

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.

ANTARCTICA IN THE INTERNATIONAL GEOPHYSICAL YEAR: Based on a Symposium on the Antarctic—Laurence M. Gould and others—*American Geophysical Union*, 133 p., illus., \$6.00. It is a matter of wonder to scientists that so large a portion of the earth as the unknown areas of Antarctica remains unexplored. This area will receive particular attention during the coming International Geophysical Year.

AQUATIC INSECTS OF CALIFORNIA: With Keys to North American Genera and California Species—Robert L. Usinger, Ed.—*University of California Press*, 508 p., illus., \$10.00. An aid in identification.

CLINICAL CHEMISTRY: Principles and Procedures—Joseph S. Annino—*Little, Brown*, 280 p., illus., \$7.50. Intended to fill the gap between the "cookbooks" that present only the mechanics of methods and the theoretical textbooks.

THE DRUNKEN FOREST—Gerald Durrell—*Viking*, 238 p., illus. with drawings by Ralph Thompson, \$3.75. The story of a six-month trip by a naturalist and his wife to South America. The book takes its name from a tree that has a swollen "tummy" and leans somewhat. South Americans call it the "drunken stick."

THE EARTH BENEATH US—H. H. Swinerton—*Little, Brown*, 335 p., illus., \$5.00. De-

scribing the age, origin and structure of the earth, and also the evolution of plants and animals.

HUMAN GENERATION: Conclusions of Burdach Döllinger, and von Baer—Arthur William Meyer—*Stanford University Press*, 143 p., illus., \$3.50. A classic by scientists writing before the birth of modern embryology.

INDUSTRIAL VISION—H. W. Hofstetter—*Chilton*, 189 p., illus., \$10.00. A text for undergraduate optometry students, and a reference work for ophthalmologists and those concerned with the problem of protecting vision on the job.

INFORMATION THEORY: Papers Read at a Symposium Held at the Royal Institution, London, Sept. 12-16, 1955—Colin Cherry, Ed.—*Academic*, 401 p., illus., \$11.50. On a relatively new field of importance to many disciplines.

JOURNEY TO THE CENTER OF THE EARTH—Jules Verne, translated by Willis T. Bradley—*Wyn*, 256 p., \$2.95. A new translation of a science fiction "granddaddy."

THE LITERATURE OF PESTICIDE TOXICOLOGY—Henry F. Smyth, Jr.—*Mellon Institute*, 3 p., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Information for those who handle the pesticides and for health officials and physicians.

THE MAGIC OF SOUND—written and illustrated by Larry Kettelkamp—*Morrow*, 64 p., \$2.00. Experiments that children can perform to learn about sound.

MINERAL DRESSING STUDIES ON THE GREAT GOSSAN LEAD ORE FROM CARROLL COUNTY, VIRGINIA—M. P. Corriveau—*Virginia Polytechnic Institute*, Bulletin, Engineering Experiment Station Series No. 113, 79 p., illus., paper, 50 cents. In order to get the most complete utilization of the minerals, a combined treatment using flotation, roasting and leaching is recommended.

A NEW APPROACH TO SCHIZOPHRENIA—Julius I. Steinfeld—*Merlin*, 195 p., \$4.95. Presenting the author's theories as to the origin of this common mental illness and suggesting measures for avoiding or mitigating it. Dr. Steinfeld before his death had read proof on the entire manuscript.

PENGUINS—Louis Darling—*Morrow*, 64 p., illus. with drawings by author, \$2.00. Penguins, the author tells us, are not funny at all to other penguins. Their odd habits help them adapt to difficult living conditions.

THE QUMRAN COMMUNITY: Its History and Scrolls—Charles T. Fritsch—*Macmillan*, 147 p., \$3.25. A Presbyterian clergyman here tells the fascinating story of the Dead Sea scrolls and the ancient community in which they were found, as well as their significance for Biblical studies.

READING IMPROVEMENT FOR ADULTS—Paul D. Leedy—*McGraw-Hill*, 456 p., illus., \$5.95. A do-it-yourself book for helping you to read faster and with more comprehension.

ROBERT HOOKE—Margaret 'Espinasse—*University of California Press*, 192 p., illus., \$3.75. A biography of a distinguished scientist who served the Royal Society from 1662 until his death in 1703. The book was inspired by a study of Hooke's diary.

ROSENAU PREVENTIVE MEDICINE AND PUBLIC HEALTH—Kenneth F. Maxcy, Ed.—*Appleton-Century-Crofts*, 8th ed., 1465 p., illus., \$15.00.

New edition of a classic known previously as "Preventive Medicine and Hygiene."

SAHARA ADVENTURE—Philippe Diolé—*Messenger*, 185 p., illus., \$4.50. By the director of undersea archaeological research for the French National Museum. On this trip, M. Diolé has exchanged his aqualung for a camel, but his archaeological finds were equally interesting. Translated by Katherine Woods.

SALT-WATER AQUARIUM FISH—Herbert R. Axelrod and William Vorderwinkler—*Sterling*, 160 p., illus., \$3.95. A how-to-do-it book for the fish enthusiast.

STEP LIVELY . . . AND LOSE WEIGHT—*American Dietetic Association*, 5 p., illus., paper, 3 cents if ordered direct from publisher, 620 North Michigan Ave., Chicago 11, Ill. Suggestions for losing weight.

THE TRUTH ABOUT EYE EXERCISES—Philip Pollack—*Chilton*, 117 p., illus., \$4.75. Intended to debunk the idea that if you exercise your eyes, you can throw away your glasses.

THE WORLD'S TANKERS—Laurence Dunn—*Adlard Coles (John de Graff)*, 176 p., illus., \$6.95. The petroleum industry and the ships that serve it have developed in less than a century since the first oil well was drilled in 1859.

Science News Letter, September 29, 1956

AERONAUTICS

Hypersonic Research Rocket Developed

➤ A RESEARCH ROCKET that reaches several times the speed of sound in just two seconds has been developed by the Air Research and Development Command.

Called the Hypersonic Test Vehicle or HTV, it was developed as a free flight research tool to gather data at hypersonic speeds by Curtiss-Wright's Aerophysics Development Corporation, Santa Monica, Calif.

Twenty experimental models have been fired and tested at ARDC's Holloman Air Development Center, Alamogordo, N. Mex.

The HTV is a two-stage solid propellant rocket vehicle, the first stage being a seven-rocket booster that raises the second stage of four rockets to a supersonic velocity.

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A SCIENTIFIC SAMPLER

By RAYMOND STEVENS,
HOWARD F. HAMACHER
ALAN A. SMITH

Here is a fascinating book—a collection of reports, predictions and reflections from "The Industrial Bulletin," the challenging magazine of Arthur D. Little, Inc., prominent industrial research organization. The Bulletin's short and highly readable essays, dealing with everything from smog to space travel, are models of technical reporting—urbane, exact, imaginative. Some record accomplished milestones in research and engineering; some herald developments yet to come. Each article in this collection is dated, to show the chronology of science, and footnotes bring the statistics up to date.

430 pages \$6.00

MODERN SCIENCE and HUMAN VALUES

By EVERETT W. HALL

The dilemma of the atomic age is the discrepant pace of scientific achievement and man's knowledge of himself. This book is a brilliant survey of the unequal race between ethical and scientific progress—the present situation and the currents of history that have led up to it. In these wise and persuasive pages, Dr. Hall shows you the frightening dimensions of the problems that we or our children must one day resolve or perish.

480 pages \$8.00

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