

books OF THE WEEK

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ATTENTION IN LEARNING: Theory and Research—Tom Trabasso and Gordon H. Bower, with Rochel Gelman—Wiley, 1968, 253 p., \$7.95. Reports the authors' research on stimulus selection by human subjects during their learning of elementary discrimination or classification problems, in terms of attention.

CERAMIC PERMANENT-MAGNET MOTORS: Electrical and Magnetic Design and Application—James R. Ireland—McGraw-Hill, 1968, 188 p., illus., \$9.95. Provides concise and comprehensive discussion of the design and use of D.C. and A.C. permanent-magnet motors in a variety of modern applications.

THE CYCLE OF EROSION IN DIFFERENT CLIMATES—Pierre Birot, transl. from French by C. Ian Jackson and Keith M. Clayton—Univ. of Calif. Press, 1968, 144 p., illus., \$5.50. A study of the development of landforms in the sequence of events, through weathering and fluvial dynamics, under the conditions of different climates—tropical, arid, wet and periglacial.

THE DISNEY VERSION: The Life, Times, Art and Commerce of Walt Disney—Richard Schickel—Simon & Schuster, 1968, 384 p., \$6.50. In the form of a biography, the author attempts to present a particular aspect of American culture—a study of a public man.

EASY WAY TO SERVICE RADIO RECEIVERS—Leo G. Sands—TAB Bks., 1968, 176 p., photographs, 100 circuit diagrams, \$6.95; paper, \$3.95. Tells how to diagnose and correct troubles in standard AM receivers—tube or transistor.

ELECTRONIC ENGINEERING NOMOGRAMS—Max H. Applebaum—TAB Bks., 1968, 175 p., spiral-bound, \$9.95. Easy-to-use reference of 100 nomograms designed to provide quick solutions to such electronic problems as conversion charts, attenuators and filters, passive components and vacuum tubes.

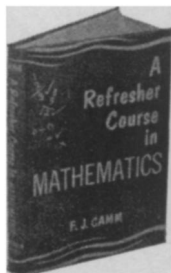
ETHNOPHARMACOLOGIC SEARCH FOR PSYCHOACTIVE DRUGS—Daniel H. Efron, Bo Holmstedt and Nathan S. Kline, Eds.—PHS (GPO), 1967, 468 p., illus., \$4. Proceedings of the 1967 symposium held in San Francisco, reviews historic and botanical background of psychoactive drugs, covering in depth such sources as kava, nutmeg, South American snuff and fly agaric.

EXTINCT AND VANISHING BIRDS OF THE WORLD—James C. Greenway, Jr.—Dover, 1967, 2nd rev. ed., 520 p., illus., maps, paper, \$3.50. Revised edition offers new bibliography and brings up-to-date status of species and subspecies since 1954, including some eight rediscoveries.

FISHERIES BIOLOGY: A Study in Population Dynamics—D. H. Cushing—Univ. of Wis. Press, 1968, 200 p., photographs, diagrams, maps, \$7.50. Addressed to students and teachers at the university level and to fisheries biologists, the book offers material on the results of fisheries research, mainly marine, throughout the world. Offered as a basis on which to build management and conservation principles for commercial fisheries.

A REFRESHER COURSE IN MATHEMATICS

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THE FORMATION OF THE AMERICAN MEDICAL PROFESSION: The Role of Institutions, 1780-1860—Joseph F. Kett—Yale Univ. Press, 1968, 217 p., \$6.50. A historical study of the country's medical standards and training in the first half of the 19th century, evaluating the effectiveness of medical societies, licensing boards, and medical schools in an era when medical sectarianism and charlatanry were rampant.

THE FUTURE OF HUMAN HEREDITY: An Introduction to Eugenics in Modern Society, foreword by Th. Dobzhansky—Frederick Osborn—Weybright & Talley, 1968, 133 p., \$5.95. Stresses the importance of human environments for human development insofar as "each improvement in genetic capacity enables the individual to take better advantage of the improved environment, and the average of developed and measurable intelligence is raised accordingly in each generation."

GATES OF HORN AND IVORY: An Anthology of Dreams—Brian Hill, foreword by Calvin S. Hall—Taplinger, 1968, 216 p., \$5.95. Compilation of dreams culled from the literature of the world, grouped under such headings as Biblical, pleasant, nightmarish, and prophetic.

A HANDBOOK OF LIVING PRIMATES: Morphology, Ecology and Behaviour of Nonhuman Primates—J. R. Napier and P. H. Napier—Academic Press, 1967, 456 p., 114 plates, drawings, map, \$21.50. A comprehensive and authoritative single-volume text and reference work, provides over-all survey of distinguishing characteristics, presents data on each genus, and tabulated data, statistical and comparative.

A HISTORY OF EGYPTIAN ARCHAEOLOGY—Fred Gladstone Bratton—Crowell, 1968, 313 p., illus., maps, \$6.95. A concise review of archaeological explorations in Egypt, from the decipherment of the Rosetta Stone to the relocation of Abu Simbel.

THE INFORMATION MACHINE: The United States Information Agency and American Foreign Policy—Robert E. Elder—Syracuse Univ. Press, 1968, 356 p., \$10. A discussion and analysis of the purpose and operation of the information machinery, the U.S. version of making propaganda for the U.S. way of life, and how well it has served American foreign policy.

TEXTBOOKS

ANIMAL FUNCTION: Principles and Adaptations—Malcolm S. Gordon in collaboration with others—Macmillan, 1968, 560 p., illus., \$12.95. An effort to present to undergraduates what might be called a textbook of ecological physiology. Organized around physiological processes, the text emphasizes adaptive functioning as it relates to survival of whole organisms in the natural world. It illustrates the diversity of physiological mechanisms and adaptations evolved by animals.

BASIC LABORATORY STUDIES IN COLLEGE CHEMISTRY with a Supplement in Semimicro Qualitative Analysis—William Hered and William

H. Nebergall—Raytheon Educ. Co., 1968, 3rd ed., 266 p., illus., paper, \$4.50. Fifty-one exercises illustrating the sources, meaning and application of basic concepts of chemistry, encouraging students to take a critical view of the procedures.

BIOLOGY SIMPLIFIED: A Programmed Review Based on Your Course—Stewart M. Brooks—Barnes & Noble, 1968, 106 p., illus., paper, \$2. This keynote is a flexible study aid to help student review his course quickly and use his time more effectively by studying only material he does not know.

COLLEGE CHEMISTRY with Qualitative Analysis—William H. Nebergall, Frederick C. Schmidt and Henry F. Holtzclaw, Jr.—Raytheon Education Co., 1968, 3rd ed., 760 p., two color illus., \$9.95. Revision puts increased emphasis on theory; the study of metals is organized according to qualitative analysis groups rather than according to their periodic relationships.

A COURSE IN NUMERICAL ANALYSIS—H. Melvin Lieberstein—Harper, 1968, 258 p., diagrams, \$14.95. Designed to give the student sufficient mathematical experience in the subject to enable him either to use it effectively in scientific and technological computations, or to undertake advanced courses that prepare him for a career in mathematical research.

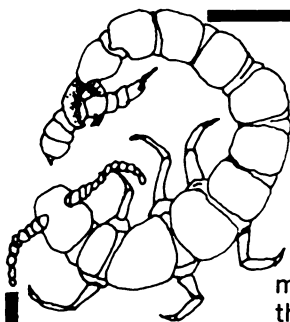
ELECTRICITY AND MATTER—Norman Feather—Edinburgh Univ. Press (Aldine Pub. Co.), 1968, 532 p., diagrams, \$6.95. A text for the beginning specialist in physics, considers experiment, hypothesis and the formulation of general law within the historical context of 400 years of human scientific endeavor.

THE ELEMENTS OF CYTOGENETICS—G. B. Wilson—Reinhold, 1968, 120 p., illus., paper, \$2.25. Written for the beginning student who seeks a survey of the basic elements of the study of cytogenetics—the chromosome, mitosis and meiosis, changes in chromosome constitution, and the principles of chromosome analysis.

ELEMENTS OF MINERALOGY—Brian Mason and L. G. Berry—Freeman, 1968, 550 p., 233 illus., \$9.50. A revised version of MINERALOGY: Concepts, Descriptions, Determinations, published in 1959, designed for a first course in mineralogy, and useful as a reference.

GENERAL CHEMISTRY—William H. Nebergall, Frederick C. Schmidt and Henry F. Holtzclaw, Jr.—Raytheon Education Co., 1968, 3rd ed., 693 p., two-color illus., \$9.95. Revised edition emphasizes theory, includes discussion of orbital theory of bonding, the nerst equation for calculating free energy and electrode potentials, and thermodynamics.

INTRODUCTION TO CHROMATOGRAPHY—James M. Bobbitt, Arthur E. Schwarting and Roy J. Gritter—Reinhold, 1968, 160 p., photographs, diagrams, paper, \$3.95. Provides the undergraduate or beginning graduate with a basic and practical introduction to the more common techniques in the field.



SOIL ANIMALS

Friedrich Schaller

Explore the fascinating world of the earthworms, minute snails, scorpions, millipedes, mites, bugs, and other tiny creatures that live in the soil underfoot.

The author surveys the many types of soil animals, explains their biosynthetic importance, and describes their fascinating and little-known feeding, sensory, mating, and reproductive behavior.

Written for the general reader, this new addition to the Ann Arbor Science Library "... is exceedingly well done and nearly unique in its field" (Howard E. Evans). **\$5.00**

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