

Books Received

- SOLID STATE PHYSICS: Advances in Research and Applications, Vol. 10.** Edited by Frederick Seitz and David Turnbull. 516 pp. Academic Press Inc., New York, 1960. \$14.50.
- PARAMAGNETIC RESONANCE IN SOLIDS.** By William Low. Suppl. 2 of Solid State Physics: Advances in Research and Applications, edited by Frederick Seitz and David Turnbull. 212 pp. Academic Press Inc., New York, 1960. \$7.50.
- AN INTRODUCTION TO STATISTICAL COMMUNICATION THEORY.** By David Middleton. 1140 pp. McGraw-Hill Book Co., Inc., New York, 1960. \$25.00.
- TABLES OF PHYSICAL AND CHEMICAL CONSTANTS: and Some Mathematical Functions (12th Revised Ed.).** Originally compiled by G. W. C. Kaye and T. H. Laby. Revision eds., N. Feather, H. Barrell, E. A. Coulson, J. M. C. Scott. 231 pp. Longmans, Green & Co., New York, 1959. \$5.50.
- BASIC RESEARCH RESUMES: A Survey of Basic Research Activities in the Air Research and Development Command.** 334 pp. PB 161291. OTS, Dept. of Commerce, Washington, D. C., 1959. Paperbound \$5.00.
- QUANTUM ELECTRONICS: A Symposium.** Edited by Charles H. Townes. 606 pp. Columbia U. Press, New York, 1960. \$15.00.
- HARPER TORCHBOOKS. From Atomos to Atom: The History of the Concept Atom** (Reprint of 1952 ed.), by Andrew G. Van Melsen, 240 pp., \$1.45. *Molecules in Motion* (Reprint of 1950 ed.), by T. G. Cowling, 183 pp., \$1.35. *Mathematics in Action* (Reprint of 1954 ed.), by O. G. Sutton, 236 pp., \$1.45. *Scientific Explanation: A Study of the Function of Theory, Probability and Law in Science* (Reprint of 1953 ed.), by Richard Bevan Braithwaite, 374 pp., \$1.85. *Physics and Microphysics* (Reprint of 1955 ed.), by Louis de Broglie, translated from French by Martin Davidson, 286 pp., \$1.50. *The Philosophy of Science: An Introduction* (Reprint of 1953 ed.), by Stephen Toulmin, 176 pp., \$1.25. Harper & Bros., New York, 1960. All paperbound.
- AN INTRODUCTION TO THERMONUCLEAR RESEARCH: A Series of Lectures Given in 1955.** By Albert Simon. 182 pp. Pergamon Press, London & New York, 1959. \$5.50.
- FROM NUCLEUS TO UNIVERSE: A Course of Selected Lectures in Physics and Astronomy** (Nuclear Research Found. Summer School for Science Teachers, U. of Sydney, Jan. 1960) Edited by S. T. Butler and H. Messel. 335 pp. Shakespeare Head Press Pty. Ltd., Sydney, Australia, 1960. 84s.
- NUCLEAR SCIENCE SERIES: NAS-NRC Subcommittee on Radiochemistry.** NAS-NS 3001, *The Radiochemistry of Cadmium*, by James R. DeVoe, 57 pp., \$.75. NAS-NS 3002, *The Radiochemistry of Arsenic*, by Harold C. Beard, 27 pp., \$.50. NAS-NS 3003, *The Radiochemistry of Francium*, by Earl K. Hyde, 34 pp., \$.50. OTS, Dept. of Commerce, Washington, D. C., 1960. All paperbound.
- HYDROMAGNETIC CHANNEL FLOWS.** By Lawson P. Harris. 90 pp. The Technology Press of MIT & John Wiley & Sons, Inc., New York, 1960. \$2.75.
- SOLID STATE PHYSICS IN ELECTRONICS AND TELECOMMUNICATIONS: IUPAP Conf. Proc. (Brussels, June 1958). Vol. 1, Semiconductors, Part 1.** Edited by M. Désirant and J. L. Michiels. 638 pp. Academic Press, London, 1960. £6.8.6.
- MECHANICAL RADIATION.** By Robert Bruce Lindsay. 415 pp. McGraw-Hill Book Co., Inc., New York, 1960. \$10.00.
- NUCLEAR FUSION.** Edited by William P. Allis. The 2nd Geneva Series on The Peaceful Uses of Atomic Energy, James G. Beckerley, series ed. 488 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$12.50.
- THEORY OF ELEMENTARY PARTICLES.** By Paul Roman. 575 pp. (North-Holland, Amsterdam) Interscience Publishers, Inc., New York, 1960. \$12.00.
- SURFACE EFFECTS ON SPACECRAFT MATERIALS: Symp. Proc. (Palo Alto, Calif., May 1959).** Edited by Francis J. Clauss. 404 pp. John Wiley & Sons, Inc., New York, 1960. \$11.50.
- MAGNESIUM AND ITS ALLOYS.** By C. Sheldon Roberts. 230 pp. John Wiley & Sons, Inc., New York, 1960. \$9.00.
- RECIPROCAL OF THE INTEGERS FROM 1000 to 9999: Arranged for use with mechanical calculating machines to facilitate the evaluation of quotients and compound fractions.** Appendix by T. H. Redding. 42 pp. Taylor & Francis Ltd., London, England, 1960. 18s 6d.
- PROPERTIES OF HIGH-TEMPERATURE CERAMICS AND CERAMETS: Elasticity and Density at Room Temperature.** By S. M. Lang. 45 pp. NBS Monograph 6. US Govt. Printing Office, Washington, D. C., 1960. Paperbound \$.20.
- APPLICATIONS OF THERMOELECTRICITY.** By H. J. Goldsmid. 118 pp. (Methuen & Co. Ltd., London) John Wiley & Sons, Inc., New York, 1960. \$2.25.
- BIOLOGICAL AND MEDICAL ELECTRONICS.** By Ralph W. Stacy. 308 pp. McGraw-Hill Book Co., Inc., New York, 1960. \$9.50.
- THE 3-j AND 6-j SYMBOLS.** By Manuel Rotenberg, R. Bivins, N. Metropolis, John K. Wooten, Jr. 498 pp. The Technology Press, MIT, Cambridge, Mass., 1959. \$16.00.
- PHYSICAL SCIENCE.** By Donald S. Allen and Richard J. Ordway. 825 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$8.25.
- THE MODERN ASPECT OF MATHEMATICS.** By Lucienne Félix. Translated from French by Julius H. and Fancille H. Hlavaty. 194 pp. Basic Books, Inc., New York, 1960. \$5.00.
- THE CRAFT OF TECHNICAL WRITING.** By Daniel Marder. 400 pp. The Macmillan Company, New York, 1960. \$5.00.
- TECHNICAL COMMUNICATION.** By George C. Harwell. 332 pp. The Macmillan Company, New York, 1960. \$5.00; college ed. \$3.75.
- BASIC ULTRASONICS.** By Cyrus Glickstein. 137 pp. John F. Rider Publisher, Inc., New York, 1960. Clothbound \$4.60; paperbound \$3.50.
- ACCÉLÉRATEURS DE PARTICULES ET PROGRÈS SCIENTIFIQUE.** By N. Feli. 161 pp. Dunod, Paris, France, 1960. Paperbound 12.50 NF.
- PRECISE MEASUREMENT OF HEAT OF COMBUSTION WITH A BOMB CALORIMETER.** By R. S. Jessup. 23 pp. NBS Monograph 7. US Govt. Printing Office, Washington, D. C., 1960. Paperbound \$.25.
- PHOTOGRAPHIE CORPUSCULAIRE II.** Edited by Pierre Demers. 463 pp. Les Presses Universitaires de Montréal, Montréal, Canada, 1959. \$10.00.
- RADIOISOTOPES IN SCIENCE AND INDUSTRY.** AEC Report. 176 pp. US Govt. Printing Office, Washington, D. C., 1960. Paperbound \$1.25.
- THE WORLD OF LIGHT.** By John Stewart Collis. 180 pp. Horizon Press, New York, 1960. \$3.75.

STANDARD X-RAY DIFFRACTION POWDER PATTERNS. By Howard E. Swanson, Marlene I. Cook, Thelma Isaacs, Eloise H. Evans. 64 pp. NBS Circular 539. US Govt. Printing Office, Washington, D. C., 1960. Paperbound \$4.00.

POTENTIAL NONNUCLEAR USES FOR DEPLETED URANIUM. By Harlan W. Nelson and Ronald L. Carmichael. 58 pp. TID-8203, OTS, Dept. of Commerce, Washington, D. C., 1960. Paperbound \$.75.

ZENER DIODE HANDBOOK. 96 pp. Internat'l Rectifier Corp., El Segundo, Calif., 1960. Paperbound \$2.00.

RADIATION PYROMETRY AND ITS UNDERLYING PRINCIPLES OF RADIANT HEAT TRANSFER. By Thomas R. Harrison. 234 pp. John Wiley & Sons, Inc., New York, 1960. \$12.00.

MODERN PROBABILITY THEORY AND ITS APPLICATIONS. By Emanuel Parzen. 464 pp. John Wiley & Sons, Inc., New York, 1960. \$10.75.

THIS IS OUTER SPACE. By Lloyd Motz. 199 pp. Archer House, Inc., New York, 1960. \$4.95.

ELEMENTS OF PHYSICAL CHEMISTRY (2nd Revised Ed.). By Samuel Glasstone and David Lewis. 758 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1960. \$8.50.

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ATOMIC AND NUCLEAR PHYSICS (2nd Revised Ed.). By Robert S. Shankland. 665 pp. The Macmillan Co., New York, 1960. \$8.75.

OPTICAL CRYSTALLOGRAPHY: With Particular Reference to the Use and Theory of the Polarizing Microscope (3rd Revised Ed.). By Ernest E. Wahlstrom. 356 pp. John Wiley & Sons, Inc., New York, 1960. \$8.50.

MEDICAL PHYSICS, Vol. 3. Edited by Otto Glasser. 754 pp. The Year Book Publishers, Inc., Chicago, Ill., 1960. \$25.00.

PHOTOCHEMISTRY IN THE LIQUID AND SOLID STATES: NAS-NRC Subcomm. Symp. Papers (Dedham, Mass., Sept. 1957). Edited by Lawrence J. Heidt, Robert S. Livingston, Eugene Rabinowitch, Farrington Daniels. 174 pp. John Wiley & Sons, Inc., New York, 1960. \$6.00.

PROGRESS IN SEMICONDUCTORS, Vol. 4. Edited by Alan F. Gibson, R. E. Burgess, F. A. Kröger. 291 pp. John Wiley & Sons, Inc., New York, 1960. \$10.50.

PRINCIPLES OF ELECTRICITY AND MAGNETISM. By Emerson M. and Emerson W. Pugh. 430 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1960. \$8.75.

FOUNDATIONS OF ELECTROMAGNETIC THEORY. By John R. Reitz and Frederick J. Milford. 387 pp. Addison-Wesley Publishing Co., Inc., Reading, Mass., 1960. \$8.75.

DIRECT CONVERSION OF HEAT TO ELECTRICITY. Edited by Joseph Kaye and John A. Welsh. 356 pp. John Wiley & Sons, Inc., New York, 1960. \$8.75.

THÉORIE FONDAMENTALE DU SYSTÈME PÉRIODIQUE DES ÉLÉMENTS. No. 10 of Archives de l'Institut International des Sciences Théoriques. By S. Dockx. 183 pp. Office Internat'l de Librairie, Brussels, Belgium, 1959. Paperbound.

FLUID MECHANICS. Vol. 6 of Course of Theoretical Physics. By L. D. Landau and E. M. Lifshitz. Translated from Russian by J. B. Sykes and W. H. Reid. 536 pp. (Pergamon Press Ltd., England) For US & Canada only, Addison-Wesley Publishing Co., Inc., Reading, Mass., 1959. \$14.50.

PROGRESS IN SOLID MECHANICS, Vol. 1. Edited by I. N. Sneddon and R. Hill. 448 pp. (North-Holland Publishing Co., Netherlands) Interscience Publishers, Inc., New York, 1960. \$15.50.

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