

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.

ASTM STANDARDS ON TEXTILE MATERIALS: With Related Information—ASTM Committee D-13 on Textile Materials—*American Society for Testing Materials*, Nov. 1956 ed., 810 p., illus., paper, \$6.25. Of the 126 standards and tentatives, 21 are new and 8 were revised since the previous edition.

ARCHAEOLOGY OF THE FUNERAL MOUND OCMULGEE NATIONAL MONUMENT, GEORGIA—Charles H. Fairbanks, introduction by Frank M. Setzler—*Govt. Printing Office*, National Park Service, Archaeological Research Series Number Three, 95 p., illus., paper, \$1.00. Describing the finds made at what is now Ocmulgee National Monument and reconstructing the manner of life of the prehistoric peoples of Georgia.

DAHLAK—Gianni Roghi and Francesco Baschieri, translated from the Italian by Priscilla Hastings, edited by Eleanor Brockett—*Essential Books*, 280 p., illus., \$6.00. Story of the Italian expedition to the Archipelago of Dahlak and beneath the waters of the Red Sea.

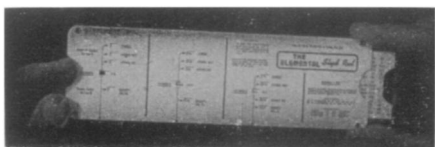
ELECTRONIC COMPUTERS: Principles and Applications—T. E. Ivall, Ed.—*Philosophical Library*, 167 p., illus., \$10.00. A non-mathematical introduction. Both digital and analog computers are covered. The book is of British origin.

EMERGENCY MEDICAL CARE IN DISASTERS: A Summary of Recorded Experience—John W. Raker, Anthony F. C. Wallace and Jeannette F. Rayner with the collaboration of Anthony W. Eckert—*National Academy of Sciences—National Research Council*, Publication No. 457, Disaster Study Number 6, 75 p., paper, \$1.50. Emergency medical care, the chairman points out, involves more than medical and hospital personnel; it is a total community responsibility.

ENGINEERING STRUCTURAL FAILURES: The Causes and Results of Failure in Modern Structures of Various Types—Rolt Hammond with a foreword by Sir Bruce White—*Philosophical Library*, 224 p., illus., \$12.00. A study of how accidents happen and the lessons they help to teach.

FOOD CONSUMPTION OF HOUSEHOLDS IN THE UNITED STATES—Faith Clark, Janet Murray and Ennis C. Blake and others—*Govt. Printing Office*, USDA Household Food Consumption Survey 1955, Report No. 1, 196 p., paper, \$1.25. The new convenience food products were found to have gained a place in the typical American household but so far have not caught up with the more conventional items.

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FRUITS OF WOODS AND FENCEROWS—Eva L. Gordon and John I. Green—*New York State College of Agriculture*, Cornell Rural School Leaflet Volume 50, Number 2, Fall 1956, 32 p., illus., paper, 20 cents. Information to add interest to a stroll in the country.

A HANDBOOK ON THE CONTEMPORARY MIDDLE EAST: Sectional Introductions with Annotated Bibliographies—H. B. Sharabi—*Georgetown University*, (*American Council of Learned Societies*) 113 p., illus., paper, \$1.50. Interesting background material for understanding this trouble spot and the outside influences that bear upon it.

THE HERPETOLOGY OF SINAI—Karl P. Schmidt and Hymen Marx—*Chicago Natural History Museum*, Fieldiana: Zoology, Volume 39, No. 4, 20 p., illus., paper, 40 cents. The animal life of the Sinai Peninsula is interesting because it is a connecting link between southwest Asia and northeast Africa and because, despite the long history of the region, its fauna is not yet adequately known.

HOW TO APPLY AND SINTER FLUOROCARBON COATINGS—Gene Bartzak—*Gene Bartzak Associates*, 16 p., illus., paper, 50 cents. Describing use of this method to avoid sticking and corrosion and for other purposes.

HOW TO PROSPECT FOR URANIUM—Hubert Lloyd Barnes—*Dover*, 117 p., illus., paper, \$1.00. Telling where and how the intelligent layman may search for uranium and what he must do to protect his rights.

INDUSTRIAL DEVELOPMENT: Problems and Opportunities for Small and Medium Size Cities—Max H. Thornton and others—*Midwest Research Institute*, 92 p., paper, \$4.00. Proceedings of a conference held in September, 1956.

INTEGRATED ANATOMY AND PHYSIOLOGY—Carl C. Francis and Gordon L. Ferrell—*Mosby*, 3d ed., 641 p., illus., \$5.85. Textbook for the student who requires a basic knowledge of the human body and its functions.

MD MEDICAL NEWSMAGAZINE: Volume I, No. 1, January 1957—Felix Marti-Ibanez, Ed-in-chief—*MD Publications*, 80 p., illus., paper monthly, \$7.50 per year, circulated on complimentary basis to physicians. A general news magazine to report events of interest to the medical profession.

MINERALS YEARBOOK 1953: Volume I, Metals and Minerals (Except Fuels)—Staff, Bureau of Mines, Division of Minerals—*Govt. Printing Office*, 1373 p., illus., \$4.50. Based largely upon information obtained from mineral producers, processors and users.

THE MODIFICATION OF SOCIAL RESPONSIVENESS IN INSTITUTIONAL BABIES—Harriet Lange Rheinbold—*Child Development Publication*, Monographs of the Society for Research in Child Development, Volume XXI, No. 2, 1956, 48 p., illus., paper, \$1.75. Controlled experiments showed an increase in social responsiveness of infants who have been "mothered" by a single individual and this friendliness was demonstrated not only toward the "mother" but to others.

NATIONAL SCIENCE FOUNDATION SIXTH ANNUAL REPORT FOR THE FISCAL YEAR ENDED JUNE 30, 1956—Alan T. Waterman, Director—*Govt. Printing Office*, 189 p., illus., paper, 75 cents.

NEW HORIZONS IN ASTRONOMY—Fred L. Whipple, Ed.—*Govt. Printing Office*, Smithsonian

ian Contributions to Astrophysics Volume 1, Number 1, 181 p., illus., paper, \$1.50. A group of contributions by authorities in this field. (See SNL, Feb. 9, p. 88.)

ON HUMAN COMMUNICATION: A Review, A Survey and a Criticism—Colin Cherry—*Technology Press, MIT and Wiley*, 333 p., illus., \$6.75. A book of simple essays written to serve as an introduction for the general reader to a series of volumes on communication which will appear during the next few years. Includes chapters on language, signals and statistical theory.

THE ORIGIN OF THE DOG—Edwin H. Colbert—*American Museum of Natural History*, 14 p., illus., paper, 55 cents. Tracing the ancestry of man's best friend back some 40,000,000 years. An illustrated table is included which shows "One Hundred Aristocrats of the Dog World."

OUR ENDANGERED WILDLIFE—Robert F. Cooney and others—*National Wildlife Federation*, 31 p., illus., paper, 15 cents. Describing some of our rare and disappearing wild creatures and telling what must be done to save them from extinction.

THE PATIENT SPEAKS: Mother Story Verbatim in Psychoanalysis of Allergic Illness—Harold A. Abramson—*Vantage*, 239 p., \$3.50. Revealing the psychological treatment of allergy from which more than 5,000,000 people are now suffering. Technical terms and procedures have been eliminated for smoother reading by the layman.

PROCEEDINGS FIRST INTERNATIONAL CONFERENCE ON THE USE OF ANTIBIOTICS IN AGRICULTURE—L. A. Maynard and others—*National Academy of Sciences—National Research Council*, Publication 397, 278 p., illus., \$2.50. This meeting was held under the auspices of the Agricultural Board and the Agricultural Research Institute in October 1955.

PROTECTING OUR LIVING WATERS—*National Wildlife Federation*, 16 p., illus., paper, 10 cents. What communities can do to protect their precious water supply.

QUANTUM CHEMISTRY: An Introduction—Walter Kauzmann—*Academic*, 744 p., illus., \$12.00. More space than usual is devoted to discussions of the nature and seriousness of the mathematical approximations one needs to use in solving many quantum chemical problems.

REPORT ON OILY SUBSTANCES AND THEIR EFFECTS ON THE BENEFICIAL USES OF WATER—Jack Edward McKee—*State Water Pollution Control Board (California State Printing Div.)*, 72 p., illus., paper, \$1.25. In addition to giving water an "extremely unpalatable taste," oily substances may have a bad effect on fish and wild birds.

SEMINOLE MUSIC—Frances Densmore—*Govt. Printing Office*, Bureau of American Ethnology Bulletin 161, 223 p., illus., paper, \$1.00. This report records not only the music but also the customs, traditions and ways of life of these very reticent people.

SHIPS IN THE SKY: The Story of the Great Dirigibles—John Toland—*Holt*, 352 p., illus., \$4.95. The story of the Hindenburg disaster is a feature of the book.

TABLE OF THE FRESNEL INTEGRAL TO SIX DECIMAL PLACES—T. Pearcey, Compiler—*Cambridge University Press*, 63 p., \$2.50. For reference use by physicists and mathematicians.

VASTNESS OF THE SEA: Adventure in the Mysterious Depths—Bernard Gorsky, translated from the French by Alec Brown—*Little, Brown*, 305 p., illus., \$5.00. The story of four men who explored the ocean depths with cameras and spears.

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