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Radiation Laboratory
Berkeley, California

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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF DECEMBER 1-13, 1955

December 14, 1955

Printed for the U. S. Atomic Energy Commission

LIST OF CODES FOR REPORT NUMBERS

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

ORNL	-Carbide & Carbon Chemicals Co. (ORNL)
ORO	-Oak Ridge Operations Office
PWAC	-Pratt & Whitney Aircraft Division of the United Aircraft Corp.
RFP	-Rocky Flats Plant
RME	-Grand Junction Operations Office
RMO	-Division of Raw Materials
SAN	-San Francisco Operations Office
SC	-Sandia Corporation
SEP	-Sylvania Electric Products, Inc.
SFO	-Santa Fe Operations Office
SRO	-Savannah River Operations Office
SO	-Schenectady Operations Office
TEI(M)	-U. S. Geological Survey Trace Elements Reports
TID	-Technical Information Service
TVA	-Tennessee Valley Authority
UCLA	-University of California Medical Research Laboratory
UCRL	-University of California Radiation Laboratory
UR	-University of Rochester
UWFL	-University of Washington Applied Fisheries Laboratory
WAPD	-Bettis Plant
WASH	-AEC, Washington
WEC	-Westinghouse Electric Company Industrial Atomic Power Group
WIN	-National Lead Co., Inc. Winchester
WT	-Weapon Test Reports
Y	-Carbide and Carbon Chemicals Company (Y-12 Plant)

Many prefixes used for research and development reports cover a number of installations. NP("Non-Project") numbers are assigned by the Technical Information Service at Oak Ridge to those reports which it received from sources not under contract to the Atomic Energy Commission. The UCRL Information Division gives "Misc" numbers to any others received here that do not bear an identifying number. Many reports are grouped together under numbers corresponding to an AEC division or operations office. Some of these are as follows:

CO,COO	-Chicago Operations Office
IDO	-Idaho Operations Office
NYO,NYOO	-New York Operations Office
ORO	-Oak Ridge Operations Office
RMO	-Raw Materials Division
WASH	-Atomic Energy Commission, Washington

In our semimonthly "List of Reports Received" the originating installation will be placed in the author column whenever the report code number does not indicate a specific laboratory, or is obsolete or not given in the list.

Two series of translations are currently received, one sponsored by the AEC (AEC-tr), the other by the National Science Foundation (NSF-tr).

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF DECEMBER 1-13, 1955

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

December 14, 1955

<u>Index Number</u>	<u>Title</u>	<u>Author</u>	<u>Date</u>
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*AECD-3685	Report for Biological Research for June 18, 1951 to September 17, 1951	Same	10-22-51
*AECD-3686	Report for Biological Research for September 17, 1951 to December 17, 1951	Same	1-21-52
*AECU-3072	Aerosol Collection by Wetted Fiberglas Media	J.A.Leary R.A.Clark R.P.Hammond, et al Los Alamos	4-28-54
A.E.R.E. EL/M 92	Preliminary Investigations of Scintillation Counter Techniques for the Measurement of Radio-Activity From the Human Body	F.Wade Gt. Brit. Atomic Energy Research Establishment, Harwell, Berks. England.	6-3-55
A.E.R.E. HP/M 95	Precautions Required for the Handling of Plutonium in Laboratories	H.J.Dunster E.J.Bennellick	6-21-55
*AMRL-200	Theory of Intermittent Radiation Effects on Chemical and Biological Systems. I. Chemical Systems and General Formulation	R.W.Michie L.H.Krohn Army Medical Research Lab., Fort Knox, Ky.	6-10-55
*Microcards			

*AMRL-202	The Theory of Intermittent Radiation Effects on Chemical and Biological Systems. II. Biological Systems.	R.W.Michie L.H.Krohn Army Medical Research Lab.	6-17-55
*AMRL-206	Results and Interpretations of X-Irradiation Studies with <u>Escherichia Coli</u> .	C.R.Goucher I.Kamei W.Kocholaty Same	8-18-55
*AMRL-207	Applications of Intermittent Radiation Theory to Constant Dose Variable Radiation Time Problems in Biological Systems.	R.W.Michie L.H.Krohn Same	7-21-55
*AMRL-209	Special Cuvettes for Spectrophotometric Measurements of Micro-Organisms and Living Tissues	C.W.McKeehan I.C.Graham Same	9-1-55
ANL-5486	Quarterly Report of Biological and Medical Research Division	A.M.Brues	10-55
HW-36760	Spot Diameter Method of Quantitative Autoradiography of RU^{106} Particles in Lung Tissue	N.L.Dockum J.W.Healy	3-15-55
HW-38758	Histopathology of Sheep Thyroid in Chronic Administration of I^{131}	S.Marks N.L.Dockum L.K.Bustad	8-23-55
KAPL-1410	A Method of Measuring the Flux of Intermediate Energy Neutrons	L.H.Weinberg	10-31-55
LA-1717	A Whole Body Gamma Counter for Human Subjects	E.C.Anderson R.L.Schuch J.D.Perrings, et al	9-55
NM 006 012.05.12	Neoplasms in Rats Protected Against Lethal Doses of Irradiation by Parabiosis of Para-Aminoproptiophenone	G.Brecher E.P.Cronkite J.H.Peers Naval Medical Research Inst., Bethesda, Md.	10-20-53
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NYO-3320	Termination Reports Part I. Food Irradiation and Associated Studies	Columbia Univ. 9-15-54
NYO-3345	Studies on Glass Dosimeters; Final Report for the period July 1, 1954 through June 30, 1955	B.E.Proctor 1955 S.A.Goldblith S.Davison Massachusetts Inst. of Tech.Cambridge
NYO-4641	Removal of Radioactivity From Laundry Wastes by Trickling Filters; Final Report	W.E.Dobbins 5-55 G.P.Edwards W.Gulevich
TID-8001	Proposed New Method of Wholesaling Fresh Meat Based on Pasteurization by Gamma Irradiation	L.E.Brownell 11-55 J.V.Hehemias J.J.Bulmer
UCLA-354	Some Modifications and Techniques Applied to the RCA Type EMU Electron Microscope	F.W.Bishop 11-17-55
UCLA-355	Studies of the New Hampshire Chicken Embryo VI. Nitrogen and Lipide Components of Chylomicrons, Total Beta Lipoproteins, Beta ₁ and Beta ₂ Lipoproteins	O.A.Schjeide 11-21-55 Nancy Ragan
UR-305	Analytical and Autoradiographic Methods for Polonium ²¹⁰	F.A.Smith 8-24-55 R.J.Della Rosa L.J.Casarett
UR-414	The Binding of Polonium by Red Cells and Plasma Proteins	R.G.Thomas 10-19-55 J.N.Stannard
USNRDL-TR-64	Efficacy of Hematopoietic Protective Procudrues in Rats X-Irradiated with Intestine Shielded	M.N.Swift 9-13-55 S.T.Taketa V.P.Bond

CHEMISTRY

*A-1262	The Reaction of Hydrogen and Oxygen with Uranium Oxides in Water Suspension	D.M.Gillies 4-17-44 Columbia University
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*ACSIL/Liby-4	A Bibliography of Literature Relating to Barium Titanate	Gt. Brit. 10-51 Admiralty Centre for Scientific Info. and Liaison, London
*AD-59791	Investigation of Colloidal Systems. Technical Report for Year Ending January 31, 1955	H.Strange Penn. Univ.
AECD-3683	A Miniature Pilot Plant for High Level Separations Processes	B.V.Coplan 1954 J.W.Codding Knolls
*AECU-74	An Improved Proton Spectrometer	E.M.Hafner W.F.Donoghue H.S.Snyder Brookhaven
AECU-3058	Studies on the Anodic Polarization of Zirconium	G.B.Adams, Jr. 7-55 M.Maraghini Tien-Shuey Lee, et al Oregon Univ.
A.E.R.E. C/M 256	The Chemistry of Ruthenium (Geneva Conference Paper P/437)	J.M.Fletcher 8-55 F.S.Martin Gt. Brit. Atomic Energy Research Establishment, Harwell, Berks. England
A.E.R.E. C/R 1637	The Determination of Uranium by High-Precision Spectro- photometry	A.Bacon 7-29-55 G.W.C.Milner Same
A.E.R.E. C/R 1700	Electrokinetic Phenomena	D.J.O'Connor 8-5-55 Same
A.E.R.E. CE/M 132	The Calibration of Disc-Type Gas-Absorption Columns	R.F.Taylor 6-1-55 F.Roberts Same
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A.E.R.E. CE/R 1602	The Development of Horizontal Mixer-Settler Equipment for Liquid-Liquid Extraction	F.Roberts 5-55 B.T.Bell Gt. Brit. Atomic Energy Research Establishment, Harwell, Berks. England.
A.E.R.E. HP/M 95	Precautions Required for the Handling of Plutonium in Laboratories	H.J.Dunster 6-21-55 E.J.Bennellick Same
AERE-Lib/Trans-564	Relations Between the Particle Size and Energy Content of Magnesium Oxide . Trans. from Radex Rundschau <u>1951</u>	W.Weissenbach Same
A.E.R.E. M/R 1707	Calculation of Phase Diagrams for Simple Inorganic Salt Systems	J.E.Antill 6-23-55 P.Murray Same
BMI-1047	Corrosion in Borated and Deionized Water at Temperatures Up to 500 F	W.K.Boyd 10-14-55 R.S.Peoples
*BM-RI-5141	Titanium Plant at Boulder City, Nev.: Its Design and Operation	C.T.Baroch 1-55 T.B.Kaczmarek W.D.Barnes., et al Bureau of Mines
*BNL-2041	Polarographic Determination of Zirconium	A.H.A.Heyn 1954
*BNL-2130	Spectrophotometric Titration of Milligram Quantities of Barium	K.Rowley 1954 R.W.Stoenner L.Gordon
*CCC-1024-TR-137	Alkali Hydride Studies	N.F.Murphy 9-13-55 Virginia Polytechnic Inst., Blacksburg
*CCC-1024-TR-139	Study of the System NaCl-KCl-LiCl-AlCl ₃ in the Region of Mole Ratio 1:1:1: (3-6)	W.E.Trout, Jr. 10-3-55 W.J.Triner, Jr. Richmond Va., Univ
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*CCC-1024-TR-140	Preparation and Properties of Borohydrides of the Alkaline Earth Metals	M.D.Taylor 10-6-55 L.R.Grant C.A.Sands, et al Howard Univ., Washington D.C.
*CCC-1024-TR-141	The Explosive Reaction of Diborane in Dry and Water-Saturated Air	H.P.Simons 10-10-55 E.L.Poling West Virginia Univ.
*CCC-1024-TR-142	A Small Graphite Furnace for Temperatures up to 3000°K	J.L.Margrave 10-12-55 R.C.Emmons J.R.Soulen Wisconsin Univ.
*CCC-1024-TR-143	Some Physical Properties of Methyl Borate and Methyl Borate-Methanol Azeotrope	C.F.Boynton 10-17-55 J.F.Masi P.E.Gallagher, et al Callery Chemical Co., Penna.
CRHP-587	Absundance of Cs ¹³⁴ Relative to Cs ¹³⁷ In Uranium of Various Irradiations	E.J.Evans 4-55 W.G.Cross Atomic Energy of Canada Ltd.
JENER-38	The Separation of Plutonium From Uranium and Fission Products with Ion Exchange Columns	T.Sikkeland 10-55 Joint Establishment for Nuclear Energy Research, Kjeller, Norway
K-1243	Reaction Rates on Non-Isothermal Processes. I. A Simple Model for First Order Kinetics	W.Davis Jr. 11-25-55
LA-1950	The Analysis of Lithium Arsenide	E.H.Van Kooten 5-55 A.W.Mosen G.R.Waterbury

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MISC 1955-204	Radiochemical Study of the Fission Products of Bismuth, Thorium, and Uranium Upon Bombardment with 480 Mev Protons, by A.P.Vinogradov, I.P.Alimarin, V.I.Baranov, A.K.Lavrukhina, T.V.Baranova, F.I.Pavlotskaya, A.A.Bragina, I.V.Yakovlev. Translated from Akademiia Nauk, SSSR. Conference on Peaceful Applications of Atomic Energy, July 1-5, 1955, Moscow		
MISC 1955-213	The Theory of Lattice Displacements Produced During Irradiation Technical Report No. 6	F.Seitz J.S.Koehler Illinois Univ.	6-1-55
MIT-SSMT-QPR-18. Oct., 15, 1955	Quarterly Progress Report No. 18	Massachusetts Inst. of Tech.	10-15-55
Monograph 2455	Dislocations in Low-Angle Boundaries in Germanium	F.L.Vogel, Jr. Bell Telephone	5-55
NAA-SR-1395	Polarographic Determination of Biphenyl in Binary Mixtures with the Three Terphenyls and with Meta-Polyphenyl Tetrahydrofuran as Solvent	L.Silverman W.Bradshaw	12-1-55
NAA-SR-1426	Displacement Effects in Impregnated Graphite	A.Andrew	12-1-55
NYO-3313	Polymerization of Ethylene Initiated by Gamma Radiation (Thesis)	J.C.Hayward, Jr. Yale Univ.	6-55
NYO-3918	The Dissociation Pressure and the Nature of Uranium Hydride and the Preparation on Transition Metal Hydrides, Part I. Progress Report	Tufts College	11-17-54
ORNL-1984	Diban-Ion Exchange Waste Disposal Scheme-I	I.R.Higgins R.G.Wymer	11-28-55
RM-1511-AEC	Abstract Compendium on Theoretical Equation of State for Solids	C.P.Nash Rand Corp.	6-30-55
<u>ENGINEERING</u>			
MISC 1955-211 *Microcards	Nuclear Blast Design	D.L.Narver, Jr. Holmes & Narver, Inc.	1955

A.E.R.E. GP/M 182	The Molecular Flow Conductance of a Pipe of Elliptical Cross-Section	A.H.Turnbull 8-4-55 Gt. Brit. Atomic Energy Research Estab. Harwell
MISC 1955-212	High Unit Weight Concretes for Radiation Shielding	D.L.Narver, Jr. 1955 Holmes and Narver, Inc.

METALLURGY AND CERAMICS

*AD-35278	Research on the Effects of Hydrogen, Oxygen Nitrogen and Carbon on the Properties of Welds in Titanium. Quarterly Report No. 2 for the Period December 10, 1953 to April 15, 1954	J.L.Ham 4-21-54 National Research Corp., Cambridge.
*AECD-2103	Bonding of Metals by Adhesives	J.S.Church 5-6-46 S.Feuer Los Alamos
*AECD-3676	The Development of a Melting Method for Conversion of Zirconium Sponge to Corrosion Resistant Ingot.	National Research Corp., Cambridge 5-4-50
*AECU-3075	An Investigation of Scaling of Zirconium at Elevated Temperatures. Quarterly Status Report No. 9 for June 2 1955 to September 2, 1955.	H.M.Green 9-6-55 H.E.Tuchschnid W.M.Baldwin, Jr. Case Inst. of Tech.
ANL-5449	Attack on Materials by Lead at 1000° C	W.D.Wilkinson 10-55 E.W.Hoyt H.V.Rhude
*BM-RI-4826	Zirconium-Titanium System; Constitution Diagram and Properties.	E.T.Hayes 11-51 H.A.Roberson O.G.Paasche Bureau of Mines
*BM-RI-5149	Arc Ingot Conditioning by Sidewall Fusion	F.W.Wood 3-55 J.O.Borg R.A.Beall Bureau of Mines
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*ERI-1993-16-F	Machining Titanium. Final Report.	O.W.Boston R.M.Caddell L.V.Colwell, et al Michigan Univ.	6-55
*ERI-2076-5-P	Intermediate Temperature Creep and Rupture Behavior of Titanium and Titanium Alloys. Quarterly Progress Report No. 8 Covering the Period from March 1, 1955 to May 31, 1955	J.V.Gluck J.W.Freeman Michigan Univ.	5-31-55
HW-38912	The Melting of Small Pieces of Uranium Metal	W.R.DeHollander	9-1-55
HW-38991	An Apparatus for Obtaining the Tensile Properties of Irradiated Materials at Elevated Temperatures	R.E.Hueschen D.C.Kaulitz	9-14-55
HW-39087	Sodium Uranium (IV) Fluoride; Precipitation and Reduction to Metal	W.B.Tolley	9-19-55
KAPL-1446	Evaluation of an Oxide Breeder Fuel Element	W.M.Cashin	11-18-55
ORNL-1990	Final Report on Development and Testing of Nickel-Molybdenum Alloys	F.C.Monkman, Jr. N.J.Grant C.F.Floe	11-28-55
SEP-184	Nondestructive Determination of Grain Size in Metals	N.Grossman	8-55

PHYSICS

AECD-3653	A Comparison of Diffusion Theory and Transport Theory Results for the Penetration of Radiation into Plane Semi-Infinite Slabs	W.D.Barfield Los Alamos	6-54
AECD-3655	The Cross Section of Xe^{15} As a Function of Energy	S.Berstein C.P.Stanford M.M.Shapiro, et al	6-55
*AECU-3073	Photocathode and Reflector Effects on Relative Pulse Height Measurements	F.N.Hayes B.S.Rogers Los Alamos	1954

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*AECU-3074	Electronic Devices for Nuclear Physics. Quarterly Report No. 20 for May 1, 1955 - July 31, 1955	R.H.Anderson 8-23-55 M.H.Greenblatt A.H.Sommer David Sarnoff Research Center, Princeton,N.J.
A.E.R.E. EL/R 1676	The Design of a Transducer for a Voltage Stabilised D.C. Power Unit	F.H.Wells 12-29-54 Gt. Brit. Atomic Energy Research Establishment, Harwell,Berks.England
AERE-Lib/Trans-569	On Spontaneous Fission of Thorium A.V.Podgurskaya, V.I. Kalashnikova, G.A.Stolyarov, E.D.Vorob'ev, and G.N.Flerov. Trans. from Zhurnal Eksperimental 'noi i Teoreticheskoi Fiziki <u>28</u>	Same
A.E.R.E. RP/R 1549	Some Effects of the Self-Absorption of β -Rays and Neutrons in Neutron Detecting Foils	M.W.Thompson 7-54 Same
A.E.R.E. T/N 128	Focusing in the Proton Linear Accelerator. II.	M.Bell 7-55 Same
BRL-TN-1033	"Simdec" Simple Instructional Magnetic Decision Element Computer	D.A.Peterson 8-55 Ballistic Research Labs.,Aberdeen,Md.
*CRT-609	Transformation Coefficients Between LS and jj Coupling	J.M.Kennedy 8-55 M.J.Cliff Atomic Energy of Canada Ltd. Chalk River Project,
HW-29748	Diffusion Length Measurements in the $7\frac{1}{2}$ " Lattice Pile	C.R.Richey 10-26-53
IDO-16244	Neutron Lifetime by the Rumsey Method	J.W.Webster 9-30-55
ISC-555	Assignment of Transition Multipole Orders from L Subshell Internal Conversion Coefficient Ratios	H.F.Frissel 12-54 E.N.Jensen
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LA-1938	Paraffin Cylinders to Measure Neutron Energies	D.S.Young	7-55
Monograph 2456	An Improved Detached-Contact-Type of Schematic Circuit Drawing	F.T.Meyer Bell Telephone	9-55
Monograph 2474	Frequency Aging of High-Frequency Plated Crystal Units	A.W.Warner Same	7-55
Monograph 2475	Nonsaturating Pulse Circuits Using Two Junction Transistors	J.G.Linvill Same	7-55
NAA-SR-1137 Part I	Absolute Thermal Neutron Determination Part II Measuring the Ratio of Thermal to Resonance Neutron Densities Using Thick Indium Foils	M.A.Greenfield R.L.Koontz A.A.Jarrett	12-1-55
NRL-4640	Differential Elastic Scattering of 14-Mev Neutrons in Bismuth, Tantalum, Indium, Iron, and Sulfur	J.O.Elliott	10-28-55
NYO-7135	Spin-Orbit Matrices for the Nuclear p-Shell	M.E.Mandl Rochester Univ.	10-17-55
NYO-7452	A Search for Double Beta-Decay in Ca-48 And Zr-96	M.Awschalom Same	9-13-55
NYO-7453	Number of Feynman Graphs and Convergence	E.R.Caianiello Same	9-14-55
NYO-7454	Elastic Scattering of 5.25 Mev Protons From Co, Ni, Cu and Zn	D.A.Bromley Y.Hasimoto N.S.Wall	9-20-55
NYO-7455	A Recoil-Coincidence Method for Producing Mono-Energetic d-d Neutrons	W.Franzen P.Huber L.Schellenberg	9-23-55
NYO-7456	The Nature of the Neutral Particles in the $K_{\beta 3}$ Decay	G.Yekutieli M.F.Kaplon T.F.Hoang Rochester Univ.	10-17-55

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NYO-7457	A Nucleon-Nucleon Potential with Relativistic Cut-Off	H.P.Noyes S.P.Pandya Rochester	11-11-55
NYO-7458	The Preparation of Thin Light-Tight Windows for Scintillation Counters	W.Franzen L.Schellenberg Rochester	11-11-55
WADC-TR-54-238	Instruments for Magnetic High Frequency Measurements	P.H.Haas R.D.Harrington R.C.Powell., et al Wright Air Dev. Center	6-54
*BNL-1996	The Nuclear Reactor with a Transverse Air Gap	J.Chernick I.Kaplan	8-24-54
*CCC-1024-TR-136	Studies of Fluidity in the Sodium-Sodium Hydride System	J.E.Lastovica N.F.Murphy Virginia Polytechnic Inst.	9-8-55
HW-33434 Rev.	Heat Transfer Analysis of Internally-Externally Cooled Cylindrical Fuel Elements for Nuclear Reactors	F.E.Tippets	10-15-54

MISCELLANEOUS

*A-1113	A Simple Globar Heating Arrangement	E.Creutz Chicago Univ.	7-22-43
*AD-37256	The Use of Foil Gages to Measure Large Strains Under High Fluid Pressures. Technical Report No. 1 on Investigation of the Behavior of Overstrained Thick-Walled Cylinders	M.C.Steele L.C.Eichberger Illinois Univ.	7-54
AECL-254	Address to the Annual Meeting of the National Industrial Conference Board	W.J.Bennett Chalk River	10-27-55
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NACA-Abstract
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Research Abstracts No. 93

National 11-30-55
Advisory Committee
for Aeronautics

TID-5215

Magnets and Magnetic Measuring Techniques
Declassified Version NNES-1-2

R.K.Wakerling 6-49
A.Guthrie
Calif. Univ.
Berkeley

LIST OF TRANSLATIONS ISSUED BY THE UCRL INFORMATION DIVISION

- UCRL-Translation-251 Minimum Allowable Vapor Velocity for Perforated-Plate Column, by Saburo Kamei, Takeichiro Takamatsu, Kozo Goto and Atsushi Kometani. Trans. from Chemical Engineering (Japan) 18,
- UCRL-Translation-252 Magnetic Spectrograph with Pre-Acceleration For Low Energy Electron Study, by Salomon Rosenblum, Jose Sant'Ana Dionisio and Manuel Valadares. Trans. of a manuscript to be published in the Journal de Physique et le Radium in October, 1955.

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- UCRL-3094 An Electrostatic Beta-Ray Spectrometer with a Double Retarding Field H.R. Johnston 10-26-55
- UCRL-3131 Vapor-Liquid Equilibria in the System Hydrogen-Nitrogen A.Maimoni 9-1-55
- UCRL-3141 The Effect of Certain Lipid Material on the Ultracentrifugal Properties of Serum and Egg Lipoproteins T.L.Hayes J.E.Hewitt 9-19-55
- UCRL-3150 Radiofrequency Power Losses Compared for Four Linear Accelerator Configurations R.A.Weir 9-30-55
- UCRL-3157 Chemistry Division Quarterly Report June, July, August 1955 9-30-55
- UCRL-3174 Elastic and Inelastic Scattering of 4.8-Mev Alpha Particles by Carbon and Magnesium F.J.Vaughn 10-21-55

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UCRL-3178	Revision of the Fundamental Constants	L.Brewer K.S.Pitzer	10-55
UCRL-3179	Casting Astrolite Cylinders	L.Oswald	10-28-55
UCRL-3187	Studies with a Three-Dee Three-Phase Proton Cyclotron	M.Heusinkveld M.Jakobson L.Ruby B.H.Smith B.T.Wright	11-7-55
UCRL-3219	Mass Assignment of the 44-Minute Californium-245 and the new Isotope Californium-244	A.Chatham-Strode, Jr. G.R.Choppin B.G.Harvey	10-26-55
UCRL-3221	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of November 16-30, 1955		12-6-55
UCRL-3225	Selection Rules for Decays - Lecture 1	C.Goebel	12-6-55
UCRL-3229	Selection Rules for Decays. Lecture 2	C.Goebel	12-13-55