

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.

BEHAVIOUR OF METALS AT ELEVATED TEMPERATURES: Lectures Delivered at the Institution of Metallurgists Refresher Course, 1956—N. P. Allen and others—*Philosophical Library*, 122 p., illus., \$6.00. Of interest to metallurgists and engineers designing equipment for high temperature operation.

BOTANY LABORATORY MANUAL—Erich Steiner, Alfred S. Sussman and Warren H. Wagner, Jr.—*Dryden Press*, 260 p., illus., paper, \$3.40. A manual for elementary botany. A teacher's guide is available.

THE CARBOHYDRATES: Chemistry, Biochemistry, Physiology — Ward Pigman, Ed. — *Academic*, 902 p., \$20.00. A reference work for chemists and others and a text for graduate courses.

CHEMISTRY OF NATURAL AND SYNTHETIC RUBBERS—Harry L. Fisher—*Reinhold*, 208 p., illus., \$6.50. It is only in recent years that chemists have known much about these substances.

COMPARATIVE PHYSIOLOGY OF THE NERVOUS CONTROL OF MUSCULAR CONTRACTION—Graham Hoyle—*Cambridge University Press*, Cambridge Monographs in Experimental Biology 8, 147 p., diagrams, \$3.00. Muscle cells are found even in the sponges, but sponges have no nerve cells, so excitation of these muscle cells must result entirely from local stresses.

THE ECOLOGY OF MAN — Paul B. Sears — *Oregon State System of Higher Education*, 61 p., illus., paper, \$1.00. Telling of the effect of

the environment on man and his influence on his surroundings.

EXPLORING BY SATELLITE: The Story of Project Vanguard—Franklyn M. Branley—*Crowell*, 42 p., illus. with drawings by Helmut K. Wimmer, \$3.00. A timely book.

THE FASCINATION OF NUMBERS—W. J. Reichmann—*Essential Books*, 176 p., \$4.00. Explaining the relations and peculiarities of numbers, and including tricks, games and puzzles based on them.

FIELDBOOK OF ILLINOIS MAMMALS—Donald F. Hoffmeister and Carl O. Mohr — *Illinois Natural History Survey Division*, 233 p., illus., \$1.75. For each of 59 species is given a description, life history, and characteristic signs such as homes, trails and footprints.

FISHES OF THE WORLD—Edouard Le Danois with the collaboration of Jacques Millot, Theodore Monod, and Paul Budker—*Countryman Press*, 190 p., illus., \$12.50. The photographs illustrating this book are breath-takingly beautiful.

GEOLOGY OF THE CLIFTON FORGE IRON DISTRICT, VIRGINIA—Frank G. Lesure—*Virginia Polytechnic Institute*, Engineering Experiment Station Series No. 118, 130 p., illus., maps, \$1.00. The iron deposits in this area produced about 10,000,000 tons of ore from 1832 to 1925.

HIGHWAY NEEDS STUDIES 1957—David M. Baldwin and others—*Highway Research Board*, Bulletin 158, 133 p., illus., paper, \$2.80. It has been found possible to predict accident rate on a particular stretch of road and also the rate of travel to aid in making budgets for roads.

ICE ISLAND: The Story of Antarctica — R. Frank, Jr.—*Crowell*, 218 p., illus., \$3.50. Telling what men have discovered about the southernmost part of the world.

ILLUSTRATED MEDICAL AND HEALTH ENCYCLOPEDIA—Morris Fishbein, Ed.—*Stuttman*, 2166 p., 8 volumes, illus., \$19.50. Information useful in the home on alphabetically arranged topics from abdomen to zygoma and zyme.

MAN: His First Million Years—Ashley Montagu — *World Publishing Co.*, 249 p., illus., \$3.75. Telling, for "people who want to learn," of the evolution of modern man and the life of early man.

PAGOO—Holling' Clancy Holling—*Houghton Mifflin*, 87 p., illus. with drawings by the author and Lucille Webster Holling, \$3.75. A book for young readers about a small hermit crab.

PRIMER FOR PARAPLEGICS AND QUADRIPLEGICS—*Institute of Physical Medicine and Rehabilitation, New York University-Bellevue Medical Center*, Patient Publication No. 1, 38 p., illus., paper, 50 cents. A manual for those who have become paralyzed due to damage to the spinal cord, telling them how to be the most comfortable and how to get the most they can out of life.

RADIO ASTRONOMY—H. C. van de Hulst, Ed. — *Cambridge University Press*, International Astronomical Union Symposium No. 4, 409 p., illus., \$9.50. Containing all but two of the papers presented at the meeting.

SOLAR ENERGY — Franklyn M. Branley — *Crowell*, 117 p., illus. with drawings by John Teppich, \$2.75. Describing this vast source of energy and telling how it can be put to work.

UNDERSTANDING ELECTRONICS: From Vacuum Tube to Thinking Machine—John Lewellen—*Crowell*, 213 p., illus. with drawings by Ida Scheib, \$2.75. Explaining many of the gadgets that make up our modern world.

WHEEL OF TIME—Harry Zarchy—*Crowell*, 133 p., illus. with drawings by René Martin, \$2.75. Telling what time is and how it is measured.

WILLIAM HARVEY TERCENTENARY COMMEMORATION 1957: Catalog of Exhibit—*Govt. Printing Office*, Public Health Service, 30 p., illus., paper, 15 cents.

YOUR WONDERFUL WORLD OF SCIENCE—Mac and Ira Freeman—*Random House*, 84 p., illus. with drawings by René Martin, \$1.95. Telling children about the interesting world we live in and some experiments they can do to learn more about it.

Science News Letter, October 19, 1957

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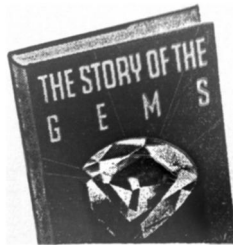
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