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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF JUNE 16-30, 1954

July 2, 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).

Information Division
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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF JUNE 16-30, 1954

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

Index Number	Title	Author	Date
BIOSCIENCES			
*AERE-TRANS- 11/3/5/331	On the Rate of the Regeneration of Proteins of Different Organs and Tissues	V. Orekhovich A. Konikova, et al	1950
HW-30437	Biology Research - Annual Report 1953		1/4/54
K-1101	An Electrodeposition Method for the Determination of Uranium Alpha Activity in Urine	T. Whitson T. Kwasnoski	6/16/54
LRL-146	Health Physics Operating Instructions	G. Blanc G. T. Saunders R. Thorburn	6/54
*M-4262	Biological Considerations in the Design of a New Pile	H. Curtis, Clinton Labs.	7/21/45
*M-4514	Manual on Radiological Protection for Civilian Defense	E. Anderson, Oak Ridge	4/50
N7-onr-45103	Membrane Permeability and Electrical Potential. Report No. 12	R. Parlin H. Eyring, U. of Utah	2/15/54
NBS-3301	Physiological Monitoring Equipment for Anesthesia and Other Uses	S. Gilford H. Broida	5/15/54

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NBS-3323	Calibration and Life Tests of Jordan Radectro Radiacmeters	F. Day	6/8/54
*NGTE-R-139	Some Tests on a High Efficiency Air Cleaner	D. Whittet, Nat'l Gas Turbine Estab. (Gt. Britain)	7/53
*NM-001.059. 16.01	Radioactive Monomolecular Layers. Reports No. 1	D. Beischer	9/30/49
NM-Lecture 53-5	Transplantation of Preserved Nonviable Tissues	J. Pate	5/18/53
NM-Lecture 53-6	The Peripheral Origin of Nervous Activity in the Visual System	H. Hartline H. Wagner	7/13/53
NM-Lecture 53-7	Ions, Potentials, and the Nerve Impulse	K. Cole	12/17/53
NM-Lecture 53-8	Endocrine Influences on Radiosensitivity	F. Ellinger	11/23/53
*NP-5116	A Study of Mitotic Activity in the Intestinal Epithelium of the Albino Rat and Its Role in the Recovery Process After X-Irradiation	O. Czerwonka J. Gregg W. Parr, et al, Field Res. Lab., Fort Knox	11/25/50
*NP-5124	The Biochemistry of Tissue Trauma. Part 7. Lipoprotein Changes after Local Ischemia and Local Radiation Injury	L. Milch R. Redmond W. Calhoun, Sch. of Aviation Med.	2/54
*NP-5155	Quarterly Progress Report No. 11	Air Force Rad. Lab. U. of Chicago	4/15/54
*NRC-1975	X-Ray Protection Coefficient of Plate Glass	Ind. Rad. Lab., Nat'l Res. Council of Canada	12/49
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*NRC-2025	Working Drawings of Tools for Handling Radioactive Sources	A. Morrison K. Parry, Nat'l Res. Council of Canada	
*NYO-1532	Specifications for the Construction of Local Exhaust Systems	W. Harris, Health and Safety Div., NYOO	6/15/48
*NYO-6300	Radiation-Shielding Doors	W. Wadey, Yale U.	1953
TID-3050 (Pts. 8 and 9)	A Bibliography of Selected AEC Reports of Interest to Industry Part 8 Industrial Management Part 9 Health and Safety	TIS OR	
UCLA-294	Plant Uptake of Sr90, Ru106, Cs137 and Ce144 from Three Different Types of Soils	E. Romney W. Rhoads K. Larson	6/10/54
UCLA-295	Response of the Burro to 100 r Fractional Whole Body Gamma Ray Irradiation	T. Haley E. McCulloh, et al	6/10/54
UCLA-296	Roentgen Studies of X-Irradiation Effects on Gastro-Intestinal Motility	M. Billings L. Bennett L. Burlingame	6/15/54
UR-330	Quarterly Technical Report - January 1 thru March 31, 1954	H. Blair	5/10/54

CHEMISTRY

ACCO-47	A New Fluorimeter for the Determination of Uranium	P. Galvanek, Jr. T. Morrison, Jr.	
AERE-C/M-199	The Compound of Antimony Pentachloride with Nitric Oxide	H. Bowen	3/17/54
*AERE-C/R-900	The Infra-Red Spectra and Molecular Structure of Some Inorganic Hexafluorides. Part 1. SF ₆ and UF ₆	J. Gaunt	5/3/52
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AERE-C/R-1315	A Low Pressure Method for the Micro-Determination of Carbon in Metals	G. Barnett J. Gregory D. Mapper	
AERE-C/R-1359	A Method for the Preparation of Thin Films of Plutonium and Uranium	K. Glover P. Borrell	1/9/54
*AERE-G/R-511	Methods of Measuring the Gaseous $B^{10}F_3$ - $B^{11}F_3$ Separation Characteristics of Thermal Diffusion Columns, and the Viscosity and Diffusion Coefficient Data for BF_3	W. Denton	3/50
AERE-M/R-1371	The Purification of Commercial Potassium	G. Horsley	1/54
ANL-5165	Solution Potentials of Zirconium	W. Ruther J. Draley	12/25/53
KAPL-1111	The Ion-Pair Yield of the Tritium-Oxygen Reaction	L. Dorfman B. Hemmer	4/14/54
KAPL-1131	A Method for the Determination of Dissolved Oxygen in Water	E. Shirley F. Blinn	5/20/54
MISC-1954-18	Development of a Mercury Jet Switch for the University Radiation Laboratory Monthly Progress Report No. 4	Detroit Controls Corp.	5/54
*MIM-859	Decay and Growth Tables for the Naturally Occurring Radioactive Series	H. Kirby	7/1/53
N6ori-47/IV Rpt. No. 3	Heterogeneous Nucleation of Crystals from Vapor	G. Pound M. Simnad L. Yang, Carnegie Inst. of Tech.	3/1/54
*NACA-RM- E53G08	Vapor Pressures of Concentrated Nitric Acid Solutions in the Composition Range 83 to 97 Percent Nitric Acid, 0 to 6 Percent Nitrogen Dioxide, 0 to 15 Percent Water, and in the Temperature Range 20° to 80° C.	A. McKeown F. Belles, Lewis Flight Prop. Lab.	9/17/53

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*NBS-1884	The Effect of Dissociation on the Thermodynamic Properties of Pure Diatomic Gases	H. Woolley	6/1/53
*NBS-2181	Thermal Properties of Fluorine Compounds: Heat Capacity, Entropy, Heat Content and Free Energy Functions of Magnesium Monofluoride in the Ideal Gaseous State	L. Haar C. Beckett	6/1/53
*NBS-2182	Thermal Properties of Fluorine Compounds: Heat Capacity, Entropy, Heat Content and Free Energy Functions of Aluminum Monofluoride in the Ideal Gaseous State	L. Haar C. Beckett	6/1/53
*NBS-2184	Thermal Properties of Fluorine Compounds: Heat Capacity, Entropy, Heat Content and Free Energy Functions of Lithium Monofluoride in the Ideal Gaseous State	L. Haar C. Beckett	6/1/53
*NBS-2619	Properties of Fluorine Compounds. The Vibrational Spectra of Trifluoroethylene and Trifluoroethylene-d ₁	D. Mann N. Acquista E. Plyler	1953
*NBS-2856	Properties of Fluorine Compounds. The Vibrational Spectrum of Bromotrifluoroethylene	D. Mann N. Acquista E. Plyler	
*NBS-3125	Properties of Fluorine Compounds. The Vibrational Spectrum of Fluorotrichloroethylene	D. Mann E. Plyler	1954
NBS-3144	A Review of the Properties of Deuterium Compounds. Annual Bibliography - 1952	L. Brown A. Friedman	3/15/54
*NBS-3179	Thermal Conductivity and Heat Capacity Project Progress Report No. 11 for November 7, 1953 to February 6, 1954		3/54
NBS-3253	Vapor Pressure of Parahydrogen and Orthohydrogen Mixtures	H. Woolley	
NBS-3282	The Thermodynamic and Transport Properties of Liquid Hydrogen and Its Isotopes Part II. Compressibility Factors, Viscosity, Dielectric, Constants, and Surface Tension	A. Friedman	5/1/54

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*NP-5021	Reports on Boron Compounds. (Abstract Bulletin U2)	Tech. Inf. Div., Lib. of Congress	4/19/54
*NP-5117	Research on Boron Polymers. Bimonthly Progress Report (for) October 1, 1953 - November 30, 1953	W. Ruigh C. Erickson F. Gunderloy, Rutgers U.	12/53
*NP-5127	Economics of Ion Exchange	W. Bauman, Dow Chem. Co.	1953
NP-5151	The Electrochemical Polarization of Zirconium in Distilled Water	N. Hackerman O. Willbanks, Jr. U. of Texas	
*NRL-3508	Rate of Reaction of Alkali Metals and Aluminum Borohydride with Water	T. Rice F. Woods R. Miller	6/49
*NRL-3550	Thermal and Oxidation Stabilities of the Polymethylphenylsiloxanes	C. Murphy C. Saunders D. Smith	10/7/49
*NRL-3567	Spectroscopic Properties of Fluorocarbons and Fluorinated Hydrocarbons: Final Report	D. Smith J. Nielsen, et al U. of Okla.	9/15/49
*NRL-3615	Synthesis of Phenothiazine Derivatives for Antioxidant Studies	N. Smith	10/30/49
*NRL-3628	New Thermal Conductivity Methods in Gas Analysis	C. Minter	2/25/50
*NRL-3633	Organophosphorus Compounds: The Preparation of Alkyldichlorophosphines	R. Fox	2/20/50
*NRL-3645	An Improved Method of Synthesis of Aryldichlorophosphines	B. Buchner	3/31/50

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*NRL-3667	Structural Guides for Synthetic Lubricant Development	C. Murphy W. Zisman	4/25/50
*NRL-3669	A New Instrument for Determining Hydrogen in Submarines	C. Minter L. Burdy	6/1/50
*NRL-3672	Phthalocyanine Lubricating Greases	V. Fitzsimmons R. Merker C. Singleterry	
*NRL-3674	Oleophobic Monolayers: III. Wetting Effects and Adhesional Energies	E. Shafrin W. Zisman	6/8/50
*NRL-3680	Surface Chemical Phenomena in Lubrication	J. Brophy W. Zisman	6/20/50
*NRL-3717	A Survey of the Theoretical Aspects of the Luminescence of Inorganic Crystalline Solids	L. Furlong	7/28/50
*NRL-4131	The Solubility of Iron in Sodium Metal, Sodium-Sodium Oxide and Sodium-Sodium Oxide-Sodium Hydroxide	A. Bogard	3/9/53
NRL-4362	Wettability of Nylon, Polyethylene Terephthalate, and Polystyrene by Hydrogen-Bonding and Halogenated Liquids	A. Ellison W. Zisman	5/5/54
*NRL-C-3180	Preparation of Organophosphorus Compounds	E. Kohn U. Hanninen R. Fox	9/23/47
*NRL-C-3208	Hydrides and Borohydrides of Light Elements Progress Report No. XXVIII (N6ori-20)	H. Schlesinger G. Schaeffer	12/4/47
*NRL-C-3267	The Second Report on Oleophobic Monolayers - Temperature Effects and Energies of Adsorption	W. Bigelow E. Glass W. Zisman	3/10/48

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*NRL-C-3285	Infrared Spectra of Some Natural Elastomers	R. Saunders D. Smith	
*NRL-P-2009	A Method for the Study of the Hydrolysis of Organic Fluorine and Chlorine Compounds Submitted for Use as Non-Inflammable Hydraulic Oils	K. Temple J. Wolfe	2/26/43
*NRL-P-2704	Production of Metallic Lithium and Lithium Salts - A Survey	C. Witschenke	11/45
*NYO-612	Nature of the Ferric Chloride Complex in Isopropyl Ether	L. Bassett W. Bauer, et al, Rensselaer Polytech. Inst.	2/1/51
*NYO-630 Rev.	The Rate of Corrosion of Silver in Ferric Perchlorate Solutions	C. King F. Lang, N. Y. U.	1/3/52
*NYO-676	Masses of Si ³⁰ , Co ⁵⁹ , Ni ⁶⁰ , Zr ⁹⁰ , Mo ⁹⁶ , and Mo ¹⁰⁰	H. Duckworth R. Preston K. Woodcock, Wesleyan U.	3/25/50
*NYO-677	Masses of Si ²⁸ , Si ²⁹ , Mn ⁵⁵ , Fe ⁵⁶ , Ni ⁵⁸ , Pd ¹¹⁰ , Cd ¹¹⁰ , Cd ¹¹² , Cd ¹¹⁶ , and Sn ¹¹⁶	H. Duckworth R. Preston, Wesleyan U.	4/25/40
*NYO-693	The Molecular Spectra of Tritium and Related Spectra III: Annual Report	C. Dieke, Johns Hopkins U.	11/51
*NYO-694	The Molecular Spectra of Tritium and Related Spectra. (Part) 4. Progress Report	G. Dieke	6/52
*NYO-695	Informal Progress Report (On the Status of the Work on the Spectra of Hydrogen Molecules Containing Tritium and Related Spectra and Plans for the Future)	G. Dieke	1/15/53

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*NYO-715	Structures of Fluorocarbons, Elementary Boron, and Boron Compounds	J. Hoard, Cornell U.	10/1/50
*NYO-716	Structures of Fluorocarbons, Elementary Boron, and Boron Compounds	J. Hoard	1/1/51
*NYO-718	The Structure of B-Trichloroborazole	D. Coursen J. Hoard, Cornell U.	7/1/51
*NYO-719	Structures of Fluorocarbons, Elementary Boron and Boron Compounds (Progress Report)	J. Hoard	7/1/51
*NYO-721	A Study of the Extraction of Iron with Thenoyltrifluoroacetone as a Function of pH	M. Cefola B. Miccioli, Fordham U.	6/1/51
*NYO-722	Mercury Contact for Constant Temperature Thermoregulator	M. Cefola A. Chadwick, Fordham U.	9/1/51
*NYO-733	Thermodynamic Study of Iron-Oxygen-Sulfur System	F. Dunkerley J. Nichols V. Damiano, U. of Penn.	7/1/51
*NYO-848	Polarographic Behavior of Organic Compounds XV. Effect of Ionic Strength and Buffer Nature on Quinhydrone	P. Elving A. Martin, Penn. State Coll.	8/25/51
*NYO-849	Polarographic Behavior of Organic Compounds XVI. Effect of pH, Ionic Strength and Buffer Nature on a Non-Ionizable Substance	P. Elving C. Tang I. Rosenthal, Penn. State Coll.	9/15/51
*NYO-851	Polarographic Behavior of Organic Compounds. XVII. The Ethyl Esters of the Bromoacetic Acids	C. Tang P. Elving	10/10/51

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*NYO-929	Structures of Fluorocarbons, Elementary Boron, and Boron Compounds	J. Hoard, Cornell U.	7/1/52
*NYO-941	Progress Report from July 1, 1951 to September 30, 1951	R. Levine L. Barkley, et al, Pittsburgh U.	10/10/51
*NYO-942	Progress Letter from October 1, 1951 to December 31, 1951	R. Levine J. Wotiz, et al, Pittsburgh U.	
*NYO-962	Continuous Ion Exchange with a Cotton Belt	W. Selke C. Muendel, Columbia U.	2/15/53
*NYO-963	Ion Exchange Rate Studies with a Carboxylic Exchanger	W. Selke J. Borner G. Ceen, Columbia U.	2/15/54
*NYO-3069	Preparation of Benzisoxazoles by Oxidative Ring Closure	H. Freiser J. Walter, Pittsburgh U.	8/11/52
*NYO-3307	Effect of Gamma Radiation on Chemical Reactions I. Installation of Cobalt-60 Radiation Source: Progress Report No. 1 (Fourth Quarter, 1951)	R. Brettin, Yale U.	1/20/52
*NYO-3309	Effect of Gamma Radiation on Chemical Reactions. II. Preliminary Investigation of Vapor-Phase Polymerization of Acetylene and Ethylene: Progress Report No. 2 (First Quarter 1952)	Yale U.	4/25/52
*NYO-3310	Effect of Gamma Radiation on Chemical Reactions. III. Preliminary Investigations of Vapor-Phase Polymerization of Ethylene at Room Temperature and Atmospheric Pressure: Progress Report No. 3	Yale U.	7/25/52

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*NYO-3330	Utilization of Waste Fission Products in Chemical Reaction	W. Selke A. Czikk J. Dempsey, Columbia U.	3/1/54
*NYO-3463	The Rate of Dissolution of Zinc in Chromic Chloride Solutions	C. King N. Mayer, New York U.	1/15/53
*NYO-3882	A Treatment of Chemical Kinetics with Special Applicability to Diffusion Controlled Reactions	R. Noyes, Columbia U.	11/11/53
*NYO-3946	Structures of Fluorocarbons, Elementary Boron, and Boron Compounds. X-Ray Studies of Three Crystalline Fluorocarbons Showing Rotational Disorder	P. Schapiro J. Hoard, Cornell U.	1/11/54
*NYO-3947	Structures of Fluorocarbons, Elementary Boron, and Boron Compounds	J. Hoard	1/15/54
*NYO-6032	Progress Letter from November 1, 1953 to January 31, 1954	R. Levine A. Miller C. Osuch, Pittsburgh U.	2/16/54
*NYO-6097	Performance of Packed Columns. Part 2. Wetted Areas, Effective Interfacial Areas, Gas Phase Mass Transfer Rates (k_G) and Liquid Phase Mass Transfer Rates (k_L)	H. Shulman C. Ullrich, et al, Clarkson Coll. of Tech.	1/8/54
*NYO-6122	The Reaction of Fluorine with Tin, Its Oxides and Sulfides	H. Haendler, New Hampshire U.	10/28/53
*NYO-6388	Heat of Adsorption of Argon Adsorbed on Titanium Dioxide Between 60 and 90° K.	E. Pace S. Greene, Western Reserve U.	12/31/53

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*NYO-6398	The Differential Diffusion Coefficients of Magnesium and Barium Chlorides in Dilute Aqueous Solutions at 25°	H. Harned F. Polestra, Yale U.	12/10/53
*NYO-6518	Ion Exchange Rate Mechanism in a Deep Bed	W. Selke B. Hoffman E. Lemanski, Columbia Univ.	2/15/54
N6-onr-23809 Tech. Rpt. 2	Oxalato Complexes of Co (II) and Co (III)	A. Adamson H. Ogata, et al, U. of So. Cal.	3/54
ORNL-1704	Apparatus for Regulating Current in Moving-Boundary Experiments	W. Rathkamp P. Vaker	6/8/54
ORNL-1725	Differential Spectrophotometric Determination of Zirconium	D. Manning J. White	5/11/54
*ORO-108	Recrystallization of Aluminum Oxide. Terminal Report	W. Smothers, U. of Ark.	12/31/53
*ORO-111	Studies in the Preparation and Properties of Quaternary Ammonium Ion Exchange Resins. Quarterly Progress Report No. 4 (for) March 15, 1953 to June 15, 1953	A. Gropp G. Butler, et al Florida U.	6/15/53
*ORO-112	The Performance of Contactors for Liquid-Liquid Extraction. Progress Report No. 1 Covering Period July 1, 1951 - March 15, 1952	D. Arnold C. Plank F. Pike, N. Carolina State Coll.	3/15/52
*ORO-114	Fundamental Studies of Ion Exchange Equilibria Progress Report	O. Bonner, S. Carolina U.	1953
*ORO-117	Extraction of Uranyl Ion From Some Aqueous Salt Solutions with 2-Thenoyltrifluoroacetone	R. Day, Jr. R. Powers, Emory U.	1953

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*OSRD-3227	The Generation of Fluorine to January 12, 1944	W. Schumb, Nat'l Defense Res. Comm.	2/9/44
PDB-109	Control of Sr ⁹⁰ Purification by Adaptation of Schwarzenbach Method for the Determination of Alkaline Earths	L. Wray, Atomic Energy of Canada, Ltd.	3/2/54
TID-3050(Pt. 2)	A Bibliography of Selected AEC Reports of Interest to Industry Part 2 Chemistry and Chemical Engineering	AEC TIS OR	12/53

ENGINEERING

*AERE-CE/M-55	Preliminary Tests on a Small Metering Pump	J. Grew	3/4/43
N7-onr-45101 Rpt. 41	Static Fatigue Studies of Glass Technical Report 41	G. Horsley D. Stuart O. Anderson, U. of Utah	3/1/54
*NDA-10-7	Turbulent Heat Transfer in Polygonal Flow Sections	H. Elrod, Jr., Nuclear Dev. Assoc, Inc.	9/22/53
*NDA-10-8	Heat Transfer to Water at 5000 Psia Flowing Turgulently in Round Tubes	K. Goldmann, Nuclear Dev. Assoc., Inc.	9/23/52
*NDA-10-68	Boiling Songs	K. Goldman	6/14/53
*NRC-2008	Material Required to Carry Out Radiography with Co ⁶⁰ or Radium	A. Morrison, Nat'l Res. Council of Canada	8/25/49
*NRC-2009	Exposure Graphs for Radium Radiography of Steel	A. Morrison	
*NRC-2358	Beta-Ray Thickness Gauges (Divisional Report No. PR-90)	W. Dixon, Nat'l Res. Council of Canada	3/51
*NRC-2407 *Micro cards	Iridium 192 for Gamma Ray Radiography	A. Morrison	2/20/51

*NRL-3558	Bernoulli's Theorem for Viscous Compressible Fluids	C. Truesdell	10/12/49
*NRL-3794	Propagation of Transverse Waves in Plates	I. Vigness	1/17/51
*NRL-4133	A Three-Level Capillary Viscometer for the Study of Anomalous Flow in Sealed Systems	J. Honig C. Singleterry, Nav. Res. Lab.	4/14/53
*NRL-4179	Damages Resulting from Laboratory Vibration and High-Impact Shock Tests	K. Woodward	9/11/53
*NRL-O-2191	Statistical Effects in the Testing of Materials (North Carolina University Armor Fracture Size Effect Study, Progress Report No. 23)	A. Ruark	11/15/43
*NYO-562	Heat Transfer by Natural Convection from Horizontal Cylinders to Liquid Metals: Second Quarterly Progress Report for October 1, 1950 - December 31, 1950	S. Myman D. Pallazzo, et al, Columbia U.	12/31/50
Monograph-2203	The Ferry Reduction and the Activation Energy for Viscous Flow	I. Hopkins	10/53
MISC-1954-26 Rpt. 56	Atomistic Interpretation of the Effect of the Composition on the Viscosity of Glass	E. Marboe W. Weyl, Penn. State Coll.	3/54
TID-3050 (Pt. 3)	Bibliography of Selected AEC Reports of Interest to Industry Part 3 Nuclear Technology	AEC TIS OR	1/54
TID-3050 (Pt. 5)	A Bibliography of Selected AEC Reports of Interest to Industry Part 5 Mechanics and Mechanical Engineering	AEC TIS OR	1/54

GEOSCIENCES

AECU-2840	The Isotopic Composition and Distribution of Lead, Uranium, and Thorium in a Pre-Cambrian Granite	G. Tilton C. Patterson, et al, Cal. Inst. of Tech.	6/25/54
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*Microcards

AECU-2858	Control of Radon and Its Daughters in Mines by Ventilation	H. Ayer, 3/15/54 Occupational Health Field St., U. S. Pub. Health Ser., Salt Lake City, Utah
*NP-4063	Electronic Concentration with the Lapointe Picker Belt. Part 2. Electrical Circuits of for the Lapointe Picker	R. Wilmot, 7/3/52 Dept. of Mines and Tech. Surveys (Canada)
*NYO-585	Adaptation of Tracer Techniques to Mineral Engineering Problems	M. I. T. 3/15/50
*NYO-6056	An Investigation of the Mineralogy, Petrography, and Paleobotany of Uranium-Bearing Shales and Lignites. Scope A- Shales. Quarterly Progress Report (for) Period of July 1, 1953 to September 30, 1953 with Appendix: Nuclear Emulsions for Electron Microscope	Erwin 10/1/53 Strahl, et al, Penn. State Coll.
*NYO-6057	An Investigation of the Mineralogy, Petrography and Paleo- botany of Uranium-Bearing Shales and Lignites. Quarterly Progress Report (for) Period...	E. Koppe E. Erickson, et al
*NYO-6086	An Investigation of the Chemical Nature of the Organic Matter of Uraniferous Shales. First Annual Report (for) January 1, 1953 to December 31, 1953	C. Kinney, 9/30/53 Penn. State Coll.
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*AERE-G/M-77	Preliminary Electron Microscope Measurements of Particle Size in Beryllia	C. Lees S. Morgan	
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UCRL-2521	Chelating Agents Applied to Ion Exchange Separations of Americium and Curium	R. Glass	3/23/54
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