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LIBRARY

- PDL-38120 Newell, Homer E. and John E. Naugle. RADIATION ENVIRONMENT IN SPACE. Science 132:1465-1472 (November 1960)
- PDL-38864 Dow, Norris F., ed. IMPORTANT RESEARCH PROBLEMS IN ADVANCED FLIGHT STRUCTURES DESIGN, 1960. U.S. National Aeronautics and Space Administration, Washington. Technical Note D-518 (June 1960) 49 p.
- PDL-39088 Happe, Ralph A. MATERIALS IN SPACE. California Institute of Technology, Pasadena. Jet Propulsion Laboratory. Technical Release 34-143; ... ASTIA Doc. 244492 (October 1960) 17 p.
- PDL-39988 Naugle, John E. SPACE ENVIRONMENT. SECTION IV. SPACE RADIATION LEVELS. Nucleonics 19(4):89-91 (April 1961)
- PDL-40122 Spira, S.L. STUDY OF TESTING OF CONTROL SYSTEMS UNDER SIMULATED ENVIRONMENTS. U.S. Department of the Air Force. Air Force Missile Development Center, Holloman Air Force Base, New Mexico. AFMDC-TR-60-19; ... ASTIA Doc. 245479 (August 1960) 248 p.
- PDL-41567 Battelle Memorial Institute, Columbus, Ohio. Defense Metals Information Center (J.M. Allen). ENVIRONMENTAL FACTORS INFLUENCING METALS APPLICATIONS IN SPACE VEHICLES. Its Report 142; ... PB 151101; ... ASTIA Doc. 249624 (December 1960) 46 p.
- PDL-42091 Manning, Bernard. THE EFFECT OF RADIATION ON SOLID STATE MATERIALS AND DEVICES. U.S. Department of the Air Force. Aeronautical Systems Division. Wright-Patterson Air Force Base, Ohio. ASD Technical Report 61-322 (July 1961) 8 p.
- PDL-42093 Hickmott, R.L., G.H. Griffith, V.L. Donlan, O.V.P. Sessoms and T.W. Bailey. RADIATION EFFECTS ON MATERIALS IN SPACE. U.S. Department of the Air Force. Aeronautical Systems Division. Wright-Patterson Air Force Base, Ohio. ASD Technical Report 61-322 (July 1961) 6 p.
- PDL-42178 Jaffe, Leonard D. and John P. Rittenhouse. BEHAVIOR OF MATERIALS IN SPACE ENVIRONMENTS. American Rocket Society, New York, N.Y. Paper 2033-61 (1961) 30 p.
- PDL-42386 Jaffe, L.D. EFFECTS OF SPACE ENVIRONMENT UPON PLASTICS AND ELASTOMERS. California Institute of Technology, Pasadena. Jet Propulsion Laboratory. Technical Report 32-176 (November 1961) 22 p.
- PDL-42496 Linden, Erik G. AEROSPACE ELECTRONIC MATERIALS: APPLICATIONS/ ENVIRONMENTS/EFFECTS. Electro-Technol. 68(6):125-131 (December 1961)



- PDL-42644 Sery, R.S., R.H. Lundsten and D.I. Gordon. HOW RADIATION AND HEAT AFFECT PERMANENT MAGNET MATERIALS. *Materials in Design Eng.* 55(1):90-92,133 (January 1962)
- PDL-43005 General Electric Company. Missile and Space Vehicle Department, Philadelphia, Pa. INVESTIGATION OF THE NATURAL INTERFERENCE EFFECTS UPON HIGH THRUST PILOTED AND PILOTLESS VEHICULAR ELECTRONICS SYSTEM PERFORMANCE. PARTS I - III. U.S. Wright Air Development Division. Technical Report 61-191, Volume I; ... ASTIA Doc. 262913 (August 1961) 390 p.
- PDL-43127 Weller, J.F., F.J. Campbell and J.W. Kallander. SPACE-RADIATION EFFECTS ON ELECTRICAL INSULATION AND SEMI-CONDUCTORS. *ELECTRICAL INSULATION 1961-62.* *Electro-Technol.* 69(2):116-124 (February 1962)
- PDL-43291 Tochilin, E. SPACE RADIATION AND COMMUNICATION SATELLITES. *Naval Research Revs.* (February 1962) 6 p.
- PDL-43437 Owens, George E. ELECTRICAL CONTACTS IN SPACE ENVIRONMENT. AN ANNOTATED BIBLIOGRAPHY. Lockheed Aircraft Corp. Missiles and Space Division, Palo Alto, Calif. Special Bibliography SB-61-23; ... ASTIA Doc. 258424 (May 1961) 84 p.
- PDL-43587 Redmond, Robert F. SPACE RADIATION AND ITS EFFECTS ON MATERIALS. Battelle Memorial Institute, Columbus, Ohio. Radiation Effects Information Center. REIC Memorandum 21 (June 1961) 34 p.
- PDL-43722 Gardner, Leonard B. COMPUTER COMPONENTS AND THE NUCLEAR SPACE RADIATION ENVIRONMENT. *Inst. Environmental Sciences, Proc.* (April 1962) 13 p.
- PDL-43746 Price, William E. and J.C. Lee. BEHAVIOR OF ELECTRONIC MATERIALS AND COMPONENTS UNDER SPACE RADIATION ENVIRONMENT. *Inst. Environmental Sciences, Proc.* (April 1962) 5 p.
- PDL-43897 Aukerman, L.W. and R.D. Graft. SOME RADIATION EFFECTS IN GaAs. *Symposium on Effects of Space Environment on Materials (1962)* 25 p.
- PDL-43898 Hamman, Donald J. THE EFFECTS OF SPACE RADIATION ON ELECTRONIC COMPONENTS. *Symposium on Effects of Space Environment on Materials (1962)* 11 p.
- PDL-43899 Hulten, William C. RADIATION EFFECTS OF 40 AND 440 MEV PROTONS ON TRANSISTORS. *Symposium on Effects of Space Environment on Materials (1962)* 41 p.



- PDL-44058 Freudiger, Edgar. ELECTRICAL CONTACT MATERIALS: PROPERTIES AND SELECTION. Electro-Technol. 69(6):72-78 (June 1962)
- PDL-44271 Radio Corporation of America. RCA Laboratories, Princeton, N.J. (J.J. Wysocki, J.A. Scott-Monck, B. Goldstein and R. Novak). SEMICONDUCTOR PHOTOVOLTAIC CONVERSION. ... ASTIA Doc. 265340 (July 1961) 37 p.
- PDL-44609 Denney, J.M. and R.G. Downing. CHARGED PARTICLE RADIATION DAMAGE IN SEMICONDUCTORS, I: EXPERIMENTAL PROTON IRRADIATION OF SOLAR CELLS. Space Technology Laboratories, Inc., Los Angeles, Calif. Report 8987-0001-RU-000 (September 1961) 45 p.
- PDL-44982 Easley, James W. RADIATION EFFECTS IN SEMICONDUCTOR DEVICES. Nucleonics 20(7):51-56 (July 1962)
- PDL-44983 Wertheim, Gunther. RADIATION EFFECTS IN SEMICONDUCTORS. Nucleonics 20(7):47-50 (July 1962)
- PDL-45218 Asunmaa, Saara and Tryggve Baak. IRRADIATION OF GLASS FILMS WITH A 100 KV ELECTRON BEAM. Phys. Chem. Glasses 3:46-49 (April 1962)
- PDL-45337 Kiss, Elemer. ANNOTATED BIBLIOGRAPHY ON THE VAN ALLEN BELTS. PART II. Meteorol. & Geostrophys. Abstrs. 13:182-242 (January 1962)
- PDL-45493 Jaffe, L.D. and J.B. Rittenhouse. HOW MATERIALS BEHAVE IN SPACE. Materials in Design Eng. 56(3):97-104 (September 1962)
- PDL-45497 Wolff, Michael F. WANTED: RADIATION-RESISTANT SOLAR CELLS. Electronics 35(38):28-29 (September 1962)
- PDL-46140 Evans, George R. ANTENNA AND RADOME MATERIALS AND PROPERTIES FOR SPACE AND SATELLITE USE: AN ANNOTATED BIBLIOGRAPHY. Lockheed Aircraft Corporation. Missiles and Space Division, Sunnyvale, Calif. Special Bibliography SB-61-45; ... ASTIA Doc. 269554 (October 1961) 109 p.





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