

books OF THE WEEK

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ADAM OR APE: A Sourcebook of Discoveries About Early Man—L. S. B. Leakey and Jack and Stephanie Prost, Eds.—Schenkman Pub. Co., 1971, 452 p., illus., paper, \$4.95. Collection of significant papers discussing discoveries, contradictions and hypotheses about the origin of Man.

ADOLESCENCE—Irene M. Josselyn, M.D.—Harper, 213 p., \$5.95. Report published under the auspices of the Joint Commission on Mental Health of Children, seeks to re-define adolescence in today's world, interprets patterns, psychological symptoms and psychosocial problems, and discusses psychotherapies.

THE AMERICAN COAST—Introd. by Jean Stafford—Scribner, 1971, 160 p., color plates, photographs, \$12.50. A pictorial record of U.S. seascapes and coastlines, from Maine to the Florida Keys, from Alaska to Baja California and the Hawaiian beaches.

AQUARIUM FISHES: Their Beauty, History and Care—James W. Atz—Viking Press, 1971, 112 p., 45 color photographs by Douglas Faulkner, \$10.95. Brief history of fish-keeping and guide to aquarium management illustrated with fine collection of tropical fishes.

THE BIOLOGICAL AND SOCIAL MEANING OF RACE—Richard H. Osborne, Ed.—Freeman, 1971, 182 p., diagrams, tables, \$6; paper, \$2.95. Presents in layman's terms some of the most solid work of the scientific community on such topics as race equality, ethnic differences in growth and development, social behavior and human diversity, and races and the future of man.

BIOPHYSICAL PROPERTIES OF THE SKIN—Harry R. Elden, Ed.—Wiley-Interscience, 1971, 645 p., diagrams, \$35. Focuses attention on connective tissue components, hydration, and aqueous solutions, reports on extensive theoretical work done on components of skin, particularly the thermodynamics of melting, deformation, and properties of solutions.

BIRDS OF EUROPE—Bertel Bruun; Bruce Campbell, Ed.—McGraw-Hill, 1971, 319 p., 2,000 illus. by Arthur Singer, maps, \$6.95. Embracing a land mass of 3,900,000 square miles with a wide variation of climates, this field guide pictures and describes every known species—breeding birds, permanent residents and migrants, even occasional visitors.

COLOR AERIAL STEREOGRAMS OF SELECTED COASTAL AREAS OF THE UNITED STATES—Harland R. Cravat and Raymond Glaser—NOAA Nat'l Ocean Survey (GPO), 1971, 93 p., color photographs, maps, stereo viewer, \$4.75. Describes history and methods used in the National Ocean Survey program, and shows views of characteristic coastal formations and harbors.

CURVES AND AUTOMATION: The Scientists' Plot—Jesse Dilson—Lippincott, 1971, 141 p., illus., \$5.50. Discusses the basic philosophy of representing quantities through graphs, curve and the Cartesian system, and investigates the impact of 20th century technology on this 17th century invention.

DAMS AND OTHER DISASTERS: A Century of the Army Corps of Engineers in Civil Works—Arthur E. Morgan—Porter Sargent, 1971, 448 p., illus., \$7.50. A critical, annotated survey, documents the inadequacies of the Army Corp's past pattern of performance in public works and environmental protection projects.

DEVELOPMENTAL GENETICS—Clement L. Markert and Heinrich Ursprung—Prentice-Hall, 1971, 214 p., illus., \$6.95; paper, \$3.50. Focuses on the role of genes during cell differentiation. Highlights include critical analysis of nuclear transplantation experiments, morphogenetic expression of gene activity, and an analysis of cancer as an abnormal manifestation of cell differentiation.

THE DISCOVERY OF OUR GALAXY—Charles A. Whitney—Knopf, 1971, 316 p., photographs, drawings, \$10. Follows the search from early speculations through the 18th Century evolution of the nebular hypothesis, to the resolution of the enigma of the Milky Way with the help of modern telescopes and new quantitative tools.

DOING FIELDWORK: Warnings and Advice—Rosalie H. Wax—Univ. of Chicago Press, 1971, 395 p., \$10.50. Theoretical, practical and historical discussion of ethnographic fieldwork, followed by autobiographical material giving detailed, chronological account of the author's three major field experiences.

EXPLORERS OF THE BRAIN—Leonard A. Stevens—Knopf, 1971, 358 p., illus., \$7.95. Historical narrative of the study of the human nervous system and its most complex component, the brain. An account of developments in neurobiology, from Galvani in the 18th century to today's researchers in the chemistry of memory.

HIGH ARCTIC: An Expedition to the Unspoiled North—George Miksch Sutton—Eriksson, 1971, 134 p., color plates by author, photographs, \$12.95. Describes the experiences of ornithologist-painter in the desolate landscapes of the Far North, documenting brant, jaegers, snow geese, muskoxen, lemmings, eiders and ptarmigans.

HOW TO SOLVE IT: A New Aspect of Mathematical Method—G. Polya—Princeton Univ. Press, 1971, 2nd ed., 253 p., diagrams, \$7.50; paper, \$1.95. Reprint (1956), emphasizes that mathematics, besides being a necessary avenue to engineering and scientific knowledge, may be fun and may also open up a vista of mental activity on the highest level.

INSTINCT AND INTELLIGENCE: Behavior of Animals and Man—S. A. Barnett—Prentice-Hall, 1971, 224 p., photographs, drawings, paper, \$2.95. Reprint (1967) summarizes significant findings in the field of ethology. By describing how and for what end animals act and react the author focuses on the role of "intelligence" in the whole of the animal kingdom.

INTERNATIONAL DIFFUSION OF TECHNOLOGY: The Case of Semiconductors—John E. Tilton—Brookings, 1971, 194 p., charts, tables, \$7.95. Study provides insights into the diffusion process, and its consequences for economic growth, per capita income and corporate subsidiaries abroad, by examining the dissemination of semiconductor technology in the United States, Great Britain, France, Germany and Japan.

NATIONAL DRUG CODE DIRECTORY, June 1971—Office of Scientific Coordination, Bureau of Drugs, FDA—GPO, 1971, 3rd ed., 615 p., paper, \$4.25. Computerized description of more than 22,000 drug products, organized alphabetically by product name.

THE NEW FACE OF SCIENCE—Fred Hoyle—Norton, 1971, 132 p., diagrams, \$6.95. Thoughtful essays on the role of science as a vital force that can help change outdated attitudes, looks at the world from the viewpoint of a physicist and astronomer.

OLFACTION AND TASTE: Proceedings of the Third International Symposium—Carl Pfaffmann, Ed.—Rockefeller Univ. Press, 1970, 684 p., illus., \$23. Papers and discussions represent a wide range of disciplines

dealing with receptor mechanisms, psychophysics and sensory coding, and the role of olfaction and taste in behavior.

REASON AND EXPERIENCE: The Representation of Natural Order in the Work of Carl von Linné—James L. Larson—Univ. of Calif. Press, 171 p., plates, \$7.50. Reexamines the nature and extent of the connection between logical forms and natural forms implicit in Linné's systematic structure of nature.

RED SALMON, BROWN BEAR: The Story of an Alaskan Lake—Based on the experiences of Dr. Theodore J. Walker; Alfred Meyer, Ed.—World Pub. Co., 1971, 223 p., color photographs, map, \$8.95. First in New Explorers series, records the adventures and ecological insights gained during seven solitary months spent on the shores of a remote Alaskan lake.

TALENT AND GENIUS: The Fictitious Case of Tausk contra Freud—K. R. Eissler—Quadrangle Bks., 1971, 403 p., \$12.95. A psychoanalytical inquiry and psychological study of two personalities, revealing qualitative differences and the sublimations of true genius as distinct from those of the merely talented person.

THIS SIDE OF YESTERDAY: Extinction or Utopia—Paul S. Henshaw—Wiley, 1971, 186 p., diagrams, \$5.95; paper, \$2.95. Traces the process of man's becoming, probes the development of his societal behavior, practices and trends, and considers the adaptations required for the ongoing human role in Nature's scheme.

TURTLES OF THE NORTHEASTERN UNITED STATES—Harold L. Babcock—Dover, 1971, 99 p., 16 color plates, paper, \$2.50. Unabridged republication of Memoir (1919) discussing New England species and their habits.

UNDERSTANDING PIAGET: An Introduction to Children's Cognitive Development—Mary Ann Spencer Pulaski—Harper, 1971, 241 p., illus., \$6.95. A lucid exposition of Piaget's studies on the stages of intellectual growth in children. Succeeds in presenting Piaget's groundbreaking research in terms the layman can understand. Notes, chronological bibliography, and glossary are included.

WILD FLOWERS OF THE UNITED STATES, Vol. V, Parts 1 and 2, THE NORTHWESTERN STATES: Washington and Oregon West of the Cascade Range, and California Southward to the Deserts—Harold William Rickett—McGraw-Hill, 1971, 13" x 10", 666 p., 120 color plates, drawings, boxed, \$57.50. Comprehensive, scientifically accurate work for the serious amateur and student, covers some 3,000 species from a wide range of climatic environments.

THE WATER HUSTLERS—Robert H. Boyle, John Graves and T. H. Watkins—Sierra Club, 1971, 253 p., maps, \$7.95. Examines from the conservationist's point of view present and proposed waterways and water use in Texas, California and the New York Metropolitan Area.

THE WORLD OF THE GULL—David F. Costello—Lippincott, 1971, 157 p., 87 photographs by author, \$5.95. Through the seasons we meet various gull species in their habitats and learn about their habits and life cycles.

YOUR BODY CLOCK—Hubertus Strughold, foreword by Charles H. Roadman—Scribner, 1971, 94 p., diagrams, \$5.95. Authority on space medicine outlines the physiology of body rhythms, their significance for the jet traveler, and the effect on body clocks of trips into space, to the moon and to Mars. Includes conversion table, glossary and bibliography.