

UCRL 2261
UNIVERSITY OF CALIFORNIA

UNIVERSITY OF
CALIFORNIA

*Radiation
Laboratory*

TWO-WEEK LOAN COPY

*This is a Library Circulating Copy
which may be borrowed for two weeks.
For a personal retention copy, call
Tech. Info. Division, Ext. 5545*

BERKELEY, CALIFORNIA

DISCLAIMER

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor the Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or the Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof or the Regents of the University of California.

UNIVERSITY OF CALIFORNIA
Radiation Laboratory
Berkeley, California

Contract No. W-7405-eng-48

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

October 19, 1954

. 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 IN THE UCRL INFORMATION
DIVISION DURING THE PERIOD OF OCTOBER 1-15, 1954

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

October 19, 1954

Index Number	Title	Author	Date
BIO-SCIENCES			
*AECU-378	Summary of Mouse Genetics Work	D. Charles Univ. of Rochester	
*DC-53-6-72	Community Air Monitoring Program of GE-ANP	R. Baker	6-1-53
NM-000 018.07 Memo 53-15	Experiments with Chick Embryo-Adapted Foot-and-Mouth Disease Virus and a Method for the Rapid Adaptation	E. Traub W. Capps	8-11-53
NM-004 008.04.02	The Influence of Simulated Mutilation Upon the Perception of the Human Figure	W. Wittreich K. Radcliffe, Jr.	6-3-54
NM-005 048.06.06	The Effect of Age and Sex Ratio on the Mating Activity of Anopheles Quadrimaculatus Say	L. Terzian N. Stahler	6-22-54
NM-006 012.04.62	Oral Manifestations of Ionizing Radiation II. Effect of 200 KV X-ray rat Incisor Teeth when Administered Locally to the Head in the 1500 r Dose Range	J. English C. Schlack F. Ellinger	5-19-53
NM-006 012.04.69	Developmental Study of the Use of Vycor Glass for Gamma Ray Dosimetry	M. Eicher	5-17-54
NM-000 018.06.32	On the Mg(II) Activation of Acetyl Cholinesterase	I. Wilson E. Cabib	6-26-54
NM-000 019.03.01	A High-Impedance Input Circuit Suitable for Electrophysiological Recording from Micropipette Electrodes	E. MacNichol, Jr. H. Wagner	4-22-54
NM-Lecture No. 53-9	Reproducibility of the Lethal Effect of Total-Body Irradiation in Mice	F. Ellinger J. Morgan E. Cook	11-23-53

*Microcard

*NP-5298	Ionizing Radiations. Their Production, Effects and Utilization (with Special Reference to Food and Packaging Technology). Subject Index. Bibliographic Series No. 4, (Part 3)	Quartermaster Food and Con- tainer Inst.	6-54
*NP-5316	A Constant Air Monitor for Alpha-Emitting Isotopes	J. Auxier W. Blakey USAF School of Aviation Med.	6-54
*NYO-3344	Bactericidal Effects of Ionizing Radiations on E. Coli, S. Thermoacidurans, and Cl. Sporogenes as influenced by Different Conditions of Atmosphere, Medium and Physical State in Which Samples are Irradiated. Final Report for the Period January 1, 1954 through June 30, 1954	B. Proctor S. Goldblith MIT	6-30-54
ORNL-1763	Health Physics Division Semiannual Progress Report for Period Ending July 31, 1954	K. Morgan	9-27-54
UCLA-304	Applicability of Chemical Dosimetry in Civil Defense	G. Taplin	9-15-54
UCLA-305	A Multichannel Telemetering System for the Detection and Recording of Atmospheric Radiation	W. Kennedy F. Strebe	9-20-54
UCLA-306	Studies of the New Hampshire Chicken Embryo V. Lipids of Whole Plasma and of Plasma Lipoproteins	O. Schjeide	
UCLA-308	Lengths of Eight Strains of Tobacco Mosaic Virus	J. Rowen W. Ginoza	10-1-54
UR-299	The Distribution and Excretion of Orally Administered Polonium in the Rat	J. Stannard	9-17-54
UR-353	An Evaluation of Black Polyethylene as a Skin Simulant Under Fabrics Exposed to Thermal Radiant Energy	G. Mixter, Jr. T. Davis	9-9-54
USNRDL-TR-7	An Apparatus for Measurement of Activity in Small Animals	T. Castanera D. Kimeldorf D. Jones	7-7-54

*Microcard

CHEMISTRY

*AD-16835	Standardization of Surface Properties of Fine Particles Quarterly Report No. 1	J. Dallavalle C. Orr, Jr. H. Blocker Georgia Inst. of Tech.	7-30-53
AEC-tr-1931	New Results in Preparative Hydride Research	E. Wilberg TIS	4-8-54
AECU-2851	A Spectrographic Method for Thorium. Final Report	F. Lindstrom Wisconsin Univ.	8-53
*CCC-1024-TR-39	Determination of Carbon, Hydrogen, and Nitrogen in Organoboron Compounds	P. Arthur R. Annino W. Donohoo Okla. Agric. and Mech. College	7-24-54
ISC-516	Quantitative Spectrographic Analysis of the Rare Earth Elements	V. Fassel B. Quinney, et al Ames Lab.	9-7-54
K-1158	Results of Efficiency Tests Performed on a Multi- Range Wire-Mesh Entrainment Separator	R. Trehearne J. Baker	9-16-54
*MCC-1023-TR-29	A Study of the Explosive Oxidation of Diborane	W. Roth Renssalaer Poly- technic Inst.	5-54
MISC 1954-90	Mass Spectroscopy Nuclear Science Series Report No. 14	M. Inghram R. Hayden Nat'l. Res. Council	1954
MISC 1954-92	Rate Theory and Irreversible Thermodynamics-- The Linear Approximation Tech. Report No. XIV	R. Marcus R. Parlin H. Eyring Utah Univ.	7-30-54

*Microcard

MISC 1954-96	Heats of Adsorption of Polar Molecules on Carbon Surfaces II. Ammonia and Methylamine Tech. Report No. 5	R. Beebe R. Dell Amherst College	8-54
*NBS-3454	Electronic Structure of Stable Pentaborane	M. Wallenstein	6-30-54
*NBS-3455	Bond Energies and Heats of Formation of Some Boron Compounds	M. Wallenstein E. Prosen	6-30-54
NM-000 018.07 Memo 53-10	Kinetics of the Pre-Steady State System of Catalase with Hydrogen Peroxide	R. Beers, Jr.	7-13-53
NM-000 018.07 Memo 54-4	Altered Proportions of Isotopes of Molecular Nitrogen as Evidence for a Monomolecular Reaction	M. Walser J. George L. Bodenlos	5-7-54
*NP-5258	Development of Polynuclear Aromatic Compounds for Use as High-Temperature Lubricants and Related Materials. Quarterly Report No. 2 (For) November 1, 1953 - February 1, 1954	Southwest Res. Inst.	
*NP-5282	Development and Evaluation of High Temperature Greases. Quarterly Report No. 12	E. Swakon A. Borg Standard Oil Co. of Indiana	4-54
*NP-5296	Research and Development on High-Frequency Fields for Chemical Analysis. Conductometric Titrations with Dimethylglyoxime. Tech. Report No. 5 (For) September 16, 1953 - August 1, 1954	J. Hall J. Gibson, Jr., et al West Virginia Univ.	
*NP-5299	Infrared Emission and Absorption of Carbon Dioxide at High Temperatures	R. Tourin M. Grossman Industrial Scientific Co.	5-54
*NP-5303	A Study of Porous Media by Means of Flow Methods. The Surface Area of Carbon Blacks	G. Kraus R. Good Univ. of Cincinnati	7-30-54

*Microcard

*NP-5306	(Research in High Polymer Chemistry--Rates of Initiation in Vinyl Polymerization.) Tech. Report No. 2 The Interaction of Beta Particles with Organic Liquids in the Presence of Vinyl Monomers. 1 Experimental Results	W. Seitzer A. Tobolsky Princeton Univ.	7-25-54
*NYO-6098	Performance of Packed Columns, Part 3. Holdups for Aqueous and Nonaqueous systems	H. Shulman C. Ullrich, et al Clarkson College of Tech.	8-10-54
*NYO-6607	The Activity Coefficient of Hydrochloric Acid in Concentrated Aqueous Higher Valence Type Chloride Solutions at 25°. 1. The System: Hydrochloric Acid-Barium Chloride	H. Harned R. Gary Yale Univ.	8-17-54
*ORDWES-TN-35	Two Pendulum Type Spectrographs	R. Kardas C. Ford, et al	9-30-53
ORNL-1659	Investigations on the Ranque-Hilsch (Vortex) Tube	P. Baker W. Rathkamp	9-30-54
*PDB-122	Rapid Determination of Strontium Activity in a Mixed Fission Product Solution	E. Mizzan Chalk River Proj. (Canada)	6-1-54
*PRL-5.8	Fluids, Lubricants, Fuels and Related Materials. Final Report (For) October 1952 Through September 1953	Penn. State Coll.	12-1-53
*RDB(C)-TN-80	The Solubility of Oxygen in Sodium and Sodium-Potassium Alloy	J. Noden K. Bagley	7-20-54
RMO-2729	Progress Report Utilization of Florida Leached Zone Material August, September 1954		9-29-54
*Microcard			

GEOSCIENCES

RME-1042	Preliminary Report on Uranium Mineralization in the Troublesome Formation, Middle Park, Grand County, Colorado	J. Schlottmann L. Smith Denver Explora. Br. Div. of Raw Mat.	4-14-54
RME-1045	Preliminary Reconnaissance for Uranium in the Green River Basin and the Rock Springs Uplift, Sweetwater and Fremont Counties, Wyoming	E. Winterhalder Denver Explora. Br. Div. of Raw Mat.	3-25-54
RME-2005(Rev)	Uranium Occurrences in Wilson Creek Area, Gila County, Arizona	R. Wells A. Rambosek Div. of Raw Mat., AEC	7-54
RME-2006	Uranium Mineralization at the Mooney Claim, Silver Bow County, Montana	W. Moen Div. of Raw Mat., AEC	2-54
RME-2007	Reconnaissance for Uranium in the Hualapai Indian Reservation Area, Mohave and Coconino Counties, Arizona	R. Miller Div. of Raw Mat., AEC	4-54
RME-4022(Rev)	The Uranium Deposits of Big Indian Wash, San Juan County, Utah Revised Edition	G. Dix, Jr.	9-29-54

ENGINEERING

*AD-17874	Pin-Fin Heat Exchanger Surfaces	W. Kays Stanford Univ.	7-30-53
HE-150-123	A Note on the Effect of Slip on the Drag of a Finite Flat Plate	J. Laurmann Univ. of Cal., Berkeley	7-12-54
HE-150-124	Design of a Two Component Microbalance for Low Density Wind Tunnels	R. Latz Univ. of Cal., Berkeley	8-10-54

*Microcard

*NACA-TN-3208	Heat, Mass and Momentum Transfer for Flow Over a Flat Plate with Blowing or Suction	H. Mickley R. Ross, et al	1954
METALLURGY AND CERAMICS			
*AD-17366	Titanium Formability and Welding Characteristics. Ninth Monthly Progress Report	B. Holland H. Hix Ryan Aero. Co.	7-10-53
**AD-20804	High Temperature Strength of Wrought Aluminum Powder Products	E. Gregory N. Grant MIT	1953
AERE M/M-70	The Effect of Orientation in Indentation Hardness Testing at Low Loads	B. Mott S. Ford	1954
ANL-5286	The Forming of Zirconium by Impact Extrusion	W. Rauch	9-15-54
*ATI-168445	Welding of Titanium Alloy Plate. Report 1-1W	J. Burke	4-52
BMI-947	Brazing Nichrome V With GE-81 Alloy	H. Saller J. Stacy H. Klebanow	8-27-54
*CAL-KD-433-M-3	Report on Item Four of Aluminum Welding Rod Development for the Multi-ARC Process	V. Pingel	5-29-47
*EES-060064	Evaluation of Welded Joints Between Aisi 347 Stainless Steel and 70-30 Copper Nickel Alloy Tubes Under Thermal Shock	W. Clautice	9-4-53
*EES-060074B	Thermal Shock Test on Project Ellis Transition Weld Test Assembly No. 3 for 1050 ^o F-2000 PSI Service	J. Siegel R. Stevens	5-2-53
*EES-C-3645	Precipitation Hardening Corrosion Resistant Steels	W. Williams	9-22-49
*EES-4L(4)066918	Titanium Produced by Direct Hot Compression of Sponge Metal	W. Williams	10-4-50

*Microcard

*JPL-PR-20-196	The Structure of Some Alloys of Zirconium with Iron, Cobalt, and Chromium. Progress Report	C. Jordan P. Duwez	6-16-53
MONOGRAPH-2251	Moduli and Internal Friction of Magnetite as Affected by the Low-Temperature Transformation	M. Fine N. Kenney	6-15-54
MONOGRAPH-2302	Notes on Solution of Problems in Odd Job Vapor Coating	W. Bond	
NAA-SR-1022	Mechanism of Pore Formation Associated with the Kirkendall Effect	J. Brinkman	10-1-54
NAA-SR-1060	Lead-Bismuth Eutectic Thermal Convection Loop	R. Cygan	10-15-54
*NP-5290	The Free-Energy Change of Austenite-Pearlite Transformations. Tech. Report for the Period June 1, 1952 - June 1, 1954	W. Hagel G. Pound R. Mehl Carnegie Inst. of Tech.	6-15-54
*NP-5291	The Effect of Microstructure on the Mechanical Properties of Titanium Alloys. Interim Report No. 1. Heat Treatment and Mechanical Properties of Titanium-Copper Alloys	F. Holden A. Watts, et al BMI	5-1-54
*NP-5302	Ultrasonic Attenuation in Vacuum Annealed and Internally Oxidized Crystals of Dilute Copper Alloys	C. Ying R. Truell Brown Univ.	7-54
*NP-5314	An Abstract Compilation of the Literature on High Temperature Oxidation of Metals. Part 1	W. Fassell, Jr. M. Chamberlain R. Peterson Univ. of Utah	
NYO-6112	Annual Progress Report, Self-Diffusion in Zinc	F. Jaumot, Jr. R. Smith Franklin Inst.	9-54
SO-2035	On the Question of Strain Energy in the Formation of Solid Solutions	R. Oriani Gen. Elec. Resr. Lab.	9-54

*Microcard

*U-24025	Inert ARC Welding of Commercially Pure Titanium Sheet. Report No. 1	W. Peterson Rock Island Arsenal Lab.	8-11-52
*WADC-TR-53-16 (Part 1)	Corrosion Preventive Additives	E. Schwoegler L. Berman Armour Res. Found.	2-53
*WAL-370/13-24	Methods of Evaluating Heat and Erosion Resistant Materials. Technical Report No. 1. Ion-Scattering Analysis of Metal Surfaces	S. Ribin Stanford Res. Inst.	6-4-54
*WAL-401/88-34	Mechanism of Martensitic Transformation of Titanium Alloys. Final Report	Y. Liu New York Univ.	6-1-54
*WAL-401/147-19	Beta Plasticity in Titanium-Base Alloys. Interim Technical Report No. 3	P. Albert R. Sheeran New York Univ.	5-27-54

PHYSICS

*AD-26970	(Liquid Hydrogen as an Aircraft Fuel). Technical Report No. 27. Coefficient of Thermal Expansion of Solids at Low Temperature. 3. The Thermal Expansion of Pure Metals, with the Data for Aluminum, Nickel, Titanium, and Zirconium	H. Altman T. Rubin H. Johnson (Marjorie Lassette, ed.) Ohio State Univ.	2-10-54
AECU-2916	Nuclear Scattering of High Energy Neutrons and the Optical Model of the Nucleus	Los Alamos Sci. Lab.	6-54
CERN-PS/HGH 2	Linac Focusing by Means of Pulsed Axial Magnetic Field		
CERN-PS/KJ 27	Theoretical Losses in a Helix with Shield and Support		8-54
CERN-PS/RH 3	Some Remarks Concerning Basic Definitions in Orbit Theory		8-54

*Microcard

*COO-166	Linear Electron Accelerator; Progress Report No. 4	Purdue Univ.	6-15-54
KAPL-1182	General One-Space-Dimensional Multigroup	G. Habetler	8-26-54
MISC 1954-89	Technical Memorandum. Subject: List of the Principal Accelerators in Western Europe	Office of Naval Res., London	8-18-54
MISC 1954-90	Mass Spectroscopy Nuclear Science Series Report No. 14	M. Inghram R. Hayden Nat'l. Res. Council	1954
MISC 1954-91	Tables for the Analysis of Beta Spectra	Nat'l. Bur. of Standards	6-2-52
MISC 1954-93	Technical Report No. 14 The Kinematics of Λ^0 Production	Princeton Univ.	
MISC 1954-94	The Astronomical Validation of the Correlation Between Electromagnetism and Gravitation	J. Sadony Educ. Res. Lab. Montague, Mich.	1953
MISC 1954-95	Theory of Multiple Coulomb Scattering from Extended Nuclei	L. Cooper J. Rainwater Columbia Univ.	6-54
MISC 1954-97	Experimental Study of the μ^- Meson Mass and the Vacuum Polarization in Mesonic Atoms*	S. Koslov V. Fitch J. Rainwater Columbia Univ.	5-54
MLM-984	Thermal Batteries using Polonium-210	K. Jordan J. Birden	6-2-54
MONOGRAPH-2241	Methods for Measuring Piezoelectric, Elastic and Dielectric Coefficients of Crystals and Ceramics	W. Mason H. Jaffe	
MONOGRAPH-2242	Coupled Wave Theory and Waveguide Applications	S. Miller	5-54
MONOGRAPH-2281	Transistors and Junction Diodes in Telephone Power Plants	F. Chase B. Hamilton D. Smith	

*Microcard

MONOGRAPH-2300	Conductivity and Hall Effect in the Intrinsic Range of Germanium	F. Morin J. Maita	6-15-54
MONOGRAPH-2306	Photon-Radiative Recombination of Electrons and Holes in Germanium	W. Van Roosbroeck W. Shockley	6-15-54
NAA-SR-1076	Correction Factors for Measurements with Cadmium Covered Foils	D. Martin	10-15-54
NBS-3619	Stability of Nonlinear Feedback Control Systems	J. Koenig	8-54
NBS-3620	Frequency Method of Analyzing Intermittent Regulating Systems	Y. Tsytkin	8-54
*NP-5285	Study of Nuclear Energy Levels. Final Report	T. Hahn B. Kern	8-31-54
*NP-5287	Quarterly Progress Report (No. 34 for the Period Ending May 31, 1954)	Kentucky Univ. J. Wiesner G. Harvey H. Zimmerman MIT	7-15-54
*NP-5310	(The Wave Mechanical Problem of Three Hydrogen Atoms). Technical Report No. 5. Some Quantum Mechanical Integrals. 2. Two Elementary Two Parameter Integrals. (Studies in Applied Mathematics No. 16)	D. Baker C. Thorne, et al	8-1-54 Univ. of Utah
*NP-5312	Investigations in Nuclear Spectroscopy Final Report (For) June 1, 1953 to August 31, 1954	F. Boley Wesleyan Univ.	1954
*NP-5315 Pt. 1	Proceedings of Project Typhoon Symposium III on Simulation and Computing Techniques (Held at the University of Pennsylvania Museum Auditorium on October 12, 13 and 14)	Bur. of Aero.	
NYO-6574	The Reaction $p + p \rightarrow \pi^+ + d$ with Polarized Protons ^{X+}	T. Fields J. Fox J. Kane, et al	
*Microcard		Carnegie Inst. of Tech.	

*ORDWES-TN-35	Two Pendulum Type Spectrographs	R. Kardas C. Ford, et al Wesleyan Univ.	9-30-53
ORNL-1775	Some Improved Measurements of Nuclear Magnetic Dipole Moments by Means of Nuclear Magnetic Resonance	H. Walchli	10-1-54
ORNL-1779	Theory of the Photoelectric Effect 1. Formal Aspects	M. Rose L. Biedenharn	9-30-54
AEC-tr-1919 and 1920	A Study of the Kubecki "Magnetic" Tube as a Magnetic Field Indicator and a Study of the Applicability of the Kubecki "Mosaic" Multiplier as a Magnetic Field Indicator	A. Kalashnikov N. Krasnogorskaya Koklady Akademii Nauk, USSR	4-12-54

REACTOR SCIENCE

KAPL-1182	General One-Space-Dimensional Multigroup	G. Habetler	8-26-54
*MDDC-460	"Pile Theory Notes for M. I. T. Seminar"	T. Feld F. Friedman MIT	

MISCELLANEOUS

ASTIA-U-56	Title Announcement Bulletin		8-27-54
ASTIA-U-57	Title Announcement Bulletin		9-14-54
*GPR-2/54	Radioactivity Division General Progress Report (for) April - June 1954	Dept. of Mines and Tech. Surveys	1954
MISC 1954-29 No. 66	Translated Contents Lists of Russian Periodicals with List of Technical Books and Parts of Serial Publications available in the British Museum. No. 66	Dept. of Scientific and Indust. Res.	9-54

*Microcard

MONOGRAPH-2243	Continuous Incremental Thickness Measurements of Nonconductive Cable Sheath and Thickness Measurement and Control in the Manufacture of Polyethylene Cable Sheath	B. Wojciechowski W. Eppler	3-54
NACA Abstract No. 71	Research Abstracts October 7, 1954, No. 71		
NACA Index (1953-1954)	Index of NACA Technical Publications June 1953 - May, 1954		1954
*NP-5292	Emergency Seal for Liquid Sodium	V. Heckel E. King Mine Safety Appliances Co.	8-31-54
*NP-5294	Test and Assembly Data for Boiler Test Vessels. (Job) AEJ-4. Report No. 250	O. Carpenter C. Floyd Babcock and Wilcox Co.	1-23-53
*NP-5301	Quarterly (Progress) Report	Columbia Univ.	7-30-54
ORNL-1768	Instrumentation and Controls Division Semiannual Progress Report for Period Ending July 31, 1954	C. Borkowski	9-30-54
PR-P-22-E	Progress Report April 1, to June 30, 1954 Electronics Branch	J. Hardwick	

REPORTS ISSUED BY INFORMATION DIVISION, UCRL

UCRL-2683	A Method for Preparing Codeinone	H. Rapoport H. Reist	8-27-54
UCRL-2685	Cross Sections for Producing High-Energy Neutrons From Carbon Targets Bombarded by Protons, Deuterons, and He ³ Particles	L. Schecter W. Crandall G. Millburn J. Ise, Jr.	9-2-54

*Microcard

UCRL-2691	Physics Division Quarterly Report, May, June, July 1954		9-8-54
UCRL-2693	Small Angle Neutron-Proton Scattering at 90 and 290 Mev	J. Easley (Thesis)	9-14-54
UCRL-2697	Some Effects of Dissolved Oxygen on the Heavy Particle Irradiation of Aqueous Acetic Acid	H. Haymond (Thesis)	9-54
UCRL-2707	Use of Controlled Photosynthesis for Maintenance of Gaseous Environment	J. Bassham	9-54
UCRL-2743	List of Unclassified Reports Received and Issued in the UCRL Information Division During the Period of September 16-30, 1954		10-5-54