Series Outline

Air Force Cambridge Research Center, January 1954 - December 1959
Air Force Cambridge Research Center, January 1960 - December 1961
Air Force Cambridge Research Laboratory, January 1962 - May 1962
Air Force Cambridge Research Laboratory, May 1962 - July 1962
Air Force Cambridge Research Laboratory, July 1962 - August 1962
Air Force Cambridge Research Laboratory, August 1962 - December 1962
Air Force Cambridge Research Laboratory, December 1962 - April 1963
Argonne National Laboratory, October 1949 - July 1952
Argonne National Laboratory, August 1952 - January 1953
Argonne National Laboratory, January 1953 - October 1954
Argonne National Laboratory, October 1954 - April 1955
Argonne National Laboratory, April 1955 - January 1958
Argonne National Laboratory, January 1958 - April 1958
Argonne National Laboratory, April 1958 - August 1958
Argonne National Laboratory, September 1958 - February 1959
Argonne National Laboratory, March 1959 - May 1959
Argonne National Laboratory, May 1959 - September 1959
Argonne National Laboratory, October 1959 - April 1960
Armour Research Foundation, 1958 - 1962
Atomic Energy of Canada Limited, December 1962 - December 1964
Atomic Energy of Canada Limited, December 1964 - April 1965
Atomic Energy of Canada Limited, April 1965 - November 1965
Battelle Memorial Institute, June 1958 - April 1959
Battelle Memorial Institute, April 1959 - August 1959
Battelle Memorial Institute, September 1959 - November 1959
Battelle Memorial Institute, November 1959 - December 1963
Battelle Memorial Institute, January 1964 - November 1964
Battelle Memorial Institute, December 1964 - March 1965
Battelle North West Laboratory, November 1964 - April 1973
E. I. du Pont de Nemours & Co., December 1958 - September 1959
E. I. du Pont de Nemours & Co., October 1959 - June 1960
E. I. du Pont de Nemours & Co., June 1960 - December 1960
E. I. du Pont de Nemours & Co., December 1960 - July 1961
Energy Research and Development Administration, 1975 - 1976
Energy Research and Development Administration, 1977 - 1978
Ford Foundation Conference Reports, September 1969
General Electric Hanford Laboratories, January 1960 - July 1961
General Electric Hanford Laboratories, July 1961 - October 1961
General Electric Hanford Laboratories, October 1961 - January 1962
General Electric Hanford Laboratories, January 1962 - April 1962
General Electric Hanford Laboratories, April 1962 - July 1962
General Electric Hanford Laboratories, July 1962 - October 1963
General Electric Hanford Laboratories, July 1963 - October 1963
General Electric Hanford Laboratories, October 1963 - January 1964
General Electric Hanford Laboratories, January 1964 - February 1964
General Electric Hanford Laboratories, March 1964 - October 1964
General Electric Hanford Laboratories and General Electric Aircraft Nuclear Propulsion Department, October 1956 -
November 1956 November 1964 - January 1965
General Electric Aircraft Nuclear Propulsion Department, September 1956 - August 1961
General Electric Aircraft Nuclear Propulsion Department, August 1961 - June 1961
General Electric Atomic Power Equipment Department, October 1958 - January 1960
General Electric Atomic Power Equipment Department, August 1963 - October 1963
General Electric Atomic Power Equipment Department, November 1963
General Electric Atomic Power Equipment Department, April 1965 - November 1966
General Electric Flight Propulsion Laboratory Department, December 1961 - January 1963
General Electric Flight Propulsion Laboratory Department and General Electric General Engineering Laboratory, November 1953 - October 1954 April 1963 - June 1965
Goodyear Atomic Corporation, September 1958 - March 1965
Imperial College of Science and Technology and Israel Atomic Energy Commission, January 1960 - June 1960 September 1967 - November 1967
Massachusetts Institute of Technology Cambridge Laboratory, July 1951 - July 1956
Massachusetts Institute of Technology Cambridge Laboratory and Oak Ridge National Laboratory, August 1955 - Sep. 1968 April 1957 - July 1961
UK Atomic Energy Authority, November 1955 - May 1960
UK Atomic Energy Authority, March 1960 - 1961
UK Atomic Energy Authority, 1961 - October 1965
United States Atomic Energy Commission - Argonne National Laboratory, June 1949 - November 1954
United States Atomic Energy Commission - Battelle Memorial Institute and United States Atomic Energy Commission
Curtis-Wright Corporation, January 1948 - April 1955 May 1957 - June 1958
United States Atomic Energy Commission - Division of Technical Information, April 1961 - October 1961
United States Atomic Energy Commission - General Electric, April 1952 - July 1960
United States Atomic Energy Commission - General Electric, November 1960 - September 1961
United States Atomic Energy Commission - General Electric, December 1961 - July 1964
United States Atomic Energy Commission - Oak Ridge Laboratory, April 1946 - August 1954
United States Atomic Energy Commission - Oak Ridge Laboratory, August 1954 - August 1955
Conference Reports, July 1977 - March 1978
Conference Reports, April 1978 - November 1978
Conference Reports, November 1978 - May 1979
University of Washington, 1959 - 1961
Detailed Description of the Collection

Box 1

Air Force Cambridge Research Center, January 1954 - December 1959

1.15 Report: The Diurnal Variation of Temperature Near Tropopause Due to a Diurnal Variation of Terrestrial Radiation, by P. A. Davis, document AFCRC-TN-59-424, July, 1959

Box 2

Air Force Cambridge Research Center, January 1960 - December 1961

2.3 Report: The Effect of Topography and Geology on Telluric Currents, by E. M. Wescott and V. P. Hessler, document AFCRC-TN-60-431, April, 1960
Air Force Cambridge Research Laboratory, January 1962 - May 1962


Box
4  Air Force Cambridge Research Laboratory, May 1962 - July 1962

Box

Air Force Cambridge Research Laboratory, July 1962 - August 1962


Box 6  
Air Force Cambridge Research Laboratory, August 1962 - December 1962


Box


Report: Precision Time or Frequency Transmission to Moving Vehicles, by R. M. Waetjen, document AFCRL-63-93, April, 1963
8.2 Report: Dissolution of Zirconium in Hydrofluoric Acid, by J. E. Baumrucker, document ANL-5020, March 31, 1950
8.4 Report: Comparative Chronic Toxicities of Radium and Plutonium, by A. M. Brues, document ANL-4799, April, 1951
8.6 Report: Oxidation Potentials of the Neptunium (III) – (IV) and the Neptunium (V) – (VI) Couples in Perchloric Acid, by D. Cohen and J. C. Hindman, document ANL-4782, June, 1951
8.7 Report: Thermal Cycling Equipment, by R. M. Mayfield and S. T. Zegler, document ANL-4848, November 1, 1951
8.8 Report: Blackening of Lantern Slides by Beta Emitters, by L. I. Grossweiner, document ANL-4920, November, 1951
8.9 Report: A Vacuum Lock for Routine Solid Analyses with a Mass Spectrometer, by C. M. Stevens, document ANL-4816, December, 1951
8.11 Report: The Effect of Film Boiling, by J. C. Carter, document ANL-4766, February 7, 1952
8.14 Report: Metallographic Preparation of Thorium, by J. E. Baumrucker, document ANL-4912, March 31, 1952
8.27 Report: An Electromagnetic Rod-Position Indicator, by D. Krucoff, document ANL-4818, June, 1952
8.31 Report: The Radiations of Th231 (UY), by M. S. Freedman, A. H. Jaffey, F. Wagner, Jr., and J. May, document
<table>
<thead>
<tr>
<th>Box</th>
<th>Argonne National Laboratory, January 1953 - October 1954</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1</td>
<td>Report: Shielded Hood Model 1, by R. A. Blomgren, document ANL-4964, January, 1953</td>
</tr>
<tr>
<td>10.4</td>
<td>Report: Approximate Hartree Type Wave Functions and Matrix Elements for the K and L Shells of Atoms and Ions, by R. E. Meyerott, document ANL-5008, March, 1953</td>
</tr>
<tr>
<td>10.10</td>
<td>Report: Division of Biological and Medical Research Quarterly Report August, September, and October 1952, by A. M. Brues, document ANL-4932, 1953</td>
</tr>
<tr>
<td>10.11</td>
<td>Report: Division of Biological and Medical Research Quarterly Report November and December 1952, and January 1953, by A. M. Brues, document ANL-4948, 1953</td>
</tr>
</tbody>
</table>
Box

11 Argonne National Laboratory, October 1954 - April 1955


12 Argonne National Laboratory, April 1955 - January 1958

12.1 Report: Quarterly Report of Biological and Medical Research Division, by A. M. Brues, document ANL-5426, April, 1955
<table>
<thead>
<tr>
<th>Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
</tr>
</tbody>
</table>

| 13.5 | Report: Biological and Medical Research Division Semiannual Report July through December, document ANL-5841, March, 1958 |
| 13.10 | Report: Supplement to a Table of Wigner 9j Coefficients for Integral and Half-Integral Values of the Parameters, by K. Smith, document ANL-5860 Part I, |
14 Argonne National Laboratory, April 1958 - August 1958

14.1 Report: Supplement to a Table of Wigner 9j Coefficients for Integral and Half-Integral Values of the Parameters, by K. Smith, document ANL-5860 Part II, April, 1958


14.5 Report: Sulfochlorination of Hydrocarbons Induced by Gamma Radiation, by Alfred Schneider, document ANL-5863, June, 1958


Argonne National Laboratory, September 1958 - February 1959

15.1 Report: Biological and Medical Research Division Semiannual Report, document ANL-5916, September, 1958
15.5 Report: Environmental Radioactivity at Argonne National Laboratory Report for the Year 1957, by J. Sedlet, document ANL-5934, October, 1958
15.18 Report: The Argonne 60-Inch Cyclotron, by W. J. Ramler and G. W. Parker, document ANL-5907, February, 1959
Box

16  Argonne National Laboratory, March 1959 - May 1959


16.6 Report: Preferred Orientation in Rolled and in Recrystallized High-Purity Uranium Rod, by M. H. Mueller and H. W. Knott, document ANL-5887, April, 1959


Argonne National Laboratory, May 1959 - September 1959


17.21 Report: ,
Box 18  Argonne National Laboratory, October 1959 - April 1960


Box 19  Armour Research Foundation, 1958 - 1962

19.3 Report: An Improved Nuclear Measuring Principle, by S. V. White, document ARF-1152-12, August 1, 1960
19.4 Report: Design Studies on Cesium-137 as a Source for High Level Gamma Irradiators, by L. Voyvodic, document ARF-1150-12, December 5, 1960
19.5 Report: Isotopic Sources of Secondary Radiation, by I. Filosofo, document ARF-1122-27, February 1, 1961
Box
20  Atomic Energy of Canada Limited, December 1962 - December 1964

20.2 Report: Diffusionless Bonding of Aluminum to Type 304 Stainless Steel, by R. D. Watson, document AECL-2241, March, 1963
20.3 Report: Effect of Seal Ring Deflection on the Characteristics of Face-Type Mechanical Shaft Seals in High Pressure Water, by R. D. Watson, document AECL-2242, October, 1963
20.20 Report: Perigee Computer Codes for Reactor Simulation in 3 Dimensions, Using 1 or 2 Neutron Velocity Groups Appendix 1, by A. P. Olson, document AECL-2095, September, 1964
20.33 Report: Activities of AECL in the Fields of Biology, Health Physics and Medicine, by the USAEC Advisory Committee, document AECL-2107, November, 1964
20.40 Report: The Calculation of Power Distributions and Reactivity in the Converted NRU, by E. Critoph, document AECL-2139,
Atomic Energy of Canada Limited, December 1964 - April 1965


AECL-2225, March, 1965
21.41 Report: Annular Pellet Rod Mockup Experiment in Zeep, by R. E. Green, document AECL-2247, April, 1965
21.43 Report: CANDU Type Reactors for Dual-Purpose Power and Desalination Plants, by A. Wyatt, document AECL-2213, April, 1965
Atomic Energy of Canada Limited, April 1965 - November 1965


22.3 Report: The Pickering Nuclear Generating Station, by C. E. Beynon, document AECL-2214, April, 1965

22.4 Report: A Portable Leak Detector for Heavy Water, by R. B. Shields, document AECL-2278, April, 1965

22.5 Report: Calibration of Tritium-In-Air Monitors, by B. Banville, document AECL-2265, May, 1965


22.7 Report: The Radiolysis of Ortho and Meta Terphenyl I: with a Mixture of Fast Neutrons and Gamma Rays at Dose Rates of 0.1 and 0.3 W/g, by A. W. Boyd and H. W. J. Connor, document AECL-2258, May, 1965


22.14 Report: A Monte Carlo Calculation of Neutron Production in Heavy Element Targets Protons in the Range 0.3-1 BeV, by J. C. D. Milton and J. S. Fraser, document AECL-2259, June, 1965


22.31 Report: Melting of UO₂ during Irradiations of Short Duration, by A. S. Bain, M. Aragonés, and H. Guerrero, document AECL-2289, August, 1965
22.33 Report: A Helix Linear Accelerator for Electrons as a Model for a Proton Accelerator, by H. Klein, document AECL-2287, September, 1965
22.34 Report: On the High Frequency Characteristics of a Helix Linear Accelerator for Protons in the energy Range 0.15 to 1 MeV, by F. Saure, document AECL-2288, September, 1965
23 Battelle Memorial Institute, June 1958 - April 1959


23.13 Report: Prototype Gages to Measure Plate Spacing in Flat Fuel-Plate Subassemblies, by N. E. Miller, C. V. Weaver, and W. H. Goldthwaite, document BMI-1310, January 2, 1959


Box

24 Battelle Memorial Institute, April 1959 - August 1959

24.22 Report: Spray Deposition of Calcium Metal on Nickel or Inconel, by A. F. Haskins and R. M. Evans, document BMI-1371, August, 1959
August, 1959

Box
25 Battelle Memorial Institute, September 1959 - November 1959
25.9 Report: The Solid Solubility and Constitution of Yttrium in Iron-20 to 40 w/o Chromium Alloys, by N. S. Farkas and A. A. Bauer, document BMI-1386, October 20, 1959
Box
26  Battelle Memorial Institute, November 1959 - December 1963


Box 27  Battelle Memorial Institute, January 1964 - November 1964


27.17 Report: Chemical Diffusion in UC2 and UC and Thermal Diffusion in UC, by K. H. Osthagen and A. A. Bauer, document BMI-1686, August 12, 1964


27.26 Report: Radiation-Induced Changes in Methacrylate Polymers and their Application in Postirradiation Graft


27.28 Report: Nitrogen-Induced Internal Friction in Chromium-35 a/o Rhenium, by M. J. Klein, document BMI-1703, November 24, 1964

Box 28 Battelle Memorial Institute, December 1964 - March 1965


Box
29  Battelle North West Laboratory, November 1964 - April 1973

29.1 Report: Irradiated Tube Testing Facility, by P. M. Jackson, document BNWL-6, November, 1964
Box


30.17 Report: An All-Over Spot Test, by V. I. Montenyohl, document DP-151, March, 1956


30.25 Report: Determination of Traces of Thorium in Uranium Solutions, by M. O. Fulda, document DP-165, June, 1956


October, 1956
30.37 Report: Radiation Control at the Savannah River Laboratory, by G. M. Nichols, document DP-186, November, 1956
30.46 Report: Reactivity Comparisons between Cobalt and Lithium-Aluminum Alloy, by H. R. Fike, document DP-208, March, 1957
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Author(s)</th>
<th>Document Code</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.2</td>
<td>Report: Transistor Neutron Count Rate Meter</td>
<td>L. E. Weisner, Jr.</td>
<td>DP-234</td>
<td>August, 1957</td>
</tr>
<tr>
<td>31.16</td>
<td>Report: Preferred Orientation of Cold-Rolled and Recrystallized Uranium Plate</td>
<td>W. R. McDonell</td>
<td>DP-258</td>
<td>December, 1957</td>
</tr>
</tbody>
</table>
July, 1958
Box 32  
E. I. du Pont de Nemours & Co., December 1958 - September 1959  

32.3 Report: Geology and Hydrology, by S. O. Reichert, document DP-341, December, 1958  
32.5 Report: Reprocessing of Power Reactor Fuels. Third Quarterly Progress Report April 1 to July 1, 1958, by E. S. Occhipinti, document DP-319, December, 1958  
32.17 Report: An Improved Calibrator for Pile Period Meters, by L. Cathey, document DP-365, April, 1959  
32.18 Report: An In-Line Conductivity Meter with Temperature Compensation, by D. W. Colvin, document DP-361, April, 1959  
32.20 Report: Removal of Tritium Contamination from Surfaces of Metals, by A. E. Symonds, Jr., document DP-367, April, 1959  
<table>
<thead>
<tr>
<th>No.</th>
<th>Report Title</th>
<th>Author(s)</th>
<th>Document Number</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.35</td>
<td>Report: Inductively Coupled Scanning Switch, by F. P. Caiati</td>
<td></td>
<td>DP-401</td>
<td>August, 1959</td>
</tr>
<tr>
<td>32.37</td>
<td>Report: A Cladding Thickness Tester for Zirconium over Uranium, by A. P. Holt</td>
<td></td>
<td>DP-408</td>
<td>September, 1959</td>
</tr>
<tr>
<td>32.39</td>
<td>Report: Dissolution of Thorium in Mixtures on HNO3 and HF, by D. G. Karraker</td>
<td></td>
<td>DP-399</td>
<td>September, 1959</td>
</tr>
<tr>
<td>32.41</td>
<td>Report: Reprocessing of Power Reactor Fuels. Seventh Quarterly Progress Report April 1 to July 1, 1959, by L. H. Meyer and E. S. Occhipinti</td>
<td></td>
<td>DP-421</td>
<td>September, 1959</td>
</tr>
</tbody>
</table>
Box 33  

**E. I. du Pont de Nemours & Co., October 1959 - June 1960**

33.11 Report: Corrosion of Stainless Steel in Thorex Process Solutions, by P. M. Kranzlein, document DP-429, December, 1959


Report: ,

Report: ,

Report: ,
Box

34 E. I. du Pont de Nemours & Co., June 1960 - December 1960

34.2 Report: Precipitation of Radiouruthenium, by F. E. Butler, document DP-494, June, 1960
34.4 Report: Corrosion of Stainless Steel in HNO3 – HF Solutions, by P. M. Kranzlein, document DP-486, July, 1960
34.5 Report: Coulometric Titration of Uranium in Nitric Acid Solutions, by M. O. Fulda, document DP-492, July, 1960
34.9 Report: Precise Determination of Uranium in Uranyl Nitrate – Aluminum Nitrate Solutions, by C. M. MacDonald, document DP-503,
34.22 Report: Nitric Acid Species in Tri-n-Butyl Phosphate Solutions, by W. E. Shuler, document DP-513, September, 1960
34.28 Report: Decomposition of the Tributyl Phosphate – Nitrate Complexes, by G. S. Nichols, document DP-526, November, 1960
34.29 Report: Evaluation of Plastic Films for Protective Suiting, by A. E. Symonds, Jr., document DP-528, November, 1960
34.31 Report: Detection of U235 Buildup in Separations Processes by Neutron Multiplication, by A. C. Lapsley, document
DP-533, December, 1960
35.25 Report: A Polarographic Test for Solvent Quality, by R. C. Propst, document DP-573, April, 1961
35.26 Report: Radiolytic and Chemical Stability of Pure Hydrocarbons, by B. P. Dennis, document DP-577, April, 1961
35.31 Report: Reprocessing of Power Reactor Fuels. Fourteenth Quarterly Progress Report January 1 to April 1, 1961, by
Box


36.1 Report: Electron Multiplier as a Detector for a Surface Ionization Mass Spectrometer - Performance, by P. J. P.
    Chastagner, document DP-584, July, 1961

    July, 1961

36.3 Report: Metallography of U-2 Wt % Zr Alloy Before and After Irradiation, by C. L. Angerman and W. R. McDonell,
    document DP-589, July, 1961


36.7 Report: Determination of Enriched Uranium in Process Waste Streams, by M. O. Fulda, document DP-610, August,
    1961

36.8 Report: Electron Metallography of an Irradiated Stainless Steel Nozzle, by C. L. Angerman, document DP-606,
    August, 1961

36.9 Report: Heavy Water Components Test Reactor Savannah River Plant. Stress Analysis of the Reactor Vessel, by H.
    W. Bellas, document DP-632, August, 1961

    August, 1961

36.11 Report: Leakage of Water from Gasketed Joints Proposed for the HWCTR-Part II and Pump Mechanical Seal Vapor
    Leakage, by F. C. Apple, document DP-611, August, 1961


    1961

36.15 Report: A Study of Thermal and Resonance Neutron Flux Detectors, by G. M. Jacks, document DP-608, August,
    1961


36.19 Report: Exponential Void Coefficient Measurements for Natural Uranium Tubes in D2O, by W. B. Rogers, Jr.,
    document DP-643, September, 1961

    September, 1961

    Schreiber, document DP-579, September, 1961


Box

38.9 Report: Evaluation of Tandem – Extruded Joints between Zircaloy and Stainless Steel, by J. W. Joseph, Jr., document DP-723,
38.20 Report: Exponential Measurements on 19-Rod Clusters of UO2 Rods in D2O, by N. P. Baumann, document DP-758,
38.21 Report: , August, 1962
38.22 Report: Gauge for Measuring Wall Thickness of Irradiated Tubular Elements, by G. B. Cole, document DP-761,
38.24 Report: Hydraulic Performance of a 5-Inch Centrifugal Contactor, by D. S. Webster, document DP-370,
38.27 Report: August, 1962,
38.34 Report: Automatic Processing System for Film Badges, by J. W. Adams, document DP-783,
Box

40  **Energy Research and Development Administration, 1975 - 1976**


41  **Energy Research and Development Administration, 1977 - 1978**


42  **Ford Foundation Conference Reports, September 1969**


42.2 Report: On Building Social System Theory: A Personal History, by Talcott Parsons, September 10-14, 1969

42.3 Report: Computer as Information Processing Machines in Modern Science, by W. O. Baker, September 10-14, 1969

42.4 Report: The Continuity of Genetics, by Curt Stern, September 10-14, 1969

42.5 Report: The Growth of the Social Sciences (Sociology), by Edward Shils, September 10-14, 1969

42.6 Report: Men and Ideas in the History of Atomic Theory, by L. Rosenfeld, September 10-14, 1969

42.7 Report: Science for Man, by Rene Dubos, September 10-14, 1969

42.8 Report: Scientific Teams and Scientific Laboratories, by Alvin M. Weinberg, September 10-14, 1969
Box 44  General Electric Hanford Laboratories, July 1961 - October 1961

44.3 Report: Effect of Low Hydrogen Concentration on Hall Effect in Zircaloy-2, by W. G. Magnuson, Jr., document HW-70612, August 1, 1961
44.5 Report: Ultrasonic Testing of Heavy-Walled Zircaloy Tubing, by R. C. Aungst, document HW-70638, August 4, 1961
44.9 Report: Radioisotope Concentrations in the PRTR Primary Coolant and Helium Systems during Operation with a Failed Fuel Element(s), by R. W. Perkins and C. W. Thomas, document HW-70980, September 7, 1961
44.10 Report: Absorption of Thorium on an Anion Exchange Resin, by J. L. Carroll, document HW-70536, September 8, 1961
44.11 Report: Circuits for Manual Entry of Data into a Multichannel Analyzer Memory, by 71044, document HW-71044, September 13, 1961
44.15 Report: An Automatic Gamma Sample Changer, by U. L. Upson, document HW-71051, September, 1961
44.16 Report: Corrosion Tests on Ker-1 Zircaloy-2 Process Tube, by H. P. Maffei, document HW-71771, September, 1961
44.17 Report: Studies in Micromeritics. II. The Disposition of Particles in Circular Conduits Due to thermal Gradients, by A. K. Postma, document HW-70791, October 1, 1961
Box

45 General Electric Hanford Laboratories, October 1961 - January 1962

45.2 Report: A 2-1/2-Inch Diameter Television Camera, by A. N. Iverson, document HW-71314, October, 1961
45.3 Report: Preliminary Studies of Inhaled Dust Containing Neptunium-237, by W. J. Bair and A. C. Case, document HW-70949, October, 1961
45.4 Report: Nuclear Safety and Criticality of Plutonium, by E. D. Clayton and W. A. Reardon, document HW-71666, November, 1961
45.9 Report: Fission-Induced Vaporization of UO2 from a Source and Subsequent Condensation on Collectors Exposed to Fission Fragment Bombardment, by T. K. Bierlein and D. Mastel, document HW-72114, December, 1961
46. General Electric Hanford Laboratories, January 1962 - April 1962


46.4 Report: Compilation of Decontamination Data: Supplement to Progress Reports HW-67937 and HW-71259, by A. P. Larrick, R. B. Richman, and R. D. Reed, document HW-71260, February 16, 1962


Box
47  **General Electric Hanford Laboratories, April 1962 - July 1962**


47.2 Report: High Temperature Oxidation of Zirconium and Zircaloy-2 in Oxygen and Water Vapor, by R. E. Westerman, document HW-73511, April, 1962

47.3 Report: MAC – A Bulk Shielding Code, by E. G. Peterson, document HW-73381, April, 1962

47.4 Report: Possible Artifacts Associated with the Microstructure of Uranium Developed by Ion Bombardment, by T. K. Bierlein, B. Mastel, and R. D. Leggett, document HW-73476, April, 1962


Box

48  General Electric Hanford Laboratories, July 1962 - October 1963


Box
49  General Electric Hanford Laboratories, July 1963 - October 1963

49.1  Report: Hot Semiworks Strontium-90 Recovery Program, by Chemical Development Operation Chemical Laboratory, document HW-72666, July 17, 1963
49.4  Report: Continuous Measurement of Trace Concentrations of Ammonia in Water, by T. F. Demmitt, document HW-79296, October, 1963
49.5  Report: Determination of a Few Parts per Billion of Dissolved Oxygen, by A. H. Case, document HW-79194, October, 1963
49.13 Report: Specifications for Vibrationally Compacted, Mixed Oxide (UO2-PuO2), Fuel Elements for the PRTR (Mark I-L), by Staff of Ceramics Research and Development Operation, document HW-79291, October 1, 1963
49.14 Report: Specifications for Swage Compacted Mixed Oxide (UO2-PuO2), Fuel Elements for the PRTR (Mark I-M), by Staff of Ceramics Research and Development Operation, document HW-79290, October 1, 1963
Box 50  General Electric Hanford Laboratories, October 1963 - January 1964


50.5 Report: Fluid Mixing Experiments with a Wire-Wrapped 7-Rod Bundle Fuel Assembly, by E. D. Waters, document HW-70178 REV, November, 1963


50.8 Report: Technical Problems in Fittings for N-Reactor Primary Loop, by Staff of the N-Reactor Project Section, document HW-79616, November, 1963

50.9 Report: Two Dimensional Dynamic Analog Simulation for a Nuclear Reactor, by C. Metelmann, document HW-79446, November, 1963

50.10 Report: Rain Scavenging of Particulates, by R. J. Engelmann, document HW-79382, December 1, 1963


50.20 Report: Plutonium Recycle Test Reactor Power Test Results, by V. W. Gustafson, document HW-80253, December, 1963


Box
51 General Electric Hanford Laboratories, January 1964 - February 1964

51.1 Report: Large Scale Quarry Blasting on the Hanford Reservation, by R. T. Jaske, document HW-79614, January 15, 1964


51.6 Report: Fracture Stress of UO2-Tungsten Cermet Evaluated by the Diametral Tensile Test, by E. A. Snajdr, document HW-79676, January, 1964


51.11 Report: Two Cross Section Libraries for Use with MAC Shielding Code, by J. Greenborg, document HW-73381 SUP1, January, 1964

51.12 Report: Solvent Extraction of Strontium, Cerium and Rare Earths with D2EHPA, Part 1: Laboratory Studies, by W. W. Schulz, document HW-79762 PT1, February, 1964

Box 52  General Electric Hanford Laboratories, March 1964 - October 1964


52.6 Report: A New Model Concept for Large Nuclear Reactors, by R. A. Harvey, document HW-80521, June, 1964


52.8 Report: Evaluation of Radiological Conditions in the Vicinity of Hanford January – June, 1964, by R. F. Foster and R. H. Wilson, document HW-83723,


52.19 Report: Neutron Detector Shielding in a Reactor Background Environment, by O. K. Harling, document HW-84329, October, 1964


52.21 Report: Gamma Spectrometer for Use in Whole Body Counting, by E. M. Sheen, document HW-84250, October, 1964


53. General Electric Hanford Laboratories and General Electric Aircraft Nuclear Propulsion Department, October 1956 - November 1964

November 1964 - January 1965


53.11 Report: Radiation Damage to Non-Metallic Material, by V. P. Calkins, document APEX-167, October 5, 1956


Box

54  **General Electric Aircraft Nuclear Propulsion Department, September 1956 - August 1961**

54.1 Report: Radiation Damage to Elastomers, Organic Liquids, and Plastics, by C. G. Collins and V. P. Calkins, document APEX-261, September, 1956

54.2 Report: Synthetic Experiment Design Technique in Reactor Analysis, by J. M. Krase and C. Cyl-Champlin, document APEX-303, November 30, 1956


54.5 Report: Correlation of Data for Pressure Loss in a Cannular J-73 Combustor, by R. E. Motsinger, document APEX-320, August 9, 1957


Box 55  General Electric Aircraft Nuclear Propulsion Department, August 1961 - June 1961

55.2 Report: Investigation of the Effective Thermal Conductivity of Cast Lithium Hydride, by L. Manning and D. J. McKee, document APEX-744, August, 1961
55.3 Report: Photothermoelasticity Techniques And Application, by W. E. Greenwald, document APEX-668, August, 1961
55.8 Report: Stresses in Hexagonal Tubes, by H. J. Kurtz and F. E. Wells, document APEX-669, August, 1961
55.11 Report: Engineering Capabilities of In-Pile Irradiation Facilities used by GE-ANPD, by R. J. Harry and R. C. Fries, document APEX-716, October, 1961
55.18 Report: High Temperature Lubrication Study, by E. Haffner, P. Lewis, M. B. Peterson, and A. A. Schwartz, document APEX-672, December, 1961
Box
56  General Electric Atomic Power Equipment Department, October 1958 - January 1960

56.2 Report: Survey of the Physics, Metallurgy, and Engineering Aspects of Reactor Control Materials, by Vallecitos Atomic Laboratory and Engineering Section, document GEAP-3183, June 12, 1959
56.5 Report: Corrosion of Beryllium in Flowing Sodium, by W. W. Kendall, document GEAP-3333, January 15, 1960

Box
57  General Electric Atomic Power Equipment Department, August 1963 - October 1963

57.2 Report: The Variational Method Applied to the Monoenergetic Boltzmann Equation, by G. C. Pomraning and M. Clark, Jr., document APED-4341, August 30, 1963
57.3 Report: An Improved Free Surface Boundary Condition for the P-3 Approximation, by G. C. Pomraning, document APED-4344, September 18, 1963
57.5 Report: An Eigenfunction Expansion for Almost Rigid Rotation, by G. C. Pomraning, document APED-4345, September 30, 1963
57.11 Report: Maximum Flow Rate of a Single Component, Two-Phase Mixture, by F. J. Moody, document APED-4378, October 25, 1963
57.12 Report: Expansion of a Bubble from Inside a Submerged Channel, by A. S. Bartu and N.P. Hansen, document APED-4379, October, 1963
Box

58 General Electric Atomic Power Equipment Department, November 1963

58.7 Report: Fluctuation Voltage from an Arbitrary Distribution of Track Energies in an Ion Chamber, by T. M. Snyder, document APED-4475, February, 1964
58.8 Report: Phase Velocities in Boiling Flow System by Total Energy and by Diffusion, by Edward E. Polomik, document APED-4625, March 1, 1964
58.9 Report: Optimization of Colloid Rocket for Space Missions and Application to Betastatic Propulsion, by T. M. Snyder, document APED-4502, March 10, 1964
58.16 Report: Destructive Drop Tests of a Model Fuel Shipping Cask, by G. L. Saywell, document APED-4522, April 15, 1964
58.18 Report: Zircaloy-2 and Type-304 Stainless Steel at 2000°F in Water-Steam for Brief Times, by R. H. Leyse, document APED-4413, April 27, 1964
58.20 Report: Electron Microscopic Specimen Preparation and Image Interpretation, by U. E. Wolff and W. C. Cowden, document APED-4523, May 1, 1964
58.24 Report: Pressure Vessel Steel Surveillance Program for General Electric Power Reactors, by F. A. Brandt, document APED-4773, January 8, 1965
58.27 Report: Design and Operating Experience of the Esada Vallecitos Experimental Superheat Reactor (EVESR), by P.
Box

59  **General Electric Atomic Power Equipment Department, April 1965 - November 1966**

59.1 Report: Maximum Two-Phase Vessel Blowdown from Pipes, by F. J. Moody, document APED-4827, April 20, 1965


Box 60  General Electric Flight Propulsion Laboratory Department, December 1961 - January 1963


60.5 Report: Specialized Reactor-Shield Monte Carlo Program 18-0, by J. E. MacDonald, J. T. Martin, and J. P. Yalch, document GEMP-102, October, 1961


60.9 Report: Reactor Instrumentation and Control Progress Report No. 70, prepared by the Flight Propulsion Laboratory Department, document GEMP-70, January 19, 1962


60.14 Report: Reactor Instrumentation and Control Progress Report No. 72, prepared by the Flight Propulsion Laboratory Department, document GEMP-72, May 31, 1962


Box 61

General Electric Flight Propulsion Laboratory Department and General Electric General Engineering Laboratory, November 1953 - October 1954 April 1963 - June 1965


61.29 Report: Collision of Plates, by H. Poritsky and M. F. Bolster, document GEL-77, November 1, 1953

Box

Goodyear Atomic Corporation, September 1958 - March 1965


62.8 Report: The Precision Determination of Lattice Constants by the Asymmetric Method (Translation), by M. E. Straumanis and A. Ievins, Translated by K. E. Beu, document GAT-T-643, April 15, 1959


62.17 Report: Corrosion Control of Copper and Steel by Vacuum Deaeration, by M. E. Tester, document GAT-296, May 18, 1960


62.21 Report: German Procedures for the Enrichment of the Uranium Isotope, by Prof. Dr. W. Groth, document GAT-Z-5016, November 7, 1960


62.27 Report: Development and Performance of the Prototype Seal for the Power Recovery Turbine, by W. M. Heher,
document GAT-388, May 12, 1961

Box
63 Imperial College of Science and Technology and Israel Atomic Energy Commission, January 1960 - June 1967 - November 1967
63.5 Report: Optical Lattice Vibrations in Finite Ionic Crystals I. In the Absence of Retardation, by R. Ruppin and R. Englman, document IA-1117, May, 1967
63.7 Report: Proton Coupling Modes in Ferroelectric KH2PO4 Type Crystals, by E. Wiener, S. Levin, and I. Pelah, document IA-1135,
Box

**Massachusetts Institute of Technology Cambridge Laboratory, July 1951 - July 1956**

- 64.1 Report: Quarterly Progress Report No. 1, by J. C. Slater, N. H. Frank, and P. M. Morse, July 15, 1951
- 64.2 Report: Quarterly Progress Report No. 2, by J. C. Slater, P. M. Morse, and H. C. Schweinler, October 15, 1951
- 64.4 Report: Quarterly Progress Report No. 4, by J. C. Slater, N. H. Frank, and P. M. Morse, April 15, 1951
- 64.6 Report: Quarterly Progress Report No. 5, by J. C. Slater, P. M. Morse, and H. C. Schweinler, July 15, 1952
- 64.7 Report: Quarterly Progress Report No. 6, by J. C. Slater and P. M. Morse, October 15, 1952
- 64.8 Report: Quarterly Progress Report No. 7, by J. C. Slater and P. M. Morse, January 15, 1953
- 64.9 Report: Quarterly Progress Report No. 8, by J. C. Slater and P. M. Morse, April 15, 1953
- 64.11 Report: Quarterly Progress Report No. 9, by J. C. Slater and P. M. Morse, July 15, 1953
- 64.12 Report: Quarterly Progress Report No. 10, by J. C. Slater and P. M. Morse, October 15, 1953
- 64.17 Report: Quarterly Progress Report No. 16, by J. C. Slater, April 15, 1955
- 64.21 Report: Notes on Group Theory, by George F. Koster, March 1, 1956

Box

**Massachusetts Institute of Technology Cambridge Laboratory and Oak Ridge National Laboratory, August 1955 - Sep. 1968 April 1957 - July 1961**

UK Atomic Energy Authority, November 1955 - May 1960


66.8 Report: A Molecular Beam Ion Source for Hex Analysis with a Mass Spectrometer, by J. A. McKnight, document DEG-57-CA, November 18, 1959


Box

67 UK Atomic Energy Authority, March 1960 - 1961


67.8 Report: June 17, 1960, June 27, 1960


67.44  Report: Crystalline Fracture as a Criterion of Brittleness of Steels, by P. M. Dontsov and E. Bevitt, document DEG-107-C, 1961
Box
68  UK Atomic Energy Authority, 1961 - October 1965

68.5 Report: The Purification of Potassium and Sodium, by C. Kunze and J. C. Ruckman, document DEG-87-D, 1961
68.16 Report: Dual Pressure Steam Cycle Analysis, by F. Kay, document DEG-201-R, March 21, 1963
68.20 Report: Lattice constant determination with X-ray goniometers taking into account high-temperature techniques, by H. Ebel and J. B. Sykes, document AERE-Trans-1027, October, 1964
68.21 Report: Study of complex and covalent iron compounds using the Fe57 Mossbauer effect, by W. Kerler, W. Neuwirth, E. Fluck, P. Kuhn, B. Zimmerman, and A. Crozy, document AERE-Trans-1026, November, 1964
68.23 Report: New methods for obtaining fresh water from sea water by freezing, by T. Messing and J. Park, document AERE-Trans-1022, December, 1964
68.26 Report: Structure of Coke. Applications to Industrial Coking, by A. Lermusiaux and H. E. Nowottny, document
AERE-Trans-1029, January, 1965

68.29 Report: The effect of resonance on a direct process, by A. Pfitzner, C. Riedel, and J. B. Sykes, document AERE-Trans-1025, March, 1965


68.33 Report: 25 Years of Nuclear Fission. Methods and Results of Chemical Studies. I. Historical Background, Fission Products, by G. Herrmann and A. Crozy, document AERE-Trans-1036, May, 1965

68.34 Report: Identification of kink bands in plastically deformed lamellar pearlite, by M. Pröger and J. B. Sykes, document AERE-Trans-1035, June, 1965


68.36 Report: Interpretation of the Conductivity of Porous and Dispersed Media with the Aid of Cubic Cellular Geometric Models, by P. Le Goff, C. Prost, and J. M. Jacobs, document AERE-Trans-1038,


68.39 Report: Some Applications of Radioisotopes in the Field of Civil Engineering, by A. Ariizumi and S. G. Brickley, document AERE-Trans-1044, August, 1965


68.41 Report: The Linear Zeeman Effect in Crystals, by K. H. Hellwege and O. S. Whitston, document AERE-Trans-1045, September, 1965


68.43 Report: Results with Phosphate Glass Dosemeters in Personnel Dosimetry, by H. Kiefer, R. Maushart, E. Piesch, O. S. Whitston, document AERE-Trans-1046, October, 1965

68.44 Report: The Planning of n-p scattering experiments for determining the most probable set of phase shifts, by F. Lehar, V. V. Fedorov, and D. L. Allan, document AERE-Trans-1047, November, 1965


68.51 Report: The solubility of calcium sulphate in high-temperature and supercritical steam, by O. I. Martynova, Ye. F. Samoilov, I. S. Kurtova, and E. B. Uvarov, document AERE-Trans-1058, April, 1966


68.53 Report: Study of the machining of uranium carbide rods obtained by continuous casting under electron bombardment, by P. Rousset, A. Accary, and H. E. Nowottny, document AERE-Trans-1052, October, 1965

69.1 Report: Predicted Core Performance for the Army Package Power Reactor No. 1, by F. B. Fairbanks, document APAE-11, August 31, 1956

69.2 Report: Initial Operation and Testing of the Army Package Power Reactor APPR-1, by J. L. Meem, document APAE-18, August 9, 1957


70.1 Report: APPR-1 Research and Development Program; Shielding Experiments and Analyses, by S. S. Rosen, document APAE-35, October 15, 1958


70.3 Report: Design Analysis of a Prepackaged Nuclear Power Plant for an Ice Cap Location, prepared by Alco Products, Inc., document APAE-39, January 15, 1959


Box 71  **United States Atomic Energy Commission - Alco Products, Inc., October 1959 - October 1961**


71.3 Report: Welding 2-1/4% Cr – 1% Mo Steel Tubes to 2-1/4% Cr – 1% Mo Steel Tubesheets, prepared by Alco Products, Inc., document APAE-73, August 15, 1960

71.4 Report: Welded Transition Joint Between 2-1/4% Cr 1% Mo Steel and Type 316 Stainless Steel, prepared by Alco Products, Inc., document APAE-72, August 15, 1960

71.5 Report: Research and Development Reports for Sodium to Sodium Intermediate Heat Exchanger and Sodium to Water Steam Generator, prepared by Alco Products, Inc., document APAE-81, October 30, 1960


Box 72  **United States Atomic Energy Commission - Alco Products, Inc., December 1961 - May 1962**


Box
73 United States Atomic Energy Commission - Argonne National Laboratory, June 1949 - November 1954

73.1 Report: Layer Formation by Interdiffusion between Some Reactor Construction Metals, by J. H. Kittel, document ANL-4937, June 17, 1949

73.2 Report: The effect of Cycling Variables Upon the Growth Rate of 300°C Rolled Uranium, by R. M. Mayfield, document ANL-4905, June 1, 1952


73.4 Report: The Melting of High Purity Uranium, by B. Blumenthal, document ANL-5019, November 14, 1952

73.5 Report: The Effect of Ionizing particles on Liquid Water and Aqueous Solutions, by E. J. Hart, document ANL-4999, March 6, 1953


73.10 Report: Design Study of Small Boiling Reactors for Power and Heat Production, by M. Treshow, document ANL-5327 (Del.), November, 1954

73.11 Report: Production of Pu246 in the MTR, by H. Diamond and R. F. Barnes, document ANL-5361, November, 1954


74.20 Report: A Conceptual Design Study of an Advanced Engineering Test Reactor, by Members of the Nuclear Power Department, document CWR-464 (Del.), May 1, 1957


United States Atomic Energy Commission - Division of Technical Information, April 1961 - October 1961


75.2 Report: Analysis of Uranium Fuel Rod by X-Ray Inverse Pole Figure Method (I). Studies on Uranium Fuel Element. VI., by Kiyoaki Taketani, document AEC-tr-4465, August, 1961


75.4 Report: The Design of Special Hoods for Machining Natural Uranium Metal. Studies on Uranium Fuel Element. IV., by Kiyoaki Taketani, document AEC-tr-4464, August, 1961

75.5 Report: Dispersion Relations of Plasma Oscillations, by I. Kaji and Y. Ozawa, document AEC-tr-4381, August, 1961


75.8 Report: Reactor G 1: Flux Charts in the Flat Reactor, by J. P. Genthon, document AEC-tr-4504, August, 1961

75.9 Report: Reports at the Conference on Nuclear Reactions Induced by Multicharge Ions, prepared by the Division of Technical Information, document AEC-tr-4445, August, 1961


75.11 Report: Long Term Effects of Injuries Caused by the Action of Ionizing Radiation, by D. I. Zakutinski, document AEC-tr-4473, September, 1961


75.15 Report: Methods of A. M. Lyapunov and their Application, by V. I. Zubov, document AEC-tr-4439, October, 1961


76.1 Report: Theoretical Metallography, by U. Dehlinger, document AEC-tr-4500, October, 1961


77.5 Report: General Computational Methods of Chebyshev Approximation. The problems with Linear Real Parameters, by E. Y. Remez, document AEC-tr-4491 (Book 1), May, 1962
77.6 Report: General Computational Methods of Chebyshev Approximation. The Problems with Linear Real Parameters, by E. Y. Remez, document AEC-tr-4491 (Book 2), May, 1962


Box 79  United States Atomic Energy Commission - Division of Technical Information, November 1962 - January 1968


80 United States Atomic Energy Commission - General Electric, April 1952 - July 1960


80.2 Report: Critical Mass Calculations for Bare Hydrogen Moderated Reactors by Means of Transport Theory, by D. Selengut, document APEX-121, September, 1952


80.5 Report: Thermal Conductivity of Metal Composites, by E. B. Masters, document APEX-186, January 5, 1954


80.7 Report: Miscellaneous Data for Shielding Calculations, by J. Moteff, document APEX-176, December 1, 1954


80.15 Report: Performance–Two-Phase Pressure Drop, Burnout, and Hydraulic Oscillation of an Inclined Test Section with Net Steam Generation at 1000 psia, by S. Levy and C. L. Swan, document GEAP-3228 (Rev. 1), August 15, 1959


80.17 Report: Metal-Water Reactions. VI. Analytical Formulations for the Reaction Rate, by L. F. Epstein, document GEAP-3272, September 30, 1959


80.20 Report: Nuclear Superheat Project First Quarterly Progress Report July-September 1959, by R. T. Pennington, document GEAP-3290, December 1, 1959


80.27 Report: The Determination of Uranium Burnup in Mwd/Ton, by B. F. Rider, J. L. Russell, Jr., D. W. Harris, and J. P. Peterson, Jr., document GEAP-3373, March 17, 1960


80.29 Report: A Survey of New Cadmium Materials for Possible Reactor Application, by S. Siegel, document GEAP-3395,
April 1, 1960


<table>
<thead>
<tr>
<th>Box</th>
<th>United States Atomic Energy Commission - General Electric, July 1960 - November 1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>81.14</td>
<td>Report: The Stability of Two-Phase Flow Loops and Response to Ship’s Motion, by E. S. Beckjord, document GEAP-3493 (Rev. I), September 26, 1960</td>
</tr>
<tr>
<td>81.16</td>
<td>Report: T7 Tanker Locking Piston Control Rod Drive Scram Analysis, by J. Roberts and S. F. Armour, document GEAP-3561, October 5, 1960</td>
</tr>
<tr>
<td>81.18</td>
<td>Report: Corrosion Behavior of Some Metal Borides, by E. W. Hoyt, J. Chorne, and W. V. Cummings, document GEAP-3548, October 18, 1960</td>
</tr>
</tbody>
</table>
United States Atomic Energy Commission - General Electric, November 1960 - September 1961

82.1 Report: Steam-Cooled Power Reactor Evaluation for 300 MW(e) Separate Superheater Reactor, prepared by the Atomic Power Equipment Department, document GEAP-3589 (Rev. 1), November, 1960


82.4 Report: Reactivity vs. Number of Neutrons Captured in Control Materials, by W. L. Morgan and J. L. Russell, Jr., document GEAP-3616, December 30, 1960


82.6 Report: Metallography of the Borides, by D. R. Lewis, document GEAP-3626, January 9, 1961


82.10 Report: Steam-Cooled Power Reactor evaluation Study of 300MW(e) Once-Through Superheater Reactor, prepared by the Atomic Power Equipment Department, document GEAP-3633, January, 1961


82.12 Report: Information of the Use of Boron Carbide as a Nuclear Control and Poison Material, by E. W. Hoyt, document GEAP-3680, March 15, 1961


82.18 Report: Nuclear Superheat Project Fifth Quarterly Progress Report, July-September 1960, prepared by the Atomic Power Equipment Department, document GEAP-3581, September, 1961


82.20 Report: Nuclear Superheat Project Sixth Quarterly Progress Report, October-December 1960, by R. T. Pennington, document GEAP-3686, September, 1961
Box 83

United States Atomic Energy Commission - General Electric, December 1961 - July 1964

83.10 Report: Mechanical Design Considerations in Primary Nuclear Piping, by S. W. Tagart, Jr., document GEAP-4578, March, 1964

84.1 Report: The Application of Techniques of Sequential Analysis to Audit Procedures, by M. N. Hudson, Jr., document IDO-10022, September 25, 1953
84.2 Report: Estimated Unit Cost of Cobalt from a Cobalt-60 Production Reactor, prepared by the Idaho Operations Office, document IDO-10034, October 20, 1957


85.2 Report: Metallurgical Examination of a Melted Spert-I Type-B Fuel Plate, by W. O. Schaffnit, document IDO-16477, September 18, 1958


85.6 Report: Recording Profilometer, by T. J. Boland, document IDO-16487, November 12, 1958


85.18 Report: Calculation of Isotope Production by the Cyclic Irradiation of Thorium, by R. G. Nisle, document IDO-16504, March 26, 1959


Box


86.2 Report: Core Power Variation and Fuel Burnup in the Engineering Test Reactor, by L. J. Harrison, document IDO-16540, July 8, 1959

86.3 Report: An Analysis of a Reactivity Transient in Irradiated Thorium, by R. G. Nisle, document IDO-16513, July 9, 1959


86.6 Report: Operating Parameters and Neutron Flux Profiles for MTR Plutonium Core, by L. J. Harrison, document IDO-16526, July 31, 1959


86.10 Report: Error Propagation in Hot Channel - Hot Spot Analysis, by F. H. Tingey, document IDO-16558, October 14, 1959

86.11 Report: Miscellaneous Tests with the Spert I Reactor, by G. O. Bright and S. G. Forbes, document IDO-16551, October 23, 1959


Box


87.6 Report: Scattering of Neutrons by Gaseous Molecules, by H. L. McMurry, document IDO-16592, March 22, 1960
87.9 Report: Coordinates for Semi-Rigid Molecules, by H. L. McMurry, document IDO-16600, May 9, 1960
87.18 Report: Coordinates for Calculating Vibrational Frequencies in Chain Molecules, by H. L. McMurry, document IDO-16605, August 31, 1960
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>88.18</td>
<td>Report: Manual for Operational Documentary Photography (ODP), by V. V. Hendrix, document IDO-10037 (Rev. 1), December 23, 1963</td>
</tr>
</tbody>
</table>
United States Atomic Energy Commission - Oak Ridge Laboratory, April 1946 - August 1954

89.8 Report: Design Calculations for Steam System for 10 Mw Pressurized-Water Power Reactor, by R. C. Robertson, document CF-53-9-33, September 30, 1953
89.16 Report: An Harmonics Method Applied to D2O Moderated Reactors, by M. C. Edlund and L. C. Noderer, document CF-54-3-120, March 18, 1954
89.17 Report: Fuel Dump Tanks for HRT, by S. Visner, document CF-54-4-30, April 2, 1954
89.18 Report: Reactivity Effects of Non-Uniform Density Changes in HRT, by V. K. Paré, document CF-54-4-182, April 26, 1954
89.19 Report: Free Convection in the Reactor Pool (Revised), by N. F. Lansing, document CF-54-4-170, April 27, 1954
89.22 Report: HRT Cooler Design Data, by R. G. Pitkin, document CF-54-6-78, June 10, 1954
89.23 Report: Temperature Coefficients and Maximum Rates of Increase of Reactivity for HRT, by V. K. Paré, document CF-54-6-200, June 15, 1954
89.25 Report: A Two-Region Homogeneous Reactor without a Core Tank, by S. Visner, document CF-54-6-180, June 23, 1954
89.28 Report: Certain Nuclear Data and Physical Properties to be Used in the Study of Thorium Breeders, by M. Tobias, document CF-54-8-179, August 26, 1954
89.29 Report: Age Measurements in LiF, by J. E. Faulkner, document CF-54-8-98, August 31, 1954
89.30 Report: Calculation of Fission Neutron Age in NaZrF5, by J. E. Faulkner, document CF-54-8-97, August 31, 1954

Box

90 United States Atomic Energy Commission - Oak Ridge Laboratory, August 1954 - August 1955

90.7 Report: A Study of Possible Blast Effects from HRT Pressure Vessel Rupture, by P. M. Wood, document CF-54-12-100, December 14, 1954
90.14 Report: The Rheology of Thorium Oxide Slurries, by P. R. Crowley and D. G. Thomas, document CF-55-4-182, April 20, 1955
Box 91


91.1 Report: Optics in Equipment for the Utilization of Solar Energy, by V. B. Veinberg, document AEC-tr-4471, April, 1959


91.5 Report: Polymerization of Ethylene under the Influence of Gamma-Radiation, by S. S. Medvedev, A. D. Abkin, and P. M. Khomikovski, document AEC-tr-3894, April, 1960


91.7 Report: Atom Bomb Shelter, by P. Teissier, document AEC-tr-3887, September, 1960


91.9 Report: Introduction to Crystal Chemistry, by G. B. Boki, document AEC-tr-4138 (Book 1), September, 1960

91.10 Report: Introduction to Crystal Chemistry, by G. B. Boki, document AEC-tr-4138 (Book 2), September, 1960
<table>
<thead>
<tr>
<th>Page</th>
<th>Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.7</td>
<td>Report: Specifications for Blastproof Shelters, by prepared by the Office of Technical Information, document AEC-tr-3888, September, 1960</td>
</tr>
</tbody>
</table>

93.5 Report: Biogeochemical Studies with Strontium-90, Cesium-137 and Others, by Y. Hiyama, document AEC-tr-4245, February, 1961
93.6 Report: Description of Reactors G2 and G3, by Herreng, Ertaud, and Pasquet, document AEC-tr-4385, February, 1961
93.9 Report: Contribution to the Study of Medullary Syndrome Following Irradiation: an Experimental Study, by H. Maisin, document AEC-tr-4427, April, 1961


94.1 Report: Oscillation Matrices and Kernels and Small Vibrations of Mechanical Systems, by F. P. Gantmakher and M. G. Krein, document AEC-tr-4481, April, 1961
94.2 Report: Preparation of Calcium by the Dissociation of Calcium Carbide, by A. S. Mikulinski and F. S. Maron, document AEC-tr-4405, April, 1961
94.3 Report: Radiometry, by V. I. Baranov, document AEC-tr-4432, April, 1961
94.7 Report: Transactions of the All-Union Scientific Technical Conference on the Use of Radioactive and Stable Isotopes and Radiations in the National Economy and in Science, April 4-12, 1957, Prospecting and Development of Useful Minerals, prepared by the Office of Technical Information, document AEC-tr-4475, April, 1961


97.4 Report: Some Aspects of the Problem of Packaging Food Products Which Have Been Sterilized by Ionizing Radiation, by L. Brunelet and P. Vidal, document AEC-tr-3691, June, 1959


97.11 Report: Nuclear Naval Propulsion: Tankers, Liners (Conditions of Profitability), by R. Gibrat, document AEC-tr-3747, August, 1959


98.1 Report: Radioactive Contamination of Fish in Water Containing Strontium, by M. M. Saurov, document AEC-tr-3746, August, 1959


98.3 Report: Some Problems in the Theory of Nonlinear Oscillations, by I. G. Malin, document AEC-tr-3766 (Book 2), August, 1959

98.4 Report: Works of the All-Union Conference on Medical Radiology. Experimental Medical Radiology, prepared by the Technical Information Service, document AEC-tr-3661 (Book 1), August, 1959

98.5 Report: Works of the All-Union Conference on Medical Radiology. Experimental Medical Radiology, prepared by the Technical Information Service, document AEC-tr-3661 (Book 2), August, 1959

98.6 Report: Surface Chemical Compounds and their Role in Adsorption Phenomena, by A. V. Kiselev, document AEC-tr-3750, September, 1959


99.1 Report: Statics of Thin-Walled Elastic Shells, by A. L. Lur’e, document AEC-tr-3798, October, 1959
99.2 Report: Calculation of Thermodynamic Functions from Molecular Data, by I. N. Godnev, document AEC-tr-3855, November, 1959


100.7 Report: Collected Works on Radiobiology, by N. I. Nuzhdin, document AEC-tr-3740, May, 1960
100.10 Report: Magnetic Emission of High Temperature Plasma, by B. A. Trubnikov, document AEC-tr-4073, June, 1960


101.5 Diagrams: Assorted Figures,
Box
102 Conference Reports, July 1977 - March 1978


Box
103 Conference Reports, April 1978 - November 1978


Box
104 Conference Reports, November 1978 - May 1979

104.1 Report: Revised Proceedings of The Department of Energy’s Solar Update. Four Regional Conferences Highlighting the Objectives, Plans and Experience of the National Commercial Heating and Cooling Demonstration Program
and the National Solar Data Program, prepared by the Solar Heating and Cooling Demonstration Branch, document CONF-780701,


104.4 Report: Carbon Dioxide Effects Research and Assessment Program. Workshop on the Global Effects of Carbon Dioxide from Fossil Fuels, prepared by the Office of Health and Environmental Research, document CONF-770385, May, 1979

Box

105 University of Washington, 1959 - 1961

