 10/4
 WEAVER, James H.- 1959: 10/27
 WEAVER, Margot- 1959: 9/28
 WEAVER, Roscoe- 1958: 12/18; 1959: 2/20, 3/12, 3/13, 4/17, 5/15, 6/18, 6/19,
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 WEAVER, Tom- 1959: 12/4
 WEBB- 1959: 6/10
 WEBB- 1959: 9/17
 WEBB, James E.- 1959: 11/17; 1961: 1/10
 WEBB, John- 1960: 3/3
 WEBBER, Carroll- 1959: 3/23
 WEBBER, George L.- 1959: 4/7
 WEBBER, Melvin- 1959: 6/9
 WEBSTER, Valerie- 1960: 12/2
 WEDGWOOD, Josiah- 1960: 3/16
 WEDUM, Ellen- 1960: 10/4, 11/4
 WEEKS, Anson- 1959: 5/20
 WEEKS, Sinclair- 1959: 3/3, 5/5, 6/20
 WEHAUSEN, John V.- 1960: 2/8
 WEHN, Donald S.- 1960: 10/10
 WEIDENBAUM, Harold- 1959: 10/6
 WEIGEL, Fritz- 1958: 8/21
 WEINBERG, Alvin- 1958: 8/22, 8/31, 9/1, 9/8, 9/10, 10/3, 10/7; 1959: 3/2,
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 WEINBERGER, Caspar- 1960: 10/3
 WEINER, Gail- 1959: 5/8
 WEINER, Herman- 1958: 8/25, 8/26, 9/16, 9/17, 9/18, 9/25, 10/14, 10/18, 10/23,
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WEISS, David W.- 1960: 10/10
 WEISS, Lionel E.- 1960: 10/10
 WEISS, Paul- 1958: 10/5; 1959: 1/29, 4/20, 4/30, 6/16, 9/16, 11/16
 WELCH, James- 1960: 11/4
 WELCH, Thomas A.- 1958: 9/26
 WELD, William Ernest Jr.- 1958: 11/9
 WELL, Robert- 1959: 4/22
 WELLEK, Rene- 1960: 9/30
 WELLINGTON, Winfield Scott- 1959: 2/3, 2/18, 3/9, 3/26, 4/14, 6/24, 7/31, 9/29
 WELLMAN, Harry R.- 1958: 8/8, 8/13, 8/20, 8/26, 8/27, 9/22, 9/23, 9/30, 10/3,
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 WELLS, Clifford- 1959: 10/27, 11/9
 WELLS, Esther- 1958: 7/5, 7/6
 WELLS, Herman B.- 1958: 9/22; 1959: 1/24
 WELLS, Marvin- 1959: 3/13
 WELSH, Catherine- 1959: 3/31
 WENDT, Paul- 1959: 3/8, 11/30; 1960: 9/27
 WENNERBERG, Carl H.- 1958: 11/24; 1959: 10/12
 WERNER, Louis B.- 1958: 7/18
 WERNER, William G.- 1960: 10/22
 WERNING, Joe- 1958: 9/25
 WERT, Robert- 1960: 10/25
 WESSELS, Glenn A.- 1959: 2/7, 7/29
 WESSON - 1959: 9/4
 WEST, Guy- 1958: 10/27
 WEST, Jerry- 1959: 3/21
 WEST, Robert- 1958: 10/13, 11/19; 1959: 3/24, 6/10, 8/19; 1960: 3/3, 10/3,
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 WESTFALL, Dan- 1959: 9/27
 WESTFALL, Virginia- 1960: 8/16
 WESTMORELAND, William Childs- 1960: 9/14
 WHALEY, Randall M.- 1959: 4/28, 4/29, 5/26
 WHATLEY, Frederick R.- 1960: 10/10
 WHEDER, Terence- 1959: 11/24
 WHEELER, Benjamin Ide- 1960: 2/24, 5/12
 WHEELER, Charles- 1959: 5/26
 WHEELER, Mrs. Elliott H. - 1960: 6/7, 10/26
 WHEELER, John A.- 1958: 12/16; 1960: 5/2
 WHEELER, John T.- 1959: 8/13, 11/30; 1960: 9/1
 WHELOCK, Charles D.- 1959: 1/30, 2/7, 2/26, 2/27, 3/10, 5/15
 WHILDEN, Steve- 1959: 11/24
 WHINNERY, John C.- 1959: 11/11

WHINNERY, John R.- 1959: 1/16, 3/2, 3/3, 3/14, 3/18, 3/31, 5/17, 5/20, 6/16,
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 WHISTLER, Roy- 1959: 12/4; 1960: 1/9
 WHITAKER, Elliot L.- 1959: 11/11
 WHITE, Addison H.- 1959: 9/10
 WHITE, Don- 1959: 10/10
 WHITE, Harvey E.- 1958: 8/12, 8/14, 8/19, 8/25, 9/9, 9/15, 9/16, 9/17, 9/21,
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 WHITE, John F.- 1959: 1/24, 4/24, 9/12; 1960: 2/13, 10/8
 WHITE, Lawrence- 1959: 3/23
 WHITE, Lee- 1959: 1/27, 9/11; 1960: 9/12
 WHITE, Lynn- 1959: 8/24, 10/24
 WHITE, Mike- 1959: 10/13
 WHITE, Oliver- 1959: 8/19, 9/24, 9/28, 10/13
 WHITE, Stephen- 1960: 5/9
 WHITE, William Holly- 1959: 7/31
 WHITFIELD, Francis J.- 1958: 10/29; 1959: 3/26, 4/22, 5/22, 6/11, 6/24, 10/27;
 1960: 3/30, 12/1; 1961: 1/5
 WHITFORD, Albert E.- 1958: 12/9; 1959: 1/9, 4/22, 5/20, 7/29, 9/29; 1960: 3/28,
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 WHITMAN, Frederic B.- 1958: 11/17; 1959: 5/7, 6/3, 11/30
 WHITMAN, Walter- 1960: 5/7
 WHITNEY, Bill- 1959: 2/26
 WHITNEY, David C.- 1959: 1/18, 1/21, 9/27
 WHITNEY, James J.- 1959: 3/13, 3/26
 WICK, Oswald J.- 1959: 3/2
 WIDDOES, Lawrence C.- 1958: 7/15
 WIDENER, Warren- 1959: 4/22
 WIEGAND, Clyde E.- 1959: 10/29; 1960: 1/21, 3/4
 WIEGEL, Robert L.- 1960: 10/10
 WIESNER, Jerome- 1959: 4/20, 5/18, 9/15; 1960: 4/18, 5/16, 6/27, 12/19; 1961:
 1/19, 1/22, 1/24
 WIGGINS, Walter- 1959: 12/7
 WIGNER, Eugene- 1958: 9/10, 9/11; 1959: 12/2; 1960: 5/17
 WIGNER, Karen- 1960: 2/16
 WILBUR, Brayton- 1958: 11/17; 1959: 5/7, 6/3, 11/30
 WILBUR, James T.- 1958: 9/23
 WILCOTT, Scott- 1959: 6/26
 WILCOX, Howard A.- 1960: 1/6, 1/16
 WILETS, Lawrence- 1959: 8/29
 WILEY, Alexander- 1959: 6/22
 WILKE, Charles R.- 1959: 3/8, 3/26, 6/5, 9/1, 10/15; 1960: 12/14
 WILKES, Daniel M.- 1958: 7/14, 7/15, 7/28, 8/8, 8/13, 8/22, 8/23, 8/27, 8/28,
 9/16, 9/21, 10/13, 10/14, 10/21, 10/27, 10/31, 11/2, 11/3, 11/4, 11/9,
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LAWRENCE BERKELEY LABORATORY
TECHNICAL INFORMATION DEPARTMENT
UNIVERSITY OF CALIFORNIA
BERKELEY, CALIFORNIA 94720
