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Selected Bibliography of Publications
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1957-1962
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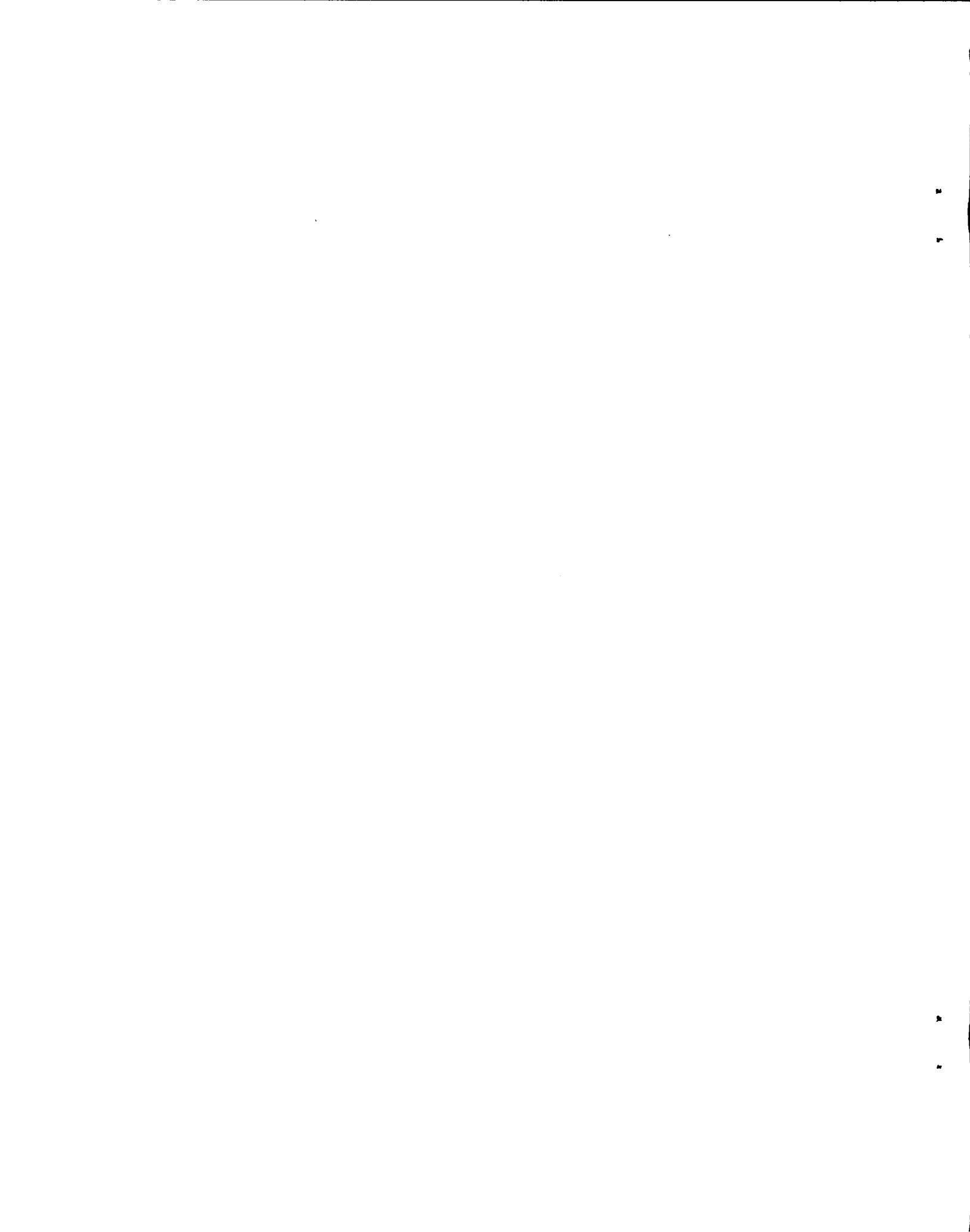
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by

Barbara Hendry





INTRODUCTION

This supplement attempts to list all publications inadvertently omitted from the original bibliography, LAMS-2895, and to list patents, which were deliberately omitted from the original. The scope of the original was defined as all publications other than LA- and LAMS-reports that appeared during the years 1957-62 and that covered work done at the Los Alamos Scientific Laboratory. Journal articles, books, symposia and proceedings, and parts thereof were included. Papers in symposia and proceedings issued solely as unclassified and declassified reports were also included. All are, therefore, included here.

It is the intention to list here citations to full publications of papers which appeared in the original only as abstracts, but not the reverse. Additional places of full publication are given here for papers listed in the original.

References are made to other versions of the same paper cited in the original volume of this work by the notation Also: at the end of an entry, followed by the entry number in the original.

Arrangement of entries is different from that in the original. Entries Add-132 to -443 are arranged alphabetically by first author regardless of year of publication. Entries for the same author are arranged alphabetically by the first word of the title. Entries Add-444 to -690 are patents, arranged numerically by U.S. Patent number.

An author index is provided.

- Add-132 Albrecht, E. Daniel.
 PLUTONIUM-ZINC PHASE DIAGRAM FROM 65 TO 100 PER CENT
 ZINC.
 Thesis, Univ. of Arizona, DTIE, 1961, 127 p.
 (TID-12,630) (LA-DC-4737)
- Add-133 Anderson, Ernest C., Ward, Gerald M., Holland, Joshua Z.,
 and Langham, Wright H.
 CESIUM¹³⁷ LEVELS IN UNITED STATES POWDERED MILK AND
 IN THE POPULATION.
 Proc. Conf. Radioactive Fallout Nucl. Weapons Tests,
 Germantown, Md., Nov. 15-17, 1961, p. 477-516.
 DTIE, 1962. (TID-7632, Book 2) (LA-DC-5270)
- Add-134 Anderson, Ernest C.
 HUMAN COUNTER.
 Proc. Bio-Assay Anal. Chem. Meeting, 2nd., Los
 Alamos, N. Mex., Oct. 11-12, 1956, p. 143-63.
 Los Alamos Sci. Lab., 1957. (WASH-736) (LA-DC-3114)
 Also: 57-5, 58-6
- Add-135 Anderson, Ernest C., Schuch, Robert L., and Kerr, Vernon N.
 LOS ALAMOS HUMAN COUNTER: HUMCO II.
 Proc. Conf. Organic Scintillation Detectors, Univ.
 of New Mexico, Albuquerque, Aug. 15-17, 1960,
 p. 344-70. DTIE, 1960. (TID-7612) (LA-DC-4456)
- Add-136 Anderson, Ernest C.
 LOW-LEVEL COUNTING FROM ARCHAEOLOGICAL TO NUCLEAR
 REACTORS.
 Proc. Intern. Conf. and Exhibitions Electronics At.
 Energy, 5th, Rome, Italy, June 16-30, 1948, p. 80-95.
 DTIE, 1959. (TID-7557) (LA-DC-NN-222)

- Add-137 Anderson, Ernest C.
RAPID READING OF LARGE BINARY SCALES.
DTIE, 1958, 9 p. (AECU-3826) (LA-DC-2222)
- Add-138 Anderson, Robert W.
METALLOGRAPHIC CHARACTERISTICS OF OXIDES, NITRIDES,
AND CARBIDES IN ALPHA TANTALUM.
DTIE, 1959, 6 p. (TID-11,526) (LA-DC-4140)
- Add-139 Anthony, S. Albert and Crook, Robert C.
TECHNICAL PHOTOGRAPHY. DOCUMENTARY, June 1956.
DTIE, 1957, 34 p. (WT-1169) (LA-DC-NN-223)
- Add-140 Argo, Harold, Hoerlin, Herman, Longmire, Conrad, Petschek,
Albert, and Skumanich, Andrew.
NUCLEAR EXPLOSIONS IN SPACE FOR SCIENTIFIC PURPOSES.
Proc. Plowshare Symp., 2nd., San Francisco, May
13-15, 1959, Plowshare Series: Rept. no. 2, Part
V: Scientific Applications of Nucl. Explosives
in the Fields of Nucl. Phys., Seismology, Meteorology,
Space, p. 96-110. Lawrence Rad. Lab., Livermore,
1959. (UCRL-5679) (LA-DC-NN-224)
- Add-141 Armstrong, Alice H., Frye, Glenn M., Jr., and Rosen, Louis.
ADAPTATION D'UN CONGELATEUR DOMESTIQUE COMMERCIAL AU
DEVELOPPEMENT DES EMULSIONS NUCLEAIRES.
Photographie Corpusculaire II, Resumes Colloque
Intern. Photographie Corpusculaire, 2nd., Univ.
of Montreal, 1958, Demers, Pierre (ed) (Univ. of
Montreal Press) p. 153-8. (1959). (LA-DC-3397)
- Add-142 Baker, George A., Jr., McCarthy, Ian E., and Porter,
Charles E.
APPLICATION OF THE PHASE SPACE QUASI-PROBABILITY
DISTRIBUTION TO THE NUCLEAR SHELL MODEL.
Phys. Rev. 120, 254-64 (1960). Phys. Rev. Letters
5, 127 (1960). (LA-DC-6246)
- Add-143 Baker, George A., Jr.
COMPACT EVALUATION OF A CIRCUIT AND A SET OF TRIGONO-
METRIC IDENTITIES.
DTIE, 1961, 4 p. (TID-6716) (LA-DC-4415)
- Add-144 Baker, George A., Jr., and Oliphant, Thomas A., Jr.
IMPLICIT NUMERICAL METHOD FOR SOLVING THE TWO-DIMENSIONAL
HEAT EQUATION. (Abstract)
Notices Am. Math. Monthly 5, (32), 462-3 (1958).
(LA-DC-3384)
Also: 60-8

- Add-145 Balke, Karl G., and Carter, Glenn L.
COLASL AUTOMATIC CODING LANGUAGE.
Symbolic Languages in Data Processing, Proc. Symp.,
Intern. Computation Centre, Rome, March 26-31, 1962.
(New York, Gordon & Breach) p. 501-37. (1962).
(LA-DC-5173)
- Add-146 Ballance, Harry E.
COMPRESSING-EXPLOSIVES HYDROSTATICALLY.
Tooling Prod. 28, (8), 64 (1962). (LA-DC-4496)
- Add-147 Bame, Samuel J., Jr., and Leland, Wallace T.
NEUTRON SPECTRUM FROM THE T+ t REACTION.
Bull. Am. Phys. Soc. 2, (2), 104 (1957). (LA-DC-2674)
Also: 57-12
- Add-148 Bame, Samuel J., Jr., Conner, Jerry P., Hill, Henry H.,
and Holly, F. Eugene.
PROTONS IN THE OUTER VAN ALLEN BELT. (Abstract)
J. Geophys. Res. 67, 1828 (1962). (LA-DC-5093)
- Add-149 Bauer, Simon H., Cowperthwaite, Michael, and Duff, Russell E.
EQUILIBRIUM COMPOSITION OF THE C/H SYSTEM AT ELEVATED
TEMPERATURES.
Kinetics of Reactions in Shock Tubes, S. H. Bauer
et al, p. 39-51. Wright Air Development Div.,
1960. (WADD-TR-60-107) (LA-DC-4919 and LA-2556)
Also: 61-5A, 62-67
- Add-150 Bauer, Simon H.
RELAXATION TIMES FOR FAST REACTIONS FROM PHASE LAG
MEASUREMENT: PHASE LAG AS A MEASUREMENT OF ENTROPY
GAIN.
DTIE, 1958, 34 p. (AECU-3857) (LA-DC-2272)
- Add-151 Baxman, Horace R.
EXTRACTION OF URANIUM FROM PHOSPHATE SOLUTIONS.
DTIE, 1959, 9 p. (AECU-3746) (LA-DC-2431)
- Add-152 Bell, Carlos G., Jr., and Hayes, F. Newton (eds).
LIQUID SCINTILLATION COUNTING.
Proc. Conf., Northwestern Univ., Aug. 20-22, 1957.
(Pergamon Press, New York) 292 p. (1958).
(LA-DC-NN-225)

- Add-153 Bellman, Richard, Kalaba, Robert, and Wing, G. Milton.
ON THE PRINCIPLE OF INVARIANT IMBEDDING AND ONE-DIMENSIONAL NEUTRON MULTIPLICATION.
Proc. Nat. Acad. Sci. 43, 517-20 (1957).
(LA-DC-OR-300)
- Add-154 Benz, Robert.
THERMODYNAMICS OF PuCl_4 FROM TRANSPIRATION DATA.
J. Inorg. Nucl. Chem. 24, 1191-5 (1962).
(LA-DC-5161)
- Add-155 Bernstein, Ira B., and Robinson, Bruce Butler.
VARIATIONAL CALCULATION OF PLASMA TRANSPORT PROPERTIES.
Proc. Conf. Theoretical Aspects Controlled Fusion Res., Gatlinburg, Tenn., April 27-28, 1959, p. 10-6.
DTIE, 1959. (TID-7582 and ORNL-2805) (LA-DC-5886)
- Add-156 Bidwell, Richard M.
MOLTEN PLUTONIUM FUEL DEVELOPMENT (METALLURGY).
Proc. Fast Reactor Information Meeting, Chicago, Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print. Off., p. 172-8 (1959).
Also abstracted in:
Summaries of Papers, p. 26. DTIE, 1957. (TID-7548)
(LA-DC-3414)
- Add-157 Bird, Paul F.
ABSORBANCE OF THE OH RADICAL IN A SPECIFIC WAVE-LENGTH INTERVAL NEAR 3090A.
Thesis, Univ. of New Mexico, DTIE, 1961, 127 p.
(TID-12,909) (LA-DC-4878)
- Add-158 Bivins, Robert L., Frank, Robert M., and Gammel, John L.
ELASTIC SCATTERING OF PROTONS AND NEUTRONS BY DEUTERONS.
DTIE, 1958, 38 p. (AECU-3767) (LA-DC-1996)
- Add-159 Blais, Normard C. and Bunker, Don L.
MONTE CARLO CALCULATION. II. THE REACTIONS OF ALKALI ATOMS WITH METHYL IODIDE.
Am. Chem. Soc. Abstracts of Papers 142, 14-5T (1962). (LA-DC-5349)
Also: 62-19
- Add-160 Boicourt, Grenfell P., and Kemp, Edwin L.
APPLICATION OF IGNITRONS AS SWITCHING DEVICES IN CONTROLLED FUSION RESEARCH.
DTIE, 1961, 11 p. (TID-11,638) (LA-DC-3998)

- Add-161 Boone, Irene U.
INCIDENCE OF TUMORS IN ANIMALS EXPOSED TO WHOLE-BODY RADIATION.
Proc. Symp. Delayed Effects Whole-Body Radiation, Johns Hopkins Univ., Bethesda, Md., Oct 29, 1959, Bernard B. Watson (ed). (Johns Hopkins Univ. Press) p. 19-37. (1960). (ORO-SP-127) (LA-DC-3779)
Also: 59-7A
- Add-162 Bowman, Melvin G.
BONDING URANIUM CARBIDE TO TANTALUM.
DTIE, 1959, 2 p. (AECU-4303) (LA-DC-6310)
- Add-163 Boyer, Keith, Hammel, Jay E., Longmire, Conrad, Nagle, Darragh E., Ribe, Fred L., and Riesenfeld, Werner B.
THEORETICAL AND EXPERIMENTAL DISCUSSION OF IXION, A POSSIBLE THERMONUCLEAR DEVICE.
Proc. Intern. Conf. Peaceful Uses At. Energy, 2nd Geneva 31, 319-24 (1958). (LA-DC-3390)
- Add-164 Brennan, James T., Harris, Payne S., Taylor, George W., Pinson, Ernest A., Carter, Robert E., Langham, Wright H., and Anderson, Ernest C.
CHANGE IN WEIGHT OF SPLEEN AND THYMUS OF THE MOUSE AFTER EXPOSURE IN A THERMAL-NEUTRON COLUMN.
Scientific Director's Report of Atomic Weapon Tests at Eniwetok, 1951. Annex 2.2. Control Studies Performed in the United States and at Eniwetok. Parts I, II, IV, and VI, p. 21-40. LASL, et al, 1951, Decl. 1962. (WT-18)
(LA-DC-NN-226)
- Add-165 Briscoe, William L.
DIGITAL Q METER.
DTIE, 1960, 6 p. (TID-6024) (LA-DC-4339)
- Add-166 Brixner, Berlyn B.
IMPROVED f/10 SWEEPING-IMAGE CAMERA: A VERSATILE MODEL FOR EXPLOSIVE RESEARCH.
Proc. Intern. Congr. High-Speed Photography, 5th, Washington, D.C., Oct 16-22, 1960, p. 309-17. Soc. Motion Picture Television Engineers (1962).
(LA-DC-4185)
Also: 61-36

- Add-167 Brixner, Berlyn B.
 MEASUREMENT AND CORRECTION OF ASTIGMATIC IMAGES IN
 ROTATING-MIRROR SWEEPING-IMAGE CAMERAS.
 Proc. Intern. Congr. High-Speed Photography, 3rd,
 London, Sept. 10-15, 1956. (London, Butterworths)
 p. 319-23. (1957). DTIE, 1958. (AECU-3868)
 (LA-DC-2399)
- Add-168 Brixner, Berlyn B.
 SIMPLE SWEEPING-IMAGE CAMERA (CHRONOGRAPH) WITH 10^{-8}
 SECOND RESOLUTION.
 Proc. Intern. Congr. High-Speed Photography, 3rd,
 London, Sept. 10-15, 1956. (London, Butterworths)
 p. 289-93. (1957). (LA-DC-2206)
- Add-169 Brueckner, Keith A., and Gammel, John L.
 PROPERTIES OF LIQUID He³ AT LOW TEMPERATURES.
 Proc. Symp. Solid Liquid Helium Three, Ohio State
 Univ., Aug. 1957, p. 186-96. Air Force Office
 of Scientific Res., 1958. (AFOSR-TR-57-78)
 (LA-DC-2937)
 Also: 58-35
- Add-170 Brundige, Edward L., Taub, James M., Hanks, Gale S.,
 and Doll, Denton T.
 WELDING THIN-WALLED URANIUM CYLINDERS.
 Minutes, A.E.C. Welding Conf., 7th, Chicago,
 Nov. 6-8, 1957, p. 181-91. DTIE, 1958, 14 p.
 (TID-7562 and TID-8019) (LA-DC-3009)
- Add-171 Bussard, Robert W.
 FISSION FRAGMENT IONIZATION AND ELECTRICAL POWER
 PRODUCTION.
 DTIE, 1958, 11 p. (AECU-3661) (LA-DC-2802)
- Add-172 Bussard, Robert W., and Durham, Franklin P.
 HEAT TRANSFER CHARACTERISTICS OF GRAPHITE PLATES
 WITH HYDROGEN COOLANT.
 DTIE, 1958, 88 p. (AECU-4259) (LA-DC-2936)
- Add-173 Bussard, Robert W.
 NUCLEAR-ELECTRIC PROPULSION.
 DTIE, 1959, 11 p. (AECU-4250) (LA-DC-2460)

- Add-174 Byers, Cleo C.
 GRAPHITE-MODERATED, GRAPHITE-REFLECTED CRITICAL ASSEMBLIES.
 Proc. French-American Conf. Graphite Moderated Reactors, Brookhaven Nat. Lab., Nov. 12-15, 1957, p. 297-302. Brookhaven Nat. Lab., 1958. (BNL-489) DTIE, 1958, 12 p. (AECU-3605) (LA-DC-3067)
- Add-175 Callihan, Alfred Dixon, Ozeroff, William John, Paxton, Hugh C., and Schuske, Clarence Lee.
 NUCLEAR SAFETY GUIDE.
 DTIE, 1958, 29 p. (TID-7016) (LA-DC-6277)
 Also: DTIE, 1961, 24 p. (TID-7016, Rev. 1)
- Add-176 Carlson, Bengt G.
 S_n METHOD AND SNG CODES.
 DTIE, 1958, 63 p. (AECU-3691) (LA-DC-3818 and LAMS-2201)
- Add-177 Carlson, Bengt G., Bell, George I., Goad, Walter B., Hansen, Gordon E., Kiehn, Robert M., Mills, Carroll B., Wendroff, Burton, Hurd, C. C., and Kolsky, Harwood G.
 SOLUTION OF THE TRANSPORT EQUATION BY THE S_n METHOD.
 Proc. Intern. Conf. Peaceful Uses At. Energy, 2nd Geneva 16, 535-49 (1958). (LA-DC-3323)
- Add-178 Carmichael, Byron M., and Battat, Morris E.
 CONTROL ROD WORTHS vs TEMPERATURE IN LAPRE-I.
 Proc. Reactor Control Meeting, Los Angeles, Mar. 6-8, 1957, p. 125-37. DTIE, 1957. (TID-7532, Pt. 1) (LA-DC-2805)
- Add-179 Carter, Robert E., Anderson, Ernest C., Brennan, James T., Harris, Payne S., Langham, Wright H., Pinson, Ernest A., Schuch, Robert L., Taylor, George W., and Trujillo, Theodore T.
 CHANGE IN WEIGHT OF SPLEEN AND THYMUS OF THE MOUSE AFTER EXPOSURE TO X RAYS.
 Scientific Director's Report of Atomic Weapon Tests at Eniwetok, 1951. Annex 2.2. Control Studies Performed in the United States and at Eniwetok. Parts I, II, IV, and VI, p. 1-20. LASL, et al, 1951, Decl. 1962. (WT-18) (LA-DC-NN-227)

- Add-180 Carter, Robert E., Reines, Frederick, Wagner, John J.,
and Wyman, Marvin Eugene.
FREE ANTINEUTRINO ABSORPTION CROSS SECTION. Part 2.
EXPECTED CROSS SECTION FROM MEASUREMENTS OF FISSION
FRAGMENT SPECTRUM.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 30, 260-7 (1958). (LA-DC-3369b)
Also: 59-40
- Add-181 Comstock, A. Allen.
CORRELATION OF THE MAGNETIC SUSCEPTIBILITIES OF
THORIUM, URANIUM, AND PLUTONIUM WITH CRYSTAL STRUCTURE.
DTIE, 1959, 37 p. (AECD-4276) (LA-DC-3683)
- Add-182 Conner, Jerry P.
TOTAL CROSS SECTIONS NEAR 14-MEV.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 13 (1958). (LA-DC-2822)
Also: 57-12A, 58-54
- Add-183 Coon, James H., Davis, Roland W., Felthouser, Harry E.,
and Nicodemus, David B.
ELASTIC SCATTERING OF 14.5-MEV NEUTRONS BY COMPLEX
NUCLEI.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 11-2 (1958). (LA-DC-3094)
- Add-184 Coon, James H. (comp.)
SOME RECENT RESULTS ON FAST NEUTRON CROSS SECTIONS.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 11-7 (1958). (LA-DC-3372)
- Add-185 Coon, James H., Bondelid, Rollon O., and Phillips, Donald
Davis.
TOTAL CROSS SECTIONS OF TRITIUM, HYDROGEN, AND HELIUM
FOR FAST NEUTRONS.
DTIE, 1959, 12 p. (AECD-4284) (LA-1483 and LA-DC-1740)
- Add-186 Cooper, Ralph S.
LASL SCIENTIST REVEALS ULTIMATE WEAPON - NEUTRINO BOMB
LASL News 3, (14), 1 (July 13, 1961). (LA-DC-6276)
- Add-187 Cooper, Ralph S.
NEUTRINO BOMB.
Great Science Fiction by Scientists, Conklin, Groff
(ed) (Collier, New York), p. 99-100 (1962).
(LA-DC-6276)

- Add-188 Cooper, Ralph S.
NEW WORLD REVISITED.
Bull. At. Scient. 18, (4), 38-9 (1962). (LA-DC-6282)
- Add-189 Cooper, Ralph S.
NUCLEAR HEAT EXCHANGER ROCKETS.
DTIE, 1961, 18 p. (TID-12,564) (LA-DC-4781)
- Add-190 Cooper, Ralph S.
TRUTHS ARE STRANGER THAN FICTION. NEUTRINO BOMB
QUESTIONS CLARIFIED.
LASL Quart. Rev., Summer 1961, p. 15. (LA-DC-6276)
- Add-191 Cotter, Theodore P.
SOLAR SAILING.
DTIE, 1962, 49 p. (TID-14,051) (LA-DC-4952)
- Add-192 Cowan, George A.
NUCLEAR EXPLOSIONS AS NEUTRON SOURCES.
Proc Plowshare Symp., 2nd., San Francisco, May 13-15,
1959, Plowshare Series: Rept. no. 2, Part V:
Scientific Applications of Nucl. Explosives in
the Fields of Nucl. Phys., Seismology, Meteorology,
Space, p. 4-12. Lawrence Rad. Lab., Livermore,
1959. (UCRL-5679) (LA-DC-4241 and LAMS-2391)
- Add-193 Craig, Paul P.
TURBULENT VISCOSITY IN ROTATING He²
Intern. Conf. Low Temp. Phys., 8th, London, 1962.
Preprints of Papers, p. 22-4 (1962). (LA-DC-5318)
- Add-194 Crocker, Glen R., Lussow, Robert O., and Lyon, Luther L.
INTERPRETATION OF NITROGEN ABSORPTION ISOTHERMS OF
OXIDIZED CARBON BLACKS.
Proc. Conf. Carbon, 5th, University Park, Pennsylvania,
1961, p. 103-9. (1962). (LA-DC-4754)
- Add-195 Crowe, Warren E.
BLOWER REQUIREMENTS FOR THE ULTRA HIGH TEMPERATURE
REACTOR EXPERIMENT.
Proc. Rotating Machinery Gas-Cooled Reactor
Applications Meeting, Oak Ridge Nat. Lab., Apr. 2-4,
1962, p. 252-5. Oak Ridge Nat. Lab., 1962.
(TID-7631) (LA-DC-5291)

- Add-196 Crowe, Warren E.
SEAL PROBLEMS OF THE TURRET REACTOR EQUIPMENT.
Proc. Shaft Seals Compressors Turbines Gas Cooled
Reactor Applications Meeting, Oak Ridge Nat. Lab.,
Dec. 16-17, 1959, p. 183-5. Oak Ridge Nat. Lab.,
1960. (TID-7604) (LA-DC-5878)
- Add-197 Daub, Guido H., Hayes, F. Newton, and Sullivan, Elizabeth
(eds).
PROCEEDINGS OF THE UNIVERSITY OF NEW MEXICO CONFERENCE
ON ORGANIC SCINTILLATION DETECTORS, Albuquerque,
Aug. 15-17, 1960.
DTIE, 1960, 417 p. (TID-7612) (LA-DC-NN-228)
- Add-198 Diamond, Harry, Fields, Paul R., Stevens, C. S., Studier,
Martin H., Fried, Sherman M., Inghram, Mark G., Hess,
David C., Pyle, Gray L., Mech, J. F., Manning, Winston M.,
Ghiorso, Albert, Thompson, Stanley G., Higgins, Gary H.,
Seaborg, Glenn T., Browne, Charles I., Smith, H. Louise,
and Spence, Roderick W.
HEAVY ISOTOPE ABUNDANCES IN MIKE THERMONUCLEAR DEVICE.
Phys. Rev. 119, 2000-4 (1960). (LA-DC-6175)
- Add-199 Dickinson, James M.
HIGH TEMPERATURE RESISTANCE FURNACE FOR OPERATIONS
AT 3000°C.
Trans. Nat. Symp. Vacuum Tech. 5th, San Francisco,
Oct. 22-24, 1958. (Pergamon Press, New York)
p. 192-7. (1959). DTIE, 1959, 17 p. (AECU-4131)
(LA-DC-3572)
- Add-200 Diven, Ben C., Hemmendinger, Arthur, and Terrell, James.
RADIATIVE CAPTURE OF FAST NEUTRONS.
Prog. Nucl. Energy Ser. I. Phys. Math. 3, 125-32
(1959).
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 60-5 (1958). (LA-DC-3378)
Also: 59-24A, 60-64
- Add-201 Dreicer, Harry and Mjølness, Raymond C.
EXCITATION OF INSTABILITIES BY RUN-AWAY ELECTRONS.
(Abstract)
Proc. Conf. Theoretical Aspects Controlled Fusion
Res., Gatlinburg, Tenn., Apr. 27-28, 1959, p. 147.
DTIE, 1959. (TID-7582 and ORNL-2805) (LA-DC-3784)

- Add-202 Dreicer, Harry.
THEORY OF RUNAWAY ELECTRONS.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 31, 57-64 (1958). (LA-DC-3355)
Also: 58-14A, Add-34
- Add-203 Dropesky, Bruce J., and Orth, Charles J.
SUMMARY OF THE DECAY OF SOME FISSION PRODUCT TIN AND
ANTIMONY ISOTOPES.
J. Inorg. Nucl. Chem. 24, 1301-16 (1962).
(LA-DC-5217)
- Add-204 Dummer, Jerome E., Jr.
EVALUATION OF Sr⁹⁰ + Y⁹⁰ SURFACE CONTAMINATION USING
RADIATION SURVEY INSTRUMENTS.
Thesis, Univ. of New Mexico, DTIE, 1959, 36 p.
(TID-11,445) (LA-DC-4467)
- Add-205 Dunaway, Robert E.
NEUTRONS FROM HIGH CURRENT GASEOUS DISCHARGES.
DTIE, 1959, 32 p. (AECD-4272) (LA-DC-2943)
Also: 58-75
- Add-206 Edwards, Paul D.
LEAK, THERMAL AND SURFACE TEST METHODS.
Proc. Symp. Nondestructive Testing Trends AEC
Reactor Program, AEC Headquarters Bldg., Germantown,
Md., May 20, 1960, p. 55-64. DTIE, 1961. (TID-7600)
(LA-DC-4353)
- Add-207 Elliott, Dana E.
ROLE OF THE NONDESTRUCTIVE TESTING ENGINEER IN DESIGN
AND SPECIFICATIONS.
DTIE, 1960, 26 p. (TID-6006) (LA-DC-4196)
- Add-208 Elliott, Guy R. B., and Lemons, Joe Fred.
LIQUID STRUCTURE IN PORTIONS OF THE Au-Cd SYSTEM AS
INDICATED BY ISOPIESTIC BALANCE MEASUREMENTS.
J. Electrochem. Soc. 109, 76C (1962). (LA-DC-5168)
- Add-209 Engle, Leon B.
CRITICAL MASSES OF MILDLY DILUTED U²³⁵ SYSTEMS DERIVED
FROM RELATIVITY CONTRIBUTION DATA.
DTIE, 1957, 11 p. (AECD-4245) (LA-DC-2421)

- Add-210 Evans, John H.
SUBORDINATION IN COMPLEX VARIABLE THEORY AND A THEOREM
ON MINIMAL SURFACES.
Thesis, Univ. of California at Los Angeles,
DTIE, 1957, 15 p. (AECU-3434) (LA-DC-2804)
- ADD-211 Feber, Roy C., Dresback, Shirley N., and Rupert, George N.
MEASUREMENT OF THERMAL EXPANSION OF METALS BY A
MICROWAVE TECHNIQUE.
DTIE, 1962, 39 p. (TID-5989) (LA-DC-4163)
- Add-212 Freed, J. Arthur
EXPERIMENTAL RESULTS FROM SOVIET SATELLITE FLIGHTS.
A Preliminary Bibliography, Sept. 1, 1961. DTIE,
1962, 11 p. (TID-15,207) (LA-DC-NN-229)
- ADD-213 Frye, Glenn M., Jr., Gammel, Juanita H., and Rosen, Louis.
ENERGY SPECTRUM OF NEUTRONS FROM THERMAL NEUTRON
FISSION OF U²³⁵ AND FROM UNTAMPED MULTIPLYING ASSEMBLY
OF U²³⁵.
DTIE, 1957, 18 p. (TID-10,073) (LA-DC-2617)
- Add-214 Gammel, John L., and Stewart, Leona.
p-He⁴ INTERACTIONS.
Proc. Symp. Polarization Processes Below 50 MeV,
Rutherford High Energy Lab., Harwell, Didcot,
Berks., Eng., Oct. 1961, p. 23-8. National Inst.
for Research in Nuclear Science, 1961. (NIRL/R/16)
(LA-DC-6249)
- Add-215 Gibson, William B.
PRELIMINARY INVESTIGATIONS INTO THE PREPARATION OF
EXTRUDED GRAPHITE.
DTIE, 1958, 24 p. (AECU-4260) (LA-DC-3265)
- Add-216 Gilbert, Homer Eugene.
FAST NEUTRON SCATTERING FROM THICK, PLANE SLABS OF
CONCRETE, ALUMINUM AND WATER.
Thesis, Vanderbilt Univ., DTIE, 1959, 82 p.
(AECU-4129) (LA-DC-3523)
Also: 58-243
- Add-217 Gilland, Jerry R., Greenwood, Arthur H., and Watts, Richard J.
MODEL-3A TRANSISTORIZED 100-CHANNEL ANALYZER.
Proc. Tripartite Conf., 6th, Chalk River, Ont.,
Canada, Apr. 20-24, 1959, Part 4. Instruments for
Nucl. Phys. p. 194-201. Atomic Energy of Canada,
Ltd., 1959. (AECL-804) (LA-DC-3765)

- Add-218 Giorgi, Angelo L., Szklarz, Eugene G., Storms, Edmund K.,
and Bowman, Allen L.
INVESTIGATION OF Ta₂C, Nb₂C, AND V₂C FOR SUPER-
CONDUCTIVITY.
Phys. Rev. 129, 1524-5 (1962). (LA-DC-5495)
- Add-219 Goad, Walter B.
STUDY OF LERMAN'S MODEL FOR DIFFUSION AND CAPTURE
OF EXCITATIONS IN DNA.
Sym. Appl. Math., AMS 14, 101-4 (1962).
(LA-DC-4902)
- Add-220 Goad, Walter B.
VARIANT OF THE BETHE-GOLDSTONE EQUATION.
DTIE, 1962, 7 p. (TID-11,120) (LA-DC-4607)
- Add-221 Godfrey, Lois E.
AIR-GAS TURBINES OF SMALL SIZE, CHIEFLY THOSE USED
FOR AUTOMOTIVE APPLICATIONS, 1948-1957.
DTIE, 1962, 28 p. (TID-15,413) (LA-DC-NN-230)
- Add-222 Godfrey, Lois E.
EFFECTS OF ULTRASONIC ENERGY ON METALS AND ALLOYS,
A Bibliography, 1957.
DTIE, 1962, 29 p. (TID-15,414) (LA-DC-NN-231)
- Add-223 Godfrey, Lois E.
ELECTRODE POTENTIAL OF ZERO CHARGE (ABSOLUTE ELECTRODE
POTENTIAL) A Bibliography, June 1957.
DTIE, 1962, 10 p. (TID-15,416) (LA-DC-NN-232)
- Add-224 Goldstein, Louis.
ON THE LIQUID-SOLID PHASE TRANSFORMATION IN HELIUM
THREE.
Helium Three, Proc. Symp. Liquid Solid Helium
Three, 2nd., Ohio State Univ., Aug. 1960, John
G. Daunt (ed). (Ohio State Univ. Press) p. 131.
(1960). (LA-DC-4351)
- Add-225 Goldstein, Louis.
ON THE THEORY OF LIQUID He³.
Proc. Symp. Solid Liquid Helium Three, Ohio State
Univ., Aug. 1957, p. 57-73. Air Force Office
of Scientific Research, 1958. (AFOSR-TR-57-78)
(LA-DC-1739)

- Add-226 Goodier, Benjamin G.
 METHOD OF MEASURING TEMPERATURE CHANGES CAUSED BY
 STRONG SHOCK PHENOMENA.
 Thesis, Univ. of New Mexico, DTIE, 1962, 98 p.
 (TID-12,894) (LA-DC-4817)
- Add-227 Goodman, Albert.
 ISOMERISM IN BROMINE NUCLEI.
 Thesis, Univ. of New Mexico, 1960, DTIE, 1961,
 80 p. (TID-12,629) (LA-DC-4416)
- Add-228 Graves, Glen A., Hansen, Gordon E., and Wood, David P.
 USE OF LOS ALAMOS CRITICAL ASSEMBLY FACILITIES IN
 A NUCLEAR TRAINING PROGRAM.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 1, 332-6 (1958). (LA-DC-3197)
- Add-229 Green, Alex E. S.
 WEIZSACKER MASS FORMULA AND NUCLEAR SIZES AND FORCES.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 14, 46-53 (1958). (LA-DC-3336)
- Add-230 Green, Walter V., and Ready, Thomas J.
 DISPERSION STRENGTHENING OF MOLYBDENUM AT HIGH
 TEMPERATURES.
 DTIE, 1962, 3 p. (TID-11,173) (LA-DC-4637)
- Add-231 Grilly, Edward R., Sydoriak, Stephen G., and Mills, Robert L.
 ANOMALIES IN PVT RELATIONS FOR He³ NEAR ITS MELTING
 CURVE.
Helium Three, Proc. Symp. Liquid Solid Helium
 Three, 2nd., Ohio State Univ., Aug. 1960, John
 G. Daunt (ed). (Ohio State Univ. Press) p. 121-5
 (1960). (LA-DC-4330)
 Also: 60-245, 61-169
- Add-232 Grundl, James A., Korbitz, Frederick W., and Lindsey, Betty A.
 HYDRO CRITICAL ASSEMBLY.
 DTIE, 1957, 23 p. (AECU-3509) (LA-DC-2601)
- Add-233 Grundl, James A., Henkel, Richard L., and Perkins, Roger B.
 $p^{31}(n,p)Si^{31}$ AND $Al^{27}(n,\alpha)Na^{24}$ CROSS SECTIONS.
 Proc. ANP Spectroscopy Information Meeting, Wright
 Air Development Center, Aug. 6-7, 1957, p. 214-23.
 Wright Air Development Center, 1958. (WADC-TN-57-298,
 Pt. 1, and AD-142,342) (LA-DC-3018)
 Also: 58-106

- Add-234 Guevara, Francisco A., Potter, Robert M., and Wageman, William E.
ABSOLUTE MASS RATE FLOWMETER.
DTIE, 1959, 9 p. (AECU-4249) (LA-DC-3660 and LA-2812)
- Add-235 Haddad, Eugene.
 $B^{11}(\alpha, n)N^{14}$ REACTION.
Thesis, Univ. of Utah, DTIE, 1959, 129 p. (AECU-4126) (LA-DC-2914)
Also: 57-22A
- Add-236 Haddad, Eugene, Perry, Joseph E., Jr., and Smith, Ronald K.
STUDY OF THE $B^{11}(\alpha, n)N^{14}$ REACTION.
Proc. Intern. Conf. Peaceful Uses At. Energy, 2nd Geneva 15, 1517 (1958). (LA-DC-2914)
Also: 57-22A
- Add-237 Hakkila, E. Arnold and Waterbury, Glenn R.
APPLICATIONS OF X-RAY ABSORPTION ANALYSIS.
DTIE, 1962, 17 p. (LA-DC-5198)
- Add-238 Hall, David B.
LOS ALAMOS SCIENTIFIC LABORATORY FAST REACTOR PROGRAM.
Proc. Fast Reactor Information Meeting, Chicago, Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print. Off. p. 9-11 (1959).
Also abstracted in:
Summaries of Papers, p. 3. DTIE, 1957. (TID-7548) (LA-DC-3411)
- Add-239 Hall, David B.
PLUTONIUM FUELS FOR FAST REACTORS.
Proc. Intern. Conf. Peaceful Uses At. Energy, 2nd Geneva 13, 300-6 (1958). (LA-DC-3388)
- Add-240 Hammel, Edward F., Jr.
COMPARISON OF EXPERIMENTAL PROPERTIES WITH THEORETICAL PREDICTIONS FOR LIQUID HELIUM 3.
DTIE, 1962, 17 p. (TID-13,906) (LA-DC-4954)
- Add-241 Hammel, Edward F., Jr.
EXPERIMENTAL RESULTS ON PURE LIQUID He³.
Proc. Symp. Solid Liquid Helium Three, Ohio State Univ., Aug. 1957, p. 1-10. Air Force Office of Scientific Res., 1958. (AFOSR-TR-57-78) (LA-DC-2958)

- Add-242 Hammel, Edward F., Jr.
 LIQUID He³ - EXPERIMENTAL RESULTS.
Helium Three, Proc. Symp. Liquid Solid Helium
 Three, 2nd., Ohio State Univ., Aug. 1960, John G.
 Daunt (ed). (Ohio State Univ. Press) p. 6-14.
 (1960). (LA-DC-4569)
- Add-243 Hammond, R. Philip.
 ADVANCED PLUTONIUM REACTOR CONCEPTS.
 Proc. Fast Reactor Information Meeting, Chicago,
 Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print.
 Off. p. 238-47 (1959).
 Also abstracted in:
 Summaries of Papers, p. 35. DTIE, 1957. (TID-7548)
 (LA-DC-3415)
- Add-244 Hammond, R. Philip.
 LOS ALAMOS HOMOGENEOUS REACTOR PROGRAM.
 Proc. HRP Civilian Power Reactor Conf., Oak Ridge,
 Tenn., Mar. 21-22, 1956, p. 168-76. DTIE, 1957.
 (TID-7524) (LA-DC-5883)
- Add-245 Hanks, Gale S.
 CRITICAL STRAIN VALUE FOR ALPHA RECRYSTALLIZED ROLLED
 URANIUM STEEL.
 DTIE, 1958, 24 p. (AECD-4271) (LA-DC-2760)
- Add-246 Hanks, Gale S., Doll, Denton T., Taub, James M., and
 Brundige, Edward L.
 SOLDERING OF URANIUM.
 Minutes, A.E.C. Welding Conf., 7th, Chicago, Nov. 6-8,
 1957, p. 191-206. DTIE, 1958. (TID-7562)
 DTIE, 1958, 18 p. (TID-8018) DTIE, 1957, 30 p.
 (AECD-4247) (LA-DC-2991)
- Add-247 Hansen, Gordon E., Hoogterp, James C., Orndoff, John D.,
 and Paxton, Hugh C.
 CRITICAL ASSEMBLIES OF GRAPHITE AND ENRICHED URANIUM
 WITH BERYLLIUM REFLECTORS.
 Proc. French-American Conf. Graphite Moderated
 Reactors, Brookhaven Nat. Lab., Nov. 12-15, 1957,
 p. 291-6. Brookhaven Nat. Lab., 1958. (BNL-489)
 DTIE, 1958, 20 p. (AECU-3604) (LA-DC-3063)

- Add-248 Hansen, Gordon E.
 REACTIVITY COEFFICIENT DATA ON U²³³ IN FAST CRITICAL ASSEMBLIES.
 Proc. Thorium - U²³³ Symp., Brookhaven Nat. Lab., Jan. 9-10, 1958, p. 75-6. Brookhaven Nat. Lab., 1958. (BNL-483) (LA-DC-NN-233)
- Add-249 Harris, Payne S.
 BOMBS, REACTORS AND CRITICAL ASSEMBLIES - THREE SOURCES OF RADIATION ACCIDENTS.
 DTIE, 1961, 8 p. (TID-12,623) (LA-DC-4702)
- Add-250 Harris, Payne S.
 FISSION-PRODUCT PROBLEM.
 Proc. Bio-Assay Anal. Chem. Meeting, 2nd., Los Alamos, N. Mex., Oct. 11-12, 1956, p. 106-11. Los Alamos Sci. Lab., 1957. (WASH-736) (LA-DC-NN-234)
- Add-251 Harris, Payne S.
 INITIAL NUCLEAR RADIATIONS AND THEIR BIOLOGICAL EFFECTS.
 DTIE, 1961, 14 p. (TID-12,620) (LA-DC-4741)
- Add-252 Harris, Soliska R., and Stearns, Helen S.
 BIBLIOGRAPHY OF NEUTRON YIELDS FROM THE REACTION p + T, d + D, AND d + T (1954 TO SEPTEMBER 1957).
 DTIE, 1959, 8 p. (AECU-4246) (LA-DC-NN-235)
- Add-253 Harris, Soliska R., and Stearns, Helen S.
 STATE PROPERTIES OF LIQUID AND SOLID XENON: A BIBLIOGRAPHY.
 DTIE, 1959, 14 p. (AECU-4247) (LA-DC-NN-236)
- Add-254 Hendrickson, Ruth M.
 BIBLIOGRAPHY ON METHODS OF PRODUCING AEROSOLS, VAPORS, AND GASES AT TEST ATMOSPHERES. May 20, 1958.
 DTIE, 1958, 44 p. (AECU-3915) (LA-DC-NN-237)
- Add-255 Hendrickson, Ruth M.
 BIBLIOGRAPHY ON SPACE MEDICINE.
 DTIE, 1958, 47 p. (AECU-3914) (LA-DC-NN-238)
- Add-256 Hendrickson, Ruth M.
 BIBLIOGRAPHY ON THERAPY OF RADIATION INJURY.
 DTIE, 1959, 14 p. (AECU-4145) (LA-DC-NN-239)

- Add-257 Hendrickson, Ruth M.
EFFECTS OF RADIATION IN TUBERCULOSIS.
DTIE, 1959, 24 p. (AECU-4011) (LA-DC-NN-240)
- Add-258 Hendrickson, Ruth M.
FIELD DISTRIBUTION.
DTIE, 1959, 155 p. (AECU-4248) (LA-DC-NN-241)
- Add-259 Henkel, Richard L., Nobles, Ralph A., and Smith, Ronald K.
NEUTRON-INDUCED FISSION CROSS SECTIONS OF Pu²⁴⁰.
DTIE, 1958, 2 p. (AECU-4256) (LA-DC-2125)
- Add-260 Hill, David L.
DYNAMICS OF NUCLEAR FISSION.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 244-7 (1958). (LA-DC-3410)
- Add-261 Hoerlin, Bettina.
PERTURBATION EFFECTS ON ELECTROMAGNETIC CAVITY
RESONATORS, 1941-1957.
DTIE, 1962, 36 p. (TID-15,417) (LA-DC-NN-242)
- Add-262 Hoffman, C. Gordon.
SOME PRELIMINARY METALLOGRAPHIC STUDIES OF MATERIALS
FOR USE ABOVE 2500°C.
DTIE, 1962, 13 p. (TID-11,432) (LA-DC-4259)
- Add-263 Hoffman, Marvin M.
SOME PHYSICS EXPERIMENTS DEPENDENT UPON INTENSE SHORT
DURATION NEUTRON PULSES.
Proc. Plowshare Symp., 2nd., San Francisco, May
13-15, 1959, Plowshare Series: Rept. no. 2,
Part V: Scientific Applications of Nucl. Explosives
in the Fields of Nucl. Phys., Seismology, Meteorology,
Space, p. 24-9. Lawrence Rad. Lab., Livermore,
1959. (UCRL-5679) (LA-DC-NN-243)
- Add-264 Holladay, John C.
COMPUTER DESIGN OF OPTICAL-LENS SYSTEM (IBM 704).
Proc. Computer Applications Symp., 7th, Chicago,
Oct. 26-27, 1960. (New York, Macmillan Co., for
Armour Res. Foundation) p. 112-27. (1961).
(LA-DC-6251)
- Add-265 Holley, Charles E., Jr.
PARTITION OF OXYGEN BETWEEN SODIUM AND TANTALUM.
DTIE, 1958, 8 p. (AECU-3519) (LA-DC-2947)

- Add-266 Hoogterp, James C., and Orndoff, John D.
 CRITICAL MEASUREMENTS FOR THE KIWI-A NUCLEAR PROPULSION
 TEST REACTOR.
 DTIE, 1961, 45 p. (TID-12,619) (LA-DC-4757)
 Also: 61-23A
- Add-267 Hopkins, John R.
 BERYLLIUM OXIDE WORK AT LOS ALAMOS SCIENTIFIC LABORATORY.
 Proc. Beryllium Oxide Meeting, Oak Ridge Nat. Lab.,
 Dec. 1-2, 1960, p. 27-28. DTIE, 1961. (TID-7602, Pt. 1)
 and DTIE, 1961. (TID-7602, Pt. 1, Rev.)
 (LA-DC-4645)
- Add-268 Hutchinson, John P., and Christenson, Conard W.
 TREATMENT OF RADIOACTIVE WASTES BY CHEMICAL PRECIPITATION
 AND ION EXCHANGE AT LOS ALAMOS.
 DTIE, 1961, 18 p. (TID-11,048) (LA-DC-4601)
- Add-269 Iskenderian, Haig Parnag and Byers, Cleo C.
 PHYSICS CALCULATIONS ON FOUR LOS ALAMOS GRAPHITE
 MODERATED CRITICAL ASSEMBLIES. (Abstract)
 Trans. Am. Nucl. Soc. 1 (1), 149-50 (1958).
 (LA-DC-6250)
- Add-270 Jacks, Gordon L., and Zimmerman, George C.
 RADIOLOGICAL SAFETY, Nov. 15, 1958.
 DTIE, 1959, 48 p. (WT-1685) (LA-DC-NN-244)
- Add-271 Jacobson, Jack D., and Wood, William W.
 MONTE CARLO CALCULATION OF THE HARD SPHERE EQUATION
 OF STATE, PROGRESS REPORT, Aug. 18, 1958.
 DTIE, 1961, 25 p. (TID-11,115) (LA-DC-2980)
 Also: 57-197
- Add-272 James, Dean B., and Christensen, Eldon L.
 ANION-EXCHANGE SEPARATION OF PLUTONIUM AND THORIUM.
 (Abstract)
 Trans. Am. Nucl. Soc. 5, 459-60 (1962). (LA-DC-5191)
- Add-273 Jaynes, George E.
 INDUCTION MELTING OF URANIUM METAL AND ALLOYS UTILIZING
 UNCOOLED INDUCTION COILS.
 Proc. Metallurgy Information Meeting, Oak Ridge
 Nat. Lab., Apr. 11-13, 1955, p. 252-74. DTIE,
 1960. (TID-7502, Pt. 1, Del. 2) (LA-DC-5880)

- Add-274 Johnson, William S., Hyatt, Edwin C., and Schulte, Harry F.
 REPORT OF THE ADVISORY PERSONNEL TO THE AIR-SAMPLING
 PROGRAM. OPERATION TUMBLER-SNAPPER.
 Los Alamos Sci. Lab., 1953, Decl. Apr. 22, 1959,
 120 p. (WT-566) (LA-DC-NN-245)
- Add-275 Jones, Llewellyn H.
 NATURE OF BONDING IN METAL CARBONYLS AS DETERMINED
 FROM THEIR VIBRATIONAL SPECTRA.
 DTIE, 1962, 21 p. (LA-DC-5304)
- Add-276 Jones, Thomas I.
 METALLOGRAPHY OF CERTAIN HOT PRESSED CARBIDES POSSESSING
 HIGH MELTING POINTS.
 Tech. Papers Metallographic Group Meeting, 11th,
 Bridgeport Brass Co., Nov. 7-8, 1956, p. 32-45.
 DTIE, 1959. (TID-7567, Pt. 1) (LA-DC-2611)
- Add-277 Jordan, Harry S.
 AIR CLEANING COSTS - A STUDY OF THREE SYSTEMS.
 Proc. A.E.C. Air Cleaning Conf., 5th, Harvard
 Air Cleaning Lab., June 24-27, 1957, p. 98-107.
 DTIE, 1958. (TID-7551) (LA-DC-2908)
- Add-278 Jordan, Harry S., and Welty, Carl G.
 VENTURI SCRUBBER INSTALLATION FOR THE REMOVAL OF
 FISSION PRODUCTS FROM AIR.
 Proc. A.E.C. Air Cleaning Conf., 6th, Idaho Falls,
 July 7-9, 1959, p. 219-27. DTIE, 1960. (TID-7593)
 (LA-DC-3582)
 Also: 59-109
- Add-279 Journey, Edward T., Hall, Jane H., Hall, David B., Gage,
 Avery M., Godbold, Nat H., Sayer, Arthur R., and Swickard,
 Earl O., Jr.
 LOS ALAMOS FAST PLUTONIUM REACTOR, May 1954.
 DTIE, 1957, 144 p. (TID-10,048) (LA-1679 and
 LA-DC-2733)
- Add-280 Kazek, Paul D.
 NUMERICAL TREATMENT OF ONE-DIMENSIONAL NON-STEADY
 COMPRESSIBLE FLOWS.
 Thesis, Univ. of New Mexico, 1960. DTIE, 1961,
 66 p. (TID-11,501) (LA-DC-4519)

- Add-281 Keller, William E.
TEN YEARS OF LIQUID He³ RESEARCH, 1958.
DTIE, 1959, 16 p. (AECU-4132) (LA-DC-3588)
- Add-282 Kemme, Joseph E.
COMPONENTS - HIGH PURITY SODIUM SYSTEMS.
Proc. Fast Reactor Information Meeting, Chicago,
Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print.
Off., p. 229-33 (1959).
Also abstracted in:
Summaries of Papers, p. 34. DTIE, 1957. (TID-7548)
(LA-DC-3413)
- Add-283 Kemp, Edwin L.
DESIGN AND CONSTRUCTION OF CAPACITOR ENERGY STORAGE
SYSTEMS AT LOS ALAMOS.
Colloque Problemes Techniques Particuliers Recherches
Fusion Controlee, Fontenay aux Roses, Apr. 17-20,
1962. Abstracts of Papers. Groupe de Recherches
de l'Association EURATOM-CEA sur la Fusion, p. 83-4
(1962). (LA-DC-5257)
- Add-284 Kemp, Edwin L., and Putnam, Thomas M.
DESIGN AND DEVELOPMENT OF A TWELVE MILLION JOULE
CAPACITOR ENERGY STORAGE SYSTEM.
DTIE, 1962, 35 p. (TID-11,635) (LA-DC-3952)
- Add-285 Kemp, Edwin L.
HIGH POWERED SPARK GAP SWITCHES.
DTIE, 1960, 10 p. (TID-6670) (LA-DC-4138)
- Add-286 Kiehn, Robert M.
PROGRESS IN FREQUENCY RESPONSE MEASUREMENTS AT LOS
ALAMOS.
Proc. Conf. Transfer Function Measurements Reactor
Stability Analysis, Argonne Nat. Lab., May 2-3,
1960, p. 214-8. Argonne Nat. Lab., 1960. (ANL-6205)
(LA-DC-4337)
- Add-287 Kiehn, Robert M., King, L. D. Percival, Peterson, Rolf E.,
and Swickard, Earl O., Jr.
PROPOSAL FOR A ONE MEGAWATT REACTOR EXPERIMENT
UTILIZING A MOLTEN PLUTONIUM FUEL.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 9, 411-4 (1958). (LA-DC-3333)

- Add-288 King, L. D. Percival.
LOS ALAMOS HOMOGENEOUS REACTOR PROGRAM.
Proc. HRP Civilian Power Reactor Conf., Oak Ridge,
Tenn., Mar. 21-22, 1956, p. 177-209. DTIE, 1957.
(TID-7524) (LA-DC-5884)
- Add-289 King, L. D. Percival.
SUMMARIZING REMARKS.
Proc. Idaho Conf. Reactor Kinetics, Sun Valley,
Oct. 12-14, 1960, p. 322-3. Phillips Petroleum
Co., 1962. (IDO-16,791) (LA-DC-6375)
- Add-290 Kircher, John A.
PRESENT STATUS OF U²³³ PURIFICATION AND METAL PRODUCTION
AT LASL.
Proc. Thorium - U²³³ Symp., Brookhaven Nat. Lab.,
Jan. 9-10, 1958, p. 164. Brookhaven Nat. Lab.,
1958. (BNL-483) (LA-DC-NN-246)
- Add-291 Knight, Herbert T.
ON THE HEATS OF FORMATION OF C₃ AND LARGER CARBON
MOLECULES.
DTIE, 1961, 25 p. (TID-13,621) (LA-DC-5000)
- Add-292 Krikorian, Nerses H., Witteman, Willard G., and Bowman,
Melvin G.
MUTUAL SOLID SOLUBILITY OF HAFNIUM CARBIDE AND URANIUM
MONOCARBIDE.
J. Electrochem. Soc. 109, 78C (1962). (LA-DC-5180)
- Add-293 Kruse, Herald W., and Schardt, Alois W.
LIQUID XENON SCINTILLATION STUDIES.
Proc. Total Absorption Gamma-Ray Spectrometry
Symp., Gatlinburg, Tenn., May 10-11, 1960, p. 131-9.
DTIE, 1960. (TID-7594) (LA-DC-4287)
- Add-294 Kulp, J. Laurence, Schulert, Arthur R., Hodges, Elizabeth J.,
Anderson, Ernest C., and Langham, Wright H.
STRONTIUM-90 AND CESIUM-137 IN NORTH AMERICAN MILK.
Science 133, 1768-70 (1961). (LA-DC-6272)
- Add-295 Langham, Wright H., Healy, John William, Foreman, Harry,
and Sanders, S. M., Jr.
PANEL DISCUSSION ON PLUTONIUM.
Proc. Bio-Assay Anal. Chem. Meeting, 2nd., Los
Alamos, N. Mex., Oct. 11-12, 1956, p. 77-105.
Los Alamos Sci. Lab., 1957. (WASH-736)
(LA-DC-NN-247)

- Add-296 Langham, Wright H., and Anderson, Ernest C.
 RADIATION EXPOSURE TO PEOPLE FROM NUCLEAR WEAPON TESTS THROUGH 1961.
 Hearings, Subcommit. Res. Develop. Rad., Joint Commit. At. Energy, 87th Congr., 2nd Sess., June 4-7, 1962, Radiation Standards, including Fallout, Pt. 1, p. 160-5. (LA-DC-5370)
- Add-297 Laquer, Henry L.
 REFRIGERATION OF MAGNET COILS.
 Proc. Symp. Magnetic Field Design Thermonucl. Res., Gatlinburg, Tenn., Dec. 11-12, 1958, p. 44-7. Oak Ridge Nat. Lab., 1959. (ORNL-2745) (LA-DC-3822)
- Add-298 Laquer, Henry L., Sydoriak, Stephen G., and Roberts, Thomas R.
 SOUND VELOCITY AND ADIABATIC COMPRESSIBILITY OF LIQUID He³.
 Proc. Symp. Solid Liquid Helium Three, Ohio State Univ., Aug. 1957, p. 15-20. Air Force Office of Scientific Res., 1958. (AFOSR-TR-57-78) (LA-DC-2937)
 Also: 58-35
- Add-299 Lawrence, James N. P.
 HEALTH PHYSICS ASPECTS OF HANDLING U²³³ FEED MATERIALS.
 Proc. Thorium - U²³³ Symp., Brookhaven Nat. Lab., Jan. 9-10, 1958, p. 175-8. Brookhaven Nat. Lab., 1958. (BNL-483) (LA-DC-3276)
- Add-300 Leachman, Robert B., and Sanman, Everett E.
 EFFECTS OF TARGET SPIN ON ANISOTROPY.
 Bull. Am. Phys. Soc. 6 (2), 373 (1961). (LA-DC-4800)
 Also: 62-150
- Add-301 Leachman, Robert B.
 FISSION PROCESS - MECHANISMS AND DATA.
 Proc. Intern. Conf. Peaceful Uses At. Energy, 2nd Geneva 15, 229-43 (1958).
 Prog. Nucl. Energy Ser. I. Phys. Math. 3, 144-70 (1959). (LA-DC-3141a)
- Add-302 Leitnaker, James M., Krikorian, Nerses H., and Bowman, Melvin G.
 HIGH TEMPERATURE POISONS.
 DTIC, 1962, 18 p. (TID-12,751) (LA-DC-4676)

- Add-303 Leland, Wallace T., and Olsen, Roy A.
 PRODUCTION OF IONS AT METALLIC SURFACES BOMBARDED
 BY ENERGETIC IONS.
 Proc. Atomic Molecular Beams Conf., Univ. of
 Denver, June 20-22, 1960, p. 293-328. Univ. of
 Denver and National Aeronautics and Space Administra-
 tion, 1961. (NP-9620) (LA-DC-4313)
- Add-304 Leland, Wallace T.
 TRITON INDUCED NUCLEAR REACTIONS.
 Compt. Rend. Congr. Intern. Phys. Nucl. Interactions
 Nucl. Basse Energies Structure Noyaux, Paris, July
 7-12, 1958, p. 484-95. Paris, Dunod (1959).
 (LA-DC-3466)
- Add-305 Linenberger, Gustave A.
 URANIUM CRITICAL ASSEMBLY AT LOW U^{235} CONCENTRATION.
 DTIE, 1959, 14 p. (AEC-4285) (LA-DC-2415)
- Add-306 Longmire, Conrad L., Tuck, James L., and Thompson,
 William Bell (eds).
 PLASMA PHYSICS AND THERMONUCLEAR REACTIONS.
 Prog. Nucl. Energy Ser. XI 1, (1958).
 (LA-DC-NN-248)
- Add-307 Longmire, Conrad L.
 STATIC PINCH.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 31, 84 (1958). (LA-DC-3351)
- Add-308 MacMillan, Donald P.
 MATERIALS PROBLEMS IN THE ROVER PROGRAM.
 DTIE, 1962, 27 p. (TID-11,429) (LA-DC-4210)
- Add-309 McWhan, Dennis B., Wallmann, James C., Cunningham, Burris B.,
 Asprey, Larned B., Ellinger, Finley H., and Zachariasen,
 William H.
 PREPARATION AND CRYSTAL STRUCTURE OF AMERICIUM METAL.
 J. Inorg. Nucl. Chem. 15, 185-7 (1960).
 (LA-DC-5921)
- Add-310 Mader, Charles L.
 IDEAL GAS THERMODYNAMIC PROPERTIES OF DETONATION
 PROPERTIES.
 DTIE, 1960, 206 p. (AECU-4508) (LA-DC-4132)

- Add-311 Mader, Charles L.
THERMODYNAMIC PROPERTIES OF DETONATION PROPERTIES.
DTIE, 1960, 57 p. (AECU-4508, Suppl.). (LA-DC-4132,
Suppl.)
- Add-312 Magee, John L.
MECHANISMS OF FRACTIONATION.
DTIE, 1959, 15 p. (M-7140) (LA-DC-2840)
- Add-313 Malmberg, Carol.
ABSTRACT BIBLIOGRAPHY ON LINEAR ACCELERATORS
(December 1928 - December 1957) (Excluding
Van de Graaff Generators and Cockcroft-Walton
Accelerators). DTIE, 1959, 84 p. (AECU-4009)
(LA-DC-NN-249)
- Add-314 Malmberg, Carol.
ABSTRACT BIBLIOGRAPHY ON STANDING WAVE LINEAR
ACCELERATORS (January 1946 through December 1957).
DTIE, 1959, 25 p. (AECU-4012) (LA-DC-NN-251)
- Add-315 Malmberg, Carol.
ABSTRACT BIBLIOGRAPHY ON TRAVELING WAVE LINEAR
ACCELERATORS (January 1946 to December 1957).
DTIE, 1959, 29 p. (AECU-4010) (LA-DC-NN-250)
- Add-316 Marion, Jerry B., Levin, Jules S., and Cranberg, Lawrence.
ELASTIC AND INELASTIC NEUTRON CROSS SECTIONS FOR
BERYLLIUM.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 13-5 (1958). (LA-DC-3682)
Also: 58-37A, 59-138
- Add-317 Marshall, John., Jr.
ACCELERATION OF PLASMA INTO VACUUM.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 31, 341-7 (1958). (LA-DC-3402)
- Add-318 Martin, Herbert C., Jr., and Bame, Samuel J., Jr.
ANGULAR DISTRIBUTION OF THE $\text{Li}^6(n,t)\text{He}^4$ REACTION.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 15, 15 (1958). (LA-DC-6202)

- Add-319 Martini, William R.
 FUEL HANDLING AND PROCESSING.
 Proc. Fast Reactor Information Meeting, Chicago,
 Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print.
 Off., p. 179-81 (1959).
 Also abstracted in:
 Summary of Papers, 27. DTIE, 1957. (TID-7548)
 (LA-DC-3412)
- Add-320 Mather, Joseph W., and Williams, Arthur H.
 NEUTRON PRODUCTION IN COLUMBUS II.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 32, 26-8 (1958). (LA-DC-3400)
 Also: 59-76A
- Add-321 Mathews, Clayton O.
 NOTE ON "METALLOGRAPHIC SPECIMEN MOUNTING ON CASTING
 RESIN."
 Tech. Papers, Metallographic Group Meeting, Sylvania
 Electric Products, Inc., May 7, 1953, p. 92-3.
 DTIE, 1953, Decl. 1959. (TID-5147 Del.)
 (LA-DC-5882)
- Add-322 Mathews, Everett R., Rex, Elgin H., Taylor, Robert L.,
 and Newell, John F.
 LABORATORY STUDIES PERTAINING TO THE TREATMENT OF TNT
 WASTE.
 DTIE, 1960, 19 p. (TID-6268) (LA-DC-1698)
- Add-323 Mellon, Edward K., Jr.
 REACTION BETWEEN U(IV) AND Ti(III) (Summer Report,
 August 31, 1960).
 DTIE, 1961, 10 p. (TID-11,466) (LA-DC-4525)
- Add-324 Metz, Charles F., Matlack, George M., and Waterbury, Glenn R.
 CHEMICAL ANALYSIS OF PLUTONIUM-RICH FAST REACTOR FUEL.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 28, 441-4 (1958). (LA-DC-3328)
- Add-325 Milligan, Morris F.
 CHEMICAL METHODS IN THE EVALUATION OF HUMAN CONTAMINATION.
 Proc. Symp. Tech. Methods Health Phys., Riso, Denmark,
 May 25-28, 1959, p. 102-9. DTIE, 1959. (TID-7577)
 (LA-DC-3753)

- Add-326 Mills, Carroll B.
REACTOR COMPUTING.
DTIE, 1962, 13 p. (LA-DC-4055)
- Add-327 Mills, Carroll B.
REACTOR TEMPERATURE.
DTIE, 1962, 17 p. (TID-13,139) (LA-DC-4938)
- Add-328 Mills, Robert L., and Grilly, Edward R.
PVT RELATIONS IN THE ^4He NEAR THE MELTING CURVE AND THE
 γ LINE.
Intern. Conf. Low Temp. Phys., 8th, London, 1962.
Preprints of Papers, p. 339-41 (1962). (LA-DC-5193)
Also: 62-94
- Add-329 Mills, Robert L., and Schuch, Adam F.
STRUCTURE OF THE γ -FORM OF SOLID He^3 .
Intern. Conf. Low Temp. Phys., 8th, London, 1962.
Preprints of Papers, p. 342-3 (1962). (LA-DC-5324)
Also: 62-248
- Add-330 Minshall, F. Stanley, Zukas, Eugene G., and Fowler, Clarence M.
PRESSURE OF THE SHOCK-INDUCED TRANSITION IN IRON-BASE
BINARY AND TERNARY ALLOYS OF CHROMIUM AND/OR NICKEL.
DTIE, 1961, 14 p. (TID-11,140) (LA-DC-4588)
- Add-331 Mitchell, Kenneth B.
IDENTIFICATION OF FIRST AND SECOND SPECTRA USING A
HOLLOW CATHODE DISCHARGE.
Atomic Spectroscopy Symp., Argonne Nat. Lab., June 7-9,
1961, Abstracts, Argonne Nat. Lab., p. 6 (1961).
(LA-DC-4845)
- Add-332 Mitchell, Kenneth B., and Steinhaus, David W.
PROMISING METHOD OF IDENTIFICATION OF SPECTRA USING
A HOLLOW-CATHODE DISCHARGE. (Abstract)
J. Opt. Soc. Am. 47, 118 (1957). (LA-DC-2541)
- Add-333 Moore, Roger H.
ON THE LEAST SQUARES ESTIMATION OF PARAMETERS IN NONLINEAR
MODELS.
DTIE, 1962, 54 p. (LA-DC-5399)
- Add-334 Mulford, Robert N. R.
REVIEW OF RARE-EARTH HYDRIDES.
DTIE, 1958, 8 p. (AECU-3813) (LA-DC-3223)

- Add-335 Newell, John F.
 METEOROLOGICAL PROGRAM, LOS ALAMOS SCIENTIFIC LABORATORY.
 Proc. A.E.C. Meteorological Information Meeting,
 Feb. 1-2, 1951, p. 16-17. DTIE, 1951, Decl. 1957.
 (TID-10,081) (LA-DC-5888)
- Add-336 Newman, Herbert J.
 MEASUREMENTS OF AVERAGE HEAT-TRANSFER COEFFICIENTS FOR
 HELIUM AND HYDROGEN FLOWING IN SMOOTH TANTALUM TUBES
 AT HIGH SURFACE TEMPERATURES.
 DTIE, 1960, 26 p. (AECU-4507) (LA-DC-3692)
- Add-337 Okrent, David, Satkus, D., Wells, Mark B., Cook, James M.,
 and Lazarus, Roger B.
 AX-1, A COMPUTING PROGRAM FOR COUPLED NEUTRONICS --
 HYDRODYNAMICS CALCULATIONS ON THE IBM-704.
 Argonne Nat. Lab., 1959, 115 p. (ANL-5997)
 (LA-DC-OR-358)
 Also: 59-17A
- Add-338 Olsen, Roy A.
 INVESTIGATION OF THE ENERGY LEVELS OF He⁶.
 Thesis, Univ. of New Mexico, DTIE, 1962, 47 p.
 (LA-DC-5388)
- Add-339 O'Rourke, John A., and Waber, James T.
 ORIENTATION OF OXIDE FILMS FORMED ON GAMMA PHASE URANIUM
 ALLOYS.
 J. Nucl. Mater. 7, 125-32 (1962). (LA-DC-4335)
- Add-340 Ott, Donald G.
 ADVANCES IN LIQUID SCINTILLATION COUNTING.
Radioisotopes in Agriculture, Proc. Oklahoma Conf.,
 Oklahoma State Univ., Stillwater, Okla., Apr. 2-3,
 1959, p. 49-59. DTIE, 1960. (TID-7578) (LA-DC-3815)
- Add-341 Parter, Seymour V.
 AN INTERESTING EXAMPLE IN THE THEORY OF STABILITY OF
 FINITE-DIFFERENCE EQUATIONS.
 Numer. Math. 4, 277-92 (1962). DTIE, 1962, 20 p.
 (TID-13,988) (LA-DC-4977)

- Add-342 Paxton, Hugh C.
CORRELATIONS OF EXPERIMENTAL AND THEORETICAL CRITICAL DATA.
Criticality Control in Chemical and Metallurgical Plant. Karlsruhe Symp., 1961. Paris, Organization for European Economic Co-operation and Development, p. 173-205. (1961) (LA-DC-4766)
- Add-343 Paxton, Hugh C.
POTENTIAL HAZARDS AND ACTUAL INCIDENTS IN THE CONSTRUCTION AND OPERATION OF CRITICAL FACILITIES.
Proc. Nucl. Energy Training Course Insurance Personnel, Chicago, Mar. 10-14, 1958, Sec. 10-1 (10 p.).
Nucl. Energy Liability Insurance Assoc., Mutual At. Energy Reinsurance Pool and Nucl. Energy Property Insurance Assoc. (1958). (LA-DC-NN-252)
- Add-344 Paxton, Hugh C.
PREDICTION OF SHAPE OF CRITICAL RADIATION BURSTS FROM GODIVA.
DTIE, 1962, 38 p. (TID-6759) (LA-DC-3878)
- Add-345 Peterson, Peter J., and Green, Jere L.
OPERATION OF A PLUTONIUM HOT CELL.
Proc. Conf. Hot Lab. Equip., 8th, San Francisco, Calif., Dec. 13-15, 1960, p. 297-305. DTIE, 1960. (TID-7599) (LA-DC-4541)
Also: 60-47A
- Add-346 Peterson, Rolf E.
LOS ALAMOS MOLTEN PLUTONIUM REACTOR EXPERIMENT I.
Proc. Symp. Sodium Reactors Tech. Lincoln, Neb., May 24-25, 1961, p. 52-62. DTIE, 1962. (TID-7623) (LA-DC-3961 and LA-2292)
- Add-347 Peterson, Rolf E.
REACTOR DESIGN AND ANALYSIS; LAMPRE I.
Proc. Fast Reactor Information Meeting, Chicago, Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print. Off. p. 108-17 (1959).
Also abstracted in:
Summaries of Papers, p. 18. DTIE, 1957. (TID-7548) (LA-DC-3416)
- Add-348 Phillips, John R.
CORROSION STUDIES.
DTIE, 1957, 13 p. (AECD-4248) (LA-DC-2982)

- Add-349 Plassman, Eugene A., and Wood, David P.
 CRITICALITY DATA ON METAL U^{233} SPHERICAL SYSTEMS.
 Proc. Thorium - U^{233} Symp., Brookhaven Nat. Lab.,
 Jan. 9-10, 1958, p. 73-4. Brookhaven Nat. Lab.,
 1958. (BNL-483) (LA-DC-4363)
 Also: 60-189
- Add-350 Putnam, Thomas M.
 SCYLLA IV ENERGY SYSTEM.
 Colloque Problemes Techniques Particuliers Recherches
 Fusion Controlee, Fontenay aux Roses, Apr. 17-20,
 1962. Abstracts of Papers. Groupe de Recherches
 de l'Association EURATOM-CEA sur la Fusion, p. 85-6
 (1962). (LA-DC-5258)
- Add-351 Quinn, Warren E., Little, Edward M., Ribe, Fred L., and
 Tuck, James L.
 PREIONIZED OPERATION OF SCYLLA.
 Bull. Am. Phys. Soc. 5 (2), 328 (1960). (LA-DC-4268)
 Also: 60-48A
- Add-352 Raynor, Geoffrey V., Harris, Rex, and Waber, James T.
 LOW TEMPERATURE LATTICE PARAMETERS OF THORIUM-CERIUM
 ALLOYS. (Abstract)
 J. Metals 14, 691 (1962). (LA-DC-5384)
- Add-353 Reed, Clyde Howard.
 ABSOLUTE $(n,2n)$, $(N,p\gamma)$, AND $(n,\alpha\gamma)$ CROSS SECTIONS FOR
 14.1-MEV NEUTRONS OF ZIRCONIUM AND THE CALIBRATION OF
 A CRYSTAL SCINTILLATION SPECTROMETER.
 Thesis, Univ. of Utah, DTIE, 1960, 245 p.
 (TID-11,929) (LA-DC-4220)
- Add-354 Reines, Frederick.
 APPLICATIONS OF GIANT SCINTILLATION DETECTORS.
 Proc. Conf. Organic Scintillation Detectors, Univ.
 of New Mexico, Albuquerque, Aug. 15-17, 1960, p.
 395-404. DTIE, 1960. (TID-7612) (LA-DC-2989)
 Also: 58-212
- Add-355 Reines, Frederick and Cowan, Clyde L., Jr.
 FREE ANTINEUTRINO ABSORPTION CROSS SECTION. Part I.
 MEASUREMENT OF THE CROSS SECTION BY PROTONS.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 30, 253-60 (1958) (LA-DC-3369a)
 Also: 59-162

- Add-356 Ribe, Fred L.
MAGNETIC FIELD PROBLEM ASSOCIATED WITH THE LOS ALAMOS
THERMONUCLEAR EXPERIMENTS.
Proc. Symp. Magnetic Field Design Thermonucl. Res.,
Gatlinburg, Tenn., Dec. 11-12, 1958, p. 79-86.
Oak Ridge Nat. Lab., 1959. (ORNL-2745) (LA-DC-3841)
- Add-357 Riese, Gretchen R.
ANALYTICAL METHODS FOR RADIOSTRONTIUM ESPECIALLY APPLI-
CABLE TO ANALYSIS OF ORGANIC MATERIAL, 1950-1955.
DTIE, 1962, 16 p. (TID-15,415) (LA-DC-NN-253)
- Add-358 Riese, Gretchen R.
BIBLIOGRAPHY OF GAS SCINTILLATION COUNTERS, 1949-
July 1957.
DTIE, 1959, 5 p. (AECU-4245) (LA-DC-NN-254)
- Add-359 Riese, Gretchen R., and Hendrickson, Ruth M.
BIBLIOGRAPHY ON RESPIRATORS. Jan. 7, 1958.
DTIE, 1959, 31 p. (AECU-4144) (LA-DC-NN-255)
- Add-360 Riese, Gretchen R.
BIBLIOGRAPHY ON THE TOXICOLOGY OF BERYLLIUM. Jan. 2,
1957.
DTIE, 1959, 40 p. (AECU-4143) (LA-DC-NN-256)
- Add-361 Riese, Gretchen R.
PRODUCTION OF HIGH CURRENT ELECTRON BEAMS, ELECTRON
GUNS, AND ELECTRON OPTICS OF HIGH CURRENT ELECTRON
BEAMS.
DTIE, 1962, 21 p. (TID-15,418) (LA-DC-NN-257)
- Add-362 Riese, Gretchen R.
SCATTERING OF GAMMA RAYS AND X-RAYS AND HIGH ENERGY
ELECTRONS IN MATTER, A BIBLIOGRAPHY. Sept. 11, 1957.
DTIE, 1962, 38 p. (TID-15,419) (LA-DC-NN-258)
- Add-363 Riesenfeld, Werner B.
HYDROMAGNETIC ENERGY TRANSPORT IN IXION.
Proc. Conf. Theoretical Aspects Controlled Fusion
Res., Gatlinburg, Tenn., April 27-28, 1959, p. 30-1.
DTIE, 1959. (TID-7582 and ORNL-2805) (LA-DC-5887)

- Add-364 Roberts, Thomas R., and Sydoriak, Stephen G.
 DISCREPANCIES BETWEEN VARIOUS MEASUREMENTS OF LAMBDA
 TRANSITION TEMPERATURES OF He³ - He⁴ MIXTURES.
Helium Three, Proc. Symp. Liquid Solid Helium Three,
 2nd., Ohio State Univ., Aug. 1960, John G. Daunt
 (ed). (Ohio State Univ. Press) p. 173-7 (1960).
 (LA-DC-4385)
 Also: 60-204
- Add-365 Roberts, Thomas R., and Swartz, Blair K.
 EXCESS THERMODYNAMIC PROPERTIES OF LIQUID He³ - He⁴
 MIXTURES.
Helium Three, Proc. Symp. Liquid Solid Helium Three,
 2nd., Ohio State Univ., Aug. 1960, John G. Daunt
 (ed). (Ohio State Univ. Press) p. 158-72 (1960).
 (LA-DC-4374)
- Add-366 Roberts, Thomas R., Sydoriak, Stephen G., and Sherman,
 Robert H.
 PROBLEMS ON ESTABLISHMENT OF A He³ SCALE OF TEMPERATURE.
 Program, Temp., Its Meas. Control Sci. Ind., 4th,
 Columbus, Ohio, Mar. 27-31, 1961, p. 75-87 (1961).
 (LA-DC-4589)
 Also: 62-231, 62-51A
- Add-367 Roberts, Thomas R., and Sydoriak, Stephen G.
 VAPOR PRESSURES, LAMBDA POINTS AND PHASE SEPARATION
 OF He³ - He⁴ MIXTURES.
Helium Three, Proc. Symp. Liquid Solid Helium Three,
 2nd., Ohio State Univ., Aug. 1960, John G. Daunt
 (ed). (Ohio State Univ. Press) p. 117-20 (1960).
 (LA-DC-2919)
 Also: 58-215
- Add-368 Roehling, Duane J.
 LOS ALAMOS PLASMA THERMOCOUPLE.
 DTIE, 1960, 22 p. (TID-6008) (LA-DC-4075)
- Add-369 Rosen, Louis, Stewart, Leona, Coon, James H., and Nicodemus,
 David B.
 INELASTIC NEUTRONS FROM THE REACTION OF 14-MEV NEUTRONS
 WITH COMPLEX NUCLEI.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 15, 12-3 (1958) (LA-DC-6201)

- Add-370 Rosen, Louis.
NEUTRON SPECTRUM FROM FAST REACTOR.
DTIE, 1957, 7 p (AECD-4244) (LA-DC-942 and LAMS-915,
Del.)
- Add-371 Rosen, Louis.
SURVEY OF POLARIZATION EXPERIMENTS.
Proc. Intern. Conf. Nucl. Optical Model, 2nd.,
Tallahassee, Fla., Mar. 16-17, 1959, p. 72-90 (1959).
(LA-DC-5914)
- Add-372 Rosen, Louis.
UTILISATION D'EMULSIONS NUCLEAIRES POUR LA SPECTROMETRIE
DES NEUTRONS.
Proc. Colloque Intern. Photographie Corpusculaire,
1st, Strasbourg, July 1-6, 1957, p. 357-8. (Paris,
Centre National de la Recherche Scientifique),
Colloque Internationaux, 79 (1958). (LA-DC-2888)
- Add-373 Sawyer, George A., Jahoda, Franz C., Ribe, Frederick L.,
and Stratton, Thomas F.
SOFT X-RAY EMISSION FROM HIGH ENERGY PLASMAS.
J. Quant. Spectr. Rad. Transfer 2, 467-75 (1962).
(LA-DC-5225)
- Add-374 Sawyer, George A., and Stratton, Thomas F.
TURBULENT PINCH EXPERIMENTS.
DTIE, 1958, 28 p. (AECD-4263) (LA-DC-3305)
- Add-375 Schreiber, Raemer E.
KIWI-A: THE FIRST ROCKET REACTOR EXPERIMENT.
DTIE, 1962, 19 p. (TID-11,792) (LA-DC-4674)
- Add-376 Schreiber, Raemer E.
POTENTIALITIES OF NUCLEAR PROPULSION FOR SPACE FLIGHT,
May 1, 1959.
DTIE, 1959, 19 p. (AECU-4196) (LA-DC-3614)
- Add-377 Schreiber, Raemer E.
REVIEW OF PROJECT ROVER.
I.R.E. Trans. Nucl. Sci. 9 (1), 16-20 (1962).
(LA-DC-5063)

- Add-378 Schreiber, Raemer E.
STATEMENT.
Hearings, Select Commit. Astronaut. Space Exploration,
House Represent., 85th Congr., 2nd Sess., H.R. 11381,
Apr. 15-May 12, 1958, Astronautics and Space Explora-
tion, p. 586-602. (LA-DC-6323)
- Add-379 Schuch, Adam F.
X-RAY DIFFRACTION CAMERA FOR USE AT LIQUID HELIUM
TEMPERATURE.
DTIE, 1959, 8 p. (AECU-3884) (LA-DC-2019)
- Add-380 Schulte, Harry F.
BERYLLIUM - HAZARDS, EVALUATIONS AND CONTROLS.
DTIE, 1961, 10 p. (TID-11,639) (LA-DC-4011)
- Add-381 Schulte, John W., Fitzgibbon, Francis J., and Shaffer,
David S.
USE OF SOLVENT-SOLUBLE FILMS IN DECONTAMINATION.
Proc. Conf. Hot Lab. Equip., 8th, San Francisco,
Calif., Dec. 13-15, 1960, p. 332-6. DTIE, 1960.
(TID-7599) (LA-DC-4359)
Also: 60-20A
- Add-382 Sherman, Robert H., and Edeskuty, Frederick J.
P-V-T RELATIONS OF LIQUID He³.
Proc. Symp. Solid Liquid Helium Three, Ohio State
Univ., Aug. 1957, p. 44-7. Air Force Office of
Scientific Res., 1958. (AFOSR-TR-57-78)
(LA-DC-2931)
Also: 58-78
- Add-383 Shipman, Thomas L.
FATAL AND POTENTIALLY FATAL RADIATION ACCIDENTS.
DTIE, 1961, 17 p. (LA-DC-4534)
- Add-384 Shipman, Thomas L.
RADIOLOGICAL SAFETY; OPERATION BUSTER-JANGLE.
Decl. 1955, DTIE, 1959, 60 p. (WT-425, del.)
(LA-DC-NN-259)
- Add-385 Simmons, James E., and Perkins, Roger B.
USE OF A LIQUID HELIUM SCINTILLATOR AS A NEUTRON
POLARIMETER.
Proc. Symp. Nucl. Instr., Harwell, Eng., Sept. 1961,
J. F. Birks (ed). (New York, Academic Press)
p. 62-6 (1962). (LA-DC-4792)
Also: 6-234, 61-38A

- Add-386 Smith, Darryl B.
 He^3 + t REACTIONS.
 Thesis, Univ. of New Mexico, DTIE, 1962, 51 p.
 (LA-DC-5338)
- Add-387 Smith, H. Louise
 ISOTOPIC ANALYSIS OF URANIUM WITH THE 100-CHANNEL ANALYZER.
 Proc. Conf. Modern Approaches Isotopic Anal. Uranium,
 Chicago, Feb. 5-7, 1957, p. 121-9. DTIE, 1957.
 (TID-7531) (LA-DC-2686)
- Add-388 Smith, Maynard E., and Waterbury, Glenn R.
 COMPARISON OF THE INERT GAS-FUSION AND VACUUM EXTRACTION
 METHODS FOR THE DETERMINATION OF OXYGEN IN REFRACTORY
 METALS.
 DTIE, 1962, 13 p. (TID-11,794) (LA-DC-4679)
- Add-389 Smith, Maynard E.
 SPECTROPHOTOMETRIC DETERMINATION OF SILICON IN PLUTONIUM.
 DTIE, 1960, 17 p. (TID-6071) (LA-DC-3467)
- Add-390 Smoluchowski, Roman.
 ANOMALOUS RESISTIVITY OF PLUTONIUM.
 Bull. Am. Phys. Soc. 7 (2), 230 (1962).
 (LA-DC-5142)
 Also: 62-256
- Add-391 Soper, William G.
 TRANSIENT RESPONSE OF ACCELEROMETERS.
 DTIE, 1958, 11 p. (AECU-3671) (LA-DC-3026)
- Add-392 Spalding, John F.
 ATOMIC BOMB - LET'S FACE IT.
 DTIE, 1959, 19 p. (M-7139) (LA-DC-2852)
- Add-393 Spalding, John F.
 LONGEVITY OF FIRST AND SECOND GENERATION OFFSPRING
 FROM MALE MICE EXPOSED TO FISSION NEUTRONS AND GAMMA
 RAYS.
 DTIE, 1962, 13 p. (LA-DC-5323)
- Add-394 Spohn, Clifford A.
 ACTIVITIES OF THE SPECIAL WEATHER ADVISORY SERVICE.
 OPERATION TUMBLER-SNAPPER.
 Los Alamos Scientific Laboratory, 1952, Decl.
 Apr. 22, 1959, 59 p. (WT-552) (LA-DC-NN-260)

- Add-395 Stearns, Helen S.
LAMINAR FLOW THROUGH CHANNELS WITH POROUS WALLS, A
BIBLIOGRAPHY. July 22, 1959.
DTIE, 1962, 15 p. (TID-15,190) (LA-DC-NN-261)
- Add-396 Stearns, Helen S.
TANTALUM: A BIBLIOGRAPHY OF PHASE DIAGRAMS AND
PROPERTIES OF TANTALUM SYSTEMS (1953 THROUGH 1957).
DTIE, 1958, 35 p. (AECU-3863) (LA-DC-NN-262)
- Add-397 Stearns, Helen S.
TEMPERATURE ANALYSIS OF HOLLOW CYLINDRICAL FUEL
ELEMENTS, A BIBLIOGRAPHY. Mar. 11, 1960.
DTIE, 1962, 8 p. (TID-15,194) (LA-DC-NN-263).
- Add-398 Steinhaus, David W., Engleman, Rolf, Jr., Briscoe, William L.,
Mitchell, Kenneth B., Peek, H. Milton, and Rouse, Prince E., Jr.
AUTOMATIC COMPARATOR FOR MEASUREMENT OF SPECTROGRAMS.
(Abstract)
Appl. Spectr. 16, 51 (1962). (LA-DC-5192)
- Add-399 Steinhaus, David W.
PROGRESS REPORT ON THE DESCRIPTION AND ANALYSIS OF
THE SPECTRUM OF URANIUM.
Atomic Spectroscopy Symp., Argonne Nat. Lab.,
June 7-9, 1961, Abstracts, Argonne Nat. Lab.,
p. 10 (1961). (LA-DC-4846)
- Add-400 Steinhaus, David W.
RAPID PRECISION WAVE NUMBER MEASUREMENTS FROM FABRY-
PEROT INTERFEROGRAMS. (Abstract)
J. Opt. Soc. Am. 49, 1126-27 (1959). (LA-DC-3817)
Also: 60-235
- Add-401 Stewart, Leona and Rosen, Louis.
(n,2n) CROSS SECTIONS FOR 14-MEV NEUTRONS ON Be, Ta,
AND Bi.
Bull. Am. Phys. Soc. 2 (2), 33 (1957). (LA-DC-2631)
Also: 57-168
- Add-402 Steyert, William A., Jr., Craig, Paul P., and Taylor,
Raymond Dean.
TEMPERATURE EFFECTS ON THE MOSSBAUER RESONANCE IN
A DILUTE SOLUTION OF IRON IN INDIUM.
Bull. Am. Phys. Soc. 7 (2), 402-3 (1962).
(LA-DC-5312)

- Add-403 Stout, Ellis L.
 FOLLOW THESE SAFETY RULES FOR DESIGNING, OPERATING
 COMPRESSED GAS PIPING SYSTEMS.
 Heating, Piping, Air Conditioning, 33 (3), pt. 1,
 100-2 (1961).
- LABORATORY COMPRESSED GASES - HANDLING AND STORAGE.
 Trans. Nat. Safety Congr., 48th, 1960, v.5, p. 37-40.
 Nat. Safety Council (1960). DTIE, 1962, 8 p.
 (TID-11,461) (LA-DC-4508)
- Add-404 Stratton, William R., and Colvin, Ted H.
 ANALYSIS OF PROMPT EXCURSIONS IN SIMPLE SYSTEMS.
 Proc. Fast Reactor Information Meeting, Chicago,
 Nov. 20-21, 1957, G. W. Wensch (ed). Govt. Print.
 Off., p. 82-92 (1959).
 Also abstracted in:
 Summaries of Papers, p. 14. DTIE, 1957. (TID-7548)
 Also: DTIE, 1958, 25 p. (AECU-3598) (LA-DC-3085)
- Add-405 Stratton, William R.
 REVIEW OF CRITICALITY ACCIDENTS.
Criticality Control in Chemical and Metallurgical
 Plants. Karlsruhe Symp., 1961. Organization for
 European Economic Co-operation and Development,
 p. 491-527 (1961). (LA-DC-3958)
 Also: 60-241, 60-54A
- Add-406 Stratton, William R.
 REVIEW OF SOME PROMPT CRITICAL ACCIDENTS.
 Proc. Idaho Conf. Reactor Kinetics, Sun Valley,
 Oct. 12-14, 1960, p. 283-8. Phillips Petroleum
 Co., 1962. (IDO-16,791) (LA-DC-6376)
- Add-407 Suydam, Bergen R.
 STABILITY OF A LINEAR PINCH.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 31, 157-9 (1958). (LA-DC-3356)
- Add-408 Swickard, Earl O., Jr.
 PROGRESS IN FREQUENCY RESPONSE MEASUREMENTS AT LOS
 ALAMOS, Part II.
 Proc. Conf Transfer Function Measurements Reactor
 Stability Analysis, Argonne Nat. Lab., May 2-3, 1960,
 p. 219-31, Argonne Nat. Lab., 1960. (ANL-6205)
 (LA-DC-NN-264)

- Add-409 Sydoriak, Stephen G., Roberts, Thomas R., and Sherman, Robert H.
 $T_{62}^{3\text{He}}$ TEMPERATURE SCALE.
 Intern. Conf. Low Temp. Phys., 8th, London, 1962.
 Preprints of Papers, p. 297-9 (1962). (LA-DC-5332)
- Add-410 Taub, James M.
 METALS FOR REACTOR APPLICATIONS AND LESS COMMON METALS.
 DTIE, 1958, 51 p. (AECU-3814) (LA-DC-3254)
- Add-411 Taylor, Grover M.
 RADIATION TECHNIQUES.
 Proc. Symp. Nondestructive Testing Trends AEC
 Reactor Program, AEC Headquarters Bldg., Germantown,
 Md., May 20, 1960, p. 11-9. DTIE, 1961. (TID-7600)
 (LA-DC-4352)
- Add-412 Thomas, Robert G., Kelly, George D., and Christenson, Conard W.
 CERAMIC SPONGES FOR RADIOACTIVE WASTE DISPOSAL.
 Rept. Working Group Fixation Radioactivity Stable,
 Solid Media, 2nd., Idaho Falls, Sept. 27-29, 1960,
 p. 590-618. DTIE, 1961. (TID-7613) (LA-DC-OR-389)
- Add-413 Thomas, Robert G., and Christenson, Conard W.
 LEACHING STUDIES ON FIRED CLAYS CONTAINING RADIONUCLIDES.
 Rept. Working Group Fixation Radioactivity Stable,
 Solid Media, Johns Hopkins Univ., June 19-21, 1957,
 p. 10-4. DTIE, 1958. (TID-7550) (LA-DC-2799)
- Add-414 Thorpe, Munson M.
 DETERMINATION OF THERMAL NEUTRON DENSITY FROM THE
 ABSOLUTE MEASUREMENT OF THE ACTIVITY INDUCED IN GOLD
 FOLLS.
 Thesis, Univ. of New Mexico, DTIE, 1962, 53 p.
 (LA-DC-5381)
- Add-415 Tuck, James L.
 CONTROLLED THERMONUCLEAR RESEARCH AT LOS ALAMOS.
 Proc. Intern. Conf. Peaceful Uses At. Energy,
 2nd Geneva 32, 3-25 (1958). (LA-DC-3487)
 Also: Add-117
- Add-416 Ulam, Stanislaw M.
 ON SOME MATHEMATICAL PROBLEMS CONNECTED WITH PATTERNS
 OF GROWTH FIGURES.
 Symp. Appl. Math., AMS 14, 215-24 (1962). (LA-DC-5860)

- Add-417 Ulam, Stanislaw M.
STATEMENT.
Hearings, Select Commit. Astronaut. Space Exploration,
House Represent., 85th Cong., 2nd Sess., H.R.
11881, Apr. 15-May 12, 1958, Astronautics and
Space Exploration, p. 602-13. (LA-DC-6322)
- Add-418 Voorhees, Edward A., and Worlton, William J.
GENERALIZED KEYPUNCH FOR CARDS AND PAPER TAPE.
DTIE, 1961, 6 p. (LA-DC-3972)
- Add-419 Voorhees, Edward A.
PROPOSAL FOR A GENERALIZED CARD KEY PUNCH.
DTIE, 1958, 12 p. (AECU-3553) (LA-DC-3050)
- Add-420 Waber, James T.
AQUEOUS CORROSION OF URANIUM AND ITS ALLOYS.
Proc. AEC-EURATOM Conf. Aqueous Corrosion Reactor
Materials, Brussels, Belgium, Oct. 14-17, 1959,
p. 307-89. DTIE, 1960. (TID-7587) (LA-DC-PUB-215)
- Add-421 Waber, James T., McDonald, Robert R., and Gschneidner,
Karl, Jr.
COEFFICIENTS OF THERMAL EXPANSION IN CERIUM-BASED
ALLOYS. (Abstract)
J. Metals 14, 706 (1962). (LA-DC-5389)
- Add-422 Waber, James T.
CORROSION OF PLUTONIUM AND URANIUM.
Prog. Nucl. Energy Ser. V. Met. Fuels 4, 871-93
(1961). (LA-DC-3657)
- Add-423 Waber, James T., and Wright, Edward S.
METHOD FOR THE ANALYSIS OF HYDROGEN IN URANIUM.
DTIE, 1959, 9 p. (AECU-4280) (LA-DC-2325)
- Add-424 Wachspress, Eugene L., Stone, Philip M., and Lee, Clarence I.
MATHEMATICAL TECHNIQUES IN TWO-DIMENSIONAL MULTIGROUP
CALCULATIONS.
Proc. Intern. Conf. Peaceful Uses At. Energy,
2nd Geneva 16, 483-8 (1958). (LA-DC-6203)
- Add-425 Wackerle, Jerry.
EQUATION OF STATE AND PHASE LINE STUDIES ON BaTiO₃
AND PZT CERAMICS.
DTIE, 1960, 26 p. (LA-DC-4090)

- Add-426 Wahl, Arthur C.
 14-YEAR 113_mCd.
 J. Inorg. Nucl. Chem. 10, 1-3 (1959). DTIE, 1959,
 9 p. (AECU-4128) (LA-DC-3522)
- Add-427 Wahl, John
 VALUE OF NU FOR FISSION OF U²³⁵ BY 14 MEV NEUTRONS
 AS DERIVED FROM CHARGE DISTRIBUTION MEASUREMENTS.
 DTIE, 1958, 13 p. (AECD-4261) (LA-DC-3117)
- Add-428 Walsh, Kenneth A.
 EXTRACTION OF AMERICIUM NITRATE WITH TRIBUTYL PHOSPHATE.
 Nucl. Eng. Sci. Congr., 5th, Cleveland, Apr. 6-9,
 1955. Preprint, no. 270, 16 p. (1959?).
 (LA-DC-2268)
- Add-429 Ward, John W.
 A VERSATILE CATHODIC ETCHER.
 DTIE, 1961, 18 p. (TID-14,534) (LA-DC-5133 and
 LAMS-2956)
- Add-430 Watt, Bob E.
 CONTAINMENT OF CHEMICAL EXPLOSIONS.
 Proc. Plowshare Symp., 2nd, San Francisco, May 13-15,
 1959, Plowshare Series: Rept. no. 2, Part III:
 Recovery of Power and Isotopes From Contained Under-
 ground Nucl. Explosions, p. 58-77. Lawrence Rad.
 Lab., Livermore, 1960. (UCRL-5677) (LA-DC-NN-265)
- Add-431 Watts, Richard J.
 LOW-LEVEL ALPHA COUNTING AND TECHNIQUES OF PULSE-
 HEIGHT ANALYSIS.
 Proc. Bio-Assay Anal. Chem. Meeting, 2nd., Los
 Alamos, N. Mex., Oct. 11-12, 1956, p. 61-76.
 Los Alamos Sci. Lab., 1957. (WASH-736)
 (LA-DC-NN-266)
- Add-432 Watts, Richard J.
 REVIEW OF WORK IN NUCLEAR INSTRUMENTATION AT THE LOS
 ALAMOS GROUP.
 Proc. Tripartite Conf., 6th, Chalk River, Ont.,
 Canada, Apr. 20-24, 1959, Part 4. Instruments
 for Nucl. Phys., p. 1-24. Atomic Energy of Canada,
 Ltd., 1959. (AECL-804) (LA-DC-NN-267)

- Add-433 Westervelt, Donald R.
AIR FLUORESCENCE IN THE UPPER ATMOSPHERE AND ITS
RELATION TO THE DETECTION OF NUCLEAR EXPLOSIONS IN
SPACE.
DTIE, 1960, 25 p. (AECU-4499) (LA-DC-PUB-213)
- Add-434 Williams, D. Lloyd.
HEXAFLUOROBENZENE LIQUID SCINTILLATORS AND THEIR
APPLICATION TO GAMMA AND FAST NEUTRON DOSE RATE
MEASUREMENTS.
Proc. Conf. Organic Scintillation Detectors,
Univ. of New Mexico, Albuquerque, Aug. 15-17, 1960,
p. 121-40. DTIE, 1960. (TID-7612) (LA-DC-4459)
- Add-435 Wimett, Thomas M.
PRESENTATION OF GODIVA PROGRAM.
Proc. Idaho Conf. Reactor Kinetics, Sun Valley,
Oct. 12-14, 1960, p. 74-7. Phillips Petroleum
Co., 1962. (IDO-16,791) (LA-DC-6377)
- Add-436 Witteman, Willard G., Giorgi, Angelo L., and Vier, Dwayne T.
PREPARATION AND CRYSTAL STRUCTURE OF SOME INTERMETALLIC
COMPOUNDS.
DTIE, 1957, 23 p. (AECD-4237) (LA-DC-2563 and
LA-1562, Del.)
- Add-437 Witteman, Willard G., Leitnaker, James M., and Bowman,
Melvin G.
STUDIES WITHIN THE SYSTEM UC-UC₂ AT LOS ALAMOS
SCIENTIFIC LABORATORY.
Proc. Uranium Carbide Meeting, Oak Ridge Nat. Lab.,
Dec. 1-2, 1960, p. 48-51. DTIE, 1961. (TID-7603)
(LA-DC-4644)
- Add-438 Wooten, John, Bivins, Robert, Metropolis, Nicholas, and
Rotenberg, Manuel.
3-j AND 6-j SYMBOLS.
(Mass. Inst. Technology, Cambridge, Mass.), 498 p.
(1959). (LA-DC-6034)
- Add-439 Young, Dwight S.
NEUTRON DISTRIBUTION MEASURED WITH BETA DECAYS AND
PHOTOGRAPHIC EMULSIONS.
DTIE, 1957, 11 p. (AECD-3761) (LA-DC-2645)

- Add-440 Young, James E., Brolley, John E., Jr., and Rosen, Louis.
 STUDY OF CHARGED PARTICLE REACTIONS INVOLVING LIGHT
 NUCLEI. Including work done by: John C. Allred,
 Alice H. Armstrong, Donald C. Dodder, John L. Gammel,
 William S. Hall, John L. McHale, Thomas M. Putnam,
 Leona Stewart, and Roy M. Thaler.
 Compt. Rend. Congres Intern. Phys. Nucl. Interactions
 Nucl. Basse Energies Structure Noyaux, Paris,
 July 7-12, 1958. (Paris, Dunod) p.565-70. (1959).
 (LA-DC-3425)
- Add-441 Zukas, Eugene G.
 ISOTHERMAL TRANSFORMATION STUDIES ON URANIUM-MOLYBDENUM
 ALLOYS.
 Tech. Papers Metallographic Group Meeting, 11th,
 Bridgeport Brass Co., Nov. 7-8, 1956, p. 81-98.
 DTIE, 1959. (TID-7567, Pt. 1) (LA-DC-5885)
- Add-442 Zukas, Eugene G.
 MECHANICAL PROPERTIES OF LOW-MOLYBDENUM-URANIUM
 ALLOYS.
 DTIE, 1958, 13 p. (AECD-4250) (LA-DC-2902)
- Add-443 Zukas, Eugene G.
 MECHANICAL PROPERTIES OF URANIUM-RICH URANIUM-
 MOLYBDENUM ALLOYS.
 Proc. Metallurgy Information Meeting, Oak Ridge
 Nat. Lab., Apr. 11-13, 1955, p. 204-17. DTIE,
 1960. (TID-7502, Pt. 1, Del. 2) (LA-DC-5879)

U. S. PATENTS

- Add-444 Neddermeyer, Seth H. and Kerst, Donald W.
METHOD AND APPARATUS FOR PRODUCING RADIOGRAPHS.
2,418,523.
Patented Apr. 8, 1947.
- Add-445 Anderson, Herbert L.
COMPRESSED NEUTRON SOURCE. 2,440,999.
Patented May 4, 1948.
- Add-446 Newton, Amos S.
METHOD OF PREPARING URANIUM DEUTERIDE. 2,452,139.
Patented Oct. 26, 1948.
- Add-447 Marlowe, Elbert W. and Wilcox, Howard A.
IMPULSE TYPE POWER SUPPLY. 2,470,895.
Patented May 24, 1949.
- Add-448 Hood, Charles B., Jr., Jones, Wesley, and
Johnston, Herrick L.
DEVICE FOR MEASURING THERMAL CONDUCTIVITY.
2,475,138.
Patented July 5, 1949.
- Add-449 Allen, James S. and Rossi, Bruno B.
METHOD AND MEANS OF DETECTING IONIZATION.
2,485,469.
Patented Oct. 18, 1949.
- Add-450 Baker, Charles P.
METHOD AND APPARATUS FOR CONTROL OF BEAM ENERGY.
2,485,470.
Patented Oct. 18, 1949.

Add-451 Thompson, Robert W.
SHALLOW PLANE PROPORTIONAL COUNTER. 2,485,516.
Patented Oct. 18, 1949.

Add-452 Segre, Emilio G. and Wiegand, Clyde E.
NEUTRON DETECTOR. 2,491,220.
Patented Dec. 13, 1949.

Add-453 Koontz, Philip G.
NEUTRON DETECTOR AND METHOD OF MAKING SAME.
2,491,320.
Patented Dec. 13, 1949.

Add-454 Poole, Michael J.
ELECTRONIC DETECTION SYSTEM. 2,491,904.
Patented Dec. 20, 1949.

Add-455 Hansen, William W.
VOLTAGE DOUBLING CIRCUITS. 2,493,137.
Patented Jan. 3, 1950.

Add-456 Schlesinger, Hermann I. and Schaeffer, George W.
SURFACE HARDENING OF FERROUS METALS. 2,494,267.
Patented Jan. 10, 1950.

Add-457 Anderson, Herbert L. and Koontz, Philip G.
RADIATION COUNTER. 2,494,641.
Patented Jan. 17, 1950.

Add-458 Molloy, Everett W. and Hinch, William H.
RADIATION ALARM AND MEASUREMENT DEVICE.
2,496,886.
Patented Feb. 7, 1950.

Add-459 King, L. D. Percival.
ION SOURCE. 2,498,841.
Patented Feb. 28, 1950.

Add-460 Backus, John G.
VACUUM ANALYSER. 2,499,288.
Patented Feb. 28, 1950.

Add-461 Backus, John G.
ION GENERATOR. 2,499,289.
Patented Feb. 28, 1950.

Add-462 Molloy, Everett W.
AIR PROPORTIONAL COUNTER. 2,499,830.
Patented Mar. 7, 1950.

Add-463 Wirth, Henry E.
VALVE. 2,501,461.
Patented Mar. 21, 1950.

Add-464 Graves, Elizabeth R.
METHOD AND APPARATUS FOR DETECTING IONIZING
PARTICLES. 2,506,419.
Patented May 2, 1950.

Add-465 Rossi, Bruno B. and Allen, James S.
RADIATION MEASUREMENT. 2,506,435.
Patented May 2, 1950.

Add-466 McKibben, Joseph L.
INSULATING COLUMN STRUCTURE. 2,509,009.
Patented May 23, 1950.

Add-467 Dodson, Richard W. and Beamer, William H.
METHOD AND APPARATUS FOR MEASURING ALPHA PARTICLE
RADIATION. 2,517,469.
Patented Aug. 1, 1950.

Add-468 Froman, Darol K.
VOLTAGE SUPPLY CIRCUIT FOR VACUUM TUBES.
2,517,863.
Patented Aug. 8, 1950.

Add-469 Wilson, Volney C.
RADIATION COUNTER. 2,519,007.
Patented Aug. 15, 1950.

Add-470 Shank, Walter Bradford, Gurinsky, David H., and
Creutz, Edward C.
METHOD OF MEASURING CORROSION AND EROSION.
2,519,323.
Patented Aug. 15, 1950.

Add-471 Segre, Emilio G. and Chamberlain, Owen
IONIZATION CHAMBER. 2,521,656.
Patented Sept. 5, 1950.

Add-472 Brown, Robert J. S.
LOW INDUCTION RESISTANCE. 2,521,894.
Patented Sept. 12, 1950.

Add-473 Titterton, Ernest W. and Voorhies, Hugh G.
HIGH-VOLTAGE GENERATOR CIRCUITS. 2,524,240.
Patented Oct. 3, 1950.

Add-474 Fermi, Enrico.
NEUTRON VELOCITY SELECTOR. 2,524,379.
Patented Oct. 3, 1950.

Add-475 Sands, Matthew L.
PULSE HEIGHT ANALYSER. 2,529,666.
Patented Nov. 14, 1950.

Add-476 Brown, Robert J. S. and Weiss, Herbert G.
POCKET RADIATION ALARM. 2,531,106.
Patented Nov. 21, 1950.

Add-477 Manley, John H.
COINCIDENCE PROPORTIONAL COUNTER. 2,531,144.
Patented Nov. 21, 1950.

Add-478 Sands, Matthew L., Frisch, Otto R., and
Elmore, William C.
PULSE AMPLIFIER. 2,531,164.
Patented Nov. 21, 1950.

Add-479 Kennedy, Joseph W., Baker, William R., and
Wiegand, Clyde E.
ELECTRONIC COUNTING CIRCUITS. 2,532,503.
Patented Dec. 5, 1950.

Add-480 Anderson, Herbert L.
DETECTION APPARATUS. 2,532,874.
Patented Dec. 5, 1950.

Add-481 Titterton, Ernest W.
X-RAY SYSTEM. 2,534,758.
Patented Dec. 19, 1950.

Add-482 Froman, Darol K.
VOLTAGE REGULATION AND SUPPLY. 2,535,355.
Patented Dec. 26, 1950.

Add-483 Titterton, Ernest W.
COINCIDENCE COUNTER. 2,535,377.
Patented Dec. 26, 1950.

Add-484 King, L. D. Percival, Baker, Charles P., and
Schreiber, Raemer E.
HYDROGEN PURIFICATION SYSTEM. 2,536,610.
Patented Jan. 2, 1951.

Add-485 Higinbotham, William A.
FAST IMPULSE CIRCUITS. 2,536,808.
Patented Jan. 2, 1951.

Add-486 Morrison, Philip.
RADIOGRAPHY. 2,541,599.
Patented Feb. 13, 1951.

Add-487 Froman, Darol K.
PULSE INTEGRATING CIRCUITS. 2,543,491.
Patented Feb. 27, 1951.

Add-488 Dye, Raymond C.
RADIO FREQUENCY VOLTAGE SUPPLY. 2,543,902.
Patented Mar. 6, 1951.

Add-489 Newton, Amos S. and Johnson, Oliver.
PREPARATION OF URANIUM NITRIDE.
Patented Mar. 6, 1951.

Add-490 Cunningham, Burris B., Smith, Clifford, and
Dixon, Jonathan S.
METHOD OF COATING WITH PLUTONIUM ACETYLACETONATE
AND COATED PRODUCT. 2,545,606.
Patented Mar. 20, 1951.

Add-491 Johnstone, Charles W.
FAST IMPULSE CIRCUITS. 2,545,924.
Patented Mar. 20, 1951.

Add-492 Klema, Ernest D.
HYDROGEN PURIFICATION METHOD. 2,547,874.
Patented Apr. 3, 1951.

Add-493 Staub, Hans H.
SENSITIVITY MODULATOR. 2,548,449.
Patented Apr. 10, 1951.

Add-494 Hamilton, Joseph A., Putnam, Thomas M., and
Wiens, Jacob H.
BERYLLIUM TARGET AND METHOD OF MANUFACTURE.
2,549,596.
Patented Apr. 17, 1951.

Add-495 Staub, Hans H.
PULSING CIRCUIT. 2,550,878.
Patented May 1, 1951.

Add-496 Watts, Richard J.
PULSE WIDTH MODULATION. 2,556,457
Patented June 12, 1951.

Add-497 McKibben, Joseph L.
NEUTRON DETECTOR. 2,556,768.
Patented June 12, 1951.

Add-498 Hirsch, Harold and Kowalchik, Michael.
GOLD BERYLLIUM ALLOY AND METHOD OF MAKING SAME.
2,556,921.
Patented June 12, 1951.

Add-499 Perlman, Morris L. and Weissman, Sam I.
PREPARATION OF COMPACTS OF HIGH-DENSITY URANIUM
HYDRIDE. 2,558,377.
Patented June 26, 1951.

Add-500 Church, James S. and Tyler, Herman R.
CASTING METHOD AND COMPOSITIONS. 2,559,345.
Patented July 3, 1951.

Add-501 Murray, Arthur, III, and Ronzio, Anthony R.
PREPARATION OF ORGANIC MATERIALS. 2,571,926.
Patented Oct. 16, 1951.

Add-502 Segre, Emilio G.
METHOD AND APPARATUS FOR MEASURING STRONG ALPHA
EMITTERS. 2,573,069.
Patented Oct. 30, 1951.

Add-503 Engelkemeir, Donald W. and Sugarman, Nathan.
RADIATION DETECTION AND MEASURING APPARATUS
AND METHOD. 2,574,632.
Patented Nov. 13, 1951.

Add-504 Higinbotham, William A. and McDaniel, Boyce D.
COUNTER CHRONOGRAPH. 2,575,759.
Patented Nov. 20, 1951.

Add-505 Hanson, Alfred O.
DEVICE FOR GENERATING NEUTRONS. 2,576,600.
Patented Nov. 27, 1951.

Add-506 McDuffie, Bruce, Schelberg, Arthur, and
Thompson, Robert W.
APPARATUS FOR THE PREPARATION OF METAL HALIDES.
2,580,357.
Patented Dec. 25, 1951.

Add-507 Kahn, Milton.
PROCESS FOR ELECTRODEPOSITING URANIUM DIOXIDE.
2,581,863.
Patented Jan. 8, 1952.

Add-508 Sands, Matthew L.
ELECTROPLATING CONTROL SYSTEM. 2,584,816.
Patented Feb. 5, 1952.

Add-509 Elmore, William C.
COMPENSATED ELECTRON DISCHARGE MEASURING DEVICE.
2,585,639.
Patented Feb. 12, 1952.

Add-510 Hanson, Alfred O.
REACTION COMPARISON APPARATUS. 2,585,649.
Patented Feb. 12, 1952.

Add-511 Thompson, Robert W. and Leland, Wallace T.
SPECTROMETER. 2,585,702.
Patented Feb. 12, 1952.

Add-512 Kolodney, Morris .
PRETREATMENT OF BERYLLIUM PRIOR TO COATING.
2,588,734.
Patented Mar. 11, 1952.

Add-513 Molloy, Everett W.
POCKET RADIATION ALARM. 2,596,500.
Patented May 13, 1952.

Add-514 Clarke, Howard F.
VIBRATION MEASURING DEVICE. 2,596,529.
Patented May 13, 1952.

Add-515 Clarke, Howard F.
VIBRATION MEASURING DEVICE. 2,596,530.
Patented May 13, 1952.

Add-516 Clarke, Howard F.
VIBRATION MEASURING DEVICE. 2,596,531.
Patented May 13, 1952.

Add-517 Serduke, James T. and Webster, Robert O.
HIGH-SPEED BEARING AND TURBINE. 2,602,632.
Patented July 8, 1952.

Add-518 Serduke, James T.
APPARATUS FOR COOLING GASES. 2,605,619.
Patented Aug. 5, 1952.

Add-519 Wilson, Robert R.
METHOD AND APPARATUS FOR MATERIAL SEPARATION.
2,606,291.
Patented Aug. 5, 1952.

Add-520 Kahn, Milton.
ELECTRODEPOSITION OF METAL SALTS. 2,608,530.
Patented Aug. 26, 1952.

Add-521 Brown, Clarence J.
CURRENT MEASURING DEVICE. 2,615,063.
Patented Oct. 21, 1952.

Add-522 Holloway, Marshall G.
METHOD AND APPARATUS FOR MEASURING BEAM CURRENT.
2,616,053.
Patented Oct. 28, 1952.

Add-523 Thompson, Robert W.
ION SOURCE. 2,621,296.
Patented Dec. 9, 1952.

Add-524 Wilson, Robert R.
ION SOURCES. 2,624,009.
Patented Dec. 30, 1952.

Add-525 Thompson, Robert W.
ION SOURCE. 2,624,845.
Patented Jan. 6, 1953.

Add-526 Hammond, R. Philip and Leary, Joseph A.
FILTER. 2,629,459.
Patented Feb. 24, 1953.

Add-527 Sands, Matthew L.
AUTOMATIC TEMPERATURE REGULATOR. 2,646,544.
Patented July 21, 1953.

Add-528 Veltman, Preston L.
FLOTATION OF URANIUM. 2,647,629
Patented Aug. 4, 1953.

Add-529 Wiegand, Clyde E.
PULSE GENERATOR. 2,654,840.
Patented Oct. 6, 1953.

Add-530 Godbold, Nat H.
ELECTROMAGNETIC FLUID PUMP. 2,655,107.
Patented Oct. 13, 1953.

Add-531 Buck, Willard E.
LIGHT VALVE. 2,667,104.
Patented Jan. 26, 1954.

Add-532 Brixner, Berlyn B.
CONTINUOUS RECORDING HIGH SPEED FRAME CAMERA.
2,668,473.
Patented Feb. 9, 1954.

Add-533 Godbold, Nat H.
ELECTROMAGNETIC FLUID PUMP. 2,669,183.
Patented Feb. 16, 1954.

Add-534 Godbold, Nat H.
ELECTROMAGNETIC FLUID PUMP. 2,669,931.
Patented Feb. 23, 1954.

Add-535 Leighton, Robert B.
ELECTRONIC TIMING DEVICE. 2,672,556.
Patented Mar. 16, 1954.

Add-536 Woodward, William M. and Smith, Lincoln G.
ION SOURCE. 2,677,060.
Patented Apr. 27, 1954.

Add-537 Wilson, Robert R.
 ION SOURCE. 2,677,061.
 Patented Apr. 27, 1954.

Add-538 Smyth, Henry D., Smith, Lincoln G., and
 Mack, Julian Ellis.
 ION SOURCE. 2,677,770.
 Patented May 4, 1954.

Add-539 Turner, Clarence M.
 ION SOURCE. 2,677,771.
 Patented May 4, 1954.

Add-540 Turner, Clarence M.
 ION SOURCE. 2,679,597.
 Patented May 25, 1954.

Add-541 Asprey, Larned B., Penneman, Robert A., and
 Stephanou, Stephen E.
 COMPOUNDS OF THE ELEMENT AMERICIUM. 2,681,923.
 Patented June 22, 1954.

Add-542 Woodward, William M. and Smith, Lincoln G.
 ION SOURCE. 2,682,611
 Patented June 29, 1954.

Add-543 Wechsler, Jacob J.
 TRANSLATING, ROTATING BEARING DEVICE. 2,689,753.
 Patented Sept. 21, 1954.

Add-544 Kalbach, John F. and Johnstone, Charles W.
 TELEMETERING SYSTEM. 2,689,949.
 Patented Sept. 21, 1954.

Add-545 Mack, Julian Ellis.
 METHOD AND APPARATUS FOR PRODUCING IONS.
 2,690,515.
 Patented Sept. 28, 1954.

Add-546 Turner, Clarence M.
 ION SOURCE UNIT. 2,690,521.
 Patented Sept. 28, 1954.

Add-547 Bennett, George A. and Veltman, Preston L.
 FLOTATION METHODS FOR URANIUM ORES. 2,697,518.
 Patented Dec. 21, 1954.

Add-548 Wilson, Robert R.
ION SOURCE. 2,697,788.
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WILLIAMS, D. Lloyd
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WILNER, L. Bruce
Add-647

WILSON, Robert R.
Add-519, Add-524, Add-537,
Add-548, Add-621

WILSON, Volney C.
Add-469

WIMETT, Thomas M.
Add-435

WING, G. Milton
Add-153

WIRTH, Henry E.
Add-463

WITTEMAN, Willard G.
Add-292, Add-436, Add-437,
Add-675

WOOD, David P.
Add-228, Add-349

WOOD, William W.
Add-271

WOODWARD, William M.
Add-536, Add-542

WOOTEN, John
Add-438

WORLTON, William J.
Add-418

WRIGHT, Edward S.
Add-423

WYKOFF, Walter Robert
Add-648

WYMAN, Marvin Eugene
Add-180

YOUNG, Dwight S.
Add-439

YOUNG, James E.
Add-440

ZACHARIASEN, William H.
Add-309

ZIMMERMAN, George C.
Add-270

ZUKAS, Eugene G.
Add-330, Add-441, Add-442,
Add-443