• Books of the Week •

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient puchase 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.

ADVANCES IN GEOPHYSICS, Vol. 5—H. E. Landsberg and J. Van Mieghem, Eds.—*Academic*, 325 p., illus., $10. Survey of Polar Years to IGY, on microseisms, oceanic tides, ultraviolet absorption process in the upper atmosphere, and the physics of cloud modification. Bibliographies.

THE ART OF NAVIGATION: In England in Elizabethan and Early Stuart Times—D. W. Waters, foreword by the Earl Mountbatten of Burma—*Yale*, 696 p., illus., $12.50. A British Admiralty historian sets down the development of navigation in the 16th and 17th centuries.

THE AZTECS: People of the Sun—Alfonso Caso, transl. from Spanish by Lowell Dunham—*Univ. of Okla. Press*, 125 p., illus. by Miguel Covarrubias, photographs, $7.95. An account of the Aztec people, their art, customs, religion and practice of magic.

BALLOONING IN THE SPACE AGE—Lynn Poole—*Whittlesey* House, 160 p., illus. by Gustav Schrotter, $3. The history of free ballooning from Montfolfier in 1783 to the thin-gauge plastic balloons of today.

CORAL ISLAND: Portrait of an Atoll—Marston Bates and Donald P. Abbott—*Scribner*, 254 p., illus., $4.95. The story of a scientific expedition on Ifaluk Atoll, half a square mile of inhabited coral reef in the Pacific.

A FIELD GUIDE TO REPTILES AND AMPHIBIANS: Of the United States and Canada East of the 100th Meridian — Roger Conant — *Houghton*, 366 p, illus. by Isabelle Hunt Conant, $3.95. Includes every species of turtle, alligator, lizard, snake, newt and frog in eastern North America.

A GUIDE FOR HIGHWAY SALVAGE PROGRAMS IN ARCHAEOLOGY, HISTORY AND PALEONTOLOGY— Fred Wendorf, Chairman—*Committee for Highway Salvage Archaeology*, 14 p., paper, free upon request direct to publisher, P.O.B. 1727, Santa Fe, N. M. Describes cooperative program of U. S. Bureau of Public Roads, N. M. State Highway Dept. and Museum of New Mexico.

HOME CARE IN ARTHRITIS: A Handbook for Patients—*Arthritis and Rheumatism Foundation*, 24 p., illus., paper, free upon request direct to publisher, 10 Columbus Circle, New York 19, N. Y.

THE METALLURGICAL, CHEMICAL AND OTHER PROCESS USES OF COAL—R. A. Glenn and H. J. Rose—*Bituminous Coal Research*, 64 p., illus., $3. Survey of yields, unit fuel and power consumption, typical end products and their uses.

PATTERNS OF DISCOVERY: An Inquiry into the Conceptual Foundations of Science—Norwood Russell Hanson—*Cambridge Univ. Press*, 241 p., illus., $5.50. Essay stresses philosophical aspects of microphysical thinking.

PERSPECTIVES IN MARINE BIOLOGY—A. A. Buzzati-Traverso, Ed.—*Univ. of Calif. Press*, 621 p., illus., $10. Papers presented at a symposium held in 1956 at Scripps Institute of Oceanography.

PRACTICAL CHEMISTRY FOR SCHOOLS—C. Jenkins—*Cambridge Univ. Press*, 222 p., illus., $1.75. Series of experiments for junior high and high school level.

RADIATION BIOLOGY AND MEDICINE: Selected Reviews in the Life Sciences—Walter D. Claus, Ed.—*Addison-Wesley* for the U. S. Atomic Energy Commission, 944 p., illus., $11.50. Advances in the use and effects of nuclear radiation in the life sciences, presented at Geneva Conference.

SCHIZOPHRENIA—Manfred Sakel—*Philosophical Lib.*, 334 p., illus., $5. Describes the insulin shock therapy for schizophrenia which the late author introduced in 1927.

SCIENCE NEWS 49—Archie and Nan Clow, Eds.—*Penguin*, 126 p., illus., paper, 65¢. Articles on gravitational waves, silicones, bubble chambers, and reports on British research.

SCIENTIFIC USES OF EARTH SATELLITES— James A. Van Allen, Ed.—*Univ. of Mich. Press*, 2nd rev. ed., 316 p., illus., $10. Handbook of experiments proposed and executed in the U. S. program of scientific observations with satellites.

A SCIENTIST OF TWO WORLDS: Louis Agassiz —Catherine Owens Peare—*Lippincott*, 188 p. illus., $3. Story of the great naturalist and teacher told for young people.

SEX AND THE ADOLESCENT—Maxine Davis, foreword by J. Roswell Gallagher—*Dial Press*, 317 p., $5. A guide for young people and their parents.

STATISTICS AND TIME DEPENDENCE OF MECHANICAL BREAKDOWN IN FIBERS—Bernard D. Coleman—*Mellon Institute*, 15 p., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa.

TECHNICAL EDUCATION AND SOCIAL CHANGE— Stephen F. Cotgrove—*Allen & Unwin (Essential Bks.)*, 220 p., $3.50. Analysis of the various social factors which have influenced the recruitment of students to the technical colleges in Eangland, with discussion of the future.

THE TEEN-AGE DIET BOOK—Ruth West—*Messner*, 180 p., illus. by Don Trawin, $3. Emphasizes the importance of both activity and a well-balanced diet for the adolescent.

THERE'S ADVENTURE IN CIVIL ENGINEERING— Neil P. Ruzic—*Pop. Mechanics*, 187 p., illus. by Frank C. Murphy, $2.95. Acquaints boys with the problems of the builders of the Pan-American Highway.

TRACE ELEMENTS—C. A. Lamb, O. G. Bentley and J. M. Beattie, Eds.—*Academic*, 410 p., illus., $12. Proceedings of conference held in 1957 at Ohio Agricultural Experiment Station, Wooster, Ohio.

U. S. RESEARCH REACTOR OPERATION AND USE —Joel W. Chastain, Jr., Ed.—*Addison-Wesley* for U. S. Atomic Energy Commission, 366 p., illus., $7.50. Presented at the Geneva Conference, September 1958.

WEATHER AND CLIMATE—Clarence E. Koeppe and George C. De Long—*McGraw*, 341 p., illus., $7.50. Non-technical college-level treatment of modern weather principles and processes.

WHAT MAKES IT GO?—Rose Wyler and Gerald Ames—*Whittlesey House*, 64 p., illus. by Bernice Myers, $2.50. All kinds of machines, from roller skates to rockets, explained in simple language and with clever drawings.

THE WORLD OF SCIENCE: Scientists at Work Today in Many Challenging Fields—Jane Werner Watson, foreword by Earnest C. Watson— *Simon and Schuster*, 216 p., color photographs, diagrams, $4.95. Modern picture book describing scientific processes and equipment.

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