

BOOKS RECEIVED

REPORTS ON PROGRESS IN PHYSICS, Vol. 23 (1960). Edited by A. C. Stickland. 629 pp. The Physical Society, London, 1960.

THEORETICAL HYDRODYNAMICS (4th ed.). By L. M. Milne-Thomson. 660 pp. The Macmillan Co., New York, 1960. \$11.00.

THE BASIC PHYSICS OF RADIATION THERAPY. By Joseph Selman. 671 pp. Charles C Thomas, Publisher, Springfield, Ill., 1960. \$14.50.

LECTURES IN THEORETICAL PHYSICS, Vol. 2 (Summer Institute, U. of Colo., Boulder, 1959). Edited by Wesley E. Brittin and B. W. Downs. 483 pp. Interscience Publishers, Inc., New York, 1960. \$9.00.

CONTROLLED THERMONUCLEAR REACTIONS. An Introduction to Theory and Experiment. By Samuel Glasstone and Ralph H. Lovberg. 523 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$5.60.

IMPERFECTIONS IN CRYSTALS. By H. G. Van Bueren. 676 pp. (North-Holland, Amsterdam) Interscience Publishers, Inc., New York, 1960. \$16.75.

METROLOGY OF RADIONUCLIDES. Symp. Proc. (Vienna, Oct. 1959). 472 pp. IAEA, Vienna, 1960. Distributed by Internat'l Publications, Inc., New York. \$5.00.

SCIENCE STUDY SERIES PAPERBACKS. (S13) *Michelson and the Speed of Light*, by Bernard Jaffe, 197 pp. (S14) *The Universe at Large*, by Hermann Bondi, 154 pp. (S15) *Pasteur and Modern Science*, by René Dubos, 159 pp. (S16) *The Watershed: A Biography of Johannes Kepler*, by Arthur Koestler, 280 pp. (S17) *Accelerators: Machines of Nuclear Physics*, by Robert R. Wilson and Raphael Littauer, 196 pp. Doubleday Anchor Books, Garden City, N. Y., 1960. Available to secondary-school students and teachers through Wesleyan U. Press., Columbus 16, Ohio. \$.95 each.

ANNUAL REVIEW OF PHYSICAL CHEMISTRY, Vol. 11. Edited by H. Eyring, C. J. Christensen, H. S. Johnston. 588 pp. Annual Reviews, Inc., Palo Alto, Calif., 1960. \$7.00.

LARGE RADIATION SOURCES IN INDUSTRY. Vol. 1, Conf. Proc. (Warsaw, Sept. 1959). 478 pp. IAEA, Vienna, 1960. Distributed by Internat'l Publications, Inc., New York. Paperbound \$4.50.

DIGEST OF LITERATURE ON DIELECTRICS, Vol. 23 (1959). Edited by Louis J. Frisco and Thomas D. Callinan. 423 pp. Publ. 799, Nat'l Academy of Sciences—Nat'l Research Council, Washington, D. C., 1960. Paperbound \$8.00.

RELATIVITY: The General Theory. By J. L. Synge. 505 pp. (North-Holland, Amsterdam) Interscience Publishers, Inc., New York, 1960. \$16.50.

BASIC ELECTRICAL MEASUREMENTS (2nd ed.). By Melville B. Stout. 571 pp. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1960. \$13.00.

MODERN NUCLEAR TECHNOLOGY: A Survey for Industry and Business. Edited by Mark M. Mills, Arthur T. Biehl, Robert Mainhardt. 336 pp. McGraw-Hill Book Co., Inc., New York, 1960. \$9.50.

SOURCE BOOK IN ASTRONOMY 1900-1950. Edited by Harlow Shapley. 423 pp. Harvard U. Press, Cambridge, Mass., 1960. \$10.00.

THÉORIE DES GROUPES EN PHYSIQUE CLASSIQUE ET QUANTIQUE. Vol. 1, Structures mathématiques et Fondements quantiques. By Théo Kahan et al. 664 pp. Dunod, Paris, 1960. 75 NF.

SPACE RESEARCH. Symp. Proc. (Nice, Jan. 1960). Edited by Hilde Kallmann Bijl. 1195 pp. (North-Holland, Amsterdam) Interscience Publishers, Inc., New York, 1960. \$24.00.

THE THEORY OF BRILLOUIN ZONES AND ELECTRONIC STATES IN CRYSTALS. By H. Jones. 268 pp. (North-Holland, Amsterdam) Interscience Publishers, Inc., New York, 1960. \$9.50.

MANUAL OF MATHEMATICAL PHYSICS. By Paul I. Richards. 486 pp. Pergamon Press, London & New York, 1960. \$17.50.

SPECIAL RELATIVITY. By W. Rindler. 186 pp. (Oliver & Boyd, London) Interscience Publishers, Inc., New York, 1960. \$2.25.

STATISTICAL THEORY AND METHODOLOGY IN SCIENCE AND ENGINEERING. By K. A. Brownlee. 570 pp. John Wiley & Sons, Inc., New York, 1960. \$16.75.

THERMOELECTRIC MATERIALS AND DEVICES. Lectures (New York U., June 1959, 1960). Edited by Irving B. Cadoff and Edward Miller. 344 pp. Reinhold Publishing Corp., New York, 1960. \$9.75.

PRINCIPLES OF REGRESSION ANALYSIS. By R. L. Plackett. 173 pp. Oxford U. Press, London & New York, 1960. \$5.60.

FINITE-DIFFERENCE METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS. By George E. Forsythe and Wolfgang R. Wasow. 444 pp. John Wiley & Sons, Inc., New York, 1960. \$11.50.

REACTIONS BETWEEN COMPLEX NUCLEI. Conf. Proc. (Gatlinburg, Tenn., May 1960). Edited by Alexander Zucker, Frederick T. Howard, Edith C. Halbert. 319 pp. John Wiley & Sons, Inc., New York, 1960. \$7.00.

COUPLED MODE AND PARAMETRIC ELECTRONICS. By William H. Louisell. 268 pp. John Wiley & Sons, Inc., New York, 1960. \$11.50.

THEORY AND APPLICATION OF FERRITES. By Ronald F. Soohoo. 280 pp. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1960. \$12.00.

MOLECULAR DISTILLATION. By G. Burrows. 214 pp. Oxford U. Press, New York, 1960. \$5.60.

ADVANCES IN X-RAY ANALYSIS. Conf. Proc. (Denver, Colo., Aug. 1957, 1958, 1959 respectively). Edited by William M. Mueller. Vol. 1, 494 pp., \$8.50; Vol. 2, 359 pp., \$8.50; Vol. 3, 376 pp., \$12.00. Plenum Press, Inc., New York, 1960.

PLASMA ACCELERATION. Symp. Proc. (Palo Alto, Calif., Dec. 1959). Edited by Sidney W. Kash. 117 pp. Stanford U. Press, Stanford, Calif., 1960. \$4.25.

NUCLEAR STRUCTURE. Conf. Proc. (Kingston, Canada, Aug.-Sept. 1960). Edited by D. A. Bromley and E. W. Vogt. 990 pp. U. of Toronto Press, Toronto, Canada, 1960. \$16.75.

ANGEWANDTE GITTERPHYSIK: Behandlung der Eigenschaften kristallisierter Körper vom Standpunkte der Gittertheorie. By W. Kleber. 291 pp. Walter de Gruyter & Co., Berlin, 1960. DM 38.00.

Gmelin's HANDBUCH DER ANORGANISCHEN CHEMIE (8th ed.): *Oxygen*, Section 4, System No. 3, 365 pp., paperbound \$53.00. *Barium*, Supplement, System No. 30, 569 pp., paperbound \$84.50. *Strontium*, Supplement, System No. 29, 306 pp., paperbound \$46.50, clothbound \$47.50. Verlag Chemie, GmbH, Weinheim, Germany, 1960.

DIFFRACTION: STRUCTURE DES IMAGES. Influence de la Cohérence de la Lumière. Vol. 2 of Part 1, La Formation des Images, of *Traité d'Optique instrumentale*. By André Maréchal and Maurice Françon. 204 pp. Editions de la Revue d'Optique théorique et instrumentale, Paris, 1960. Paperbound \$7.52.

REVIEW OF STUDIES IN THE FLOW OF INFORMATION AMONG SCIENTISTS. Vol. 1, Text, 62 pp. Vol. 2, Tables, 48 pp. By Herbert Menzel, Louis Lieberman, Joan Dulchin. Bureau of Applied Social Research, Columbia U., New York, 1960. Distributed by Nat'l Science Foundation, Washington, D. C. Paperbound.

ENERGY FROM URANIUM AND COAL RESERVES. TID-8207. By Robert D. Nininger, Conrad I. Gardner, Milton F. Searl, Donald W. Kuhn. 7 pp. AEC, Washington, D. C., 1960. Distributed by OTS, US Dept. of Commerce, Washington, D. C. Paperbound \$50.

TABLES OF OSCULATORY INTEGRATION COEFFICIENTS. By Herbert E. Salzer, Dexter C. Shoults, Elizabeth P. Thompson. 43 pp. Convair (Astronautics) Div. of General Dynamics Corp., San Diego, Calif., 1960. Paperbound.

GASEOUS ELECTRONICS. Transactions of Second All-Union Conf. (Moscow, Oct. 1958). Bulletin of the Academy of Sciences of the USSR, Physical Series, Vol. 23, No. 8, 1959. Transl. from Russian. 117 pp. Columbia Technical Translations, White Plains, N. Y., 1960. \$20.00.

THE SCIENTIST IN AMERICAN INDUSTRY. Some Organizational Determinants in Manpower Utilization. By Simon Marcson. 159 pp. Princeton Univ., Princeton, N. J., 1960. Paperbound \$3.00.

IAEA REVIEW SERIES: Developments in the Peaceful Applications of Nuclear Energy. No. 4, *Recent Research on Controlled Thermonuclear Fusion*, by C. M. Van Atta, Robert G. Mills, Arthur H. Snell, 80 pp.; No. 5, *Mass Spectrometry for Uranium Isotopic Measurements*, by C. D. Tabor, 47 pp. IAEA, Vienna, 1960. Distributed by International Publications, Inc., New York. Paperbound \$1.00 each.

ALGEBRAIC COMPILER FOR THE BENDIX G-15 GENERAL PURPOSE DIGITAL COMPUTER. 28 pp. Bendix Corp., Computer Div., Los Angeles, Calif. Paperbound.

NUCLEAR REACTORS. Bibliographical Series No. 2. 716 pp. IAEA, Vienna, 1960. Distributed by International Publications, Inc., New York. \$5.00.

INERARED METHODS. Principles and Applications. By G. K. T. Conn and D. G. Avery. 203 pp. Academic Press Inc., New York, 1960. \$6.80.

WAVES IN LAYERED MEDIA. By Leonid M. Brekhovskikh. Transl. from Russian by David Lieberman. Transl. edited by Robert T. Beyer. Vol. 6 of Applied Mathematics and Mechanics, editor-in-chief F. N. Frenkiel. 561 pp. Academic Press Inc., New York, 1960. \$16.00.

THE ARITHMETIC OF COMPUTERS. An Introduction to Binary and Octal Mathematics. By Norman A. Crowder. 472 pp. Doubleday & Co., Inc., Garden City, N. Y., 1960. \$3.95.

HANDBOOK OF LAPLACE TRANSFORMATION. Tables and Examples. By Floyd E. Nixon. 115 pp. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1960. \$6.00.

MECHANICS. By James W. Broxon. 523 pp. Appleton-Century-Crofts, Inc., New York, 1960. \$8.50.

RUSSIA'S ROCKETS AND MISSILES. By Albert Parry. 382 pp. Doubleday & Co., Inc., Garden City, N. Y., 1960. \$4.95.

PHYSICISTS

An expansion Program at Philips Laboratories provides opportunities for qualified Physicists to become members of our professional staff

EXPERIMENTAL NUCLEAR PHYSICIST with a Masters or Ph.D. in Physics and a minimum of two to three years' experience wanted to strengthen newly organized semiconductor group, presently conducting studies on solid state nuclear radiation detectors. Interest in interaction between nuclear particles and solids vital, and a background in electronics desirable.

EXPERIMENTAL SOLID STATE PHYSICIST with a Masters or Ph.D. in Physics and a minimum of two to three years' experience wanted for newly organized semi-conductor group with a starting assignment in the general field of photoconductivity. Experience in transistor-like materials, and solid state electronic devices useful, but not essential.

EXPERIMENTAL PHYSICIST with a Masters or Ph.D. in Physics and a minimum of two to three years' experience in physical electronics wanted for an existing thermionics group working currently on thermionic converters. Experience in cathode emission essential.

PHILIPS LABORATORIES is located on a beautiful estate in Westchester County, about 20 miles north of New York City. Excellent working conditions, salaries, fringe benefits, and opportunities for professional growth are offered.

Send full resume and salary requirements in confidence to:

Mr. Martin G. Wolfert

NORTH AMERICAN PHILIPS CO., INC.

100 East 42nd Street

New York 17, N. Y.

NORELCO