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

August 19, 1954

Berkeley, California

LIST OF CODES FOR REPORT NUMBERS

ACCO -American Cyanamid Co.
AERE -Atomic Energy Research Establishment, Harwell, England
AFCRC -Air Force Cambridge Research Center
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
K -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 -U. S. Dept. of Interior, Geological Survey
TID -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

Radiation Laboratory, Department of Physics
University of California, Berkeley, California

August 19, 1954

Index Number	Title	Author	Date
	BIOSCIENCES		
*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 Determina- tion 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
*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	4/18/52

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*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 Dog	L. Bennett, et al	11/1/48
*AECU-18	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 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/M ³ 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 Radiation from Fission Materials 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 Dihydratachysterol on Mice and Rats Following Administration of Radioactive Calcium and Strontium	W. Anderson G. Zander	
*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	The biosynthesis 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	

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- *AECU-2705 The Physiology and Genetics of Plant Pathogenic Microorganisms when grown in the Presence of Various Radioisotopes T. Kommedahl, et al 6/53
- *AECU-2710 (Utilization of Fission Products) Gamma-Ray Sterilization of Food Packaging Materials L. Kempe 1953
J. Graikoski
L. Brownell
- *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 1953
M. Siegel
- *AECU-2724 The Sedimentation Behavior of the Thyroxine-Binding Protein of Human Serum in the Ultra-Centrifuge Partition Cell M. Petermann 1953
J. Robbins
M. Hamilton
- 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. Cavaliere, 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 5/31/53
G. Klein
A. Greenberg
- *AECU-2750 A Device for Placement of Cobalt-60 Within Rigid or Flexible Tubing for Use in Cancer Therapy G. Callendine, Jr. 1953
J. Morton
- *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. Cannery Assoc.	6/53

AECU-2886	Investigation of Gamma Sterilization, Research Report No. 7-53	B. Morgan Nat'l. Canners Assoc.	12/53
AERE-I/R-1386	The Preparation for Dispensing of Miscellaneous Radioisotopes	F. Hudswell, et al Atomic Energy Res. Estab. Harwell, Berks., England	4/20/54
AERE-M/M-71	The Construction and Calibration of a 100 Curie Gamma Irradiator	A. Charlesby O. Flint Atomic Energy Res. Estab.	5/13/54
*AMRL-94	A Study of Combined Thermal Radiation Burn and X-Irradiation Effects on Mice	W. 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	R. Korson A. Botkin	7/9/53
MISC-1954-36	Radiological Health Handbook	S. Kinsman, et al U. S. Dept. of Health	4/54
*ML-166	Development of 6 Mev Linear Accelerator for Medical and Radiographical Applications. Status Report (For) March 1 - May 31, 1952		
*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 Pentachlorophenol	L. Snoke	2/54
MONOGRAPH-2238	Observations on a Possible Method of Predicting Soilblock Bioassay Thresholds by Distillation Characteristics of the Weathered Creosotes	L. Snoke	4/54

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NYO-4439	A Study of the Lime-Soda Softening Process as a Method for Decontaminating Radioactive Waters	R. McCauley R. Lauderdale R. Eliassen MIT	9/1/53
NYO-4600	Decontamination of Buildings used for Processing Alpha Emitters	P. Klevin W. Harris H. Blatz	4/29/54
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	Tennessee Univ.	
ORO-104	Studies of Liver Physiology and Pathology Involving the Use of Bromsulfalein Containing S ³⁵ . Final Report	R. Brauer J. Krebs E. 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	W. Burke, Jr. L. Baumash	7/29/54
UR-332	<u>In Vivo</u> Localization of Labeled Rat Adrenal Antibodies	I. Spar W. Bale	6/16/54
UR-334	Study on Flash Burns: Evaluation of Simultaneous Monitoring of the Carbon ARC Source	K. Berkley T. Davis	7/1/54
UR-335	Study on Flash Burns: The Influence of Ultraviolet Radiation on the Production of Cutaneous Burns	K. Berkley	7/1/54
USNRDL-438	Spleen Desoxyribonucleic Acid Content as an Index of Recovery in X-Irradiated Mice Injected with Spleen Homogenate	L. Cole M. Ellis	8/2/54
*UUT-2	Shielding Efficiency of Remote Handling Cell and Monitoring Room. (Dugway Project)	G. Abel K. Anderson E. Campagna	1/27/54

CHEMISTRY

ACCO-49	Chemistry of Vanadium, A Summary of the Non-Project Literature Through November, 1952	A. Frank	6/25/54
*AD-10934	Preparation of NO-NO ₂ Mixtures from the FMC Nitrogen Fixation Furnace. Progress Report No. 7	E. Engler W. Lindsay	1/53
*AEC-TR-1591	Preliminary Experiments on the Electrodeposition of Titanium and Its Alloys	N. Gratsianskii E. Vovkogan	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	P. Baumgraten I. 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	P. Burbo	1953
*AEC-TR-1687	Accumulation of Heavy Water by Counter-Current Electrolysis	H. Martin E. Ruhtz	1950
*AEC-TR-1689	The Preparation of Lithium Hydride	P. Albert J. Mahe	1950
*AEC-TR-1717	A New Method for the Determination of Lithium Oxide by Means of Fluorides	A. 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	H. Jaffle	1939
*AEC-2324	Radioactive Tracers	A. Reid A. 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

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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 ¹⁴ -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 O 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 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

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*AECD-3493	Heat and Free Energy of the Reaction $\text{AmCl}_3(\text{s}) + \text{H}_2\text{O}(\text{g}) = \text{AmOCl}(\text{s}) + 2\text{HCl}(\text{g})$	C. Koch B. Cunningham	11/10/52
*AECD-3498	Analysis of Uranium Oxide-Polystyrene Mixtures		10/52
*AECD-3559	The Analytical Chemistry of Americium and Curium	A. Chetham-Strode, Jr.	6/15/53
*AECD-3599	The Crystal Structure of KPu_2CO_3 , $\text{NH}_4\text{Pu}_2\text{CO}_3$, RbAm_2CO_3	F. Ellinger W. Zachariassen	1953
*AECD-3606	Modifications of the Dimethylglyoxime Method for the Colorimetric Determination of Nickel Based on the Use of Potassium Persulfate as the Oxidant	M. Druschel O. Menis R. Rowan, Jr.	11/3/52
*AECD-3627	The First Crystallographic Data for Curium Compounds	L. Asprey F. Ellinger	1953
AERE-C/R-1377	The Separation and Purification of Americium-241 and the Absorption Spectra of Trivalent and Pentavalent Americium Solutions	G. Hall P. Herniman	1/28/54
AERE-C/R-1398	A Simple Infra-Red Grating Spectrometer for Use in Analysis	J. Gaunt Atomic Energy Res. Estab. Harwell, Berks. England	4/9/54
AERE-CE/R-1119	The Mechanism of Mass Transfer of Solutes Across Liquid-Liquid Interfaces. Part 2. The Transfer of Organic Solutes Between Solvent and Aqueous Phases	J. Lewis Atomic Energy Res. Estab.	4/6/54
AERE-GP/M-167	Preparation of Anhydrous Tungsten Hexachloride	C. Richards M. Smith Atomic Energy Res. Estab.	2/17/54
AERE-M/R-1410	The Thermal Decomposition of Beryllium Hydroxide	P. Murray R. Thackray Atomic Energy Res. Estab.	3/31/54

*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 Metallic 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. Lab.	
*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	T. Norris R. Smith	1951
*AECU-2661	The Separation of Sodium from Potassium by Means of Ion-Exchange Chromatography	W. Arons A. Solomon P. Brigham Hosp., Boston	1952
*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	R. Mulford F. Ellinger W. Zachariasen	1953
*AECU-2701	A Spectrophotometric Investigation of the Equilibria Existing in Acidic Solutions of Chromium (VI)	J. Tong E. King	1953
*AECU-2708	Sulfostyrenes. Preparation and Polymerization of Potassium p-Vinylbenzenesulfonate	R. Wiley, et al N. Smith	1953
*AECU-2727	The Crystal Structure of NaHg_2 , NaHg and Na_3Hg_2	J. Nielsen N. Baenziger	1953
*AECU-2728	The Crystal Structures of ZrBeSi and ZrBe_2	J. Nielsen N. 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	N. Hiester R. Phillips, et al	4/1/53
*AECU-2752	An Investigation of Certain Physical Properties of Halogen Fluorides (thesis)	H. Thompson, Jr.	1953
*AECU-2761	Infrared Absorption Spectra of Aqueous HF_2 , DF_2 and HF	L. Jones R. Penneman	1953

*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-Monosalicylaldehyde	J. Rynasiewicz J. Flagg	1953
*AECU-2799	Polarized Infrared Spectrum of $\text{KAu}(\text{CN})_2$: 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 σ_2 for B^{10}F_3 and B^{11}F_3	A. Nielsen	12/10/53
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*AECU-29	Tetrode Characteristics of Raytheon Tube CK571AX	T. Cantwell J. Sandock	8/28/48
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*AECD-2638	Pile Theory Notes for M.I.T. Seminar, Part II	F. Friedman B. Feld	
*AECD-2945	The Bare Intermediate Reactor: The Approach to Critical	N. Smith	4/18/50
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UCRL-2591 Rev. Chemical Properties of Elements 99 and 100

S. Thompson
B. Harvey
C. Choppin
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UCRL-2603 The Effect of Pretreatment with Propyl Thiouracil on the Accumulation of Astatine-211 by the Thyroid Gland of the Rat

P. Durbin
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M. Parrott

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UCRL-2605 Medical and Health Physics Quarterly Report

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UCRL-2612 Photoperiodism and Photosynthetic CO₂ Assimilation

L. Norris
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UCRL-2620 A 90-Inch Cyclotron with an Adjustable-Energy External Beam

B. Smith

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UCRL-2658 Documents Issued by the Technical Information Division January 1 through June 30, 1954

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UCRL-2565 A Survey of the Rates and Products of Short-Term Photosynthesis in Plants of 9 Phyla

L. Norris
R. Norris
M. Calvin

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