

Books of the Week

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge if price is less than \$2 to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

DISPOSAL OF RADIOACTIVE WASTES INTO SEAS, OCEANS AND SURFACE WATERS: Proceedings of Symposium held by the International Atomic Energy Agency in Vienna, 1966—A Guillon, Ed.—IAEA (Int'l Pubns, N.Y.), 898 p., illus., paper, \$18.50. Papers and discussion on the physical and biological transport of radionuclides, evaluation of the main exposure routes to man, and possible effects of the disposal of radioactive wastes on the resources of oceans and surface waters.

ELECTRONICS ABSTRACTS JOURNAL, Vol. I, No. 1-2, 1966 Abstracts—Geoffrey Knight, Jr., Ed-in-Chief, and J. A. Murphy, Man. Ed.—Cambridge Communications Corp., 269 p., 60 p. index, paper, subscription \$100 per year. A reference journal designed for rapid retrieval of recently published information on the theory, design and application of electronic devices and circuits.

GENETICS IS EASY—Philip Goldstein, introd. by A. S. L. Hu—Lantern Press, 4th rev. ed., 295 p., diagrams by author, \$6. Experienced science teacher explains such concepts as the genetic code in language high school pupils can comprehend.

HELICOPTERS AND AUTOGIROS: A Chronicle of Rotating-Wing Aircraft—Charles Gablehouse—Lippincott, 254 p., photographs, drawings, \$4.95. Explains the theory and tells how various rotor systems work, and gives an account of the industrial, commercial and military uses of rotating-wing aircraft.

A HISTORY OF IDEAS ABOUT THE PROLONGATION OF LIFE: The Evolution of Prolongevity Hypotheses to 1800—Gerald J. Gruman—Am. Philosophical Soc., 102 p., paper, \$3. A scholarly study of man's belief that it is possible and desirable to extend significantly the length of life by human action, concentrating on the hypotheses of the Taoists, the alchemists, the Renaissance hygienists and the philosophers of the 18th century.

HISTORY OF ROCKETRY & SPACE TRAVEL—Wernher von Braun and Frederick I. Ordway III—Crowell, 244 p., photographs, illus. by Harry H-K Lange, \$14.95. An authoritative, colorful and popularly presented historical review of man's conquest of space, includes tables and bibliography of book references.

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION: Five Years of Work—UNESCO—Unesco Pubns. Center, N.Y., 39 p., illus., maps, paper, \$1. Gives short history of current operations, describes international expeditions, list of working groups and publications.

AN INTRODUCTION TO LINEAR PROGRAMMING AND THE THEORY OF GAMES—S. Vajda—Methuen (Barnes & Noble), 76 p., \$2.75; paper, \$1.50. Reprint (1960), offers elementary exposition of the subject.

THE INTRUDERS: The Invasion of Privacy by Government and Industry—Senator Edward V. Long, foreword by Vice-President Hubert H. Humphrey—Praeger, 230 p., photographs, \$5.95. The chairman of the Senate Subcommittee which has conducted extensive hearings on wiretapping, presents the evidence and some suggestions for a solution of the problem.

ONE HUNDRED BRAINTWISTERS

D. St. P. Barnard. This new collection of tantalizing posers will keep you and your friends stimulated and challenged. The author is an expert on recreational math. His weekly column in the London Observer keeps his followers guessing. Here he offers these highly original twisters with carefully explained solutions and useful hints on how to reduce complex problems to simple questions of common sense and reason. 51 diagrams by the author. \$3.95 At your bookseller, or order from Dept. T-SN 3

VAN NOSTRAND Princeton, N.J. 08540

LINEAR SYSTEMS OF ORDINARY DIFFERENTIAL EQUATIONS: With Periodic and Quasi-Periodic Coefficients (with revisions by the author for the English edition)—Nikolay P. Erugin, transl. from Russian, Richard Bellman, Ed.—Academic Press, 271 p., \$12. For mathematicians, scientific workers, physicists, engineers and graduate students in mathematics.

THE MACHINE IN THE GARDEN: Technology and the Pastoral Ideal in America—Leo Marx—Oxford Univ. Press, 392 p., illus., paper, \$2.25. An annotated literary excursion into the 19th century, ranging over the American landscape before and after the impact of the railroad.

MACHINE TOOLS and Related Products—National Machine Tool Builders Assn., 84 p., paper, free upon request direct to NMTBA, 2139 Wisconsin Ave., N.W., Washington, D.C. 20007. Pocket directory for 1967, lists alphabetically addresses of member builders and their complete product lines.

THE MIXTEC KINGS AND THEIR PEOPLE—Ronald Spores—Univ. of Okla. Press, 269 p., plates, drawings, maps, \$5.95. A scholarly examination based on both the archaeological and the documentary record, analyzing the more significant Mixtec social and political institutions in Mexico during the 16th century, before and after the impact of Spanish rule.

THE NEW YORK TIMES WORLD ECONOMIC REVIEW AND FORECAST 1967—Lee Kanner, Ed., with an appraisal of the economy by Thomas E. Mullaney—Grosset & Dunlap, 256 p., illus., paper, \$2.95. A survey of financial and business developments in the world's principal countries and industries.

ONE OF OUR H-BOMBS IS MISSING—Flora Lewis—McGraw, 270 p., photographs, \$5.95. A detailed report of the headline-making accident at Palomares, its consequences, and the diplomatic and technical frustrations and solutions involved.

THE ORIGIN OF GENETICS: A Mendel Source Book—Curt Stern and Eva R. Sherwood, Eds.—Freeman, 179 p., illus., \$4.50. Brings together corrected translations of Mendel's two papers on hybridization, his letters to Nageli, and the simultaneous and independent rediscovery of Mendelism by de Vries and Correns.

PERU—Rafael Iaco Hoyle, transl. from French by James Hogarth—World Pub. Co., 243 p., 168 plates, charts, maps, \$10. Retraces the stages of development of the cultures of the coastal and highland areas of ancient Peru from the Pre-Ceramic Epoch before 2,000 B.C. to the Imperial Epoch ending with the Spanish Conquest.

PRINCIPLES OF AUTONOMIC-SOMATIC INTEGRATIONS: Physiological Basis and Psychological and Clinical Implications—Ernst Gellhorn—Univ. of Minn. Press, 318 p., illus., \$10. Provides an analysis of the relationship between the autonomic and the somatic nervous systems and the implications for medicine and psychology of the principles involved. More than 1,000 references from the international literature are cited.

A PSYCHIATRIST FOR A TROUBLED WORLD: Selected Papers of William C. Menninger, M.D.—Bernard H. Hall, Ed., biog. sketch by Henry W. Brosin—Viking Press, 871 p., \$12.50. Contains 82 papers chosen from more than 200 published articles and pamphlets, ranging from essays in clinical and in military psychiatry to mental hygiene aspects of the Boy Scout movement.

LEARN MODERN MATH!

Stumped by references to cybernetics, game theory? Confused by relativity? Brilliant new book by remarkable expositor makes these & other important new fields crystal-clear to laymen, students. "Great Ideas of Modern Mathematics," J. Singh, 213pp. \$1.75 + 10¢ postage. Money-back guarantee. Dept. SNL, Dover, 180 Varick St., New York, N.Y. 10014

READING: Seventy-Five Years of Progress—H. Alan Robinson, Ed.—Univ. of Chicago Press, 242 p., illus., \$4.50. These proceedings of the 28th Annual Conference on Reading deal with the progress of reading instruction over the years, reviewing basic concepts and past history in relation to present events.

A REFERENCE BOOK OF CHEMISTRY—J. H. White—Philosophical Lib., 3rd ed., 311 p., \$10. Subjects are listed alphabetically arranged in nine sections, such as laws, named reactions, named reagents, ores and common alloys.

THE RELEVANCE OF PHYSICS—Stanley L. Jaki—Univ. of Chicago Press, 604 p., \$12.50. Both a theologian and a physicist, the author aims in this book to explore the image of physics, "the highly revisable character of its statements", the never-ending course of its search and its relevance to other areas of human reflection.

SOME RECENT ADVANCES IN THE BASIC SCIENCES: Annual Science Conference Proceedings, Vol. 1, 1962, 1963, 1964—A Gelbart, Ed.—Belfer Grad. School of Science, Yeshiva U. (Academic Press), 228 p., illus., \$8.50. Contains articles on topics such as forms of algebras, the mass formula of SU(3), and Kleinian groups.

SONG, SPEECH AND VENTRILOQUISM—Larry Kettelkamp—Morrow, 96 p., illus. by author, \$2.95. Explains to boys and girls the mechanics of voice production, vowels, consonants, breathing, including the steps to master the tricks of "belly speech."

SUMMABLE SERIES AND CONVERGENCE FACTORS—Charles N. Moore—Dover, 105 p., paper, \$1.50. Unabridged republication (1938), by special arrangement with the American Mathematical Society.

TEACHING SCIENCE BY INQUIRY: In the Secondary School—Robert B. Sund and Leslie W. Trowbridge—Merrill Bks., 357 p., illus., \$7.95. Provides practical suggestions for the teacher, discusses the new ideas in national curriculum development in the sciences in relation to current trends in science teaching with its emphasis on questions which require critical thinking.

WATER: The Vital Essence—Peter Briggs—Harper, 223 p., 30 photographs, \$5.95. A readable and broadly conceived survey of man's relationship to water, its properties and value to man, the many scientific aspects of oceanography, floods, pollution and their control.

FIX CLOCKS, WATCHES



FOR FUN & PROFIT

OFTEN AFTER OTHER experts have thrown up their hands in defeat! Fascinating new Handbook by master craftsman H. G. Harris gives you the kind of knowledge skilled watchmakers learn in years of apprenticeship.

OVER 200 ILLUSTRATIONS show how to install hands, dials, crystals, mainsprings, stems . . . rehouse old movements in modern cases . . . speedily cure many troubles by demagnetizing or cleaning.

INSTRUCTIONS COVER every popular watch and clock, chimes, grandfathers, cuckoo, everyday alarm and electric clocks. Handbook tells you where to buy parts . . . where to send "overflow" work for repairs at wholesale prices as business expands! Even how to pick up fine old clocks at rummage prices, then restore for easy, profitable sale!

ONE REPAIR PAYS FOR COMPLETE HANDBOOK! Friends gladly pay \$5 to \$50 for restoring cherished timepieces. But see for yourself! Try the HANDBOOK OF WATCH AND CLOCK REPAIRS seven days! Rush only \$4.95, on money-back guarantee of satisfaction, to:

EMERSON BOOKS, Inc.

Dept. 209-R, 251 W. 19th St., N.Y., N.Y. 10011