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UNIVERSITY OF CALIFORNIA UNCLASSIFIED

Radiation Laboratory
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December 1, 1954

Printed for the U. S. Atomic Energy Commission

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 NOVEMBER 16-30, 1954

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

December 1, 1954

Index Number	Title	Author	Date
	BIOSCIENCES		
*AECU-2712	(Utilization of Fission Products) Problems of Handling a Ten-Kilocurie Gamma Radiation Source	L. Brownell, W. Meinke, J. Nehemias, et al. Univ. Michigan	1953
*AECU-2931	Susceptibility of the Intestinal Tract to Infection Following Total Body Irradiation	D. Ruml, D. Cooper, C. Hammond, et al. Univ. Chicago	1954
*AECU-2671	Activated Sludge Treatment of a Mixture of Radioactive Laundry Waste and Sanitary Sewage	L. Reading, E. Mathews, C. Christenson, et al. Los Alamos	1953
*AECU-2782	Viscosity Studies on the Sodium Desoxyribonucleates Obtained from Pneumococcus Type III and Pneumococcus Type VI	V. Koenig Los Alamos	1953
*AECU-2932	Endogenous Infection in Mice Irradiated with Fast Neutrons or Gamma Rays	H. Vogel, J. Clark, C. Hammond, et al. Argonne Nat'l Lab.	1954

*Microcards

*AECU-2933	The Effect of Streptomycin Therapy on Mice Irradiated with Fast Neutrons	C. Hammond H. Vogel J. Clark, et al. Univ. Chicago	1954
*AECU-2934	Effect of X-Rays on Hemolysin Formation Following Various Immunization and Irradiation Procedures	W. Taliaferro L. Taliaferro Univ. Chicago	1954
*AECU-2935	Further Studies on the Radiosensitive Stages in Hemolysin Formation	W. Taliaferro L. Taliaferro Univ. Chicago	1954
*AECU-2945	The Absorption and Distribution of Radioactivity in Plants Grown upon Soils Contaminated with Fission Products--A Preliminary Report	W. Long F. Teubner S. Wittwer, et al. Mich. State Coll.	9-54
*AECU-2947	Beryllium--Medical and Engineering Control	M. Robbins	1954
AECU-2952	Research Report No. 3-54: Investigation of Gamma Sterilization. Final Report for the Period July 1, 1953 through June 30, 1954.	C. Denny, C. Bohrer J. Reed Wash. Res. Lab.	10-54
ANL-5332	Quarterly Report of Biological and Medical Research Division	A. Brues Argonne Nat'l Lab.	10-54
*BNL-1069	The Mechanism of Genetic Effect of P^{32} in Bacteria	B. Rubin	
*BNL-1622	Studies on Induced Mutation in Maize	E. Dollinger	1953

*Microcards

*BNL-1708	Position of C^{14} in Alcohol and Carbon Dioxide formed from Labeled Glucose by Corn Root Tips	H. Beevers M. Gibbs (Purdue Univ.)	1953
*BNL-1724	The Direct Oxidation Pathway in Plant Respiration	H. Beevers M. Gibbs	1953
*BNL-1778	Sex-Linked Lethal Mutations Induced by Thermal Neutrons in Male and Female Drosophila melanogaster	R. King E. Wood	1953
*BNL-1971	Metabolic Effects of Marked Sodium Restriction in Hypertensive Patients. 3. Skin Electrolyte Losses.	L. Dahl B. Stall G. Cotzias	1954
*BNL-1973	Effects of Ionizing Radiations on Seeds of Barley	R. Caldecott	1954
*BNL-1978	Studies of the Radiation Syndrome in Drosophila melanogaster	R. King L. Wilson	1954
*BNL-1979	Studies with Radiophosphorus in Drosophila. 5. Quantitative Studies on the Phosphorus Balance of Adult Female Flies Feeding Upon Yeast.	R. King L. Wilson	1954
*BNL-1988	Physics and Physiology of Neutron Capture Therapy	L. Farr J. Robertson E. Stickley	1954
*BNL-2008	Pile Neutron Effects on Coenzyme I Levels in Rat Livers.	L. Hankes E. Stickely	1954
*BNL-2012	Bacterial Virus: Radiation and Function	D. Fluke E. Pollard	1954
*BNL-2014	The Relation of Genome Number to Radiosensitivity in Habrobracon	A. Clark (Univ. Delaware)	1954

*Microcards

*BNL-1963	The Effect of Certain Gases on the Radiosensitivity of Habrobracon during Development	A. Clark E. Herr (Univ. Delaware, Marine Biol. Lab.)	1954
*CF-53-9-77	Reference Weighted Energy for Radium^{226}	T. Burnett ORNL	9-16-53
HW-30220	Gastro-Intestinal Absorption of Plutonium II. Effect of Plutonium Concentration in Solution Fed	J. Katz M. Weeks R. Thompson	1-4-54
LA-1713	Alpha Floor Monitor	M. Tattan	8-2-54
*M-4475	Atomic Energy Commission Project at Boyce Thompson Institute. (The Effects of Uranyl nitrate, UF_4 and UO_2 on the movement of chemicals in plants.)	P. Zimmerman A. Hitchcock Boyce Thomspson Inst.	4-11-49
NM 000 018.03 Memo 54-7	Membrane Potentials of the Squid Giant Axon in Vivo (Naval Medical Research Institute, Bethesda, Md.)	J. Moore K. Cole	7-21-54
NM 000 018.06.36	Nature of the Acetyl Cholinesterase Surface III. Enzymatic Response to Cis-Trans Isomers in the Cyclohexane Series as Mapping Agents	H. Baldridge W. McCarville S. Friess	7-28-54
NM 004 005.03.07	The Measurement of High Frequency Sound Velocity in Mammalian Soft Tissues	D. Goldman J. Richards	6-30-54
NM 005 048.11.06	A Booster Effect of Irradiated or Formolized Newcastel Disease Virus upon the Infectivity of Active Virus in the Presence of Chicken Blood	E. Traub	4-23-54
NM 005 048.17.01	The Immune-Adherence Phenomenon. An Immunologically Specific Reaction between Microorganisms and Erythrocytes, Leading to Enhanced Phagocytosis	R. Nelson (Johns Hopkins)	5-7-54

*Microcards

NM 005 048.20.02	The Ectopic Development of Malarial Oocysts	A. Weathersby	8-6-54
NM 006 012.04.67	An Analysis of the Effects of Total-Body X-Irradiation on the Body Weight of White Swiss Mice. I. The Weight and Mortality Response of Male and Female Mice in the Lethal X-Ray Dose Range	W. Chapman	8-14-54
NM 007 081.11.07	Blood Sulfhydryl Content in Rats and Guinea Pigs Treated with Cortisone or Adrenocorticotropin	E. Vollmer M. Carey K. Henry	8-17-54
NM 007 081.11.08	Prevention of Alloxan Diabetes by Sodium Nitrite and Para-aminopropiophenone	E. Vollmer M. Carey R. Golden, et. al	8-17-54
NM Lecture No. 54-3	The Lucite Calvarium for Direct Observation of the Brain in Monkeys. Modified Methods for Installing Large and Small Removable Windows by Indirect Fixation	D. Minard E. Osserman S. Howell	8-3-54
NM Research Summaries 1-1 to 6-30-54	Summaries of Research 1 January - 30 June 1954		
*NYO-1526	Monthly Report of Laboratory Activities: Health and Safety Division	M. Eisenbud N. Y. Operations Office	5-50
NYO-4603	Filtration of Monodisperse Solid Aerosols	V. Drozin D. Hochberg Columbia Univ.	8-31-54
*ORO-21	Quarterly Progress and Work Accomplishment Report for Quarter Ending March 31, 1950; Agricultural Research Program	Tennessee University	3-31-50
*ORO-27	Quarterly Progress and Work Accomplishment Report (for) Quarter Ending December 31, 1950: Agricultural Research Program	Tennessee University, AEC	1951

*Microcards

*ORO-32	Studies in Isolation and Identification of Flavonoid Pigments of use in the control of Radiation Injury. Progress Report for 1950.	Oklahoma Univ. Research Inst.	12-29-50
*ORO-43	Quarterly Progress and Work Accomplishment Report for Quarter Ending June 30, 1951; Agricultural Research Program.	Tennessee Univ.	6-30-51
*ORO-54	Quarterly Progress and Work Accomplishment Report for Quarter Ending September 30, 1951.	Tennessee Univ.	
*ORO-68	Quarterly Progress and Work Accomplishment Report for Quarter Ending March 31, 1952.	Tennessee Univ.	
UCLA-313	The Effect of Ionizing Radiations upon Essential M[illegible] Metabolites in Aqueous Media	J. Mead H. Barrett	11-5-54
UCLA-314	A Kinetic Analysis of the Glycolytic Rate and its Relationship to Cell Aldolase, Isomerase, Glyceraldehyde-3-Phosphate Dehydrogenase, Lactic Dehydrogenase, α-Glycerophosphate Dehydrogenase, and Pyridine Nucleotides in Normal and Leukemic Leukocytes	W. Beck	11-4-54
UCLA-315	A Liquid Scintillation Counter for Carbon-14	J. Dietrich W. Kennedy	11-1-54
UR-354	Studies on Flash Burns: Further Report on the Protective Qualities of Fabrics, as Expressed by a Protective Index	G. Mixter	10-27-54
USNRDL-TR-10	Preparation of Simulants for Contaminants Produced by Nuclear Detonations in Harbors	J. Lai D. MacDonald S. Baum, et al.	8-6-54

* Microcards

CHEMISTRY

*AECD-3607	Determination of Copper, Cobalt and Nickel in Uranyl Solutions	J. Chilton ORNL	10-53
*AECD-3618	Phase Equilibria in the Condensed System Bromine Trifluoride-Uranium Hexafluoride	J. Fischer R. Vogel Argonne Nat'l Lab.	10-8-53
*AECD-3619	Solid-Liquid Phase Equilibria in the Condensed System Bromine-Uranium Hexafluoride	J. Fischer R. Vogel	10-20-53
*AECU-209	Determination of Uranium 234 by Alpha Counting	C. Kienberger Carbide & Carbon Chemical Corp., K-25	3-14-49
*AECU-408	Semi-Micro Gravimetric Determination of Uranium	W. Harris E. Baer E. Marshall	6-29-49
*AECU-2669	Reaction of Thallium with Oxygen and Moisture	J. Waber G. Sturdy Los Alamos	1953
*AECU-2802	Infrared Spectra of CH_3COONa and CD_3COONa and Assignments of Vibrational Frequencies	L. Jones E. McLaren	
*AECU-2825	Metal Ion Chelate Complexes. Progress Report Covering Period February 1, 1953 to February 1, 1954	Purdue Univ.	
*AECU-2839	A Separation of Mixtures of Tritium and Hydrogen Using Hertz Pumps	F. Dunn J. Mosley R. Potter Los Alamos	1953

*Microcards

*AECU-2927	The Behavior of Organic Compounds at the Dropping Mercury Electrode in Non-Associated Anhydrous Solvents. Final Report.	S. Wawzonek E. Blaha, et al. Iowa State Univ.	7-31-54
*AECU-2936	The Flocculation of Low Grade Oxide Uranium Ores. (Pt. 1) Institute for Study of Rate Processes, University of Utah	M. Wadsworth I. Cutler M. Cook	2-16-53
*AECU-2937	The Flocculation of Low Grade Oxide Uranium Ores. (Part 2)	M. Wadsworth I. Cutler M. Cook	3-13-53
*AECU-2938	The Quantitative Application of Infrared Spectroscopy to Studies in Surface Chemistry	R. French M. Wadsworth M. Cook, et al.	2-54
*AECU-2939	Flocculation of Mineral Suspensions with Coprecipitated Polyelectrolytes	M. Wadsworth I. Cutler	6-54
*AECU-2940	Rate of Flocculation in Dilute Clay Suspensions	T. Mackay I. Cutler M. Wadsworth	6-54
*AECU-2941	Viscosity of Clay Suspensions in the Presence of Polyanionic Flocculants	T. Mackay I. Cutler M. Wadsworth	6-54
*AECU-2944	A Variable Field Survey Beta-Ray Spectrometer	W. Meinke W. Cassatt, et al. Univ. Mich.	6-10-54
*AECU-2946	The Alkaline Leaching of Uranium Ores Proposed as Feed to the Pilot Plant at Grand Junction, Colorado	C. Wheeler B. Langston F. Stephens Battelle Memorial Inst.	8-20-54

*Microcards

AERE C/M 213	The Determination of Gallium	G. Milner	8-10-54
AERE M/R 1470	Electrolytic Current Flow by Bubble Migration	O. Flint	7-6-54
*ANL-DCS-6	Recovery of Heavy Elements from Sea Water Part 2. A New Method of Uranium Analysis	D. Stewart W. Bentley	11-53
*BNL-1209	The Radical Pair Yield of Ionizing Radiation in Ferrous Sulfate and Ceric Sulfate Solutions	E. Johnson	
*BNL-1610	The Fluorescence Spectrum of Triphenylmethyl at 4°K.	S. Weissman (Washington Univ.)	1953
*BNL-1688	Gamma Ray Polymerization of Acrylamide in the Solid State	R. Mesrobian P. Ander D. Ballantine, et al.	1-15-54
*BNL-1791	The Absolute Yield of the Ferrous Sulfate Oxidation Reaction	J. Weiss W. Bernstein J. Kuper	1954
*BNL-1793	Kinetics of Complex Isotopic Exchange Reactions	A. Kant	1953
*BNL-1975	Color Centers Induced in Al_2O_3 by Reactor and Gamma-Ray Irradiation	P. Levy G. Dienes	8-9-54
*BNL-1989	The Isotope Abundances of Chlorine from Various Sources.	H. Owen O. Schaeffer	1954
*BNL-2007	The Radiation Chemistry of Nitrite Ion in Aqueous Solution	H. Schwarz A. Allen	1954
*CCC-1024-TR-43	Solubility of Boron Trifluoride in Benzene and Toluene	C. Wheeler H. Keating New Hampshire Univ.	9-27-54

*Microcards

*CCC-1024-TR-44	The Effect of Additives on the Viscosity of Boric Oxide.	R. Kruh Arkansas Univ.	9-28-54
*CCC-1024-TR-45	The Atomic Parachor, Refraction and Dispersion of Boron in Organo-Boron Compounds	P. Pickard M. Patterson Oklahoma Univ.	9-29-54
*CF-53-5-149	A Preliminary Study of the Electrical Conductivity of Strong Electrolytes for Possible Application in Volume Heat Source Experiments	N. Greene ORNL	5-19-53
HW-32626	The Mechanism of Uranium Extraction by Tributyl Phosphate	H. Hahn Hanford Works	7-20-54
*ISC-496	Transport Numbers in Pure Fused Salts	F. Duke R. Laity Ames Lab.	6-25-54
*JPL-PR-20-205	Conductometric Method for the Rapid Chemical Analysis of the Nitric Acid-Nitrogen Dioxide-Water System	D. Mason L. Taylor S. Vango Cal Tech	1-4-54
KAPL-1180	X-Ray Scattering by Neutron Irradiated Single Crystals of Boron Carbide. Part I.	C. Tucker P. Senio Knolls Atomic Power Lab.	8-16-54
*MCC-1023-TR-59	Scope 1. Flame Photometric Study of Boron. Scope 2. Flame Photometric Determination of Elements Associated with Boron in Boron Containing Compounds. Part 1. Copper. Final Project Report.	Tennessee Univ.	6-54
*MDDC-1579	Electrolysis of Non-Aqueous Solutions of Uranium Bromides; and Reaction of Alkali Metals with Uranium Bromides in Liquid Ammonia.	E. Eastman B. Fontana	6-45

*Microcards

MISC 1954-113	Progress Report 3: AEC Nuclear Chemistry	W. Meinke Univ. of Mich.	11-1-54
MLM-788 (Rev.)	The Viscosity of Uranyl Sulfate Solutions 20° to 90° C.	J. Heinks J. Jegart	2-22-54
MLM-901	The Vapor Pressure of Actinium (Preliminary Report)	K. Foster	7-7-53
*NBS-3456	Thermodynamic Properties of Boron Compounds	D. Wagman T. Munson, et al.	8-30-54
*NP-5345	Color Centers in Calcium Fluoride Crystals	A. Smakula MIT	9-54
*NP-5348	Research in High Polymer Chemistry--Rates of Initiation in Vinyl Polymerization. Tech. Report 3. The Interaction of Beta Particles with Organic Liquids in the Presence of Vinyl Monomers. 2. Theory for a Point Source.	W. Seitzer A. Tobolsky Princeton Univ.	9-25-54
*NP-5349	Research in High Polymer Chemistry--Rates of Initiation in Vinyl Polymerization. Tech. Report 4. The Interaction of Beta Particles with Organic Liquids in the Presence of Vinyl Monomers. 3. Calculation of Rates of Initiation.	W. Seitzer A. Tobolsky Princeton Univ.	10-1-54
*NP-5353	Heterogeneity of Surfaces. Tech. Report 6. (6-1-53 to 5-31-54) Immersion Calorimetry and Adsorption Studies of the Heterogeneous Nature of Nickel and Carbon Surfaces.	J. Chessick F. Healey, et al. Lehigh Univ.	6-54
*NP-5360	Separation of Isotopes by Electrolysis. Final Technical Report.	F. Rohrman W. Utlaut, et al. Colo. Univ.	9-13-54
*NP-5362	Quarterly Progress Report No. 14. (Molecular Structure Studies of Ammonia, Copper, Nickel, Potassium chloride and water)	MIT	10-15-54

*Microcards

*NYO-3525	Phase Relations in the System Sodium Oxide-Uranium Troxide-Water at 50° and 75° C. Final Report	J. Ricce F. Loprest New York Univ.	8-54
*NYO-3636	Studies on Coordination Compounds. 12. Calculation on Thermodynamic Formation Constants at Varying Ionic Strengths.	R. Izatt C. Hass B. Block, et al. Penn State	12-16-53
*NYO-3776	Structure and Behavior of Organic Analytical Reagents 7. Stability of Chelates of 2-(o-Hydroxyphenyl) Benzimidazole and Analogous Reagents	W. Johnston H. Freiser Univ. Pittsburgh	1953
*NYO-3948	Structures of Fluorocarbons, Elementary Boron, and Boron Compounds. Progress Report (for April 1, 1953-March 31, 1954).	J. Hoard Cornell Univ.	4-1-54
*NYO-6276	Photochemical Reactions of Complex Molecules in Condensed Phase	H. Linschitz M. Berry D. Schweitzer, et al. Syracuse Univ.	12-1-53
*ORO-113	Measurements with the Oxygen Electrode at High Temperatures. (Final Report).	D. Hill B. Porter Duke Univ.	9-15-53
TEI-453	The Determination of Potassium and Sodium in Siliceous, Argillaceous, and Phosphatic Rocks by the Flame Photometer.	L. Jenkins Geological Survey	7-54
*WAPD-T-4	The Spectrographic Analysis of 18-8 Stainless Steel for Cobalt, Manganese and Stabilizing Elements.	N. Gordon R. Jacobs M. Rickel Westinghouse Atomic Power Division	1-11-52

*Microcards

*Y-B4-20	Ionization and Migration of Air and Rare Gases. An Abstract Bibliography.	F. Sachs	7-23-51
*Y-B4-21	Diffusion of Gases and Liquids in Solids.	F. Sachs	7-23-51
*Y-B4-45	Gas Analysis for Carbon Dioxide, Hydrogen, and Oxygen.	F. Sachs	10-23-51
*Y-B4-49	X-Ray Spectra of Polonium.	F. Sachs	11-26-51

GEOSCIENCES

*RME-31	Airborne Radiometric Survey of the Willaha Coconino County, Arizona Area.	M. Nielsen Grand Junc. Operations, AEC	7-15-53
RME-2009	Preliminary Regional Mapping in the Ruby Quadrangle Arizona	B. Webb Salt Lake Explor. Br., AEC	5-54
*RME-3053	A Study of Radiometric Techniques for Evaluating the Uranium Content of Rocks and Minerals. Final Report.	C. Stone L. Reiffel Armour Res. Found.	6-53
*RME-3058	Relation of Sedimentary Features of the Salt Wash Sandstone to Tectonic Elements and Uranium Mineralization. Progress Report, April 1, 1953 to September 1, 1953.	W. Stokes Univ. of Utah	10-12-53
*RMO-612	Annual Report for Period June 8, 1949 to July 1, 1950.	J. Gruner L. Gardiner Minnesota Univ.	7-28-50
*RMO-715	Mineralogical Studies of Uraninite and Uraninite-Bearing Deposits: July 1, 1949 - June 30, 1950.	P. Kerr AEC	7-1-50

*Microcards

*RMO-746	Third Progress Report, for Period March 1 to July 1, 1950. (Mineralogical description of some areas in Utah, New Mexico, and Arizona.)	J. Gruner L. Gardiner Minnesota Univ.	7-28-50
*RMO-747	Fourth Progress Report for Period July 1 to November 1, 1950. (State of Uranium in natural asphaltic and liquitized material.)	J. Gruner L. Gardiner	11-28-50
*RMO-748	Fifth Progress Report for Period November 1, 1950 to February 27, 1951.	J. Gruner L. Gardiner	3-12-51
*RMO-987	Reconnaissance and Investigational Drilling on Hoskinnini and Nokai Mesas, San Jouan County, Utah, and Navajo County, Arizona.	C. Gregg Exploration Div., AEC	11-3-52

ENGINEERING

*AECU-2948	Interface Instability of the Helmholtz Type.	G. Carrier Los Alamos	
*HE-150-77	Fluid Flow and Heat Transfer at Low Pressures and Temperatures. Convective Heat Transfer to Spheres in a Free-Molecule Flow.	F. Sauer Univ. Calif.	1-29-51
*NEPA-NCR-2	Thermal Conductivity of an Alundum Hollow Cylinder.	J. Neely J. Trice C. Teeter Fairchild Aircraft Corp.	1-5-49
*NP-5350	Natural Circulation with NaK-56 in four Vertical Unbaffled Heat Exchangers	M. McGoff J. Mausteller Mine Safety Appliances	9-30-54

*Microcards

*Y-F10-28	Temperature Variation with Space and Time in an Infinitely Long Cylinder Concentric with an Interior Cylinder in which there is a steady source of heat.	T. Rubin Oak Ridge	12-29-50

METALLURGY & CERAMICS

*AD-26412	The Influence of Surface Treatment of the Fatigue Properties of Titanium and Titanium Alloys. Progress Report. 6.	L. Thomassen M. Sinnott A. Demmler Univ. of Mich.	1953
*AD-32009	A Study of Creep of Titanium and Two of its Alloys. Progress Report No. 13 Covering the Period October 1, 1953 to December 31, 1953.	J. Gluck J. Freeman	
*AECD-3602	The Thorium-Vanadium System.	H. Levingston B. Rogers Ames Lab.	4-22-53
*AECD-3616	A Model for Radiation Damaged Ductile Metals.	A. Holden F. Kunz KAPL	6-10-53
*AECU-250	Examination of Porous Materials which are being Considered for use in Ion Diffusion Experiments.	L. Newman T. Willmarth Clinton Nat'l Lab.	2-9-48
*AECU-2744	Discussion of "The System Zirconium-Aluminum by D. J. McPherson and M. Hansen."	J. Keeler Gen. Elec. Res. Lab.	
AERE M/TN 24	The Surface Tension of Liquid Metals and Alloys	J. Taylor Atom. Ener. Res., Harwell, England	

* Microcards

*AML-NAM-2543 Part 2	Seam Welding of Aluminum Alloys	G. Boss Nav. Exp. Sta., Phila.	6-11-47
*AML-NAM-AE-25685	An Investigation of the Brazing of Aluminum Alloy Parts.	J. Ballingall	5-5-50
ANL-5227	Eddy Current Type Diameter Gauge for Corrosion Measurements	W. Doe	9-54
*BNL-1975	Color Centers induced in Al_2O_3 by Reactor and Gamma-Ray Irradiation	P. Levy G. Dienes	8-9-54
*CAL-IG-886-S-1	Proposed Future Investigations of High Temperature Wire Resistance Strain Gages.	J. Carpenter Cornell Aero. Lab.	8-53
*CU-22-53-AF-75 Met	A Fundamental Study in the Principles Covering Seizing and Galling in Metals. Quarterly Progress Report No. 7 for August 6, 1953 to November 6, 1953.	E. Machlin W. Yankee Columbia Univ.	
*DF-53-S841	Brazing Aluminum to Aluminum, Copper and Silver	C. Bailey Gen. Elec. Co.	10-2-53
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