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*Radiation  
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UNIVERSITY OF CALIFORNIA <sup>24</sup>

Radiation Laboratory  
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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED <sup>28</sup>  
BY THE UCRL INFORMATION DIVISION DURING THE  
PERIOD OF MARCH 1-15, 1956

March 19, 1956

Printed for the U. S. Atomic Energy Commission <sup>29</sup>

LIST OF CODES FOR REPORT NUMBERS

ACCO	-American Cyanimid Company
AEP	-Monsanto Chemical Company
AERE	-Gt. Brit. Atomic Energy Research Establishment, Harwell, Berks. England
ALCO	-American Locomotive Company
AMF	-American Machine & Foundry Co.
ANL	-Argonne National Laboratory
ANP	-Aircraft Nuclear Propulsion Project
APEX	-General Electric Company, ANP Project
ASTIA	-Armed Services Technical Information Agency, Dayton, Ohio
BAW	-Babcock & Wilcox
BDX	-Bendix Aviation Corp., Detroit
BMI	-Battelle Memorial Institute
BNL	-Brookhaven National Lab.
BRB	-Bridgeport Brass Company
BSC	-Bethlehem Steel Company
CENP	-Combustion Engineering, Inc.
CERN	-European Organization of Nuclear Research, Geneva
COO	-Chicago Operations Office
CU	-Columbia University
DCDE	-Atomic Power Development Associates
DLWK	-Duquense Light Co-Walter Kidde
DOW	-Dow Chemical Company
DP	-E.I. duPont de Nemour & Co.
FWE	-Foreign Weapons Effects
GAT	-Goodyear Atomic Corporation
GEAP	-General Electric Company
GEL	-General Electric Co., General Engineering Laboratory
HEC	-Hooker Electrochemical Co.
HO	-Hanford Operations Office
HW	-Hanford Works, Richland
IDO	-Idaho Operations Office
ISC	-Iowa State College
K	-Carbide and Carbon Chemicals Co. (K-25 Plant)
KAPL	-Knolls Atomic Power Laboratory
KLX	-The Vitro Corporation of America
KLXS	-Vitro Corporation of America (Study Group)
KY	-Carbide and Carbon Chemicals Co. (C-31 Plant)
LA&LAMS	-Los Alamos Scientific Lab.
MCW	-Mallinckrodt Chemical Works
MIT	-Massachusetts Inst. of Tech.
MLM	-Mound Laboratory
NAA-SR	-North American Aviation, Inc.
NBL	-New Brunswick Laboratory
NBS	-National Bureau of Standards
NEA	-Foster Wheeler-Pioneer Service
NLCO	-National Lead Company of Ohio
NMI	-Nuclear Metals Inc.
NNSD	-Newport News Shipbuilding and Dry Dock Co.
NPG	-Commonwealth Edison Co. (Nuclear Power Group)
NRL	-Naval Research Laboratory, Washington D.C.
NYO	-New York Operations Office
ORINS	-Oak Ridge Institute of Nuclear Studies

ORNL	-Carbide & Carbon Chemicals Co. (ORNL)
ORO	-Oak Ridge Operations Office
PWAC	-Pratt & Whitney Aircraft Division of the United Aircraft Corp.
RFP	-Rocky Flats Plant
RME	-Grand Junction Operations Office
RMO	-Division of Raw Materials
SAN	-San Francisco Operations Office
SC	-Sandia Corporation
SEP	-Sylvania Electric Products, Inc.
SFO	-Santa Fe Operations Office
SRO	-Savannah River Operations Office
SO	-Schenectady Operations Office
TEI(M)	-U. S. Geological Survey Trace Elements Reports
TID	-Technical Information Service
TVA	-Tennessee Valley Authority
UCLA	-University of California Medical Research Laboratory
UCRL	-University of California Radiation Laboratory
UR	-University of Rochester
USNRDL	-U.S. Naval Radiological Lab., San Francisco, Calif.
UWFL	-University of Washington Applied Fisheries Laboratory
WAPD	-Westinghouse Electric Corp., Bettis Plant
WASH	-AEC, Washington
WEC	-Westinghouse Electric Company Industrial Atomic Power Group
WIN	-National Lead Co., Inc. Winchester
WT	-Weapon Test Reports
Y	-Carbide and Carbon Chemicals Company (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 received 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 the 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  
BY THE UCRL INFORMATION DIVISION DURING THE  
PERIOD OF MARCH 1-15, 1956

Radiation Laboratory, Department of Physics '3  
University of California, Berkeley, California

March 19, 1956

<u>Index Number</u>	<u>Title</u>	<u>Author</u>	<u>Date</u>
<u>BIOSCIENCES</u>			
*AECU-3130	Genetic Resistance to X-Irradiation in Mice.	H. D. Swanson, C. A. Leone, J. A. Weir Kansas Univ.	1955
*AECU-3133	Effects of X-Irradiation on the Plasmas of Chickens as revealed by Serological Analysis. Part I. Whole Plasma Comparisons; Part II. Alteration of Proteins of the Liver; (A preliminary report); Part III. Auto-antibody Formation, (A preliminary report).	C. A. Leone same	1955
*AECU-3134	Some Effects of Irradiation on the Immunochemical and Physicochemical Identity of Serum Proteins of Rats.	F. Dolyak same	1955
*AECU-3135	Proposal for Further Studies on Lung Hazards from Inhalation of Insoluble Radioactive Particulate Matter.	H. Cember Pittsburg Univ.	1955
BNL-350	Mutation; Report of Symposium Held June 15 to 17, 1955.		2-56
*HW-30119	A Comparative Study of Hanford and Utah Range Sheep.	L. K. Bustad S. Marks, N. L. Dockum, et al	11-30-53

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* HW-32534	Surface Dose Rate from Thorium.	W. C. Roesch	7-23-54
*HW-32696	Gamma Ray Calibration of Gold Shield Badges.	H. V. Larson	8-6-54
*HW-32720	An Improved Beta Dose Reading Chamber,	E. E. Donaldson	8-26-54
KAPL-1409	Semiannual Progress Report of Radiological Development Activities in the Health Physics Unit [For Period Covering] January - June 1955.	L. J. Cherubin J. J. Fitzgerald	
LA-1986	Biological Effects of Inhalation of High Concentrations of Tritium Gas,	T. T. Trujillo E. C. Anderson W. H. Langham	2-28-56
MLM-1050	The Effect of Sonic Oscillations and High Pressures on Yeast Cells.	H. E. Smith	5-16-55
NLCO-595	Proceedings of Bio-assay and analytical Chemistry Meeting, October 6 and 7, 1955.		3-8-56
NM 006 012.04.87	Enzymatic Activity of Radiated and Normal Salivary Gland Tissues.	J. A. English Naval Med. Res. Inst. Bethesda, Md.	9-20-55
NM 006 012.04.91	Emergency Laboratory Organization for the Care of Large Numbers of Human Beings Accidentally Exposed to Ionizing Radiation.	C. R. Sipe P. K. Schork C. P. A. Strome et al same	11-18-55
NM 006 012.04.92	Radiation Dosimetry Biological Research.	J. E. Morgan F. Ellinger same	12-9-55
NM 006 012.05.15	Pharmacological Studies on Irradiated Animals IV. Water Intake of Guinea Pigs as a Parameter for Oral Drug Administration in Experimental Radiation Therapy.	F. Ellinger same	11-8-55

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NP-5877	Quarterly Progress Report No. 18.	Chicago Univ.	1-15-56
NRL-3808	Development of NRL Photoelectric Particle-Size Meters (Owls).	W. L. Anderson, J. K. Thompson	5-28-51
UCLA-360	The Metabolism of the Essential Fatty Acids. V. The Metabolic Pathway of Linolenic Acid.	G. Steinberg, W. H. Slaton, Jr. D. R. Howton, et al.	2-15-56
UCSF-12	Semiannual Report for Period ending December 31, 1955.	Calif. Univ. S. F. Sch. of Med.	1-56
UR-421	Influence of Injection Solution Treatment on Blood Disappearance Rates and Tissue Distribution of Polonium <sup>210</sup> .	R. G. Thomas, J. N. Stannard	2-20-56
UR-427	Possible Sex Influences on the Metabolism of Polonium <sup>210</sup> in the Rat.	J. N. Stannard, M. A. K. Angell	3-1-56
UR-428	The Uptake of Radiocolloids by Macrophages in Vitro. A Kinetic Analysis with Radioactive Colloidal Gold.	R. E. Gosselin	1-31-56

CHEMISTRY

AECD-3703	Uranium Recovery from Composite UF <sub>4</sub> Reduction Bomb Wastes.	E. R. Johnson, R. L. Doyle, J. R. Coleman et al. National Lead Co.	1-28-54
AECD-3977	The Sodium-Hydrogen System.	J. J. McSharry, E. A. Sullivan, R. W. Bragdon et al. Metal Hydrides Inc.	1-1-54
*AECU-3064	The Beneficiation of Florida Phosphate Leached-Zone Material.	H. B. Charmbury, D. R. Mitchell, V. I. Purcell et al. Penn. State Univ.	7-1-55

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*AECU-3085	The Crystal Structure and Thermal Expansion of Gamma Plutonium.	W. H. Zachariasen, 1954 F. H. Ellinger Los Alamos Sci. Lab.	
*AECU-3086	Equation of State of Solids.	J. M. Walsh, F. L. Yarger same	
AECU-3113	Oxidation Ponds; Waste Treatment Studies, Radio-isotope Uptake, and Algae Concentration. Technical Report No. 2	E. F. Gloyna, E. R. Hermann, W. R. Drynan Texas Univ.	6-1-55
*AECU-3121	Progress Report [No. 37 for the period of June 1, 1955 through August 31, 1955].	Mass. Inst. of Tech. Cambridge	8-31-55
*AECU-3131	Occurrence of Technetium in Nature. Final Report for the Period November 1, 1954 to August 31, 1955.	E. Anders Illinois Univ.	9-1-55
*BM-IC-7725	Conversion Tables for Fluorescent X-Ray Spectroscopy.	W. J. Campbell, J. G. Parker Bureau of Mines	11-55
BNL-1072	Fluid Fuel Reactors with Uranium-Bismuth.	F. T. Miles, D. W. Bareis, O. E. Dwyer et al.	1-52
*CCC-1024-TR-148	Determination of the Low-Temperature Heat Capacity of Anhydrous Sodium Metaborate.	E. F. Westrum, Jr. G. Grenier Mich. Univ.	10-28-55
*CCC-1024-TR-150	Kinetics of the Pyrolysis, Hydrolysis, and Oxidation of Boranes and Alkyl Boranes.	H. J. Galbraith, J. F. Masi Callery Chem. Co.	11-7-55

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|------------------------|--|--|----------|
| *CCC-1024-TR-152       | The Effect of Solutes on the Properties and Structure of Liquid Boric Oxide.                           | R. F. Kruh,<br>K. H. Stern,<br>F. M. Hornyak,<br>Arkansas Univ.        | 11-11-55 |
| *CCC-1024-TR-157       | The Reaction of Triphenylsilylpotassium with some Organoboron Compounds.                               | H. H. Szmant,<br>J. M. Dixon<br>Duquesne Univ.                         | 11-25-55 |
| *CCC-1024-TR-162       | Preparation and Analysis of Calibration Gases for Borane Monitoring Devices.                           | L. J. Kuhns,<br>R. H. Forsyth,<br>J. L. Eakin<br>Callery Chem. Co.     | 12-5-55  |
| * CCC-1024-TR-163      | Flammability Limits of Diborane.   | D. K. Eads,<br>C. A. Thomas<br>same                                    | 12-8-55  |
| CF-56-1-130            | Radioisotope Assay Methods at Oak Ridge National Laboratory.   | S. A. Reynolds,<br>W. S. Lyon,<br>E. I. Wyatt<br>Oak Ridge Nat. Lab.   | 1-25-56  |
| COO-1015               | Principles and Processes for Removing Nitrogen Oxides from Gases. Technical Report No. 14.             | M. S. Peters<br>Illinois Univ.   | 8-31-55  |
| *DOW-107               | The Recovery of Uranium from Phosphoric Acid Solutions: Fluoride Process. Summary Status Report No. 2. | R. H. Bailes   | 12-8-49  |
| *ERI-1966-1-P          | Chemistry of Boron Hydrides and Related Hydrides. Annual Report for 1953.                              | R. W. Parry,<br>D. H. Campbell,<br>D. R. Schultz, et al<br>Mich. Univ. | 5-54     |
| HW-41025<br>*Microcard | Electrodeposition of the Actinide Elements.  | R. Ko  | 1-23-56  |

K-1219	An Evaluation of Selective Electrodialysis.	H. H. Willard, J. J. Finley Oak Ridge Gaseous Diffusion Plant	2-29-56
KAPL-1377	Thermal Stability of Ferrous Hydroxide Precipitates,	F. J. Shipko, D. L. Douglas	11-1-55
MIT-LNS-TR-68	Review of Recent Applications of Ion Exchangers in Analytical Chemistry; Technical Report No. 68.	U. Schindewolf	12-15-55
Monograph-2521	Silver Migration in Electrical Insulation.	G. T. Kohman, H. W. Hermance, G. H. Downes Bell Tele. Labs	11-55
NYO-7482	Diffusion of Au in single Crystals of Ag - Technical Progress Report.	Franklin Inst. Philadelphia	3-56
ORNL-2006	Improved Techniques for the Isotopic Analysis of Boron on the Mass Spectrometer.	C. E. Melton, L. O. Gilpartick, R. Baldock et al.	
ORNL-2025	Progress Report of Pilot Plant Section, Raw Materials Process Testing.		2-55
RMO-2041	Uranium Recovery--Leached Zone Processes.	H. M. Heidt, D. E. Tynan, J. B. Adams et al Int. Minerals and Chem. Corp. Chicago	2-28-55
RMO-2619	The Lead Vandate Precipitation Method for the Recovery of Vanadium from Carbonate Leach Solutions. Topical Report.	W. E. Clifford, J. C. Huggins. Little(Arthur D.)Inc. Western Labs, S. F.	6-55

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TID-8005	The Initiation of Chemical Reactions by Gamma and Other Ionizing Radiations.	D. S. Ballantine	2-56
UR-426	A Note on Precision Plating of Polonium,	M. Frisch, I. Feldman	2-15-56
WIN-32	Resin-in-Pulp Pilot Plant Testing of Hidden Splendor Ores.	D. O. Skiles, R. L. Shimin	1-20-56
WIN-36	Laboratory Testing of Little Man Claim Ore.	G. Trueman	2-23-56
WIN-37	Semi-Pilot Operation of the Ammonium Carbonate Leaching Process.	E. T. Hollis	2-27-56

ENGINEERING

*AECU-3136	Free Convection in the Sir Mark A Rotating Plugs.	D. P. Timo Knolls At. Lab.	11-12-53
*CF-53-12-94	Calculations for HRE No. 2 Heat Exchanger.	C. L. Segaser Oak Ridge Nat. Lab.	12-16-53
DP-137	Mixer-Settler Development. Characteristics of the Pump-Mix Impeller.	D. S. Webster, C. L. Williamson	10-55
ISC-586	Ratio of Solid Velocity to Mixture Velocity in Slurry Flow.	R. J. Burian, G. Murphy	3-55
NBS-3534	A Refrigerator to Operate at 20°K (-423°F); Technical Memorandum No. 33.	G. E. McIntosh, D. B. Mann, J. Macinko et al.	2-1-56
NBS-3569	Pumping Cryogenic Liquids; Technical Memorandum No. 36.	R. B. Jacobs, K. B. Martin, G. J. VanWylen et al.	2-24-56

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NBS-4514	Corrections in High Accuracy Fresnel Region Microwave Interferometry.	E. S. Dayhoff	2-56
ORNL-2025	Progress Report of Pilot Plant Section, Raw Materials Process Testing.	Oak Ridge Nat. Lab.	2-55
SC-7016 (SP)	Tolerances of Position and Form Including MMC.		9-15-55

METALLURGY AND CERAMICS

*AECU-3120	Scaling of Zirconium at Elevated Temperatures. Quarterly Status Report No. 10. Sept. 2, 1955 to Dec. 2, 1955.	C. A. Barrett, E. B. Evans, W. M. Baldwin, Jr. Case Inst. of Tech.	12-8-55
*BM-RI-5169	Production of Hafnium.	H. P. Holmes, M. M. Barr, H. L. Gilbert Bureau of Mines	7-54
*BM-RI-5170	Electric Smelting of Ilmenite Concentrates from Valley County, Idaho.	L. H. Banning, W. F. Hergert, D. E. Halter same	2-55
*CAL-KA-797-M-11	Development of Substitute Alloys for High Temperature Use. Bimonthly Progress Report.	J. Salvaggi, G. J. Guarnieri Cornell Aero. Lab.	6-30-54
*CAL-KB-868-M-5	Evaluation of Titanium Aircraft Parts and Semi-finished Products. Bimonthly Progress Report No. 5 [for] October 16, 1953 to December 15, 1953.	L. W. Smith, F. J. Gillig same	
*CAL-KB-914-M-1	Relaxation Behavior of Titanium and Titanium Alloys. Quarterly Progress Report.	F. J. Vawter, G. J. Guarnieri same	7-1-54

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*ERI-2076-6-P	Intermediate Temperature Creep and Rupture Behavior of Titanium and Titanium Alloys. Quarterly Progress Report No. 9 covering the period from June 1, 1955 to August 31, 1955.	J. V. Gluck, J. W. Freeman Mich. Univ.	8-31-55
* GEAP-0500	Investigation of Stainless Steel-Carbon Steel Composite Tubes.	C. H. Saums, C. H. Kreisler	5-55
HW-37636	High Temperature Aqueous Corrosion of Commercial Aluminum Alloys.	R. L. Dillon, R. E. Wilson, V. H. Troutner	1-11-56
ISC-688	Preparation of Zirconium and Hafnium Metals by Bomb Reduction of Their Flourides.	O. N. Carlson, F. A. Schmidt, H. A. Wilhelm	1-20-56
Monograph-2524	Precipitation of Copper in Germanium.	R. A. Logan Bell Tele. Labs.	11-55
NBS-6	Summarizing Report on Stress Corrosion of Beryllium.	H. L. Logan, H. Hessing	12-5-55
NYO-7482	Diffusion of Au in Single Crystals of Ag. Technical Progress Report.	Franklin Inst. Labs. Philadelphia	3-56

PHYSICS

AD-73309	Study and Investigations Directed toward Development of a Distributed Amplifier Device. Progress Report No. 3 [for] Period Covered 6 Mar. - 6 Apr., 1955.	Gen. Elec. Co. Microwave Lab Palo Alto, Calif.	
AD-73310	Study and Investigations Directed Toward Development of a Distributed Amplifier Device. Progress report No. 5 [for] Period Covered 6 May - 6 June, 1955.	same	
AD-73401	Study and Investigations directed toward Development of a Distributed Amplifier Device. Progress Report No. 6 [for] Period Covered 6 June - 6 July, 1955.	same	
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AD-73402	Study and Investigation Directed Toward Development of a Distributed Amplifier Device. Progress Report No. 8 [for] Period Covered 6 August - 6 Sept., 1955.	Gen. Elec. Co. Microwave Lab Palo Alto, Calif.	
AD-73403	Study and Investigations Directed Toward Development of a Distributed Amplifier Device. Progress Report No. 7 [for] Period Covered 6 July - 6 August, 1955.	same	
AD-73404	Study and Investigations Directed Toward Development of a Distributed Amplifier Device. Progress Report No. 4 [for] Period Covered 6 April - 6 May, 1955.	same	
AECD-3786	Attenuation of Gamma Radiation by High Density Lead Glass Compared with Steel.	R. G. Wheeler Hanford Works	3-21-50
AECD-3822	Neutron Flux Distributions in Multiple Region Reactors.	S. Wallach West. Elec. Corp.	12-51
AECD-3837	Notes on Conference on Reactor Poisons. Conference held at WAPD January 3, 1952.	West. Elec. Corp.	8-52
*AECU-3121	Progress Report [No. 37 for the period of June 1, 1955 through August 31, 1955].	Mass. Inst. of Tech.	8-31-55
*AECU-3122	The Equation of State of Water on the Thomas-Fermi Model.	A. Latter, R. Latter Rand Corp.	10-24-55
*AECU-3125	Photoelectric K and L Shell Absorption Coefficients for Highly Ionized Atoms.	S. A. Moszkowski, R. E. Meyerott same	11-1-55
BNL-370	The Effect of Foil Holders on the Flux in Uranium-Water Lattices.	T. Auerbach	11-55

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BNL-1986	A Measurement of Neutron Temperature in a Uranium Rod-Water Moderated Lattice.	H. Kouts, K. Downes, G. Price et al.	8-16-54
*BNL-2465	Lattice Parameters for Light Water, Slightly Enriched Uranium Reactors.	J. Chernik	10-53
BNL-EDC/LS-1	Synchrotron Oscillations in Feedback Systems.	E. D. Courant, Lloyd Smith	1-10-56
BNL-HSS-3	The Monument Survey.	H. S. Snyder	10-7-54
BNL-NAC-12	The Continuous Girder and its Effect upon the Vertical Stability of the Magnet Ring.	N. A. Christensen	1-24-56
CF-48-3-264	Shielding of the External Water Pipes in the High Pressure Water Pile.	N. M. Smith, Jr. Oak Ridge Nat. Lab.	3-4-48
CF-54-8-98	Age Measurements in LiF.	J. E. Faulkner same	8-31-54
CRRP-629	A Method of Studying Multi-Region Reactors with an Analog Computer. Reactor Core Conference, Jan. 9 to 12, 1956.	R. M. Pearce Chalk River Project Chalk River, Ont.	1-6-56
DP-120	A Simplified Electronic Circuit for Ultrasonic Inspection.	J. D. Ross, R. W. Leep	1-56
DP-143	Computer Calculations on Exponential Data.	R. R. Haefner	1-56
DR-38	Attainable Burn-Up of Uranium with Plutonium Recycling, with Special Reference to the ANL 1000 MW D <sub>2</sub> O Boiling Reactor of Geneva Paper P/495.	W. B. Lewis. Chalk River	2-3-56
HEPL-40	Inelastic and Elastic Scattering of 187-Mev Electrons from Selected Even-Even Nuclei.	R. H. Helm Stanford Univ.	2-56

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LA-1970	Delayed Neutrons; a Review as of October 1955.	G. R. Keepin	10-55
MIT-LNS-TR-67	East-West Asymmetry of Positive and Negative Mesons; Technical Report No. 67.	F. B. Harris, Jr.	12-15-55
MIT-RLE-TR-288	Time-Domain Compensation for Closed-Loop Systems by a Delay Line Method; Technical Report 288.	Yu-Chi Ho	1-17-55
MIT-RLE-TR-293	A Study of the Memory Requirements of Sequential Switching Circuits; Technical Report 293.	D. A. Huffman	3-14-55
MIT-RLE-TR-301	High-Frequency Gas-Discharge Breakdown; Technical Report 301.	S. C. Brown	7-25-55
Monograph 2487	Junction Transistor Blocking Oscillators.	J. G. Linvill, R. H. Mattson Bell Tele. Lab.	11-55
Monograph-2516	The Field-Effect Transistor.	G. C. Dacey, I. M. Ross same	11-55
Monograph-2518	Measurement of Transient Power and Energy Dissipated in Closing Switch Contacts.	W. B. Ellwood same	11-55
Monograph-2519	Digital Memory in Barrier-Grid Storage Tubes.	M. E. Hines, M. Chroney, J. A. McCarthy same	11-55
Monograph-2522	Analysis of Switching Networks.	C. Y. Lee same	11-55
NRL-4695	Pseudorandom Numbers and Collision Parameters for Monte Carlo Shielding Calculations.	R. B. Theus, L. A. Beach	2-7-56

NRL-4701	Gamma-Ray Albedo from Iron,	R. B. Theus, L. A. Beach	2-8-56
NYO-7534	Further Evidence on the Nature of the Neutral Particles in the Decay Scheme of $K_{\mu 3}$ .	T. F. Hoang, M. F. Kaplon, G. Yekutieli Rochester Univ.	1-16-56
NYO-7587	Time Scaler for Nuclear Track Gap Counting.	K. Enslein same	2-2-56
PR-P-28	Progress Report [of] Physics Division [For] October 1, to December 31, 1955.	Chalk River Ont.	
TID-5219	Problems of Physics in the Ion Source.	A. H. Barnes, S. M. MacNeille, C. Starr Eastman Corp.	1951
WAPD-142	Computation of Parameters Appearing in the Reactor Kinetics Equations.	A. F. Henry	12-55
WAPD-T-38 and Suppl.	Transport Delay Simulation Circuits.	G. S. Stubbs, C. H. Single	1954

REACTOR SCIENCE

*AECD-3670	Further Boiling Experiments in the Litr.	W. M. Breazeale, T. E. Cole, J. A. Cox. Oak Ridge Nat. Lab.	
*AECD-3677	Exponential Pile Measurements in Graphite-Uranium Lattices.	E. D. Clayton Hanford, Wash.	6-1-54

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CF-53-10-73	Experimental Program for HRE at High Power. Part II. Kinetic Experiments.	V. K. Pare, S. Visner Oak Ridge Nat. Lab.	10-1-53
CRNE-558	A Two Zone Slurry Reactor.	M. F. Duret, I. L. Wilson Chalk River, Ont.	12-53
DR-32	The Accident to the NRX Reactor on December 12, 1952.	W. B. Lewis same	7-13-53
NRL-4668	Naval Research Laboratory Research Reactor. Part I - Instrumentation Tests at Oak Ridge National Laboratory.	C. W. Peters, F. E. Jablonski, M. P. Young	1-23-56
TID-8009	AEC Experimental Program on Reactor Safety.	R. H. Graham, D. G. Boyer	2-56

MISCELLANEOUS

ASTIA-U-99	Title Announcement Bulletin No. U-99.		2-27-56
BNL-367	Quarterly Progress Report, July 1 - Sept. 30, 1955.		2-56
MISC-1956-46	National Defense Review, Volume 18, Number 1. Abstracts 18-1 to 18-650.	Army Library	1-56
TID-1903	Report Announcement Bulletin Unclassified Reports for Civilian Applications.		2-27-56
TID-4500(11th Ed.)	Distribution Lists for Nonclassified Reports.		1-15-56
USNRDL-TR-74	Radiological Defense Measures as a Countermeasure System.	W. E. Strobe	2-15-56

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UCRL-3173	Bubble Chamber Pressure Gage.	W. I. Linlor, Q. A. Kerns	10-20-55
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UCRL-3336	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of February 16-29, 1956.		3-8-56