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UNIVERSITY OF CALIFORNIA

Radiation Laboratory

Contract No. W-7405-eng-48

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL INFORMATION DIVISION DURING THE PERIOD OF AUGUST 1-15, 1954

August 19, 1954

LIST OF CODES FOR REPORT NUMBERS

ACCO -American Cyanamid Co. AERE -Atomic Energy Research Establishment, Harwell, England -Air Force Cambridge Research Center AFCRC AMRL -Army Medical Research Lab., Fort Knox ANL -Argonne National Lab. ANP -Aircraft Nuclear Propulsion Project, Oak Ridge APEX -General Electric Co., Aircraft Gas Turbine Div. ASTIA -Armed Services Technical Information Agency BM-Bureau of Mines BM-II -Northwest Electrodevelopment Lab., Bureau of Mines, Albany, Oregon BMI -Battelle Memorial Institute BNL -Brookhaven National Lab. BRL -Ballistic Research Labs., Aberdeen Proving Grounds CEA -Commissariat à l'Énergie Atomique, France CEI, CRC, CRE, CRP, CRT and others -Chalk River Project, Canada CEPS -Commonwealth Edison Co. CERN -European Council for Nuclear Research CF -Oak Ridge National Lab., Central Files CU -Columbia University DC -General Electric Co., ANP Project DOW -Dow Chemical Co. DP -E.I. du Pont de Nemours and Co. FMPC -National Lead Co. of Ohio HW -Hanford Works, Richland, Wash. ISC -Iowa State College **JENER** -Jount Establishment for Nuclear Energy Research, Norway -Carbide and Carbon Chemicals Co., K-25 Plant KAPL -Knolls Atomic Power Lab. KLX -Vitro Corp. of America LA, LADC, LAMS -Los Alamos Scientific Lab. LRL, LWS -California Research and Development Co. MIT -Massachusetts Institute of Technology MLM -Mound Lab. Monograph -Bell Telephone System MTA -California Research and Development Co. NAA -North American Aviation, Inc. NBS -National Bureau of Standards NM -Naval Medical Research Institute NRL -Naval Research Lab. ONRL -Office of Naval Research, London ORNL -Carbide and Carbon Chemicals Co., Oak Ridge National Lab. PR-Chalk River Project, Canada

SEP -Sylvania Electric Products, Inc.

TEI, TEM

TID

-U.S. Dept. of Interior, Geological Survey -Technical Information Service, Oak Ridge

UCLA -Univ. of California at Los Angeles

UR -Univ. of Rochester

USNRDL -U.S. Naval Radiological Defense Lab.

WAPD -Westinghouse Electric Corp., Atomic Power Division

Y -Carbide and Carbon Chemicals Co., Y-12 Plant

Many prefixes used for research and development reports cover a number of installations. NP("Non-Project") numbers are assigned by the Technical Information Service at Oak Ridge to those reports which it receives from sources not under contract to the Atomic Energy Commission. The UCRL Information Division gives "Misc" numbers to any others received here that do not bear an identifying number. Many reports are grouped together under numbers corresponding to an AEC division or operations office. Some of these are as follows:

CO, COO -Chicago Operations Office
IDO -Idaho Operations Office
NYO, NYOO-New York Operations Office
ORO -Oak Ridge Operations Office
RMO -Raw Materials Division
WASH -Atomic Energy Commission, Washington

In our semimonthly "List of Reports Received" the originating installation will be placed in the author column whenever the report code number does not indicate a specific laboratory, or is obsolete or not given in this list.

Two series of translations are currently received, one sponsored by the AEC (AEC-tr), the other by the National Science Foundation (NSF-tr).

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL INFORMATION DIVISION DURING THE PERIOD OF AUGUST 1-15, 1954

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*AD-9426	Radiation Sensitive Glasses. Quarterly Report No. 3	L. Reiffel	3/10/53
*AEC-TR-1737	The Effect of Roentgen Radiations on the Connective Basophile Granulous Cells (Mastzellen) of the Skin of Man	A. Novaro	1952
*AECD-2635	Master-Slave Manipulator	R. Goertz	3/7/49
*AECD-2748	The Beta-Gamma Surface Dosage Rate from Natural Uranium	B. Kalmon	8/22/49
*AECD-2828	An Interspecies Comparison of the Radiotoxicities of X Ray, SR ⁸⁹ , and PU ²³⁹	C. Prosser M. Swift	6/49
*AECD-2892	A Rapid Sensitive Direct Method for the Routing Determination of Radium in Urine and Other Biological Materials	E. Russell R. Lesko J. Schubert	2/28/50
*AECD-3291	Treatment of Radioactive Waste Solutions	C. Hirsch	1/4/52
*AECD-3296	Excerpts from The Metabolism of Carrier-Free Fission Products in the Rat	K. Scott R. Overstreet, et al	1/25/52 1
*AECD-3354	Medical and Health Physics Quarterly Report; July, August, and September, 1951		11/5/51
*AECD-3361	Handbook on Air Cleaning (Particulate Removal)	S. Friedlander, et al	1 4/18/52

*AECD-3629	Fixation of Mixed Fission Product Activity by Soils of the Savannah River Project	T. Tesdahl, et al	2/25/52
*AECD-3632	Decontamination of Liquid Wastes by Iron Sulfide, Iron Hydroxide, and Calcium Phosphate Precipitations	C. Lowe, et al	12/28/53
*AECU-7	The Induction of Mutations in Paramecium Aurelia by Beta Radiation	R. Kimball	10/29/48
*AECU-8	Enzymatic Hydrolysis of Peptides of Asparagine	C. Carter	11/2/48
*AECU-17	A Study of Blood and Salivary Lysozyme in the X-Irradiated	L. Bennett, et al	11/1/48
*AECU-18	Dog The Inhalation Toxicity of Sodium Acid Sulfate Mist at 75 Mg/ _M 3 in Animals	G. Sprague, et al	11/12/48
*AECU-147	A Two-Week Beryllium Sulfate Mist Inhalation Study in Animals at a Concentration of 100 ${\rm MG/M}^3$	G. Sprague, et al	1949
*AECU-165	The Inhalation Toxicity of Beryllium Sulfate Mist in Animals at a Concentration of 10 MG/M3 for 95 Days	G. Sprague, Jr., et al	2/24/49
*AECU-374	Toxicity of Tellurium	P. Glass	7/25/47
*AECU-2425	Lanthanum and Other Rare Earth Elements, Calcium and Phosphorus in Cancer 5-1-51 - 4-30-52		
*AECU-2450	Potentialities of Utilizing Padiation from Fission Mater- ials for the Production of Canned Meat Products	L. Brownell L. Kemps J. Graikoski	1952
*AECU-2623	The Effects of Large Doses of Parathyroid Extract, Vitamin D, and Dihydrotachysterol on Mice and Rats Following Administration of Radioactive Calcium and Strontium	W. Anderson G. Zander	the things
*AECU-2652	Progress Report	Harvard Univ.	1/1/53

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*AECU-2653	Rate of Uptake and Toxic Dose on a Spore Weight Basis of Various Fungicides	L. Miller S. McCallan R. Weed	1953
*AECU-2654	The Chemistry and Biosynthesis of Isotopically Labeled Cellulose. Progress Report, April 10, 1953		
*AECU-2659	The Effects of Starvation on Photoreactivation in Colpidium Colpoda	A. Giese, et al	1953
*AECU-2665	Concentration of Radioisotopes by Activated Sludge; Progress Report Covering Period April 1, 1952 to May 31, 1953	W. Kaufman G. Klein A. Greenberg	5/31/53
*AECU-2674	Formation of 5'-Ethylthioadenosine from DL-Ethionine in Yeast	F. Schlenk J. Tillotson	1953
*AECU-2677	Brain Potassium Exchange in Normal Adult and Immature Rats (thesis)	R. Katzman P. Leiderman	1953
*AECU-2680	Studies on Low Dose X-Irradiations and its Effect Upon the Biochemistry and Pathology of the Dog. Progress Report, June 1952 to May 1953	P. Phillips	1953
*AECU-2681	Thebiosynthesis of Nucleic Acids in the Livers of Adult Mice	J. Fresco A. Marshak	
*AECU-2682	A Hemorrhagic Disorder Occurring in Patients with Congenital Heart Disease	R. Hartmann	
*AECU-2683	The Metabolism of Pregnane-17 α , 21-DIOL-3, 20-DIONE and Pregnane-17 α , 21-DIOL-3, 11, 20-TRIONE in Vivo	F. Ungar, et al	1953
*AECU-2695	The Effects of Irradiation from Atomic Bomb Fall-Out Upon a Group of Hereford Cattle (thesis)	J. Bird	3/52
*AECU-2697	Effects of Ionizing Radiations (and other Agents) on the Developing Mammal	S. Hicks	·

*AECU-2705	The Physiology and Genetics of Plant Pathogenic Micro- organisms when grown in the Presence of Various Radio- isotopes	T. Kommedahl, et al	6/53
*AECU-2710	(Utilization of Fission Products) Gamma-Ray Sterilization of Food Packaging Materials	L. Kempe J. Graikoski L. Brownell	1953
*AECU-2718	Utilization of Gross Fission Products. Progress Reports (of University of Chicago, Food Research Institute, and American Meat Institute Foundation) for Period Ending March 31, 1953	J. Baarli, et al	
*AECU-2723	Specificities of the Binding to Rabbit Serum	D. Pressman M. Siegel	1953
*AECU-2724	The Sedimentation Behavior of the Thyroxine-Binding Protein of Human Serum in the Ultra-Centrifuge Partition Cell	M. Petermann J. Robbins M. Hamilton	1953
AECU-2725	Identification of Thyroglobulin in Human Serum After Large Doses of I ¹³¹ . 2. Sedimentation of Serum I ¹³¹ in the Ultracentrifuge		
*AECU-2726	On the Nature of Xanthine and Substituted Xanthines in Solution	L. Cavalieri, et al	1953
*AECU-2730	Removal of Radioisotopes by Sewage Treatment Processes. Progress Report No. 2 Covering the Period April 1, 1952 to May 31, 1953. Concentration of Radioisotopes by Activated Sludge	W. Kaufman G. Klein A. Greenberg	5/31/53
*AECU-2750	A Device for Placement of Cobalt-60 Within Rigid or Flexible Tubing for Use in Cancer Therapy	G. Callendine, Jr. J. Morton	1953
*AECU-2753	The Entry of Nutrients Through the Bark and Leaves of Deciduous Fruit Trees as Indicated by Radioactive Isotopes (thesis)	R. Ticknor	1953

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AECU-2764	Research Pertaining to X-Radiation Damage in the Parasitic Wasp, Habrobracon. Final Report for the Period July 1, 1950 to August 31, 1953	A. Clark	11/30/53
*AECU-2772	Studies on Sodium Desoxyribonucleate From Pneumococcus Type III.	V. Koenig L. Larkins J. Perrings	1953
*AECU-2768	Sedimentation and Viscosity Studies on the Capsular and Somatic Polysaccharides of Pneumococcus Type III	V. Koenig J. Perrings	1953
*AECU-2775	The Metabolism of C^{14} Labeled Ethylenediaminetetraacetic Acid in Human Beings	H. Foreman T. Trujillo	1953
*AECU-2781	Effect of Nutritional State on Photoreactivation in Didinium Nasutum	A. Giese C. Brandt D. Shepard	1953
*AECU-2833	Isolation of C^{14} Labeled DPN and TPN By Paper Chromatography from Lactobacillus Flantarum	I. Boone D. Turney K. Woodward	1953
*AECU_2835	Specific Ionization and Relative Biological Effectiveness of Ionizing Radiations in Mammalian Systems. The Application to the Problem of Cosmic Ray Hazards	J. Storer A. Krebs J. Furchner	1954
*AECU-2836	The Treatment of Post-Irradiation Infection	C. Hammond	1953
*AECU-2837	Oxidation Bonds - Radioactivity Uptake and Algae Concentration	E. Steel E. Gloyna	2/28/54
*AECU-2849	Cytology of Bacteria. 1. The Bacterial Cell	S. Mudd	1954
*AECU-2859	Evaluation of Laboratory Fume Hoods	H. Schulte, et al	1953
*AECU-2867	Biochemical Aspects of Atherosclerosis	G. Gould	1953
AECU-2885	Investigation of Gamma Sterilization, Research Report No. 5-53	B. Morgan Nat'l. Canners Assoc	6/53

AECU-2886	Investigation of Gamma Sterilization, Research Report No. 7-53		Morgan t'l. Canners Assoc	12/53
AERE-I/R-1386	The Preparation for Dispensing of Miscellaneous Radio- isotopes	At	Hudswell, et al omic Energy Res. E rwell, Berks., Eng	
AERE-M/M-71	The Construction and Calibration of a 100 Curie Gamma Irradiator	0.	Charlesby Flint omic Energy Res. E	5/13/54 stab.
*AMRL-94.	A Study of Combined Thermal Radiation Burn and X-Irradiation Effects on Mice	Ŵ.	Parr, et al	9/4/52
*AMRL-110	The Influence of Ionizing Radiation on Mitosis in the Corneal Epithelium of the Rat. 1. Morphological Changes Induced by X-Irradiation and the Effectiveness of Bal and Cysteine in Reducing the Frequency of These Changes	R.	Ransom	1/12/53
*AMRL-119	Histopathology of the Rat Pituitary Following Total Body X-Irradiation		Korson Botkin	7/9/53
MISC-1954-36	Radiological Health Handbook		Kinsman, et al S. Dept. of Health	4/54 h
*ML - 166	Development of 6 Mev Linear Accelerator for Medical and Radiographical Applications. Status Report (For) March 1 - May 31, 1952		. •	٠.
*ML-167	Development of 6 Mev Linear Accelerator for Medical and Radiographical Applications. Status Report (For) June 1 - August 31, 1952			
MONOGRAPH-2212	Soil-Block Bioassay of a Creosote Containing Penta- chlorophenol	L.	Snoke	2/54
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NYO-4439	A Study of the Lime-Soda Softening Process as a Method for Decontaminating Radioactive Waters	R.	McCauley Lauderdale Eliassen T	9/1/53
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NYO-4961	The Use of P ³² in the Identification of Intraocular Tumors	J.	Krohmer, et al	6/23/54
*ORO-77	Agricultural Research Program Quarterly Progress and Work Accomplishment Report for Quarter Ending June 30, 1952	Te	nnessee Univ.	
ORO-104	Studies of Liver Physiology and Pathology Involving the Use of Bromsulfalein Containing S ³⁵ . Final Report	J.	Brauer Krebs Pressotti	1952
ORO-116	Quarterly Progress Report (For) October 1-December 31, 1953	OR	Inst. of Nuclear Studies	·
UCLA-300	An Empirical Treatment of the Porosity Function in the Kozeny Equation		Burke, Jr. Baurmash	7/29/54
UR-332	In <u>Vivo</u> Localization of Labeled Rat Adrenal Antibodies		Spar Bale	6/16/54
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UR-335	Study on Flash Burns: The Influence of Ultraviolet Radiation on the Production of Cutaneous Burns	ĸ.	Berkley	7/1/54
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*UUT-2	Shielding Efficiency of Remote Handling Cell and Monitoring Room. (Dugway Project)	K.	Abel Anderson Campagna	1/27/54

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ACCO-49	Chemistry of Vanadium, A Summary of the Non-Project Literature Through November, 1952	Α.	Frank	6/25/54
*AD-10934	Preparation of NO-NO ₂ Mixtures from the FMC Nitrogen Fixation Furnace. Progress Report No. 7		Engler Lindsay	1/53
*AEC-TR-1591	Preliminary Experiments on the Electrodeposition of Titanium and Its Alloys		Gratsianskii Vo v kogon	1953
*AEC-TR-1678	The Reaction of Nitrites with Amino-Sulfonic Acid and an Identification and Determination of Nitrous Acid in the Presence of Nitric Acid		Baumgraten Marggraff	1930
*AEC-TR-1680	Observation on the Determination of Nitrogen in Gaseous Mixtures	L.	Chopin	1946
*AEC-TR-1681	A Rapid Method for Qualitative Analysis: I. Some Specific Reactions of Ordinary Cations and Anions	G.	Gutzeit	1952
*AEC-TR-1685	Apparatus for the Determination of Impurities in Inert Gases	Ρ.	Burbo	1953
*AEC-TR-1687	Accumulation of Heavy Water by Counter-Currect Electrolysis		Martin Ruhtz	1950
*AEC-TR-1689	The Preparation of Lithium Hydride		Albert Mahe	1950
*AEC-TR-1717	A New Method for the Determination of Lithium Oxide by Means of Fluorides	Å.	Carnot	
*AEC-TR-1718	The Determination of Lithium Oxide	A.	Carnot	1953
*AEC-TR-1740	A Metallic Compound of Lithium and Ammonia. Electrical Conductivity and Galvanomagnetic Effect	Ĥ.	Jaffle	1939
*AECD-2324	Radioactive Tracers		Reid Weil	

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*AECD-2740	The Preparation of Uranyl Carbonate and Measurement of Its Solubility	P. Miller H. Pray H. Munger	8/1/49
*AECD-2861	The Use of Ether Extraction for the Analytical Separation of Uranium	N. Furman R. Mundy G. Morrison	
*AECD-2863	The Entropy and Low-Temperature Heat Capacities of Neptunium Dioxide	E. Westrum, Jr. J. Hatcher D. Osborne	7/28/50
*AECD-2870	The Fluorophotometric Determination of Uranium	G. Price R. Ferretti S. Schwartz	4/47
*AECD-2940	The Nephelometric Determination of Chloride in Uranium	S. Wexler L. Myers	5/10/50
*AECD-3112	Microestimation of Vanadium in Uranium	G. Cowan	3/22/51
*AECD-3114	The Diphenylcarbazide Method for Chromium	G. Fassett, et al	3/22/51
*AECD-3115	Polarographic Determination of Lead in Beryllium	R. Bane	1946
*AECD-3131	A Rapid Determination of Bismuth	A. Stehney G. O'Conner H. Potratz	3/30/51
*AECD-3140	Progress Report on Carnotite Studies; Carbonate Process	K. Brown C. Coleman	7/49
*AECD-3293	Reactions Involving Optically Active Styrene Oxide	F. Hayes R. Foss B. Rogers	1/14/52

^{*}Microcard

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*AECD-3295	Evaluation of a Cottrell Electrostatic Precipitator on a Radiochemical Process off-Gass System	J. Suddath	11/26/51
*AECD-3309	A Survey of Calutron Charge Materials for Stable Isotope Separations	C. Keim	11/14/51
*AECD-3319	Micro Syntheses with Tracer Elements. XXXI. The Synthesis of Ethylenediamine Tetra- $(2-C_4^{1/4}-Acetic)$ Acid	A. Murray, III A. Ronzio	2/25/52
*AECD-3338	Radiochemical Pilot Plant Development at the Oak Ridge National Laboratory	H. Jackson J. Ullmann	2/4/52
*AECD-3380	RaD Purification, Po Preparation, and Calibration of Measuring Apparatus	R. Prestwood	1/21/54
*AECD-3416	The Determination of Oxygen in Sodium	J. White W. Ross R. Rowan, Jr.	4/30/52
*AECD-3422	Effect of Fluoride on the Gravimetric Determination of Zirconium in Zirconium Fluoride	R. McCutchen C. Susano	6/3/52
*AECD-3426	Determination of Nitrogen Present as Ammonia and Nitrate in Uranyl Sulfate and Uranium Oxides	W. Wright, Jr.	11/23/51
*AECD-3443	The Crystal Structures of NpC and Pu ₂ 0 ₃	D. Templeton C. Dauben	7/14/52
*AECD-3447	Protactinium (IV) in Solution	S. Fried J. Hindman	7/52
*AECD-3488	The Electrical Conductivity of Uranyl Sulfate and Uranyl Fluoride in ${\tt Aqueous}$ Solution	R. Brown, et al	1952
*AECD-3489	Neutron Activation Analysis: A Useful Analytical Method for Determination of Trace Elements	G. Leddicotte	1/2/53
*AECD -3491	Colorimetric Determination of Zirconium	H. King W. Owens	10/27/52

AERE-M/R-1410 The Thermal Decomposition of Beryllium Hydroxide

AERE-GP/M-167 Preparation of Anhydrous Tungsten Hexachloride

Solutes Between Solvent and Aqueous Phases

Atomic Energy Res. Estab.

P. Murray 3/31/54

2/17/54

R. Thackray Atomic Energy Res. Estab.

C. Richards
M. Smith

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*AF-TR-6519 (pt. 2)	Materials for Handling Fuming Nitric Acid. Part 2. Properties of Fuming Nitric Acid with Reference to its Thermal Stability	M. Fontana	11/52
ANL-5251	A Mass Spectrometer for Routine Solid Analyses	C. Stevens M. Inghram	4/54
ANL-5271	Revised Radiochemical Iodine Analytical Procedure	E. Turk	7/54
*AECU-10	Bibliography: The Analytical Chemistry of Beryllium	C. Banks J. McClure H. Meek	10/48
*AECU-34	Physical Properties of Chlorotrifluoroethylene Polymers. III. Density and Viscosity of Chlorotrifluoroethylene Polymers as a Function of Temperature	J. Gabbard R. Alvarez, et al	12/31/48
*AECU-46	Preparation of Metalic Nickel Films by Means other Than Electro-Deposition and Vacuum Sublimation	F. Croxton	12/24/48
*AECU-48	Note on Improvements in Spectrochemical Techniques	E. Leslie	12/28/48
*AECU-50	Conference on the Chemical Effects of Nuclear Transformations (Hot Atom Chemistry); Chemistry Conference #1; Aug. 19-20, 1948	Brookhaven Nat'l. La	ab.
*AECU-57	A Micro Method for the Determination of the Nucleic Acids	R. Steele T. Sfortunato L. Ottolenghi	
*AECU-133	Physico-Chemical Studies of Beryllium Complexes. I. Complexing of Beryllium By Citrate	I. Feldman W. Neuman, et al	1/19/49
*AECU-170	Studies in the Hyaluronidase - Hyaluronic Acid System; I. The Effect of X-Irradiation on Hyaluronic Acid	A. Mathis R. Brooks H. Schneiderman	2/11/49
*AECU-2656	Concentration of Nitrogen 15 by Chemical Exchange Between NO ₂ and NO; Semi-Annual Progress Report for Period from June 15, 1952 to January 15, 1953	W. Spindel E. MacLaren, et al	

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*AECU-2657	Acid-Base Exchange Reactions in Liquid Hydrogen Sulfide		Norris Smith	1951
*AECU-2661	The Separation of Sodium from Potassium by Means of Ion- Exchange Chromatography	A.	Arons Solomon Brigham Hosp., E	1952 coston
*AECU-2693	Kinetics of the Alkaline Decomposition of 1,3-Dinitro-1, 3-Diazacyclopentane	W.	Jones	1953
*AECU-2700	A New Form of Uranium Hydride	F.	Mulford Ellinger Zachariasen	1953
*AECU-2701	A Spectrophotometric Investigation of the Equilibria Existing in Acidic Solutions of Chromium (VI)		Tong King	1953
*AECU-2708	Sulfostyrenes. Preparation and Polymerization of Potassium p-Vinylbenzensulfonate		Wiley, et al Smith	1953
*AECU-2727	The Crystal Structure of NaHg2, NaHg and Na3Hg2		Nielsen Baenziger	1953
*AECU-2728	The Crystal Structures of ZrBeSi and ZrBe2		Nielsen Baenziger	1953
*AECU-2748	The Vapor Phase Photolysis of Methyl Cyclopropyl and Methyl Cyclobutyl Ketones (thesis)	I.	Norman	6/53
*AECU-2751	Ion Exchange of Trace Components in a Counter-Current Equilibrium Stage Contactor. Technical Report No. 3		Hiester Phillips, et al	4/1/53
*AECU-2752	An Investigation of Certain Physical Properties of Halogen Fluorides (thesis)	Н.	Thompson, Jr.	1953
*AECU-2761	Infrared Absorption Spectra of Aqueous HF2, DF2 and HF		Jones Penneman	1953

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*AECU-2777	Infrared Absorption Studies of Aqueous Complex Ions: Part 1. Cyanide Complexes of Ag(I) and Au(I) in Aqueous Solution and Adsorbed on Anion Resin	L. Jones R. Penneman	1953
*AECU-2778	The Infrared Spectra of Some Phenloxazoles and Related Compounds	V. Koenig F. Hayes, et al	1953
*AECU-2788	A Study of Properties of Nonelectrolytic Solutions. Final Report	S. Wood	10/53
*AECU-2793	Thermolysis of Zinc-Monosalicylaldoxime	J. Rynasiewicz J. Flagg	1953
*AECU-2799	Polarized Infrared Spectrum of KAu (CN)2: Revision and Refinement	L. Jones	1953
*AECU-2808	The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. 2. <u>p</u> -Nitrobenzyl Iodide	E. Purlee M. Kahn J. Riebsomer	1953
*AECU-2815	The Infrared Spectrum of \mathcal{S}_2 for $B^{10}F_3$ and $B^{11}F_3$	A. Nielsen	12/10/53
*AECU-2832	A Method for Measuring Thoron	S. Shlaer	
*AECU-2834	Annual Report on the Study of the Kinetics of Rapid Reactions	W. Schrenk R. Peabody	2/54
*AECU-2838	Micro Syntheses with Tracer Elements. 34. The Synthesis of C ¹⁴ Labeled Caffeine	A. Murray, III A. Ronzio	1953
*AECU-2841	The Solubility of Uranium (IV) Hydroxide in Solutions of Sodium Hydroxide and Perchloric Acid at 25° C	K. Cayer H. Leider	1954
*AECU-2842	The Solubility of Thorium Hydroxide in Solutions of Sodium Hydroxide and Perchloric Acid at 25°C	K. Gayer H. Leider	1954
*AECU-2843	The Solubility of Uranium Trioxide, UO3.H2O, In Solutions of Sodium Hydroxide and Perchloric Acid at 25° C	K. Cayer H. Leider	1954

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*AECU-2844	Induction of Chemical Reaction in a High Frequency Discharge, Technical Report No. 1. Fixation of Nitrogen	W. Partridge B. Zwolinski R. Parlin	6/30/53
*AECU-2846	The Infrared Absorption Spectra of Nucleic Acids, Amino Acids and Related Compounds. Final Report		1952
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*AECD-3252	Some Tests of the Diffraction of Blast Waves	M. Merritt	7/7/51
*AECD-3355	Boundary Disturbances in High Explosive Shock Tubes	R. Shreffler	3/31/52
*AECD-3357	Report on the Investigation of Betatron Radiographic Techniques	C. Smith	4/30/51
*AECD-3364	Fast Jets From Collapsing Cylinders	F. Willig F. Lucy R. Shreffler	1/18/52
*AECD-3366	Thermodynamic Properties of Air	W. Baker	4/23/52
*AECD-3379	Energy Distributions of Fragments from the Fission of U^{235} , U^{238} , and Pu^{239} by F_a st Neutrons (thesis)	J. Wahl	4/29/52
*AECD-3385	The Neutron Spectrum of a Radium-Beryllium Photo Source; Excerpt from ANL-4476	C. Effler	7/5/50
*AECD-3398	A Theoretical Equation of State for Detonation Products of Solid Explosives. I. A Free Volume Equation of State for Mixtures	Z. Salzburg	9/4/51
*AECD-3399	The Half-Life of Am ^{242m} for Negative Beta-Particle Emission	T. Keenan R. Penneman B. McInteer	4/23/52
*AECD-3408	The Slowing Down Distribution to Indium Resonance of Fission Neutrons from a Point Fission Source in Two Mixtures of Aluminum and Light Water, 1:1 and 1:2 by Volume	L. Roberts T. Fitch	2/23/49
*AECD-3409	Proposed Experiment to Determine the Energy-Ionization Relation for Fission Fragments	H. Schmitt R. Leachman	4/28/52
*AECD-3439	Concerning the Possible Occurrence of Si ³² in Nature	A. Turkevich A. Tompkins	6/51

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*AECD-3547	The Energy Distribution of Slowed Fission Fragments		Northrop Brolley, Jr.	9/8/53
*AECD-3558	Separation of a Shock Wave Into Elastic and Plastic Waves, and Measurement of the Pressure of the Elastic Wave. (with Addendum)	S.	Minshall	6/17/53
*AECD-3595	Multigroup Methods for Neutron Diffusion Problems		Hurwitz, Jr. Ehrlich	9/10/53
*AECD-3597	Nuclear Charge Distribution in U ²³⁵ 14 Mev Neutron Fission	Ġ.	Ford	1953
*AECD-3598	Total Neutron Cross Section for Uranium from 20 Kev to 20 Mev	R.	Henkel, et al	1953
*AECD-3604	6.70 ev Resonance in U ²³⁸	J.	Levin	11/9/53
*AECD-3605	Interpretations of the Velocity Distributions of Slowed Fission Fragments		Schmitt Leachman	1953
*AECD-3611	Metal Equation of State From Shock Wave Studies	J.	Walsh	1953
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*AECD-3613	X-Ray Scattering By Lattice Defects in Neutron Irradiated Single Crystals of Boron Carbide		Tucker, Jr. Senio	1954
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*AECD-3620	Applications of High Explosives and High Speed Photography To Physical Research Experiments	F.	Willig	1.4
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