

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.

AIR DROP: Men, Weapons, and Cargo by Parachute—C. B. Colby—*Coward-McCann*, 48 p., illus., \$1.00. Photographs show paratroopers, equipment, even cannon and lifeboats, floating down out of the sky on billowing parachutes.

ALONG THE GREAT RIVERS—Gordon Cooper—*Philosophical Library*, 159 p., illus., \$4.75. The author's aim is not to present a geological treatise but to picture in words (and photographs) the life stories of some of the world's greatest rivers. Included among others are the Nile, the Zambezi, the Yangtze, the Volga, the Mississippi and the Amazon.

ANNUAL REPORT, THE ROCKEFELLER FOUNDATION 1952—Dean Rusk, president—*Rockefeller Foundation*, 465 p., illus., paper, free upon request direct to publisher, 49 West 49th St., New York. Total appropriations for the year were \$16,640,355 of which \$3,862,150 was devoted to natural sciences and agriculture, \$4,366,835 to social sciences.

BIRDS AS INDIVIDUALS—Len Howard—*Double-day*, 219 p., illus., \$4.00. The author, an English woman who is a professional musician as well as student of birds, has made friends of birds until she has been able to observe them as individuals. A foreword by Roger Tory Peterson tells of a visit to her home, "Bird Cottage."

THE BOOK OF HEALTH: A Medical Encyclopedia for Everyone—Randolph L. Clark, Jr. and Russell W. Cumley, Eds.—*Elsevier Press*, 834 p., illus., \$10.00. Written by a staff of experts under the guidance of 242 physicians and scientists, this enables the reader to understand what

can be done by medical science to maintain the highest possible health standards. It is not a "home doctor book."

BOREAL HEPATICAE: A Manual of the Liverworts of Minnesota and Adjacent Regions—Rudolf M. Schuster—*Univ. of Notre Dame Press*, American Midland Naturalist Vol. 49, No. 2, 427 p., illus., paper, \$4.00. Price correction.

CONVERSATION WITH THE EARTH—Hans Cloos, translated from the German by E. B. Garside, edited and slightly abridged by Ernst Cloos and Curt Dietz—*Knopf*, 413 p., illus., \$5.75. A poetically written story of the life of a geologist and, interwoven with it, the story of the life of the earth.

DANGER FIGHTERS: Men and Ships of the U. S. Coast Guard—C. B. Colby—*Coward-McCann*, 48 p., illus., \$1.00. The story of one of our Services in photographs and brief text.

THE FIRST BOOK OF PLANTS—Alice Dickinson—*Franklin Watts*, 93 p., illus., \$1.75. A delightful book for children telling in words and pictures how plants get their nourishment and grow, how they spread their pollen and develop their seeds.

HEREDITY IN HEALTH AND MENTAL DISORDER: Principles of Psychiatric Genetics in the Light of Comparative Twin Studies—Franz J. Kallmann—*Norton*, 315 p., illus., \$6.00. Study and comparison of one-egg and two-egg twins have enabled scientists to learn of the respective contributions of heredity and environment to mental health and illness.

MATHEMATICAL METHODS FOR SCIENTISTS AND ENGINEERS—Lloyd P. Smith—*Prentice-Hall*, 453 p., \$10.00. Intended to provide the physics student (and others) with a knowledge of the more important mathematical functions and their properties and the facility to apply them to physics problems.

THE MATURE WOMAN: Her Richest Years—Anna Kleegman Daniels edited by Victor Rosen—*Prentice-Hall*, 237 p., \$3.95. A physician gives reassurance as well as factual information to the woman who feels that she is no longer youthful.

MOTIVATION AND MORALE IN INDUSTRY—Morris S. Viteles—*Norton*, 510 p., illus., \$9.50. Reporting scientific studies concerned with giving workers in industry the satisfaction going with high productivity and harmonious relations with fellow employees and management.

THE OVERLOADED ARK—Gerald M. Durrell—*Viking*, 272 p., illus., \$3.75. Description of a trip to the great rain forests of the Cameroons in West Africa to collect animals, birds and reptiles for zoos. "Ninety percent of your time," the author reveals, "is spent tending your captures and the rest in tramping miles through the forest in pursuit of some creature that refuses to be caught."

A PICTORIAL HISTORY OF THE AUTOMOBILE: As Seen in Motor Magazine, 1903-1953—Philip

Van Doren Stern—*Viking*, 256 p., illus., \$7.50. Showing not only the strange looking models of yesteryear, but also the garb the motorists wore and some of the sights they traveled to see.

RECREATION FOR THE AGING—Arthur Williams—*Association Press*, 192 p., \$3.00. Not only do we have more old people these days, but they are faced with an unaccustomed wealth of leisure. Here are suggestions for making it satisfying.

A SIMPLE GUIDE TO MODERN VALENCY THEORY—G. I. Brown—*Longmans, Green*, 174 p., illus., \$2.50. Intended to bridge the gap between the elementary treatment of valency in standard textbooks and that in the more advanced works on valency. For advanced students and chemists who want to bring themselves up to date on modern developments.

STAR OF WONDER—Robert R. Coles and Frances Frost—*McGraw-Hill*, 48 p., illus., \$2.25. A child's story of how a small brother and sister learned on Christmas eve at the planetarium the scientific explanation of what the three kings may have seen in the east.

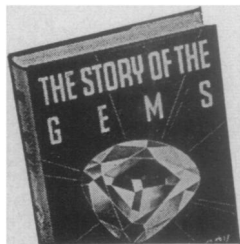
TIGER: The Story of a Swallowtail Butterfly—Robert M. McClung—*Morrow*, 46 p., illus., \$2.00. The story, told for young children, of a butterfly and his neighbors in the clover field.

20 YEARS OF PSYCHOANALYSIS: A Symposium in Celebration of the Twentieth Anniversary of the Chicago Institute for Psychoanalysis—Franz Alexander and Helen Ross, Eds.—*Norton*, 309 p., \$3.75. Includes papers dealing with the influence of the basic concepts of psychoanalysis on medicine and medical teaching.

YOUR TRIP INTO SPACE—Lynn Poole—*McGraw-Hill*, 224 p., illus., \$2.75. The author, producer of a Johns Hopkins University science television program, predicts that the first flight to the moon will occur within the next 50 years. He tells you about some of the dangers and the preparations you should make for the trip.

Science News Letter, September 26, 1953

One pint of blood yields just about the amount of *gamma globulin* needed for one polio-prevention shot.



STORY of the GEMS

By HERBERT P. WHITLOCK

Curator of Minerals and Gems

American Museum of Natural History

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