

# books OF THE WEEK

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**THE HISTORY OF LIFE**—A. Lee McAlester—Prentice-Hall, 1968, 152 p., illus., \$5.95; paper, \$2.50. Relates the study of fossils to the tracing of life's origins, the diversification of life in the sea and on land, land plants, reptiles and mammals, and the emergence of man.

**HOW TO USE YOUR VOM, VTVM & OSCILLOSCOPE**—Martin Clifford—TAB Bks., 1968, 192 p., 120 diagrams, \$6.95; paper, \$3.95. Practical guide for technician, hobbyist and experimenter.

**INTERMEDIATE STRUCTURE IN NUCLEAR REACTIONS**—Richard H. Lemmer and others; Hugh P. Kennedy and Rudolph Schriels, Eds.—Univ. of Ky. Press, 1968, 219 p., paper, \$7.50. Series of lectures providing a pedagogical review of the theoretical developments and underlying physical ideas of intermediate structure.

**LIFE OR DEATH: Ethics and Options**—Edward Shils and others, introd. by Daniel H. Labby—Univ. of Wash. Press, 167 p., \$4.95. Symposium papers on such subjects as the sanctity of life, law and moral consensus, the morality of abortion, genetic options and medical research.

**LOOKING AT HISTORY THROUGH MATHEMATICS**—N. Rashevsky—M.I.T. Press, 1968, 199 p., \$8.95. Illustrates in a number of examples how mathematical reasoning could in principle be used in explanations of some historical phenomena and points out different possibilities of mathematically studying various points of view on history.

**MAN AND THE CALIFORNIA CONDOR: The Embattled History and Uncertain Future of North America's Largest Free-living Bird**—Ian McMillan—Dutton, 1968, 191 p., photographs, map, \$5.95. Observations in their mountain refuge and reappraisal of the chances for survival of this threatened species.

**MAN, MEDICINE AND ENVIRONMENT**—Rene Dubos—Praeger, 1968, 125 p., \$4.50. In examining the environmental forces that have affected man's evolution, the author shows how man, through complex series of feedback processes, leads the other species in adaptability.

**MEN OF SPACE, Vol. 8**—Shirley Thomas, foreword by Arnold W. Frutkin—Chilton Bks., 1968, 235 p., photographs, \$7.95. Sourcebook devoted to the international space scene, presents conversations with outstanding members of the International Astronautical Federation, and describes organizations such as COSPAR, ESRO, ELDO, Eurospace and national space programs.

**THE MICROSCOPIC ANATOMY OF THE WHITE RAT: A Photographic Atlas**—Esther M. Smith and M. Lois Calhoun—Iowa State Univ. Press, 1968, 190 p., 81 plates, 11x11 inches, \$13.50. A well-documented atlas showing photomicrographs of normal tissues and organs of the laboratory rat.

**THE NEW SCIENCE OF STRONG MATERIALS**—J. E. Gordon—Walker, 1968, 269 p., 16 plates, diagrams, \$6.50. Attempts to explain to the intelligent layman the theories behind elasticity, cracks and dislocation, composite materials, ductility in metals and other aspects of materials science.

**PAN AMERICAN HIGHWAY GUIDE 1967/68**—Ernst A. Jahn, Ed.—Compsco Pub. Co., 132 p., illus., maps, paper, spiral-bound, \$5.20 direct to publisher, Derry Galley Rd. RD2, Boonton, N.J. 07005. Informational charts and tables for travelers along the Pan American Highway through Mexico, Central and South America.

**THE PLACE NO ONE KNEW: Glen Canyon on the Colorado**—Eliot Porter—Sierra Club/Ballantine Bks., 1968, 160 p., 75 color plates,

paper, \$3.95. The abridged paper edition of the Sierra Club's handsome requiem to a rocky wilderness area now partially flooded by a dam built in 1963.

**SHAMANISM: The Beginnings of Art**—Andreas Lommel—McGraw-Hill, 1968, 175 p., 44 plates, drawings, \$12. In this history of the shaman, the magic-working medicine man of the Stone Age hunters, the author examines the psychological and psychic as well as the social and ethnological interpretations of this phenomenon of the human spirit.

**SOCIAL ORGANIZATION OF HAMADRYAS BABOONS: A Field Study**—Hans Kummer—Univ. of Chicago Press, 1968, 189 p., photographs, diagrams, \$8.95. Reports on a year-long study of individual and group behavior, communication, roles, life cycles and social organization of troops of desert baboons in their Ethiopian habitat.

**SWEDEN AND THE PRICE OF PROGRESS**—David Jenkins—Coward-McCann, 1968, 286 p., \$6.50. An exploration in depth of the statistical evidence of the Swedish way of life, its stresses and strains, social organization, welfare, labor and leisure.

**TEACHING MACHINES AND PROGRAMMED INSTRUCTION**—Harry Kay, Bernard Dodd and Max Sime—Penguin Bks., 1968, 173 p., illus., paper, \$1.45. Describes the principles of programmed teaching and their application to both books and machines on all levels of education.

**TEEN-AGE DRINKING**—Margaret Bacon and Mary Brush Jones—Crowell, 1968, 228 p., \$5.95. Presents research findings on teen-age drinking, ethnic drinking patterns, adult drinking in the U.S., and the effects of alcohol.

**THORIUM FUEL CYCLE**—Raymond G. Wymer—USAEC (GPO), 1968, 839 p., illus., folded charts, paper, \$3. Papers of Second International Symposium, cover thorium reactor concepts, fuel-cycle economics, fuel preparation and irradiation testing, fuel processing studies and reactor operating experience.

**UNDERSTANDING ELECTRONICS UNITS AND STANDARDS**—Earl J. Waters—Sams, 1968, 128 p., diagrams, paper, \$3.50. Simple discussion of electronic units, the standards used to establish the units, and the derivation of the units.

**THE WORLD OF THE ANT**—David F. Costello—Lippincott, 1968, 160 p., photographs, by author, \$5.95. Takes the reader among many different species of ants, observing their homes, social customs and habits through each season of the year.

## TEXTBOOKS

**FOUNDATIONS OF CHEMISTRY**—Ernest R. Toon, George L. Ellis and Jacob Brodtkin—Holt, 1968, 803 p., illus., \$7.88. A high school text organized around a framework of basic laws and principles developed from observations and data.

**FUNDAMENTALS OF COLLEGE CHEMISTRY**—Jesse H. Wood, Charles W. Keenan and William E. Bull—Harper, 1968, 2nd ed., 547 p., illus., \$8.95. Revision contains more theoretical

topics related to chapter content, and numerical exercises have been increased in number and rigor.

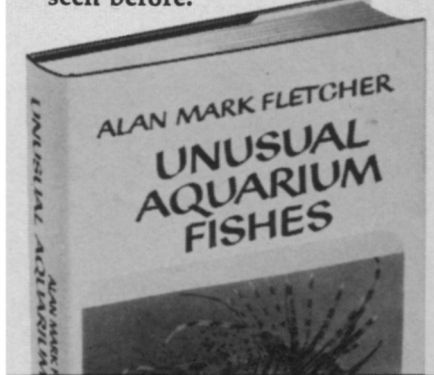
**GENETICS FOR MEDICAL STUDENTS**—E. B. Ford—Methuen (Barnes & Noble), 1968, 6th rev. ed., 211 p., diagrams, \$3.50. Brief and elementary introduction to human heredity.

**MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS: A First Course**—James W. Armstrong—Harper, 1968, 320 p., diagrams, \$9.50. Consists primarily of an algebraic treatment of the number concepts.

**PHYSICAL SCIENCE**—Donald S. Allen and Richard J. Ordway—Van Nostrand, 1968, 2nd ed., 872 p., illus., \$10.95. Revised introductory science text, includes chapters on nuclear reactions and on modern concepts of electronic structure and bonding.

**THEORETICAL MECHANICS: A Short Course**—S. Targ—Gordon & Breach, 1967, 421 p., diagrams, \$17.50. Text designed for students of higher and secondary technical schools, material presented proceeds from the particular to the general.

A former editor of *The Aquarium* tells about the bizarre aspects of some familiar fishes, as well as amazing fishes you may never have seen before.



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Most of the photographs were taken by A. van den Nieuwenhuizen and Gene Wolfsheimer, whose work is widely known and admired. Order your copy now.

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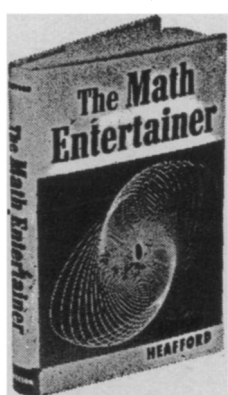
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