

BOOKS RECEIVED

TRANSISTORS. Principles, Design, and Applications. By Wolfgang W. Gärtner. 675 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$12.50.

STUDIES IN THEORETICAL PHYSICS, PART 3. Summer School Proc. (Mussoorie, India, May-June 1959). 195 pp. Govt. of India, Ministry of Scientific Research and Cultural Affairs, New Delhi, India, 1960. Rs. 5.

ELECTRONIC MAINTAINABILITY, VOL. 3. Edited by F. L. Ankenbrandt. 312 pp. Engineering Publishers, Elizabeth, N. J., 1960. \$10.00.

THE NATURE OF PHYSICAL KNOWLEDGE. Edited by L. W. Friedrich, S.J. 156 pp. Indiana U. Press, Bloomington, Ind., and Marquette U. Press, Milwaukee, Wisc., 1960. \$4.50.

HIGH-FREQUENCY MAGNETIC MATERIALS. Their Characteristics and Principal Applications. By W. J. Polydoroff. 220 pp. John Wiley & Sons, Inc., New York, 1960. \$9.00.

TABLES OF WIGNER 3j-SYMBOLS. Research Report 60-1. By P. E. Bryant. 193 pp. U. of Southampton, Southampton, England, 1960. Paperbound.

RECURSIVE EQUIVALENCE TYPES. By J. C. E. Dekkar and J. Myhill. U. of Calif. Publ. in Math., New Series, Vol. 3, No. 3. 147 pp. U. of California Press, Berkeley & Los Angeles, Calif., 1960. Paperbound \$5.00.

THE PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS IN CONCENTRATED SOLUTIONS. Vol. 4, Systems with Inorganic & Organic or Inorganic Compounds. By Jean Timmermans. 1332 pp. Interscience Publishers, Inc., New York, 1960. \$39.00.

RADIATION INJURY IN MAN. Its Chemical and Biological Basis, Pathogenesis and Therapy. By Eugene P. Cronkite and Victor P. Bond. 200 pp. Charles C Thomas, Publisher, Springfield, Ill., 1960. \$6.50.

A TREATISE ON THE HIGHER PLANE CURVES. Intended as a Sequel to a Treatise on Conic Sections (3rd ed.). By George Salmon. 395 pp. Chelsea Publishing Co., New York, 1960. \$4.95.

DAS KONTINUUM UND ANDERE MONOGRAPHIEN (reprint). By H. Weyl, E. Landau, B. Riemann. 368 pp. Chelsea Publishing Co., New York, 1960. \$6.00.

THE CALCULUS OF EXTENSION (reprint of 1940 ed.). By Henry George Forder. 490 pp. Chelsea Publishing Co., New York, 1960. \$4.95.

AN ELEMENTARY TREATISE ON CURVE TRACING (5th ed.). By Percival Frost. Revised by R. J. T. Bell. 210 pp. Chelsea Publishing Co., New York, 1960. \$3.50.

LE PROBLÈME DU BROYAGE ET SON EVOLUTION. L'Aptitude des Matériaux au Broyage. By Roger Guillot. 186 pp. Editions Eyrolles and Editions Gauthier-Villars, Paris, 1960. 29.35 NF.

SPECTRA AND ANALYSIS. By A. A. Kharkevich. Transl. from Russian. 222 pp. Consultants Bureau Enterprises, Inc., New York, 1960. \$8.75.

ANNUAL REVIEW OF NUCLEAR SCIENCE, VOL. 10. Edited by Emilio Segrè, Gerhart Friedlander, Walter E. Meyerhof. 617 pp. Annual Reviews, Inc., Palo Alto, Calif., 1960. \$7.00.

INTRODUCTION TO NUCLEAR SCIENCE. By Alvin Glassner. 213 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$3.75.

PHYSICAL METHODS OF ORGANIC CHEMISTRY (3rd ed.). Vol. 1, Part 4 of Technique of Organic Chemistry. Edited by Arnold Weissberger. 970 pp. Interscience Publishers, Inc., New York, 1960. \$26.00.

INTRODUCTION TO CERAMICS. By W. D. Kingery. 781 pp. John Wiley & Sons, Inc., New York, 1960. \$15.00.

THE STRUCTURE OF SCIENCE. Problems in the Logic of Scientific Explanation. By Ernest Nagel. 618 pp. Harcourt, Brace & World, Inc., New York, 1960. \$7.50.

INFORMATION RETRIEVAL AND MACHINE TRANSLATION. Edited by Allen Kent. Vol. 3, Part 1 of Advances in Documentation and Library Science. Gen. editor Jesse H. Shera. 686 pp. Interscience Publishers, Inc., New York, 1960. \$23.00.

AN INTRODUCTION TO ASTRONOMY (6th ed.). By Robert H. Baker. 364 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$5.50.

FUNDAMENTALS OF AERODYNAMIC HEATING. By Robert Wesley Truitt. 257 pp. The Ronald Press Co., New York, 1960. \$10.00.

SOME IONOSPHERIC RESULTS OBTAINED DURING THE INTERNATIONAL GEOPHYSICAL YEAR. Symp. Proc. (Brussels, Belgium, Sept. 1959). Scientific editor W. J. B. Beynon. 400 pp. (Elsevier, Amsterdam) Distributed by D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$15.00.

HYDRODYNAMICS. A Study in Logic, Fact and Similitude (2nd ed.). By Garrett Birkhoff. 184 pp. Princeton U. Press, Princeton, N. J., 1960. \$6.50.

SALINE WATER CONVERSION. Symp. Proc. (Cleveland, Ohio, Apr. 1960). No. 27 of Advances in Chemistry. 246 pp. Am. Chemical Soc., Washington, D. C., 1960. Paperbound \$5.85.

FUN WITH ELECTRICITY. By Tom Kennedy, Jr. 128 pp. Gernsback Library, Inc., New York, 1960. Paperbound \$2.65, clothbound \$3.75.

INSTRUMENTATION AND HIGH-SPEED PHOTOGRAPHY. Papers reprinted from the *Journal of the SMPTE*. Vol. 1, Series 2. 187 pp. Soc. of Motion Picture and Television Engineers, New York, 1960. Paperbound \$4.00.

SCIENCE PROJECTS HANDBOOK. Edited by Shirley Moore. 253 pp. Science Service, Inc., Washington, D. C. and Balantine Books, Inc., New York, 1960. Paperbound \$5.00.

ABHANDLUNGEN AUS DEM FRITZ-HABER-INSTITUT, Vol. 36 (1959). 590 pp. Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, 1960. Paperbound.

ELÉMENTS DE PHYSIQUE NUCLÉAIRE. By Daniel Blanc and Georges Ambrosino. 238 pp. Masson & Cie, Paris, 1960. 30 NF.

FIELD THEORY OF GUIDED WAVES. By Robert E. Collin. 606 pp. McGraw-Hill Book Co., Inc., New York, 1960. \$16.50.

AN INTRODUCTION TO CELESTIAL MECHANICS. By Theodore E. Sterne. Vol. 9 of Tracts on Physics and Astronomy, edited by R. E. Marshak. 206 pp. Interscience Publishers, Inc., New York, 1960. Clothbound \$4.50, paperbound \$2.50.

APPLIED MECHANICS. Proc. of 9th Japan Nat'l Congress (Nagoya, Aug.-Sept. 1959). 481 pp. Science Council of Japan, Tokyo, 1960. Paperbound.

FUNDAMENTAL PHYSICS. By Jay Orear. 381 pp. John Wiley & Sons, Inc., New York, 1961. \$6.75.

INTERNATIONAL EDUCATION IN PHYSICS. Conf. Proc. (Paris, July-Aug. 1960). Sanborn C. Brown and Norman Clarke, eds. 191 pp. The Technology Press of MIT and John Wiley & Sons, Inc., New York, 1960. \$4.50.