

books OF THE WEEK

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INTRODUCTION TO GEOMETRY—G. A. Dickinson—Philosophical Lib., 1967, 174 p., diagrams, \$6. An abbreviated presentation with emphasis on the technique of problem-solving.

LEARNING TO READ: The Great Debate—Jeanne S. Chall—McGraw-Hill, 1967, 372 p., illus., \$8.50. An inquiry into the science, art and ideology of old and new methods of teaching children to read, based on analysis of research studies and on interviews with proponents of various methods.

MARINE GEOTECHNIQUE—Adrian F. Richards, Ed.—Univ. of Ill. Press, 1967, 327 p., illus., \$8.95. Proceedings of 1966 International Research Conference, represents the state of the art in aerial investigations, the sampling and measurements of sediments and rocks flooring the oceans.

MATERIALS—A SCIENTIFIC AMERICAN BOOK—Freeman, 1967, 210 p., illus., \$5, paper, \$2.50. An authoritative review of the new science and technology of materials, first published in the September, 1967 single-topic issue of SCIENTIFIC AMERICAN.

THE NATIONAL WATERWAY: A History of the Chesapeake and Delaware Canal, 1769-1965—Ralph D. Gray—Univ. of Ill. Press, 1967, 279 p., \$8.95. A full-length study of the long financial, legal and political struggle that preceded the sealevel waterway as it exists today.

THE NATURE OF TIME—T. Gold, Ed., with D. L. Schumacher—Cornell Univ. Press, 1967, 248 p., diagrams, \$8.75. A high-level, informal

discussion of the phenomenon of time and the possible ways of measuring it. The participating astronomers, physicists and mathematicians deal with thermodynamic time in cosmology, irreversible processes, microphysics, the PCT theorem and related matters.

PHYSICS OF MANY-PARTICLE SYSTEMS: Methods and Problems, Vol. 1—Emmanuel Meeron, Ed.—Gordon & Breach, 1967, 688 p., diagrams, ref. ed. \$39.50; prof. ed. \$24.50. Topics range from the techniques of high-speed computer experiments to non-equilibrium phenomena in stellar atmospheres.

PIPING HANDBOOK—Reno C. King, Ed., formerly edited by Sabin Crocker—McGraw-Hill, 1967, 5th ed., multi-paged, illus., \$31.50. Giant single-volume reference to the design, specification, fabrication, installation, testing and inspection of complete piping systems.

PREHISTORIC MEN—Robert J. Braidwood—Morrow, 1968, 7th ed., 181 p., illus., \$5. Completely revised and updated by author, this lucid, concise introduction to the way prehistoric men lived, shows how the stage was set for the appearance of the urban civilizations of the Western cultural tradition.

PRIMATE ETHOLOGY—Desmond Morris, Ed.—Aldine Pub. Co., 1968, 374 p., 14 plates, drawings, \$10.75. Collection of specially commissioned papers on such aspects of primate life as facial expressions, sexual signals, grooming, play, social organization, and parental care.

REDUCING THE COST OF SURVEYS—Seymour Sudman—NORC (Aldine Pub. Co.), 1968, 246 p., \$7.95. Describes recent efforts to understand the survey process better, deals with techniques to reduce survey costs and describes methods of getting more information for the same budget.

SCIENTIFIC ACTIVITIES OF NONPROFIT INSTITUTIONS: 1964 Expenditures and January 1965 Manpower—National Science Foundation—GPO, 1967, 111 p., illus., paper, 60¢. Survey covers research institutes, Federal Contract Research Centers managed by nonprofit institutions, science exhibitors, professional and technical societies, academies of science and private philanthropic foundations.

THE SOCIAL WELFARE FORUM, 1967: Official Proceedings, 94th Annual Forum—Mary Houk, Chmn.—Columbia Univ. Press, 1967, 260 p., \$6. Papers deal with social welfare's responsibility, the environmental factors shaping our cities, response of business to social welfare, and implications of change for social agencies.

SOCIAL WORK PRACTICE, 1967: Selected Papers, 94th Annual Forum, National Conference on Social Welfare, Dallas, 1967—Werner W. Boehm and others, foreword by Arnulf M. Pins—Columbia Univ. Press, 1967, 255 p., \$6. Papers deal with new models for social work practice, with case work, community organization and group work, policy formulation and research.

SUPPLEMENT (1961-1965) TO THE CHECK LIST OF PLANT AND SOIL NEMATODES: A Nomenclatorial Compilation—Armen C. Tarjan—Univ. of Fla. Press, 1967, 115 p., \$6. Supplement lists chronologically the changes and additions to the original check list published in 1960.

SWEEPER OF THE SKIES: A Story of the Life of Caroline Herschel, Astronomer—Frances Lowry Higgins—Follett Pub. Co., 1967, 127 p., illus., \$3.25. For young readers.

TEACHING BIOLOGY—Jean Bremner—St. Martin's Press, 1967, 116 p., illus., \$3.50. Outlines the main ways of presenting biological knowledge and methods in the class situation, with examples taken from a number of syllabi followed by secondary school children.

THEODOR BOVERI: Life and Work of a Great Biologist, 1862-1915—Fritz Baltzer, transl. from German by Dorothea Rudnick—Univ. of Calif. Press, 1968, 165 p., plates, diagrams, \$6. Biography links the recent advances in biology with the ingenious experiments which led Boveri into cytology, embryology and genetics, pioneering in what is now known as cell biology.

THE THEORY OF GAMES AND LINEAR PROGRAMMING—S. Vajda—Methuen (Barnes & Noble), 1967, 106 p., diagrams, \$3.25; paper, \$1.75. Systematic and comprehensive account of

a new branch of applied mathematics, based on algebraic concepts.

TREE NUTS: Production, Processing, Products, Vols. 1 and 2—Jasper Guy Woodroof—Avi Pub. Co., 1967, 356 p., 373 p., illus., \$18.50. Vol. 1 deals with almonds, Brazil and cashew nuts, chestnut and filberts; vol. 2, with pecans, English and black walnuts, pine and pistachio nuts.

VIEWS OF MEDICAL EDUCATION AND MEDICAL CARE—John H. Knowles, Ed.—Harvard Univ. Press, 1968, 178 p., illus., \$4.75. Presents the well-documented opinions of men distinguished in the fields of medicine, education and government, concerned with the quality of medical care in the United States.

WAR ON POVERTY—Louise Lander, Ed.—Facts on File, 1967, 167 p., paper, \$2.45. Background information on the legislation and various specific programs.

THE WORLD FROM ABOVE—Oto Bihalji-Merin and others, Hanns Reich, Ed.—Hill and Wang, 1967, 104 p., 104 photographs, \$7.50. Printed in Switzerland, the book shows extraordinary details and formations of the earth's surface, such as the joints of glaciers, drifting dunes and dune fortifications, open coal diggings and photographs taken by carrier pigeons.

THE WORLD OF THE WOLF—Russell J. Rutter and Douglas H. Pimlott—Lippincott, 1968, 202 p., photographs by D. H. Pimlott, \$5.95. Follows the wolf in its natural habitat through the seasons, combining a rather complete outline of what is known about wolves with personal observations.

TEXTBOOKS

LABORATORY MANUAL FOR COLLEGE GEOLOGY—Peter Fenner—Appleton, 1967, 132 p., illus., paper, \$4. An introductory geology laboratory manual that is independent of specific collections of minerals, rocks, maps and fossils. Adaptable to one-year course or one-semester survey course.

LECTURES ON MODERN ALGEBRA—P. Dubreil and M. L. Dubreil-Jacotin, transl. from French by A. Geddes—Hafner Pub. Co., 1967, 364 p., \$16.80. Intended as a textbook for undergraduates, the book covers completely the material for an honors course in algebra.

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