

Books of the Week

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A. S. T. M. STANDARDS ON PLASTICS—Committee D-20 on Plastics—*American Society for Testing Materials*, 595 p., illus., paper, \$4.50. Includes specifications, methods of testing, nomenclature and definitions.

BIBLIOGRAPHY AND INDEX OF GEOLOGY EXCLUSIVE OF NORTH AMERICA, VOLUME 12, 1947—Marie Siegrist and Eleanor Tatge—*Geological Society of America*, 359 p., \$3.50. An alphabetic author list and subject index.

CENTENNIAL SYMPOSIA, DECEMBER 1946: Contributions on Interstellar Matter, Electronic and Computational Devices, Eclipsing Binaries, The Gaseous Envelope of the Earth—*Harvard College Observatory*, 385 p., illus., \$5.00. The complete papers presented by many astronomers from various observatories at an important meeting.

CURRENT TRENDS IN CLINICAL PSYCHOLOGY—S. Stansfeld Sargent, Ed.—*New York Academy of Sciences*, 62 p., paper, \$1.50. Discussion by a number of authors of the differences between directive and non-directive therapy, and the uses of group psychotherapy and psychodrama.

ELECTROMAGNETIC WAVES AND LIGHT: An Introductory Physical Discussion, First Part—Charles F. Meyer—*Ulrich's Book Store*, 83 p., illus., paper, \$1.35. A text for students who have already studied college physics and mathematics through the calculus.

EMOTIONAL SECURITY—Milton R. Sapirstein—*Crown*, 291 p., \$3.50. Applying the principles of psychoanalysis to the problems of healthy adjustment in marriage and other spheres of daily life.

ENGINEERING THERMODYNAMICS: Theory and Applications—Jesse Seymour Doolittle and Alexander Hamilton Zerban—*International Textbook Co.*, 428 p., illus., \$5.00. A text for engineering students.

FEEDS AND FEEDING: A Handbook for the Student and Stockman—Frank B. Morrison—*Morrison Publishing Company*, 21st ed., 1207 p., illus., \$7.00. Revised and rewritten to include the most recent advances in animal nutrition.

FONTES HISTORIAE BOTANICAE ROSSICAE—Vladimir C. Asmou—*Chronica Botanica*, 31 p., illus., paper, \$1.25. An enumeration of all the publications which deal with the history of botany in Russia. The Russians, states the author, have been lovers of nature, flowers and plants since olden times.

FUNDAMENTALS OF PHYSICAL SCIENCE: An Introduction to the Physical Sciences—Konrad Bates Krauskopf—*McGraw-Hill*, 2d ed., 676 p., illus., \$4.50. For the general reader or college student who wants a general knowledge of the physical sciences rather than detailed study in any one.

HOW LAYMEN CUT MEDICAL COSTS—*Public Health Institute*, 35 p., illus., free upon request to the publisher, 127 North Dearborn St., Chicago 2, Ill. The story of a venereal disease clinic which gave nearly 6,000,000 treatments to 359,496 individuals, many of whom could not pay, and which remained self-sustaining.

THE HYGIENE OF THE BREASTS—Clifford F.

Dowkontt—*Emerson Books*, 222 p., illus., \$2.50. A specialist in plastic surgery of the breast writes on the care and proper dress of the breasts for nursing mothers and other women who wish beauty with health.

INVENTORY OF RESEARCH IN RACIAL AND CULTURAL RELATIONS, Bulletin No. 1—June 30, 1948—*Committee on Education, Training and Research in Race Relations of the University of Chicago and The American Council on Race Relations*, 55 p., paper, \$1.00.

THE LIFE OF SCIENCE: Essays in the History of Civilization—George Sartor—*Schuman*, 197 p., \$3.00. Collected essays by the well-known Harvard historian of science in his delightful, inimitable style.

MESON THEORY OF NUCLEAR FORCES—Wolfgang Pauli—*Interscience*, 2d ed., 69 p., \$2.00. Revised in consequence of the fact that some of the older experiments have become obsolete, this book by a Swiss scientist is based on a lecture given in 1944 at MIT.

THE SOUTH AMERICAN HANDBOOK 1948: A Year Book and Guide to the Countries and Resources of South and Central America, Mexico and Cuba—Howell Davies, Ed.—*Trade and Travel Publications (H. W. Wilson)*, 25th ed., 778 p., \$1.50. A useful reference book of British origin containing information for each country on geography, economics, resources, and politics.

VACUUM TUBE AMPLIFIERS—George E. Valley and Henry Wallman—*McGraw-Hill*, 743 p., illus., \$10.00. A technical book intended to preserve the experimental findings of the Radiation Laboratory at MIT.

YOUR LIFE IS IN YOUR GLANDS: How Your Endocrine Glands Affect Your Mental, Physical and Sexual Health, Your Appearance, Personality and Behavior—Herman H. Rubin—*Stratford House*, 192 p., illus., \$2.75. A description, in non-technical language, of the nature and behavior of the powerful endocrine glands.

Science News Letter, October 30, 1948

GENERAL SCIENCE

Engineer To Receive Medal For Scientific Achievement

► THE 1949 John Fritz Medal for scientific achievement will go to Charles Metcalf Allen, professor of hydraulic engineering at Worcester Polytechnic Institute and director of the Alden Hydraulic Laboratory, Worcester, Mass., it was announced by the Board of Award.

Prof. Allen was cited "for exceptional achievement in hydraulic engineering," and as "the founder of a notable hydraulic laboratory; prominent teacher, consultant, inventor and author."

Science News Letter, October 30, 1948

Scientists have discovered that by varying the pitch of *supersonic sound* they can kill one kind of germ and leave other germs alive.

SCIENCE IN WORLD WAR II

The history of the Office of Scientific Research and Development of which the introductory volume* won the 1946 Pulitzer Prize for History.

* SCIENTISTS AGAINST TIME

By Dr. James Phinney Baxter, 3rd

The whole, inside, story of OSRD and the development of each new instrument and weapon as emergency demanded it. *Illustrated* \$5.00

COMBAT SCIENTISTS

By Lincoln R. Thiesmeyer and John E. Burchard
Edited by Alan T. Waterman

A record of the war experiences as well as the scientific achievements of the scientists who helped the fighting forces make effective use of new devices. *Illustrated*. \$5.00

ORGANIZING SCIENTIFIC RESEARCH FOR WAR

By Irvin Stewart

A detailed account of the actual organization under Dr. Vannevar Bush for the nation's scientists after they were mobilized for war. \$5.00

NEW WEAPONS FOR AIR WARFARE

Edited by Joseph C. Boyce

The work of special divisions of the National Defense Research Committee, (part of OSRD), on devices to control the behavior of shells, bombs, rockets etc. *Illustrated*. \$4.00

ADVANCES IN MILITARY MEDICINE

Edited by E. C. Andrus, D. W. Bronk, G. A. Carden, Jr., M. C. Winternitz, J. S. Lockwood, J. T. Wearne, C. S. Keefer

The official record of the achievements by medical men and their associates in research during the war. *Illustrated*. 2 volumes. \$12.50

ROCKETS, GUNS AND TARGETS

Edited by John E. Burchard

Inside stories of how the rocket was brought into reality, the promising results of experiments in achieving hypervelocity, and the search for precise knowledge of the effectiveness of weapons. *Illustrated*. \$6.00

CHEMISTRY

Edited by W. A. Noyes, Jr.

A history of the work done by chemists in the war, which involved the development of every item used by the Armed Services. *Illustrated*. \$6.00

APPLIED PHYSICS: ELECTRONICS, OPTICS, METALLURGY

Edited by C. G. Suits, Geo. R. Harrison and Louis Jordan

Records the work done on radio and radar countermeasures, on numerous optical instruments, on sound control, on land-mine countermeasures, on aircraft metals, armor and guns. *Illustrated*. \$6.00

These are all
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34 Beacon Street, Boston 6, Mass.