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UNIVERSITY OF CALIFORNIA

Radiation Laboratory

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

May 24, 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 - Joint 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
May 3, 1954

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

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

May 24, 1954

Index Number	Title	Author	Date
<u>BIOSCIENCES</u>			
AERE-I/R-1341	The Preparation of Radio-Gold for Medical Use (^{198}Au)	F. Hudswell B. J. Miles B. R. Payne K. J. Taylor	1/22/54
AERE-M/R-1342	The Degradation of Cellulose by Ionising Radiation	A. Charlesby	1/21/54
AERE-Med/R-1319	Diurnal Variations in the Red Cell Count	F. M. Turner	2/53
BNL 258(C-19)	Abnormal and Pathological Plant Growth Report of Symposium held August 3 to 5, 1953	Brookhaven Nat'l Laboratory	
KAPL-1045	Method for Evaluation Radiation Hazards from a Nuclear Incident	H. Hurwitz, Jr. J. J. Fitzgerald L. Tonks	3/26/54
LA-1641	The Relative Biological Effectiveness of Tritium Beta Rays in Producing Splenic and Thymic Weight Loss in Mice	F. C. V. Worman	1/54
LA-1643	Studies of the Effect of Massive, Rapid Doses of Gamma Rays on Mammals	W. H. Langham S. M. Rothermel K. T. Woodward, et al	11/53
LA-1646	A Theoretical Consideration of the Hazards Associated with Acute Exposure to High Concentrations of Tritium Gas	E. C. Anderson Wright Langham	2/54
LRL-113	A Constant Volume Radiochemical Hood	K. L. Powlesland G. T. Saunders	4/54

LRL-129	A Supplementary Remote Control Manipulator	R. V. Steele H. B. Thomas	5/54
NBS-3272	Life Tests and Calibration of Survey Meter EP-291, Serial No. 2 Produced by Electronic Products Company Mt. Vernon New York	F. H. Day	4/28/54
NM 005 048.01.06	Changes in Host-Cell Preferences In Malarial Parasites and Their Relation to Splenic Reticular Cells	Clay G. Huff	8/13/53
*NP-3406	Beta-Gamma Radiation Monitor Type 1043C (Cat. No. 3-7/5478); Interim Manual	Atomic Energy Res. Estab, Harwell, Berks (England)	
*NP-3407	Portable Slow Neutron Monitor Type 1116A (Cat. No. 3-7/6308) Interim Manual	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3409	Beta Counting With Alpha Assay Equipment Type 1077B; Interim Manual	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3411	Portable Gamma Radiation Monitor Type 103C (Cat. No. 3-7/5582); Interim Manual	Atomic Energy Res. Estab., Harwell, Berks (England)	12/13/49
*NP-3546	Permissible Dosage and Considerations of Calculated Risk	C. F. Behrens Naval Med. Res. Inst.	1951
*NP-3564	Further Evaluation of Present Day Knowledge of Cosmic Radiation in Terms of the Hazard to Health	Hermann J. Schaefer Naval Sch. of Aviation Med., Pensacola	8/15/51
*NP-3652	Ratemeter Type 1011; Instruction Manual	Atomic Energy Res. Estab., Harwell, Berks, (England)	5/28/48

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*NP-3690	Effect of Irradiation on P ³² Uptake by Bone Marrow and Spleen. I. Normal Values and the Effect of Sodium Pentobarbital	W. A. Rambach D. A. Moomaw H. L. Alt J. A. D. Cooper Air Univ. Sch. of Aviation Med.	4/52
*NP-3834	Monitor Radiation Beta-Gamma Portable 1043 D; Instruction Manual Issue. 1(AERE Cat. No. 3-7/6824).	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3836	C. R. O. Monitor Type 1089B; Interim Manual (AERE Cat. No. 3-7/8079).	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3837	Alpha Assay Equipment 1093B; Instruction Manual Issue 1.	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3860	Final Report; Radiation Dosimeter Reader	Stanton H. Petry Lawrence Kelsey W. M. Welch Manfg. Co.	
*NP-3930	Hand and Foot Monitor 1027B; Instruction Manual Issue 1.	Atomic Energy Res. Estab., Harwell, Berks (England)	
NYO-4591	The Sorptive and Zeolitic Properties of Natural Water Borne Silts, with Relation to Their Capacities to Remove, Transport, Concentrate, and Regenerate Radioactive Waste Components in Natural Waters--Final Report	D. E. Garritt S. H. Goodgal Dept. of Sanitary Eng. Johns Hopkins Univ.	10/53
USAF-11	Quarterly Progress Report	Univ. of Chicago Radiation Laboratory	4/15/54
UCLA-290	A New Automatic Sharpener for Microtome Blades	F. W. Bishop	5/1/54
UR-324	The Metabolism of D-Lysine- ϵ -C ¹⁴	M. Rothstein C. Bly L. Miller	4/1/54

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UR-326	The Surface Chemistry of Bone. VIII. on the Mechanism of Ionic Exchange	J. H. Weikel, Jr. W. F. Neuman Isaac Feldman	4/2/54
USNRDL-433	Anemia of Thermal Injury. Studies of Radioiron Utilization and Erythrocyte Life Span in Rats.	W. M. Davis E. L. Alpen A. K. Davis	3/19/54
USNRDL-425	The Response of Endometrial Intraocular Implants Following Total and Regional X Irradiation of the Host	E. M. Jacobsen D. J. Kimeldorf S. J. Baum	2/10/54

CHEMISTRY

AERE C/M 196	On the Accuracy of Ignition to Constant Weight, Using The Carmichael Quartz Fibre Balance	C. J. Mandleberg	2/9/54
AERE C/R 1324	The Extent of the Fast Neutron Effect on the Determination of Sodium in Aluminium by Activation in the Harwell Pile	L. Salmon	1/13/54
AERE C/R 1376	Production of Moulded Glass Ampoules	W. P. Hutchinson	2/9/54
HW-30634	Chemical Analysis By X-Ray Photometry	M. C. Lambert	1/25/54
K-1118	The Molar Polarization and Non-Ideality of Uranium Hexafluoride Vapor	Dale Magnuson	4/26/54
Monograph-2175	Electrical Decomposition of Sulfur Hexafluoride	D. Edelson C. A. Bieling G. T. Kohman	1/19-23/53
NAA-SR-890	Uranium and Perchloric Acid in Colorimetry	L. Silverman L. Moudy	2/8/54
NRL-4319	Volatile Rust Inhibitors	H. R. Baker	3/10/54
NEPA-929	Literature Survey on Properties of Bismuth	H. R. Stephan NEPA Div. Fairchild Engine and Airplane Corp.	3/10/49

- *NP-3473 Annotated Bibliography on the Use of Organo-Lithium Compounds in Organic Synthesis Metalloy Corp. 1/1/49
- *NP-3486 The Separation of Isotopic Mixtures by Means of Ultrasonic Radiation; Summary Report Chas. A. Boyd 1/3/51
J. O. Hirschfelder
Chas. F. Curtiss
Naval Res. Lab.
Univ. of Wisconsin
- *NP-3556 Heat of Adsorption on Carbon Adsorbents; Nitrogen, Argon At -195° C and Methanol at 0° C; 1 Dec. 1948 to 1 April 1950 R. A. Beebe
B. Millard
J. Cynarski
Amherst Coll.
- *NP-3584 The Chemistry of Zirconium and Hafnium; Fourth Quarterly Report; November 1, 1950 to January 31, 1951 Wisconsin Univ.
- *NP-3552 Report for Period April 1, 1950 to March 31, 1951; Part II Spectroscopic Lab.
University of Chicago
- *NP-3590 Quarterly Progress Report No. 9; May 1951 to July 1951 W. H. Pearlson
Minnesota Mining and
Manufacturing Co.
- *NP-3630 Annual Progress Report No. 2; May 1950 to May 1951 W. H. Pearlson
Minnesota Mining and
Manufacturing Co.
- *NP-3636 The Heat Capacity of Beta-Gallium Oxide from 15° to 300° K G. B. Adams, Jr.
H. L. Johnston
Cryogenic Lab.
Ohio State Univ.
- *NP-3776 Colloidal Vibration Potentials Ernest Yeager
Harry Dietrick
Frank Hovorka
Ultrasonic and Electro-
Chemistry Res. Lab.,
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*NP-3828	New Unit Speeds Analysis Work	Edward D. Padgett Alfred University	2/14/52
*NP-3877	Heat Capacity and Thermodynamic Properties of Cuprous Bromide from 16° to 300° K	Jih-Heng Hu Herrick L. Johnston Cryogenic Lab., Ohio State University	3/15/52
*NP-3915	Ternary Compounds; First Technical Report for the Period June 1, 1951 to May 31, 1952	Roland Ward Aaron Wold Beatrice Gushee Dana H. Ridgley Connecticut Univ.	
*NP-3960	Study of the Properties of Micelles; First Technical Report on New Method of Determining Diffusion Coefficients	K. J. Mysels Dirk Stigter U. of Southern Cal.	6/52
NYO-6239	Separation of Isotopes - Annual Progress Report for July 1, 1952 to July 1, 1953	W. P. Senett F. Gollob, et al Dept. of Chem. Columbia Univ.	7/1/53
UR-325	Infrared Identification in Paper Chromatography	T. Torbara V. Di Stenano	4/1/54

ENGINEERING

AERE-CP/M-164	A Safety Device for Controlling Apparatus Requiring a Flow of an Inflammable Gas for Long Periods of Time	C. E. C. Richards	12/28/53
*NP-3595	European Research on the Behavior of Materials and Experimental Stress Analysis	T. J. Dolan Illinois Univ. Engr. Exp. Stat.	11/51
*NP-3700	A Theoretical Investigation of the Temperature Field in The Laminar Boundary Layer on a Porous Flat Plate with Fluid Injection	Shao Wen Yuan Brooklyn Polytechnic Institute	9/5/47

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| *NP-3852 | Combined Stress Experiments in Plasticity | Aris Phillips
Stanford Univ.
Div. of Engr. Mechanics | 1/15/52 |
| *NP-3873 | Stress-Strain Relations in the Plastic Range - A Survey of Theory and Experiment and Bibliography | D. C. Drucker
Brown University
Div. of Appl'd Math. | 1950 |

GEOSCIENCES

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| *NP-3588 | Equilibrium Assaying of Uranium Ore | J. W. Hilborn
Dept. of Mines and
Tech. Surveys (Canada) | 12/1/51 |
| *NP-3601 | Activation Assaying for Tantalum in Ores | G. G. Eicholz
Dept. of Mines and
Tech. Surveys (Canada) | 11/6/51 |
| *NP-3725 | Notes on Prospecting for Uranium in Canada | A. H. Lang
Dept. of Mines and
Resources (Canada) | 1949 |
| RME 2004 (Pt. 1) | Report on Wagon Drilling for Uranium in the Silver Reef (Harrisburg) District, Washington County, Utah | E. J. Poehlmann
E. N. King
Div. of Raw Materials
Salt Lake Expl. | 12/53 |
| RME-3070 | Petrographical Investigations of the Salt Wash Sediments Progress Report for June 1 to October 1, 1953 | J. C. Griffiths
J. A. Cochran, et al
Penn. State Univ. | 12/53 |
| RME-3072 | Fracture Studies in the Lucero Uplift, New Mexico | Robt. W. Duschatko
Columbia University | 12/53 |
| RME-3086 | Influences on Migration of Uranium and Radioactivity | G. W. Bain
H. W. Schreiber
Amherst College | 1/54 |

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METALLURGY AND CERAMICS

AECU-2827	Influence of Substructure on the Shape of the Creep Curve	T. H. Hazlett R. D. Hansen E. R. Parker Min. Res. Lab. Inst. of Ing. UC Berkley	3/54
AEREM/R-1333	Superlattice Formation in Uranium-Molybdenum Alloys	P. C. L. Pfeil J. D. Browne	1/19/54
AEREM/R-1351	Relaxation Effects in Solid Solutions Arising from Changes in Local Order	B. G. Childs A. D. LeClaire	1/22/54
AEREX/R-1229	The Effect of Mercury on the Corrosion and Mechanical Properties of Various Materials	J. F. Strachan D. J. Jones N. L. Harris	8/11/53
BMI-908	Induction-Melted Zirconium and Zirconium Alloys	H. A. Saller R. F. Dickerson E. L. Foster, Jr.	3/18/54
LRL-126	A Modified Bridgman Furnace for the Growing of Zinc Monocrystals	J. R. Gaskill	4/54
MISC-1954-19 No. 32	Thirty-Second Quarterly Report to Sponsors of the Institute for the Study of Metals	Univ. of Chicago	3/54
MISC-1954-27	Effect of Dispersions on Mechanical Properties--Thirty Third Technical Report	Univ. of Calif. Inst. of Engr. Res. J. Dorn	11/15/53
Monograph- 2211	Dislocations or What Makes Metals So Weak	W. T. Read, Jr.	2/54
NAA-SR-270	Precipitate Kinetics and Structure in a Metastable Alloy of Iron in Copper	J. M. Denny	9/12/53
NBS-2609	The Thermal Conductivity of "Easy-Flo" Silver Solder From 20° to 200° K	R. L. Powell	6/8/53

NEPA-929	Literature Survey on Properties of Bismuth	H. R. Stephan NEPA Div. Fairchild Engine and Airplane Corp.	3/10/49
*NP-3469	Some Crystallography Phenomena Associated with Grain Growth in Copper	M. Sharp C. G. Dunn	9/26/51
*NP-3575	The Plasticity of Molybdenum Single Crystals; Terminal Report; January 1, 1950 to June 15, 1951	N. K. Chen R. Maddin Battelle Memorial Institute	6/21/51
*NP-3693	Mechanical Properties of Titanium; Third Quarterly Progress Report, Part II, May 1, 1951 to Aug. 1, 1951	F. C. Perkins F. D. Rosi B. H. Alexander Met. Labs. Sylvania Electric Products, Inc.	2/15/52
*NP-3697	Observations of Creep of the Grain Boundary in High Purity Aluminum	Hsing Chien Chang Nicholas J. Grant MIT	
*NP-3722	The Determination of Carbon in Sodium-Potassium Alloys	Kenneth G. Stoffer J. H. Phillips Babcock and Wilcox Co.	11/20/50
*NP-3813	Research and Development of Effect of Range of Stress and Prestrain on the Fatigue Properties of Titanium and Its Alloys	Carnegie Inst. of Tech.	3/1/52
*NP-3818	The Welding of Beta-Stabilized Titanium Alloys; Progress Report	G. E. Faulkner G. B. Brable C. B. Voldrich Battelle Memo. Inst.	3/18/52
*NP-3828	New Unit Speeds Analysis Work	Edward D. Padgett Alfred University	2/14/52
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*NP-3858	First Interim Technical Report on Surface Hardening of Titanium by Carburizing and Induction Heat Treating to Watertown Arsenal; Covering the Period Aug. 1, 1951 to March 31, 1952	A. J. Griesp W. M. Parris P. D. Frost J. H. Jackson Battelle Memo. Inst.	3/31/52
*NP-3899	Report on Chemical Corrosion of Welded Samples of Type 347 Stainless Steel	H. C. Ellinghausen Naval Engr. Exp. Stat., Annapolis	4/10/51
*NP-3929	Development of Phase Equilibrium Diagrams for the Titanium Rich Portions of the Ternary Systems Ti-Mn-Al, Ti-Cr-Mo, and Ti-Mn-Mo; Interim Technical Report No. 1 October 1, 1951 - January 31, 1952	W. Rostoker Armour Res. Found.	
*NP-3931	First Interim Report on a Survey of the Literature on Hydrogen in Titanium to Watertown Arsenal	G. A. Lenning C. M. Craighead R. I. Jaffe Battelle Memo. Inst.	4/1/52
*NP-3948	Galling and Seizing Characteristics of Titanium and Titanium-Base Alloys; Interim Technical Report No. 1, October 15, 1951 to April 15, 1952	Carnegie Inst. of Tech.	
*NP-3991	Metallurgical Advisory Committee on Titanium; Summary of Round Table Meeting on Surface Treatment of Titanium Held at Watertown Arsenal on May 20, 1952	Watertown Arsenal	5/20/52
U-24484	Basic Investigations of the Possibilities to Advance Into the Submillimeter Region - Interim Engineering Report No. 4 For the Period May 1, 1952 to Aug. 1, 1952	Illinois University Engr. Expr. Stat. L. Bloom K. Brunn, et al	9/1/52

*NP-3944	First Interim Report on the Effect of Microstructure on the Mechanical Properties of Titanium Alloys to Watertown Arsenal	F. Holden D. Maykuth, et al Battelle Memorial Inst.	3/12/52
NP-5100	I. Deformation Studies of Metals at Elevated Temperatures II. The Iron-Chromium-Nickel Ternary System III. Effects of Structure and Composition on the Strength Properties of Stainless Steel Periodic Status Report No. 6 November, 1953-February, 1954	H. Chang F. Monkman, et al MIT Dept., of Metallurgy	
NYO-3964	The Study of Diffusionless Phase Changes in Solid Metals and Alloys Progress Report for the Period September 1 to November 30, 1953	T. Read D. Lieberman, et al School of Mines Columbia Univ.	3/19/54
SEP-151	Self-Diffusion of Metals and Associated Phenomena Part 9 Progress Report October 1, 1952 to April 1, 1953	R. Balluffi F. Rosi L. Seigle	4/5/54
<u>PHYSICS</u>			
AERE C/R-1309	The Emission Spectrum of Americium Part I	R. Thorne	12/28/53
AERE C/R-1373	The Half Life of Curium 242	K. Glover J. Milsted	2/54
AERE E/M-78	A Collapsible Dry Box of Flexible P. V. C. Supported in a Steel Frame	R. Welsher	12/9/53
AERE EL/R-1326	A Count-Rate Meter Circuit Having Automatic Correction for Losses Caused by Finite Resolving Time	E. Pulsford	12/53
AERE-GP/R-1310	The Modification of an Electron Gun Using Electrolytic Tank Measurements on a Model	J. Aram	12/53
AERE-GP/R-1364	Angular Correlation In a Three-Stage Nuclear Reaction	M. Brinkworth	1/54

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AERE-RP/R-1330	Fission Chambers for Neutron Detection	R. Aves D. Barnes R. MacKenzie	2/26/54
AERE-T/M-99	Shunt Impedance of Rod-Loaded Waveguides	W. Walkinshaw M. Ross C. Sabel	1/54
AERE-T/M-1289	The Reduced Widths of Nuclear Energy Levels	A. Lane	1/54
AERE-T/M-95	Grid-Focused Linear Accelerator Dynamics	J. Bell	12/53
AERE-T/M-101	A Note on Gaps at Proton Energies of 10 and 50 Mev. in the Proton Linear Accelerator	M. Ross W. Walkinshaw	2/54
AFCRC-Tec. Rpt. 54-5	The Vertical Distribution on MIE Particles in the Troposphere	R. Penndorf	3/54
BNL-RMS-2	Difference Equations for Coupled Radial and Vertical Betatron Oscillations Part III	R. Sternheimer, Brookhaven Accelerator Dove. Dept.	1/25/54
CEA-41	Etude De La Focalisation Intense Dana Le Synchrotron A Protons (Theorie Lineaire) Application Au Calcul De L'Ouverture D'Un Certain Nombre De Machines Et Comparaison Avec La Machine Classique	A. Abragam C. Bloch, et al	1/54
CU-131	Progress Report Nuclear Physics Laboratories for July, August, September, 1953		
HW-30323	Table of the Function $Kj_n (X) = \frac{1}{X^n} \int_0^A u^n K_0 (u) du$	G. Muller	1/29/54
HW-30190	Absorption of Polychromatic X-Rays as a Function of Atomic Number and Source Voltage	M. Lambert	12/14/53

HW-31123	Gamma-Ray Absorption Coefficients at 6.13 Mev	R. Paul	3/12/54
K-993	The Design and Construction of a 22 Foot Direct-Reading Optical Spectrometer	T. Lee	1/15/54
LA-1631	Electron Density from Stark Broadened Profiles	H. Dreicer	9/53
MIT ELEC TEC RPT-240	Noise Figure of Traveling-Wave Tubes-Technical Report No. 240	C. Muehe, Jr.	10/16/52
MIT ELEC TEC RPT-241	A Computer for Solving Integral Formulations of Engineering Problems by Methods of Successive Approximations Technical Report No. 241	J. Ham	5/28/53
MIT ELEC TEC RPT-245	A Receiver Design for Rejecting Interference Technical Report No. 245	R. Paananen	9/22/52
Monograph-2150	Computers and Automata	C. Shannon	10/53
Monograph-2153	Machine Aid for Switching Circuit Design	C. Shannon E. Moore	10/53
Monograph-2166	Double Hysteresis Loop of BaTiO ₃ at the Curie Point	W. Merz	8/1/53
Monograph-2178	Transistor Oscillator for Use in Multifrequency Pulsing Current Supply	F. Blount	11/53
Monograph-2183	Development and Manufacture of Electroformed Conductor for Telephone Drop Wire	A. Gray G. Murray	9/53
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Monograph-2188	Random Picture Spacing with Multiple Camera Installations	R. Wilkinson H. Romig	11/53
Monograph-2191	"Billouin Flow" with Thermal Velocities	J. Pierce L. Walker	10/53

Monograph-2192	A Review of New Magnetic Phenomena	R. Alley, Jr.	9/53
Monograph-2197	Semiconductor Diode Gates	L. Hussey	9/53
NBS-3238	Ionization Chamber Response as a Function of Wall Material Fifth and Sixth Quarterly Progress Reports Covering the Period July 1, 1953 thru December 31, 1953	F. Attix	
NBS-3265	Calibration of Six AN/PDR-32, Type A, Radiac Sets Constructed by Anton Laboratories, Inc.	F. Day	4/26/54
NBS-3269	Calibration of Six AN/PDR-40 (XN) Radiac Sets Constructed by Admiral Corporation Chicago, Illinois	F. Day	4/26/54
*NP-3405	Working Instruction Manual for Probe Unit Type 1014A (Cat. No. 3-7/4189)	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3408	Working Instruction Manual for Probe Unit Type 200 (Cat. No. 3-7/0003)	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3410	Vibrating Reed Electrometer Type 1079C, 1149B and 1141A; Interim Manual	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3412	Pulse Generator Type 1013C; Interim Manual	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3413	Working Instruction Manual for Timing Unit Type 1003 (Cat. No. 3-7/2971)	Atomic Energy Res. Estab., Harwell, Berks (England)	
*NP-3466	Hydraulic Jets at Low Reynolds Number and Constant Weber Number (Medical Laboratories Research Report No. 64)	G. Asset P. Bales, Chemical Corps	6/51
*Microcards			

*NP-3472	Electromagnetic Resonant Behavior of a Confocal Spheroidal Cavity System in the Microwave Region	J. Simons J. Slater, Mass. Inst. of Tec.	1951
*NP-3478	Dynamics of Particulate Matter in Fluid Suspensions; Final Report	V. Vanoni E. Hsu R. Davies, Office of Naval Resr.	1950
*NP-3597	Final Report on Nuclear Research	F. Talbott A. Busala G. Weiffenbach, Catholic U. of America	7/51
*NP-3602	Progress Report; Third Quarterly Report for the Year 1951	Columbia Rad. Lab., Columbia Univ.	9/30/51
*NP-3614	Quarterly Progress Report; Microwave Research; August 1, 1951 - November 1, 1951	W. Gordy, Duke Univ., Dept., of Physics	1952
*NP-3616	The Virial Equation of State	R. Bird E. Spatz Univ. of Wisconsin	1950
*NP-3637	Synthesis of RC Transfer Functions as Unbalanced Two Terminal-Pair Networks	B. Dasher, Mass. Inst. of Tec.	1951
*NP-3650	Working Instruction Manual for Scaling Unit Type 200 and Scaling Unit Type 200A	Atomic Energy Res. Estab., Harwell, Berks (England)	
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