

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.

ATOMIC ENERGY LEGISLATION THROUGH 84TH CONGRESS—Staff, Joint Committee on Atomic Energy—*Govt. Printing Office*, 166 p., paper, 45 cents. Prepared especially for use of the committee.

ATOMS FOR THE WORLD: United States Participation in the Conference on the Peaceful Uses of Atomic Energy—Laura Fermi—*University of Chicago Press*, 227 p., illus., \$3.75. The story of an important event told in informal style by the widow of a renowned atomic scientist.

THE CHEMICAL INDUSTRY FACTS BOOK—*Manufacturing Chemists' Association*, 3rd ed., 149 p., illus., paper, \$1.25. History and statistics of the industry and a glossary of terms used.

CHEMISTRY MAGIC—Kenneth M. Swezey—*McGraw-Hill*, 180 p., illus., \$4.50. For the home laboratory hobbyist who wants to go beyond the stunts of the ordinary juvenile chemistry book and chemistry set, here are a great many experiments he will enjoy performing.

DEATH OF A MAN—Lael Tucker Wertenbaker—*Random House*, 181 p., \$3.50. A woman writer tells how her husband faced death from cancer.

DICTIONARY OF MICROBIOLOGY—Morris B. Jacobs, Maurice J. Gerstein and William G. Walter—*Van Nostrand*, 276 p., illus., \$6.75. A reference work defining terms from "Abacterial" to "Zymosan."

GENETICS IN PLANT BREEDING—E. R. Sears and others—*Brookhaven National Laboratory (Office of Technical Services)*, 236 p., illus., paper, \$1.25. Report of a symposium held May 21 to 23, 1956.

HANDBOOK OF SOLVENTS: Volume 1, Pure Hydrocarbons—Ibert Mellan—*Reinhold*, 249 p., illus., \$6.50. In this field alone there are more than 500 solvents; this work provides information about them.

THE HARVEY LECTURES—J. C. Eccles and others—*Academic*, Series LI, delivered under the auspices of the Harvey Society of New York, 1955-1956, 298 p., illus., \$7.50. The text of these important lectures.

HORMONES, BRAIN FUNCTION, AND BEHAVIOR: Proceedings of a Conference on Neuroendocrinology Held at Arden House, Harriman, New York, 1956—Hudson Hoagland, Ed.—*Academic*, 257 p., illus., \$7.00. This conference resulted from the renaissance of interest in neuropharmacology because of discovery of drugs that produce experimental psychotic episodes, of tranquilizers and of the effect of hormones on internal environment.

AN INTRODUCTION TO ELECTROSTATIC PRECIPITATION IN THEORY AND PRACTICE—H. E. Rose and A. J. Wood—*Essential Books*, 166 p., illus., \$2.80. A critical survey by experts of present knowledge of the subject. Of interest particularly to persons concerned with the problem of air pollution.

SPANISH—FRENCH—GERMAN

For only 25¢ we will send you the first in a series of books to learn these languages. The famous Rodale Word-at-a-Time System — with moving vocabulary. Hard-back \$2.00 book—of 256 pages (for only 25¢). To introduce our series of books. Specify language.

**RODALE PRESS DEPARTMENT 8-10
EMMAUS, PENNA.**

INTRODUCTION TO LABORATORY CHEMISTRY—L. Earle Arnow, revised with the assistance of Marie C. D'Andrea—*Mosby*, 5th ed., 116 p., illus., paper, \$1.50. Prepared especially to accompany the author's "Introduction to Physiological and Pathological Chemistry," but useful also with other texts on chemistry or biochemistry.

INTRODUCTION TO PHYSIOLOGICAL AND PATHOLOGICAL CHEMISTRY—L. Earle Arnow, revised with assistance of Marie C. D'Andrea—*Mosby*, 5th ed., 529 p., illus., \$4.25. Reference is repeatedly made to practical applications of chemistry to clinical medicine.

JOHN MUIR: Father of Our National Parks—Charles Norman—*Messner*, 191 p., \$2.95. The life of a naturalist, geologist, writer and explorer, and one of the first conservationists.

JOSEPH PULITZER: Front Page Pioneer—Iris Noble—*Messner*, 191 p., \$2.95. The story of the life of the founder of the St. Louis Post-Dispatch from the time when, as a boy of 17, he swam ashore from the boat that was bringing him to America to "sell" him into the Union Army. He arrived in the new land soaking wet with no money, no friends, no English.

A LABORATORY MANUAL IN HUMAN PHYSIOLOGY—Albert R. Dawe and Robert T. Schopp—*Holt*, 147 p., illus., paper, \$2.25. Intended to give the student an opportunity to formulate general principles from his many specific laboratory experiences.

THE LIVING SEA—John Crompton— *Doubleday*, 234 p., illus. with drawings by Denys Oven- den, \$3.95. The sea, the author explains, is the source of all our water and living things are composed chiefly of water. This book tells interesting things about the many creatures that live in the sea.

MINERALS YEARBOOK 1953: Volume III, Area Reports—Field Staff of the Regional Mineral Industry Divisions—*Govt. Printing Office*, 1169 p., illus., \$4.00. Containing chapters covering each of the 48 states plus chapters on the territories.

MODERN PULP AND PAPER MAKING—George S. Witham, revised and edited by John B. Calkin—*Reinhold*, 3d ed., 549 p., illus., \$10.00. A reference book for paper makers.

MUST MEN STARVE? The Malthusian Controversy—Jacob Oser—*Abelard-Schuman*, 331 p., \$4.50. Discussing some of the ways by which the world's food supply might be made sufficient to feed all the hungry mouths.

PEACETIME USES OF ATOMIC ENERGY—Martin Mann—*Crowell*, 175 p., illus., \$4.50. Describing the uses of this new and powerful tool for health, for industrial power and in research. The author is associate editor of *Popular Science Monthly*.

PHILOSOPHY OF SCIENCE: The Link Between Science and Philosophy—Philipp Frank—*Prentice-Hall*, 394 p., \$7.65. By a distinguished theoretical physicist and founding member of the Conference on Science, Philosophy and Religion.

THE PROSPECTS OF NUCLEAR POWER AND TECHNOLOGY—Gerald Wendt—*Van Nostrand*, 348 p., illus., \$6.00. Written for businessmen, legislators and leaders of thought to help them comprehend and evaluate this great new force and what it means to mankind. The author is a writer on science for UNESCO.

PULSE AND DIGITAL CIRCUITS—Jacob Millman and Herbert Taub—*McGraw-Hill*, 687 p., illus., \$12.50. An undergraduate text on pulse and digital circuitry in electronic instruments. The circuits and techniques described are basic to an understanding of many diversified specialized fields.

RHEUMATIC DISEASES, RHEUMATISM AND ARTHRITIS—Heinrich G. Brugsch—*Lippincott*, 330 p., illus., \$10.00. Written from an internist's point of view and giving complete information about symptoms, prognosis, therapy and possible surgery.

RIGHT-OF-WAY—David R. Levin and others—*Highway Research Board*, Bulletin 140, 83 p., illus., paper, \$1.60. Discussing legal and practical problems in connection with the new super-highways, such as billboards, gasoline stations, motels and shopping centers.

THIRD TECHNICAL PROGRESS REPORT—W. L. Faith, N. A. Renzetti and L. H. Rogers—*Air Pollution Foundation*, Report No. 17, 110 p., illus., paper, \$3.00. The entire program of the Foundation during 1956 was directed toward extending knowledge of nature, effects and means for control of automobile and incinerator emissions.

THE TRANSMISSION OF PLANETARY THEORIES IN ANCIENT AND MEDIEVAL ASTRONOMY—O. Neugebauer—*Scripta Mathematica*—30 p., illus., paper, 35 cents. Tracing astronomical theory back to its beginnings in the fourth century B.C.

WEATHER ELEMENTS: A Text in Elementary Meteorology—Thomas A. Blair, revised by Robert C. Fite—*Prentice-Hall*, 4th ed., 414 p., illus., \$6.75. A text book furnishing basic knowledge on which more advanced study can be founded and also a source of weather knowledge for airplane pilots, agriculturists and others needing to understand the weather.

WHERE THE GODS ARE MOUNTAINS: Three Years Among the People of the Himalayas—Rene von Nebesky-Wojkowitz, translated from the German by Michael Bullock—*Reynal*, 256 p., illus., \$4.75. The author is an Austrian anthropologist; his stay in the Himalayas coincided with the time when Tibet was conquered by Red China.

THE WIND AND THE WEATHER—Joe Bolton—*Crowell*, 277 p., illus., \$3.95. Telling why the weather man is sometimes wrong in his prediction and why he is so often right. The book also gives ancient lore and modern knowledge about weather and weather forecasting.

Science News Letter, March 30, 1957

GENERAL SCIENCE

Science Foundation Head Gets First Conrad Award

► DR. ALAN T. WATERMAN, director of the National Science Foundation, is the recipient of the first annual Captain Robert Dexter Conrad award.

The award, established by the Office of Naval Research, is made in recognition of outstanding technical and scientific achievements in research and development for the Navy.

It was presented to Dr. Waterman by Dr. Allen V. Astin, director of the National Bureau of Standards.

The award is named for the first head of the planning division of the Office of Naval Research.

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