

BOOKS RECEIVED

GEOPHYSICS & EARTH SCIENCES

Motion of Charged Particles in the Earth's Magnetic Field. By Joseph W. Chamberlain. 33 pp. Gordon & Breach, New York, 1964. Cloth \$3.95; paper \$1.95.

HANDBOOKS, TABLES, ETC.

International Directory of Isotopes (3rd ed.). 487 pp. International Atomic Energy Agency, Vienna, 1964. Distr. by Nat'l Agency for International Publications, New York. \$9.00.

HISTORY & PHILOSOPHY OF SCIENCE

The Magic of Molecules. By Herbert W. Franke. Transl. from German by H. F. Brookes. 275 pp. Aberlard-Schuman, New York, 1965. \$6.00.

Science as a Cultural Force. Harry Woolf, ed. 110 pp. Johns Hopkins Press, Baltimore, 1964. \$3.95.

Civil Liability for Nuclear Damage. Conf. Proc. (Vienna, Apr.-May 1963) 522 pp. International Atomic Energy Agency, Vienna, 1964. Distr. by Nat'l Agency for International Publications, New York. Paper \$10.00.

The Discovery of Radioactivity and Transmutation. Alfred Romer, ed. 233 pp. Dover, New York, 1964. Paper \$1.65.

Kepler's Dream. By John Lear. With the full text and notes of *Somnium, Sive Astronomia Lunaris*, transl. by Patricia Frueh Kirkwood. 182 pp. University of California Press, Berkeley, 1965. \$5.00.

MATHEMATICS

Noneuclidean Geometry. By Herbert Meschkowski. Transl. by A. Shenitzer. 104 pp. Academic, New York, 1964. Paper \$2.45.

Quadratic Forms and Matrices. An Introductory Approach. By N. V. Yefimov. Transl. and edited by A. Shenitzer. 164 pp. Academic, New York, 1964. \$2.45.

The Principles and Applications of Variational Methods. By Martin Becker. 120 pp. The M.I.T. Press, Cambridge, Mass., 1964. \$5.00.

Introduction to p-Adic Numbers and Valuation Theory. By George Bachman. 173 pp. Academic, New York, 1964. Paper \$3.45.

Lectures on Matrices. By J. H. M. Wedderburn. 200 pp. (Reprint of 1934 ed.) Dover, New York, 1964. Paper \$1.65.

Applied Combinatorial Mathematics. Edwin F. Beckenbach, ed. 608 pp. Wiley, New York, 1964. \$13.50.

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Aufgaben und Lehrsätze aus der Analysis. By G. Pólya and G. Szegő. Vol. 1, 338 pp., DM 34; vol. 2, 407 pp., DM 38. Springer-Verlag, Berlin and New York, 1964.

Probability, Random Variables, and Stochastic Processes. By Athanasios Papoulis. 583 pp. McGraw-Hill, New York, 1965, \$12.75.

Les Fonctions généralisées ou Distributions. By M. Bouix. 223 pp. Masson et Cie, Paris, 1964, 46 F.

Optimal Estimation, Identification, and Control. By Robert C. K. Lee. 152 pp. M.I.T. Press, Cambridge, Mass., 1964, \$6.00.

The Statistical Analysis of Experimental Data. By John Mandel. 410 pp. Interscience, New York, 1964, \$12.00.

Applied Mathematics for Engineers and Scientists (2nd ed.). By S. A. Schelkunoff. 496 pp. Van Nostrand, Princeton, N. J., 1965, \$9.50.

Mathematical Theory of Probability and Statistics. By Richard von Mises. Hilda Geiringer, ed. 694 pp. Academic, New York, 1964, \$22.00.

MECHANICS

Three-Dimensional Problems of the Theory of Elasticity. By A. I. Lur'e. Transl. from Russian by D. B. McVean. J. R. M. Radok, ed. 493 pp. Interscience, New York, 1964, \$16.00.

The Dynamic Stability of Elastic Systems. By V. V. Bolotin. Transl. by V. I. Weingarten, L. B. Greszczuk, K. N. Trilogoff, and K. D. Gallegos. 451 pp. Holden-Day, San Francisco, 1964, \$12.95.

NUCLEAR PHYSICS

The Nuclear Properties of the Heavy Elements. Vol. 2, Detailed Radioactivity Properties. By Earl K. Hyde, Isadore Perlman, and Glenn T. Seaborg. 698 pp. Prentice-Hall, Englewood Cliffs, N. J., 1964, \$25.00.

The Nuclear Properties of the Heavy Elements. Vol. 3, Fission Phenomena. By Earl K. Hyde. 519 pp. Prentice-Hall, Englewood Cliffs, N. J., 1964, \$18.00.

Elementary Particles. By A. A. Sokolov. Transl. from Russian by William E. Jones. Transl. edited by D. Ter Haar. 75 pp. (Pergamon, Oxford) Macmillan, New York, 1964, Paper \$1.95.

Inside the Nucleus. By Irving Adler. 157 pp. The New American Library, New York, 1964, Paper 60 Cents.

Neutron Physics. By K. H. Beckurts and K. Wirtz. 444 pp. Springer-Verlag, New York, 1964, DM 68.

Structure of Atomic Nuclei. By C. Sharp Cook. 142 pp. Van Nostrand, Princeton, N. J., 1964, Paper \$1.50.

Annual Review of Nuclear Science, Vol. 14. Emilio Segrè, ed. 510 pp. Annual Reviews, Palo Alto, Calif., 1964, \$8.50.