

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N. W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

THE AMERICAN GRASS BOOK: A Manual of Pasture and Range Practices—Sellers G. Archer and Clarence E. Bunch—*Univ. of Oklahoma Press*, 330 p., illus., \$3.95. A correlation of the principles of soil and plant management to the establishment and management of grass lands.

THE CHEMICAL INDUSTRY: Facts Book—Manufacturing Chemists' Assoc., 108 p., illus., paper, \$1.00. Details chemical contributions to human needs—health, food production, clothing, construction materials and security.

CHEMICAL PHYSIOLOGY OF CONTRACTION IN BODY AND HEART MUSCLE—A. Szent-Györgyi—*Academic Press*, 135 p., illus., \$4.80. Covers the molecular mechanism of motion, a study on the heart muscle fiber and interpretations of the problem, as seen by the discoverer of actomyosin.

CHICHEN ITZA: Architectural Notes and Plans—Karl Ruppert—*Carnegie Institution of Washington*, Pub. 595, 169 p., illus., paper \$4.25, cloth \$4.85. A record of the minor excavations of this ancient Mayan city in Yucatan.

COLLIER'S WORLD ATLAS AND GAZETTEER: Presenting the World in Its Geographical, Physical and Commercial Aspects—P. F. Collier & Son, 480 p., illus., \$17.50. Contains 120 pages of Rand-McNally maps, final 1950 census figures for the U. S., and a 266 p. gazetteer.

ENGINEERING DRAWING—Josef V. Lombardo, Lewis O. Johnson, W. Irwin Short and Albert J. Lombardo—*Barnes and Noble*, College Outline Series, 432 p., illus., paper, \$2.00. A guide, keyed to the standard textbooks, that will aid the student to master the essentials of engineering drawing.

ESTIMATION OF ORGANIC COMPOUNDS—F. Wild—*Cambridge*, 239 p., illus., \$4.75. Describes all the important ways of analysis.

FISHERY SCIENCE: Its Methods and Applications—George A. Rounsefell and W. Harry Everhart—*Wiley*, 444 p., illus., \$7.50. Presents the problems found in the research, conservation and management of fishery resources.

HAMMOND'S GUIDE TO NATURE HOBBIES—E. L. Jordan—*Hammond*, 64 p., illus., \$2.95.

If you are interested in rocks and minerals, shells, plants, terrariums, aquariums, birds, butterflies and other insects, photography, hunting and fishing, this will start or improve your nature hobby.

HISTOLOGY—Arthur Worth Ham—*Lippincott*, 2nd ed., 866 p., illus., \$10.00. Many sections, including those on the cell, the ordinary connective tissue, the impulse-conducting system of the heart, and the liver have been revised and brought up-to-date.

AN INVENTORY OF SOCIAL AND ECONOMIC RESEARCH IN HEALTH—Frederick R. Strunk—*Health Information Foundation*, 180 p., paper, free upon request direct to publisher, 420 Lexington Ave., New York 17, N. Y. Brief abstracts of projects being conducted.

INVITING BIRD NEIGHBORS—Mary P. Sherwood and Eva L. Gordon—*N. Y. State College of Agriculture*, Cornell Rural School Leaflet Vol. 46 No. 4, 32 p., illus., paper, 10 cents. How to build bird houses and feeding trays that will attract birds to your neighborhood.

KERNEL FUNCTIONS AND ELLIPTIC DIFFERENTIAL EQUATIONS IN MATHEMATICAL PHYSICS—Stefan Bergman and M. Schiffer—*Academic Press*, 432 p., \$8.00. Covers the theory of boundary value problems in partial differential equations.

KNOWING YOUR NEWSPAPER—Geraldine Saltzberg—*World Bk.*, 101 p., paper, 96 cents. A high school text designed to aid the student in reading newspapers critically, and to understand and evaluate the many aspects of the modern newspaper.

MAN IN SPACE—Heinz Haber—*Bobbs-Merrill*, 291 p., illus., \$3.75. Analyzes the physical and psychological hazards man faces in space.

MAY BEETLES OF THE UNITED STATES AND CANADA—Philip Luginbill, Sr. and Henry R. Painter—*Gov. Printing Office*, USDA Tech. Bul. 1060, 180 p., illus., paper, 60 cents. Rearranges the classification of the May Beetle, utilizing the genitalia variations as an important characteristic.

PHARMACY'S PLACE IN SCIENTIFIC DEVELOPMENT—George D. Beal—*Mellon Institute*, 9 p., paper, free upon request direct to publisher, 4400 Fifth Avenue, Pittsburgh 13, Pa.

PIPELINE BRIDGE STABILIZED WITH DIAGONAL ROPE STAYS. WIND TUNNEL MODEL TESTS OF COOSA RIVER PIPELINE BRIDGE—D. B. Steinman and F. J. Maher—*Virginia Polytechnic Inst.*, Eng. Expt. Sta. Ser. No. 84, 20 p., illus., paper, 25 cents. A study of the magnitude and extent of the regions of aerodynamic instability, and how they were strengthened.

QUANTUM CHEMISTRY—Kenneth S. Pitzer—*Prentice-Hall*, 529 p., illus., \$7.50. A college text describing the theoretical concepts and experimental data of quantum chemistry. Limits the amount of mathematics needed for comprehension.

RED MAN'S AMERICA: A History of Indians in the United States—Ruth M. Underhill—*Univ. of Chicago Press*, 400 p., illus., \$5.50. Surveys Indian societies from the arrival of the first Stone Age hunters to present-day American citizens.

THE REVOLUTION IN PHYSICS: A Non-mathematical Survey of Quantum—Louis De Broglie, translated by Ralph W. Niemeyer—*Noonday Press*, 310 p., \$4.50. The history of the quantum theory, from its roots in classical mechanics to its role in present-day research, written in non-technical language for the layman by a Nobel Prize winner.

ROSES FOR THE HOME—S. L. Emsweller and W. D. McClellan—*Gov. Printing Office*, U. S. Dept. of Agriculture Home and Garden Bul. 25, 38 p., illus., paper, 15 cents. The classification, culture, propagation, diseases and insect enemies of roses are included in this booklet.

SCIENCE IN DAILY LIFE—Francis D. Curtis and George G. Mallinson—*Ginn*, 570 p., illus., \$3.96. Designed to give facts that will aid the student's comprehension of the principles underlying familiar and practical applications of science. For high school general science courses.

THE TRUE BOOK OF HONEYBEES—John Lewellen—*Childrens Press*, 47 p., illus., \$2.00. The story of the honeybee and its colony. For third graders.

THE TRUE BOOK OF PLANTS WE KNOW—O. Irene Sevey Miner—*Childrens Press*, 46 p., illus., \$2.00. Children learn about plants and the part they play in our daily lives. For first graders.

TRUTH IS OUR WEAPON—Edward W. Barrett *Funk & Wagnalls*, 355 p., illus., \$4.00. Analyzes United States information and propaganda programs in the light of recent investigations and presents a proposal for U.S. public relations with the world.

WATER AND SEWAGE WORKS: Reference and Data Edition—Linn H. Enslow, Ed.—*Gillette*, 364 p., illus., paper, 50 cents. An addition to the regular May issue, this covers recent developments, data on manufacturers, etc.

WESTERN ATLANTIC SCORPIONFISHES—Isaac Ginsburg—*Smithsonian Institution*, Vol. 121, No. 8, 103 p., illus., paper, \$1.10. Descriptions of the scorpaenids based primarily on the collection of the U. S. National Museum. The reduction to synonymy of some 18 supposedly new species is included.

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