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Series 'B'

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I ADMINISTRATIVE - GENERAL

ANL-4189	ADDITIONS TO THE LIBRARY; REPORT FOR THE PERIOD AUGUST 15-31, 1948. H. D. Young (Argonne)	Secret
NYDO-34	TECHNICAL REPORTS RECEIVED AT THE OFFICE OF NEW YORK DIRECTED OPERATIONS FOR THE PERIOD AUGUST 1-15, 1948. (AEC-NYDO)	8/16/48 Secret
TID-26	UNITED STATES ATOMIC ENERGY COMMISSION RESEARCH AND DEVELOPMENT REPORTS. (AEC - ORDO)	8/30/48 Secret
Y-224	REPORTS RECEIVED AUGUST 16 TO AUGUST 23, 1948. G. Rudolph (C & CCC, Y-12)	8/24/48 Secret
Y-225	REPORTS RECEIVED AUGUST 23 TO AUGUST 30, 1948. G. Rudolph (C & CCC, Y-12)	8/30/48 Secret

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II CHEMISTRY - GENERAL

ANL-4181	PREPARATION OF UO_3 . I. Sheft S. Fried (Argonne)	7/13/48 Secret
ORNL-100	COMPARISON OF POLAROGRAPHIC CURVES OBTAINED WITH A ROTATED MICRO-ELECTRODE AND A STATIONARY ELECTRODE. H. H. Miller L. B. Rogers (Oak Ridge)	7/15/48 Unclassified

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IV CHEMISTRY - SEPARATIONS PROCESSES FOR PLUTONIUM

HDC-372

BASIS FOR LIQUID PROCESS WASTE DISPOSAL DESIGN; REDOX
PROCESS STUDY NO. PP-3; PRODUCTION PLANT DESIGN.
J. M. Frame (Hanford)

4/28/48
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V CHEMISTRY - SEPARATIONS PROCESSES FOR URANIUM

KLX-16

PRELIMINARY DESIGN REPORT: SOLVENT EXTRACTION SYSTEM,
METALS RECOVERY PLANT. JOB 11.
G. White, Jr. (Kellex)

8/31/48
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VI CHEMISTRY - TRANSURANIC ELEMENTS

CC-3882

THE PREPARATION AND PROPERTIES OF PLUTONIUM OXIDES.
E. F. Westrum, Jr. (Metallurgical Laboratory)

7/27/48
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VII HEALTH AND BIOLOGY - GENERAL

HRAC-56	EXTERNAL RADIATION HAZARDS FROM β AND γ EMITTERS IN THE ATMOSPHERE. W. B. Lewis (Chalk River)	1/26/48 Unclassified
WRU-8	MONTHLY PROGRESS REPORT FOR JULY 1948. H. L. Friedell (Western Reserve)	9/3/48 Confidential

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IX ISOTOPE SEPARATION

XAC-R-1670

THE THEORY OF ISOTOPE SEPARATION AS APPLIED TO THE LARGE
SCALE PRODUCTION OF U^{235} .
K. Cohen (Columbia University)

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X METALLURGY AND CERAMICS

NAA-SR-1	STUDIES ON NUCLEAR REACTORS. 1. HIGH TEMPERATURE CHEMICAL BEHAVIOR OF REACTOR MATERIALS. H. Perlman (North American Aviation)	12/1/47
NEPA-681	RESTRICTED PROGRESS REPORT NO. 3. R. L. Dowdell (NEPA)	7/15/48 Restricted

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XI PHYSICS - GENERAL

BNL-C-2	CONFERENCE ON NUCLEAR SPINS AND MAGNETIC MOMENTS. (Brookhaven)	8/19/47 Unclassified
CRT-359	ON THE ANALYSIS OF FILTERED SWING MEASUREMENTS. V. H. Rumsey (Chalk River)	4/48 Secret
CRT-372	ON THE ANALYSIS OF EXPERIMENTS INVOLVING THE KINETICS OF PILES WITH REFLECTORS. V. H. Rumsey (Chalk River)	4/48 Secret
NAA-SR-17	THERMAL STRESS IN POWER-PRODUCING ELEMENTS. A. S. Thompson (North American Aviation)	3/1/48 Unclassified
UCRL-122	HEAT TRANSFER IN STABLE FILM BOILING. L. A. Bromley (Berkeley)	6/2/48 Restricted
UCRL-160	EVIDENCE FOR A (p,d) REACTION IN CARBON. W. K. H. Panofsky R. Phillips (Berkeley)	7/21/48 Restricted
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CUD-1	PRELIMINARY REPORT ON VELOCITY SPECTROMETER MEASUREMENTS OF ENRICHED URANIUM. W. W. Havens, Jr. L. J. Rainwater J. R. Dunning C. S. Wu (Columbia University)	12/4/47 Secret
NAA-SR-6	STUDIES ON NUCLEAR REACTORS; 6: POWER DEVELOPED BY DECAY OF FISSION FRAGMENTS. M. A. Greenfield (North American Aviation)	11/1/47 Secret
ORNL-123	BINDING ENERGIES OF HEAVY ELEMENTS. K. Way (Oak Ridge)	8/13/48 Secret

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XIII PHYSICS - INSTRUMENTATION

BNL-T-1	HIGH ENERGY ACCELERATOR DESIGN. M. S. Livingston (Brookhaven)	1/15/48 Unclassified
BNL-T-2	A 5 TO 95 MC. BANDWIDTH AMPLIFIER. A. Pressman (Brookhaven)	4/48 Unclassified
K-227	MECHANICAL REFRIGERATION OF THE ALL METAL LINE RECORDER TUBE RACK. V. H. Kiplinger (C & CCC, K-25)	6/18/48 Confidential
MLM-148	OPERATIONS MANUAL FOR A PARALLEL PLATE ALPHA COUNTER. R. A. Miller (Mound Laboratory)	7/15/48 Restricted
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XV REACTORS

ANL-4177	THE VOLATILIZATION OF BERYLLIA IN WATER VAPOR. M. G. Berkman S. L. Simon (Argonne)	7/15/48
CF-47-11-13	FACILITIES FOR INVESTIGATION OF POWER PILE MATERIALS IN THE HIGH FLUX PILE. J. R. Dietrich (Oak Ridge)	10/27/47 Secret
D. R. 7	NOTE ON NEUTRON FLUX IN URANIUM METAL IN N.R.X. PILE. B. Pontecorvo H. H. Clayton W. B. Lewis (Chalk River)	7/48 Secret
NAA-SR-7	STUDIES ON NUCLEAR REACTORS; 7. POWER PLANT FOR TESTING HIGH-TEMPERATURE REACTORS. A. S. Thompson (North American Aviation)	11/1/47 Secret
NAA-SR-8	STUDIES ON NUCLEAR REACTORS; 8. ELEMENTARY THEORY OF HOMOGENEOUS EPITHERMAL NUCLEAR REACTORS. C. Starr (North American Aviation)	3/1/48 Secret
NAA-SR-9	STUDIES ON NUCLEAR REACTORS; 9. TEMPERATURE STABILITY OF AN EPITHERMAL REACTOR. M. A. Greenfield (North American Aviation)	3/1/48 Secret
NAA-SR-11	STUDIES ON NUCLEAR REACTORS; 11. EFFECT OF HEAT TRANSFER REQUIREMENTS ON REACTOR DESIGN. A. S. Thompson (North American Aviation)	6/11/48 Secret
ORNL-71	THE FAST DILUTE REACTOR; AN INTERIM PROGRESS REPORT. J. R. Menke (Oak Ridge)	8/23/48 Secret
ORNL-113	THERMAL STABILITY OF MULTIPLATE ASSEMBLIES. W. B. Allred G. Ascoli H. C. Savage (Oak Ridge)	7/48 Secret

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XVII TECHNOLOGY - HANFORD

HW-10769	TECHNICAL PROGRESS LETTER NO. 215; AUGUST 8 THROUGH AUGUST 14. C. W. J. Wende O. H. Greager T. W. Hauff (Hanford)	8/19/48 Secret
HW-10817	DIMENSIONAL STABILITY OF SLUGS AT PILE TEMPERATURE. R. D. McGreal (Hanford)	8/25/48 Secret
HW-10818	TECHNICAL PROGRESS LETTER NO. 216; AUGUST 15 THROUGH AUGUST 21. C. W. J. Wende O. H. Greager T. W. Hauff (Hanford)	8/26/48 Secret

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XVIII TECHNOLOGY - K-25

A-1963	FLOW AND SEPARATION PROPERTIES OF BARRIERS; PROGRESS REPORT NO. 10. I. Roberts (Kellex)	6/1/44 Secret
K-264	K-304-2 PSI TEST. S. S. Stief (C & CCC, K-25)	8/19/48 Secret

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XX TECHNOLOGY - URANIUM

MIT-1004 TECHNICAL PROGRESS REPORT FOR THE PERIOD FEBRUARY
THROUGH APRIL 1948.
A. R. Kaufmann (MIT)

5/24/48
Secret

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XXII TECHNOLOGY - Y-12

RL-28.5.72 SUMMARY RESEARCH PROGRESS MEETING; SEPTEMBER 8, 1945.
A. Guthrie (Berkeley)

9/8/45
Secret

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NON-PROJECT REPORTS

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NP-88	QUARTERLY PROJECT SUMMARY. W. H. Leahy (ONR)	10/1/47 Confidential
NP-131	TEST PROCEDURES FOR CERAMIC MATERIALS FOR APPLICATION TO AIRCRAFT POWER PLANTS: THE TENSILE TEST. (Air Material Command)	1/48 Unclassified
NP-132	CERAMIC COATINGS FOR AIRCRAFT POWER SYSTEMS. J. M. Neff (Armour Research Foundation - USAF)	1/1/48 Unclassified
NP-137	QUARTERLY PROGRESS REPORT FOR OCTOBER-DECEMBER 1947. J. A. Stratton A. G. Hill J. B. Wiesner (MIT - Signal Corps)	1/15/48 Unclassified
NP-138	MECHANICAL PROPERTIES OF ALKALI-HALIDE CRYSTALS (NaCl, KBr, KCl). J. K. Galt (MIT - Signal Corps)	9/17/47 Unclassified
NP-140	RESUME OF CYCLOTRON PROJECT. T. Moreno (MIT - Signal Corps)	10/30/47 Unclassified
NP-143	THE EFFECT OF SMELTING TIME ON THE PROPERTIES OF A REFRACTORY BASE COAT. J. E. Comeforo (University of Illinois - USAF)	11/12/47 Unclassified
NP-144	REQUIREMENTS FOR CERAMIC MATERIALS FOR APPLICATION TO AIRCRAFT POWER PLANTS. (Air Material Command)	12/1/47 Unclassified
NP-145	RESEARCH ACTIVITIES OF PROFESSOR MOKICHIRO NOGAMI. S. C. Williams (U. S. Army, Far East Command)	10/25/47 Unclassified

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NP-146	BETATRON DEVELOPMENT IN GERMANY. M. J. Gross (FIAT)	11/28/45 Unclassified
NP-147	THE BERYLLIUM INDUSTRIES OF GERMANY AND ITALY (1939 TO 1945) H. A. Söoman C. B. Sawyer (FIAT)	2/25/46 Unclassified
NP-148	GERMAN BETATRONS. A. T. Starr K. J. R. Wilkinson J. D. Craggs L. W. Mussell (BIOS)	10/16/45 Unclassified
NP-150	THE PROBLEM OF FUNGAL GROWTH ON SYNTHETIC RESINS, PLASTICS AND PLASTICIZERS. A. E. Brown (OSRD)	10/45 Restricted
NP-154	FINAL REPORT ON THE M.I.T. PROJECT IN HIGH VOLTAGE RADIOGRAPHY. VOLUME 4. PRODUCTION, ABSORPTION, AND SCATTERING OF HIGH VOLTAGE X-RAYS. (MIT - OSRD)	6/1/45 Declassified
NP-156	ROCKETS AND OTHER THERMAL JETS USING NUCLEAR ENERGY; WITH A GENERAL DISCUSSION OF THE USE OF POROUS PILE MATERIALS. SEMINARS LIV AND LV. NUCLEAR SCIENCE AND ENGINEERING. H. R sien (MIT)	5/47 Unclassified
NP-159	THE SHIELDING OF NUCLEAR REACTORS. SEMINARS XL AND XLI. NUCLEAR SCIENCE AND ENGINEERING. M. L. Goldberger (MIT)	3/47 Unclassified
NP-160	THE CONCEPT OF ALBEDO IN ELEMENTARY DIFFUSION THEORY. SEMINAR XXXIX. NUCLEAR SCIENCE AND ENGINEERING. G. Płaczek (MIT)	3/13/47 Unclassified
NP-161	VACUUM TECHNIQUES IN NUCLEAR ENGINEERING. SEMINAR XLVIII. NUCLEAR SCIENCE AND ENGINEERING. F. C. Armistead (MIT)	4/15/47 Unclassified
NP-162	ISOTOPE SEPARATION. SEMINARS XXXVI AND XXVII. NUCLEAR SCIENCE AND ENGINEERING. K. Cohen (MIT)	3/47 Unclassified

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NP-163 SOURCE MATERIALS FOR NUCLEAR POWER. SEMINAR XLIV. 4/1/47
NUCLEAR SCIENCE AND ENGINEERING. Unclassified
R. D. Parks (MIT)

NP-164 REVIEWS OF UNCLASSIFIED LITERATURE. APPENDIX D. NUCLEAR
SCIENCE AND ENGINEERING. Unclassified
A. J. Stevens
G. Feick
J. H. Pomeroy
K. Boyer
C. W. Tittle (MIT)

NP-186 INVESTIGATION OF RARE EARTH PROBLEMS; QUARTERLY PROGRESS
REPORT NO. 7, DECEMBER 1, 1947 - MARCH 1, 1948. Unclassified
(University of Illinois - ONR)

NP-193 A STUDY OF THE RECRYSTALLIZATION OF BERYLLIUM OXIDE AT 9/15/47
2000°C. Restricted
P. Duwez
F. Odell (California Institute of Technology - Ordnance Department.)

NP-194 SURVEY OF LITERATURE ON THE METALLURGY OF ZIRCONIUM; 2/46
INFORMATION CIRCULAR. Unclassified
W. J. Kroll
A. W. Schlechten (Bureau of Mines)

NP-195 METALLIC TITANIUM AND ITS ALLOYS; INFORMATION CIRCULAR. 11/46
R. S. Dean Unclassified
B. Silkes (Bureau of Mines)

NP-197 REFRACTORY OXIDES AS MATERIALS OF CONSTRUCTION FOR 11/15/47
ROCKET MOTORS; OCTOBER 15, 1947 - NOVEMBER 15, 1947. Unclassified
J. A. Slyh
H. Z. Schofield
C. R. Austin (Battelle - USAF)

NP-198 CHEMISTRY OF GALLIUM; PROGRESS REPORT, DECEMBER 1, 1947 -
FEBRUARY 1, 1948. Unclassified
W. C. Johnson (University of Chicago - ONR)

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NP-199	CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; PART 1. BUREAU OF STANDARDS BODY 4811C COMPARISON OF TENSILE TO CROSS-BENDING STRENGTH; PART 2. CROSS-BENDING STRENGTH OF HOT-PRESSED BERYLLIA. A. P. Welch (Ohio State - USAF)	1/15/48 Unclassified
NP-200	CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; PROGRESS REPORT ON HIGH TEMPERATURE ENAMELS. R. M. King L. L. Moss (Ohio State - USAF)	1/20/48 Unclassified
NP-201	CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; A TENSILE TEST MACHINE FOR BRITTLE MATERIAL. H. R. Lowers (Ohio State - USAF)	12/26/47 Unclassified
NP-202	REFRACTORY INSULATING COATINGS FOR METALS. QUARTERLY REPORT NO. 5. OCTOBER 1, 1947 - JANUARY 1, 1948. L. D. Hower, Jr. H. F. G. Ueltz F. K. Davey (Rutgers University - USAF)	Unclassified
NP-203	CERAMIC MATERIALS OF CONSTRUCTION FOR ROCKET MOTORS; QUARTERLY REPORT; AUGUST 15, 1947 - NOVEMBER 15, 1947. J. A. Slyh H. Z. Schofield C. R. Austin (Battelle - USAF)	11/15/47 Unclassified
NP-205	MONTHLY RESEARCH REPORT. W. H. Leahy (ONR)	4/1/48 Confidential
NP-208	ELEMENTAL FLUORINE; I.G. FARBENINDUSTRIE - LEVERKUSEN. E. H. Karr (FIAT)	6/15/46 Unclassified
NP-210	SOME FUNDAMENTAL CONSIDERATIONS CONCERNING NOISE REDUCTION AND RANGE IN RADAR AND COMMUNICATIONS. S. Goldman (MIT - Signal Corps)	12/15/47 Unclassified
NP-215	FUNDAMENTAL STUDIES OF CERAMIC MATERIALS; SUMMARY REPORT; OCTOBER 1947. J. F. Lynch H. Z. Schofield C. R. Austin (Battelle - ONR)	2/16/48 Unclassified

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NP-216 INVESTIGATION OF THE FUNDAMENTAL FACTORS PROMOTING HIGH- 3/8/48
TEMPERATURE STRENGTH OF ALLOYS; SUMMARY REPORT; Unclassified
NOVEMBER 1947.
E. R. Elsea
A. B. Westerman
C. K. Manning (Battelle - ONR)

NP-218 CHROMIUM-BASE ALLOYS; SUMMARY REPORT; DECEMBER 1947. 2/5/48
W. L. Hawekotte Unclassified
C. T. Greenidge
C. H. Lorig (Battelle - ONR)

NP-219 ENGINEERING PROPERTIES OF HEAT-RESISTING ALLOYS; 1/23/48
SUMMARY REPORT; NOVEMBER 1947. Unclassified
W. F. Simmons
C. W. Andrews
H. C. Cross (Battelle - ONR)

NP-222 THE COUNTING OF HIGH ENERGY PARTICLES AND QUANTA BY
PHOTOELECTRIC DETECTION OF INDIVIDUAL LIGHT PHENOMENA
IN FLUORESCENT MATERIALS. SUPPLEMENT TO TECHNICAL
REPORT NO. 3. Unclassified
H. Kallman (Kaiser Wilhelm Institute for Physical Chemistry)

NP-224 STUDY OF THE PHYSICAL CHANGES TAKING PLACE ON THE CYCLIC 2/27/48
HEATING AND COOLING OF SEVERAL ZIRCON BODIES. Unclassified
E. Miller
M. Tuttle
D. G. Bennett (University of Illinois - USAF)

NP-225 CERAMIC MATERIALS OF CONSTRUCTION FOR ROCKET MOTORS; 2/15/48
QUARTERLY REPORT; NOVEMBER 15, 1947 - FEBRUARY 15, 1948. Unclassified
J. A. Slyh
H. Z. Schofield
C. R. Austin (Battelle - USAF)

NP-226 CERAMIC COATINGS FOR AIRCRAFT POWER SYSTEMS; SUMMARY 4/1/48
REPORT APRIL 1, 1947 - MARCH 31, 1948. Unclassified
J. M. Neff (Armour Research Foundation - USAF)

NP-227 MONTHLY RESEARCH REPORT. 5/1/48
W. H. Leahy (ONR) Confidential

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- NP-230 MONTHLY RESEARCH REPORT. 6/1/48
 W. H. Leahy (ONR) Confidential
- NP-231 BIBLIOGRAPHY ON TITANIUM; ITS PRODUCTION, PROPERTIES, 8/14/47
 AND USES; 1900-1946. Unclassified
 C. S. Dumont (Battelle)
- NP-232 RADIOACTIVE MANGANESE, IRON, COBALT, COPPER, ZINC, AND 2/24/48
 STRONTIUM: A SELECTED BIBLIOGRAPHY OF RECENT LITERA- Unclassified
 TURE WITH SPECIAL REFERENCE TO BIOLOGICAL AND MEDICAL
 APPLICATIONS.
 M. C. Leikind
 M. H. Eller (Library of Congress - ONR)
- NP-233 HANDBOOK OF RADIOACTIVITY AND TRACER METHODOLOGY. 2/13/48
 W. Sirl et al (Berkeley - USAF) Unclassified
- NP-235 LINEAR ELECTRON ACCELERATOR PROJECT. 5/22/48
 W. W. Hansen (Stanford University - ONR) Unclassified
- NP-236 PRECISION WAVE-LENGTH AND ENERGY MEASUREMENT OF GAMMA RAYS 3/30/48
 FROM Au-198 WITH A FOCUSING QUARTZ CRYSTAL SPECTROMETER. Unclassified
 J. W. M. DuMond (California Institute of Technology)
- NP-237 PRESENCE OF 0,208 MEV GAMMA RAY LINES IN A SAMPLE OF THE 4/2/48
 RADIOISOTOPE Au-198. Unclassified
 J. W. M. DuMond (California Institute of Technology)
- NP-239 CALCULATED CONDENSER PERFORMANCE FOR A STEAM-TURBINE 5/20/48
 POWER PLANT FOR AIRCRAFT. Confidential
 L. V. Humble
 R. B. Doyle (NACA)
- NP-240 A METALLURGICAL INVESTIGATION OF FIVE FORGED GAS-TURBINE 6/48
 DISCS OF TIMKEN ALLOY. Unclassified
 J. W. Freeman
 E. E. Reynolds
 A. E. White (NACA)
- NP-241 DETERMINATION OF STRESSES IN GAS-TURBINE DISKS SUBJECTED 6/48
 TO PLASTIC FLOW AND CREEP. Unclassified
 M. B. Millenson
 S. S. Manson (NACA)

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NP-242	RESEARCH PROGRAM WITH THE CHICAGO CYCLOTRON; PROGRESS REPORT; JULY 1, 1946 - MARCH 15, 1947. G. K. Groetzinger J. Marshall N. Sugarman H. L. Anderson (University of Chicago, - ONR)	Unclassified
NP-243	THE PRINCIPLES OF CRYSTAL RECTIFIERS. F. Seitz S. Pasternack (University of Pennsylvania - OSRD)	6/10/42 Unclassified
NP-244	IONIZATION OF DONATOR LEVELS IN CRYSTAL RECTIFIERS BY THERMAL AGITATION. A. W. Lawson P. H. Miller L. I. Schiff W. E. Stephens (University of Pennsylvania - OSRD)	7/7/43 Unclassified
NP-245	PREPARATION OF HIGH BACK VOLTAGE GERMANIUM RECTIFIERS; FINAL REPORT. J. H. Scaff H. C. Theuerer (Bell Telephone Laboratories - OSRD)	10/24/45
NP-247	HEAT TREATMENT OF GERMANIUM RECTIFIER MATERIALS. INTERIM REPORT NO. 4. H. C. Theuerer J. H. Scaff (Bell Telephone Laboratories - OSRD)	8/3/45 Declassified
NP-248	THE ELECTRICAL CONDUCTIVITY OF SILICON AND GERMANIUM. F. Seitz (University of Pennsylvania - OSRD)	11/3/42 Unclassified
NP-249	COMPOUNDS OF SILICON AND GERMANIUM. F. Seitz (University of Pennsylvania - OSRD)	6/42 Unclassified
NP-250	REFRACTORIES IN TURBINE BLADES PLUS MISCELLANEOUS APPLICATIONS. S. S. Kistler (CIOS)	Unclassified
NP-252	RHENIUM. F. R. Hensel (FIAT)	2/5/46 Unclassified

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NP-253	THE PRODUCTION OF SOME RARE METALS AND THEIR COMPOUNDS AS PRACTICED BY E. MERCK CHEMISCHE FABRIC, DARMSTADT. J. S. Smatko (FIAT)	2/21/46 Unclassified
NP-254	RARE AND MINOR METALS. P. M. Tyler (FIAT)	3/1/46 Unclassified
NP-256	THE PRODUCTION OF ZIRCONIUM OXIDE. M. H. McAllister (FIAT)	1/31/47 Unclassified
NP-257	HIGH TEMPERATURE CERAMICS IN SOUTH GERMANY. N. H. G. Daniels R. L. Bickerdike (BIOS)	Restricted
NP-258	THE CERIUM INDUSTRY IN GERMAN TERRITORY; INCLUDING REPORTS ON RADIUM AND MESOTHORIUM. R. Singer H. E. Airey L. C. Grimmett H. R. Leech B. Bennett (BIOS)	Unclassified
NP-263	PREPARATION AND PROPERTIES OF GALLIUM LACTATE. H. C. Dudley R. F. Garzoli (Naval Medical Research Institute)	5/24/48 Unclassified
NP-264	THE FLOW OF A COMPRESSIBLE FLUID PAST A CIRCULAR ARC PROFILE. C. Kaplan (NACA)	1944 Unclassified
NP-265	SUPPLEMENT TO UNITED STATES NAVAL MEDICAL BULLETIN. L. H. Roddis (Navy Department, Bureau of Medicine and Surgery)	4/48 Unclassified
NP-266	THE PROPERTIES OF ZIRCONIUM. R. I. Jaffee I. E. Campbell (Battelle)	6/18/47 Unclassified
NP-268	LEAK DETECTOR; PRELIMINARY INSTRUCTIONS. (General Electric)	1/15/44

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NON-PROJECT REPORTS (CONT'D)

NP-269	INVESTIGATION ON THE VALIDITY OF AN IDEAL THEORY OF ELASTO-PLASTICITY FOR WROUGHT ALUMINUM ALLOYS. E. G. Thomsen I. Cornet I. Lotze J. E. Dorn (NACA)	7/48 Unclassified
NP-270	A STUDY OF CERAMIC COATINGS FOR HIGH-TEMPERATURE PROTECTION OF MOLYBDENUM. D. G. Moore L. H. Bolz W. N. Harrison (NACA)	7/48 Unclassified
NP-271	TITANIUM AND TITANIUM-BASE ALLOYS. (Battelle)	4/2/48 Restricted
NP-272	AN AUTOMATIC RECORDING SPECTROPHOTOMETER. T. Coor D. C. Smith (Naval Research Laboratory)	5/28/46 Unclassified
NP-273	INVESTIGATIONS OF RARE EARTH PROBLEMS; QUARTERLY PROGRESS REPORT NO. 8; MARCH 1 - JUNE 1, 1948. (University of Illinois - ONR)	Unclassified
NP-276	OBSERVATIONS ON THE RARE EARTHS: ION EXCHANGE STUDIES ON THORIUM-RARE EARTH MIXTURES. T. Moeller A. R. Matheson (University of Illinois - ONR)	5/20/48 Unclassified
NP-277	CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; PROGRESS REPORT. A. R. Blackburn (Ohio State - USAF)	8/1/48 Unclassified
NP-278	CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; THE EFFECT OF SINTERING CONDITIONS ON THE PHYSICAL PROPERTIES OF "CERMET" BODIES CONTAINING CHROMIUM AND ALUMINA. A. R. Blackburn (Ohio State - USAF)	12/20/47 Unclassified
NP-279	CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; PART 1. AN APPARATUS FOR THE HYDROSTATIC PRESSING OF CERMET COMPOSITIONS. PART 2. PRELIMINARY HYDROSTATIC PRESSING STUDY. H. R. Lowers A. R. Blackburn (Ohio State - USAF)	3/22/48 Unclassified

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- NP-280 CERAMIC COATINGS AND CERAMIC BODIES FOR AIRCRAFT POWER SYSTEMS. 2/10/48
D. G. Bennett (University of Illinois - USAF) Unclassified

- NP-332 STATISTICAL ANALYSIS OF THE EXPERIMENTS ON THE INFLUENCE OF RADIOACTIVE MATERIAL ON THE GROWTH OF CROPS CONDUCTED IN THE U.S.A. IN THE YEARS 1944 TO 1946. Unclassified
F. Modigliani (Canadian Radium and Uranium Corporation)

- NP-334 ANNUAL REPORT. 6/30/48
W. E. Stephens (University of Pennsylvania - ONR) Unclassified

- NP-335 X-RAY DIFFRACTION INVESTIGATION OF MINOR PHASES OF 20 HIGH TEMPERATURE ALLOYS. 7/48
B. M. Rosenbaum (NACA) Unclassified

- NP-336 THE FLUORSPAR INDUSTRY IN GERMANY; MINES AND TREATMENT PLANTS IN THE NABBURG AND REGENSBURG DISTRICTS, UPPER PALATINATE (BAVARIA). Unclassified
E. Koenigsfeld
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- NP-338 LOCKING PHENOMENA IN MICROWAVE OSCILLATORS. 4/8/48
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- NP-339 BREAKDOWN OF GAS AT MICROWAVE FREQUENCIES. 5/3/48
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- NP-343 BIOPHYSICS WITH SPECIAL REFERENCE OF ELECTROBIOLOGY. 5/13/47
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- NP-344 LITHIUM EXTRACTION AND USES. 10/3/45
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W. H. Hamill
A. Davis (University of Notre Dame - ONR)

NP-350 GALLIUM CHEMISTRY; BIMONTHLY REPORT NO. 7; JUNE 1, 1948 -
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NP-352 CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET 6/15/48
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A. R. Blackburn (Ohio State - USAF)

NP-353 QUARTERLY PROJECT SUMMARY. 4/1/48
W. H. Leahy (ONR) Restricted

NP-354 FILM HEAT TRANSFER COEFFICIENTS FOR LIQUID POTASSIUM- 6/24/48
SODIUM ALLOYS. PRELIMINARY REPORT NO. 4, SUPPLEMENT Confidential
NO. 2.
R. C. Werner
E. C. King (Mine Safety Appliances Company - ONR)

NP-355 CORROSION OF CERTAIN METALS BY POTASSIUM-SODIUM. 6/24/48
PRELIMINARY REPORT NO. 5, SUPPLEMENT NO. 1. Confidential
L. F. Little (Mine Safety Appliances Company - ONR)

NP-356 PRESSURE DROP DUE TO FRICTION IN A NATURAL CIRCULATION 6/24/48
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R. A. Tidball (Mine Safety Appliances Company - ONR)

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NP-358 ELECTROMAGNETIC FLOW METERS AND ELECTROMAGNETIC PUMPS FOR SODIUM-POTASSIUM LIQUID ALLOYS. PRELIMINARY REPORT NO 8. 6/24/48 Confidential
R. C. Werner
E. C. King (Mine Safety Appliances Company - ONR)

NP-359 CORROSION OF CERTAIN MATERIALS BY SODIUM-POTASSIUM ALLOY. PRELIMINARY REPORT NO. 9. 6/24/48 Confidential
R. A. Tidball (Mine Safety Appliances Company - ONR)

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R. A. Tidball (Mine Safety Appliances Company - ONR)

NP-361 ANALYSIS OF NaK ALLOYS. PRELIMINARY REPORT NO. 11. 6/24/48 Confidential
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NP-363 CERAMIC MATERIALS FOR APPLICATIONS IN THE DESIGN OF JET PROPELLED DEVICES; AN ACCELERATED TEST FOR DETERMINED THE RELATIVE CORROSIVE EFFECT OF ENAMEL COATINGS ON METALS. 5/4/48 Unclassified
R. M. King
L. L. Moss
G. H. Lusher (Ohio State - USAF)

NP-364 LINEAR ELECTRON ACCELERATOR PROJECT. 8/1/48 Unclassified
W. W. Hansen (Stanford University - ONR)

NP-365 CERAMIC MATERIALS FOR APPLICATION IN THE DESIGN OF JET PROPELLED DEVICES; COMPARISON OF TENSILE STRENGTH OF A BRITTLE MATERIAL AS DETERMINED BY CENTRIFUGAL STRESS IN VACUUM VS. PNEUMATIC CYLINDER STRESS IN A SPECIALLY DESIGNED TENSILE TEST MACHINE. 6/23/48 Unclassified
H. R. Lowers
A. R. Blackburn (Ohio State - USAF)

NP-366 QUARTERLY REPORT FOR APRIL - JUNE 1948. 7/15/48 Unclassified
J. A. Stratton
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NP-369 SUPERCONDUCTIVITY AND LIQUID HELIUM II AT THE TEMPERATURE OF LIQUID HELIUM. SIXTH QUARTERLY PROGRESS REPORT. 1/1/48
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J. G. Daunt
H. L. Johnston (Ohio State - USAF)

NP-370 SUPERCONDUCTIVITY AND LIQUID HELIUM II AT THE TEMPERATURE OF LIQUID HELIUM. FOURTH PROGRESS REPORT. 7/1/47
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J. G. Daunt
H. L. Johnston (Ohio State - USAF)

NP-371 SUPERCONDUCTIVITY AND LIQUID HELIUM II AT THE TEMPERATURE OF LIQUID HELIUM. FIFTH QUARTERLY REPORT. 10/1/47
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J. G. Daunt
H. L. Johnston (Ohio State - USAF)

NP-372 QUARTERLY PROJECT SUMMARY. 1/1/48
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W.H. Leahy (ONR)

NP-375 THE EFFECTS OF PROLONGED HEATING ON FIVE PURE OXIDE BODIES. 5/27/48
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NP-379 RECENT GERMAN RESEARCH WORK ON FLUORINE AND FLUORINE COMPOUNDS. 6/5/47
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J. M. Neff (Armour Research - USAF)

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NEPA-506	PILE-HEATED TURBOJETS. L. A. Ohlinger (NEPA)	8/15/48 Secret
NEPA-508	ROCKET COMPUTATIONS. R. Cornog (NEPA)	8/3/46 Secret
NEPA-511	CONTROLS FOR NUCLEAR-POWERED AIRCRAFT. L. A. Ohlinger (NEPA)	8/22/46 Secret

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ANL-4271 SUMMARY REPORT FOR JANUARY, FEBRUARY AND MARCH 1948; Secret
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S. Lawroski et al (Argonne)

BNL-S-2 SCIENTIFIC PROGRESS REPORT. 7/1/47
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HRAC-67 MINUTES OF THE TWENTY-SEVENTH MEETING OF THE HEALTH 8/26/48
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G. H. Guest (Chalk River)

KLX-17 AUGUST PROGRESS REPORT; JOB 11. 8/31/48
G. White, Jr. (Kellex) Secret

M-4259 PROGRESS REPORT FOR MONTH OF NOVEMBER 1945 11/21/45
J. G. Hamilton (Berkeley) Secret

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NEPA-693 PROGRESS REPORT FOR THE PERIOD OF MAY 1 THROUGH 31, 1948.
T. A. Sims (NEPA) Secret

ORNL-59 LABORATORY WEEKLY PROGRESS REPORT FOR WEEK ENDING MAY 6/4/48
30, 1948; ADMINISTRATIVE, SERVICE AND OPERATING Secret
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C. N. Rucker (Oak Ridge)

P-875 PROGRESS REPORT FOR THE MONTH OF JUNE 1948.
F. H. Spedding (Iowa State) Secret

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