

books OF THE WEEK

THE ANIMALS NEXT DOOR: A Guide to Zoos and Aquariums of the Americas—Harry Gersh with National Recreation and Park Association, Washington, D.C.—Fleet Academic, 1971, 170 p., wood engravings by Thomas Bewick, \$6.95; paper, \$3.50. Discusses the meaning, functions, physical plant and maintenance of zoos, and offers a comprehensive directory, arranged state-by-state, including Canada and South America. Contains also lists of endangered species.

BEGINNER'S GUIDE TO TV REPAIR—George Zwick—TAB Bks., 1971, 176 p., illus., \$6.50; paper, \$3.95. Safe, simple, preventive and corrective maintenance program that requires no specialized tools or equipment.

THE BOTANY AND CHEMISTRY OF CANNABIS: Proceedings of a Conference organized by The Institute for the Study of Drug Dependence at The Ciba Foundation, 1969—C. R. B. Joyce and S. H. Curry, Eds.—Churchill (Williams & Wilkins), 1971, 217 p., illus., \$12. Brings together scientifically accurate material concerning the botanical and chemical characteristics of Cannabis, its pharmacological aspects, and the marijuana program at NIMH.

CLOCKS FOR THE AGES: How Scientists Date the Past—Robert Silverberg—Macmillan Co., 1971, 238 p., photographs, \$5.95. Explores for the young adult and general reader the variety of techniques, perfected within the last hundred years, which enable scientists to assign precise ages to objects, from buried sherds to meteorites.

COEFFICIENTS OF NATURAL SELECTION—L. M. Cook—Hillary House, 1971, 207 p., diagrams, \$7.50; paper, \$3.75. Provides an account of the theory of natural selection as used in ecological genetics. Treats such topics as selective differentials, equilibria and polymorphism, population growth and limitation, and average effects of selection on populations.

CONTRIBUTIONS TO BEHAVIOR-GENETIC ANALYSIS: The Mouse as a Prototype—Gardner Lindzey and Delbert D. Thiessen—Appleton, 1971, 336 p., illus., \$16.50. Presents prime examples of how behavior genetics has used the mouse strategically to explore the genetic foundations of behavior, the gene-environmental interplay, single-gene modification of behavior, and gene-physiologic determination of behavior.

DEVELOPMENT OF SPECIES IDENTIFICATION IN BIRDS: An Inquiry into the Prenatal Determinants of Perception—Gilbert Gottlieb—Univ. of Chicago Press, 1971, 176 p., illus., \$7.50. Monograph deals with the question of how newly hatched birds come to recognize members of their own species during the course of ontogeny. Experiments with species-specific auditory and visual stimuli include investigation of prenatal sensory environment.

DICTIONARY OF SCIENTIFIC BIOGRAPHY, Vol. III: Pierre Cabanis to Heinrich von Dechen—Charles Coulston Gillispie, Ed.-in-Chief—Scribner, 1971, 624 p., diagrams, \$35. Biographical articles, with emphasis on scientific contributions, including bibliographies. This volume contains complete biographies of Carnot, Cherbyshev, the Comptons, the Curies, Dalton and Darwin.

THE FLUID MILK INDUSTRY—James Lloyd Henderson—Avi Pub. Co., 1971, 3rd ed., 677 p., illus., \$33. Updated and largely rewritten revision of Roadhouse and Henderson's THE MARKET-MILK INDUSTRY, reflects the changes in the mechanization of milk production and processing in ever larger dairies and processing plants. Thoroughly discussed are the increasingly more important cultured products.

GLACIAL AND QUATERNARY GEOLOGY—Richard Foster Flint—Wiley, 1971, 892 p., illus., maps, \$24.95. Encyclopedic summary, treats systematically the process of glacial geology and stratigraphic, environmental and historical aspects of the Quaternary Period, including recent findings of pollen stratigraphy, sea-floor corings, isotopic geochemistry and radiometric dating.

HORSES IN AMERICA—Francis Haines—Crowell, 1971, 213 p., illus., map, \$7.95. A panoramic, historical account of the horse in America from *Eohippus* of prehistory to the rodeos of today.

HUMAN HAIR GROWTH IN HEALTH AND DISEASE—David Ferriman—Thomas, C. C., 1971, 64 p., diagrams, \$5.50. Presents the normal morphology and physiology of hair growth and defines the factors underlying the two major disturbances of such growth—hirsutism and alopecia.

INTERACTIONS OF DRUGS WITH CELLS: A Topic in Cell Biology—D. R. H. Gourley—Thomas, C. C., 1971, 141 p., illus., \$8.50. Explores the effects that foreign chemical compounds exert at the cellular and sub-cellular level, deals with passage of drugs through membranes, molecular mechanisms of drug action, interaction with nucleic acids and ribosomes, interactions at cell membranes, and drug-cell interactions still unsolved.

THE LAST GREAT JOURNEY ON EARTH—Brian Branston—Weybright and Talley, 1971, 256 p., photographs, map, \$6.95. An account of the wilderness explored on a 2,000-mile journey by modern Hovercraft up the Rio Negro, tributary of the Amazon River, across a 200-mile natural canal, and down the Orinoco, shooting 50 miles of dangerous rapids.

LIVING WATER—David Cavagnaro—Am. West Pub. Co., 1971, 184 p., 112 photographs in color by Ernest Braun, \$13.95 until 12/31/71. A very beautiful book, presents water as the source of life and essential to its conservation, against a background of mountains, meadows, rivers, through the seasons.

MINERALS YEARBOOK 1969, Vol. I-II: Metals, Minerals and Fuels—Bureau of Mines Staff, Albert E. Schreck, Ed.—GPO, 1971, 1194 p., diagrams, tables, \$6. From Abrasive Materials to Zinc, chapters deal with all metal, nonmetal and mineral fuel commodities important to the domestic economy; in addition, tabular materials review mineral industries, technologic trends, and statistical summary.

PRACTICAL CATALYTIC HYDROGENATION: Techniques and Applications—Morris Freifelder—Wiley-Interscience, 1971, 663 p., diagrams, \$24.95. Reference source to useful methods for the hydrogenation of organic compounds. Includes alternative methods of hydrogenation even when using a particular method and specific catalyst is the best procedure.

PROGRESS IN PARAPSYCHOLOGY—J. B. Rhine, Ed.—Parapsychology Press, 1971, 313 p., illus., \$7. Dedicated to the memory of William McDougall, the book summarizes new approaches to ESP testing, psychokinetic research, factors in psi test performance, and main lines of continuity in research.

THE WINTER OF THE FISHER—Cameron Langford—Norton, 1971, 222 p., \$5.95. Novel based on fact, recreates the struggle for survival from one spring to another in the life of a fisher, a fur bearer larger than a marten, in a dense northern forest.

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