

books OF THE WEEK

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AMPHIBIANS—J. F. D. Frazer—Springer Verlag, 1973, 122 p., photographs, drawings, maps, paper, \$5.80. Covers the subject from classification to amphibian communities, and points to particular lines of investigation which can be undertaken by young people without the resources of a well-equipped laboratory.

BEGINNER'S GUIDE TO ARCHAEOLOGY: The Modern Digger's Step-by-Step Introduction to the Expert Ways of Unearthing the Past—Louis A. Brennan—Stackpole, 1973, 318 p., drawings, maps, \$9.95. Brings together techniques and background that may enable the citizen-digger to make meaningful contributions to early history by saving shreds of evidence from destruction by bulldozer.

BEYOND THE PUNITIVE SOCIETY: Operant Conditioning, Social and Political Aspects—Harvey Wheeler, Ed.—W. H. Freeman, 1973, 274 p., \$8.95. Considers Skinner's operant conditioning as a social technology and subjects it to a technological assessment, probing whether it can and should be made to work—and if so, how.

CAGE BIRD IDENTIFIER—Helmut Bechtel—Sterling, 1973, 256 p., 120 color photographs by author, drawings, \$3.50. Guidebook gives full-page descriptions, with feeding and breeding information, facing each full-page bird portrait.

CHEMISTRY IN THE ENVIRONMENT: Readings from the SCIENTIFIC AMERICAN—Intro. by Carole L. Hamilton—W. H. Freeman, 1973, 361 p., photographs, drawings, diagrams, tables, \$12; paper, \$5.95. Articles deal with the ever increasing ability of man to manipulate substances at the atomic and molecular level, thus making life more comfortable but also upsetting the former natural balance.

CLINICAL WHOLE BODY COUNTING—Peter Reizenstein—Williams & Wilkins, 1973, 76 p., photographs, diagrams, paper, \$6.95. Monograph reviews the present state of the art in performing *in vivo* measurements of radioactivity in low background areas, and their use in clinical diagnosis.

CONFLICT, VIOLENCE AND MORALITY IN A MEXICAN VILLAGE—Lola Romanucci-Ross—Natl Pr, 1973, 212 p., photographs, paper, \$2.95. Based on three years of anthropological field work, the study analyzes conflict, culture contact, modernization and moral values in a *mestizo* community.

CONTEMPORARY APPROACHES TO CONDITIONING AND LEARNING—F. J. McGuigan and D. Barry Lumsden, Eds.—Winston (Halsted Pr), 1973, 334 p., diagrams, \$12.95. Representative original contributions by behavioral scientists dealing with past, present and future laws that govern conditioning and learning.

DARWIN AND HIS CRITICS: The Reception of Darwin's Theory of Evolution by the Scientific Community—David L. Hull—Harvard U Pr, 1973, 473 p., \$18.50. Presents 16 representative reviews of the *Origin of Species* and *Descent of Man* by leading scientists. Each essay is prefaced by a selection from Darwin's correspondence giving his response to it.

THE EARLY WINDOW: Effects of Television on Children and Youth—Robert M. Liebert, John M. Neale and Emily S. Davidson—Pergamon, 1973, 209 p., illus., \$9.50; paper, \$6.50. An evaluative research report by a group of psychologists.

THE EARTH'S AGE AND GEOCHRONOLOGY—Derek York and Ronald M. Farquhar—Pergamon, 1972, 178 p., diagrams, tables, \$8.25. Outlines modern geochronological methods, interpretations and some applications.

ECLIPSING VARIABLE STARS—V. P. Tsevech, Ed., transl. from Russian by R. Hardin—IPST (Halsted Pr), 1973, 310 p., diagrams, \$28.50. Monograph describes systematically present-day sophisticated methods of observation and presents new information about close binaries.

THE EDGE OF ADAPTATION: Man and the Emerging Society—Richard Kostelanetz, Ed.—P-H, 1973, 180 p., \$6.95; paper, \$2.45. Essays probe the impact of modern technology, such as data-processing machines, high-speed transportation, cable TV, information revolution, occupational hazards, and other problems and potentials of the future.

EINSTEIN: The Man and His Achievement—G. J. Whitrow, Ed.—Dover, 1973, 94 p., paper, \$1.50. Based on the 1965 BBC program series in which scientists who had known Einstein contributed personal reminiscences to provide a clearer picture of the man and his influence on the physics of the 20th century.

EMOTIONAL COMMON SENSE: How to Avoid Self-Destructiveness—Roland S. Parker—Har-Row, 1973, 219 p., \$6.95. Based on modern behavioral science the book synthesizes the shared experiences of thousands of individuals in clinical psychologist's group therapy meetings. Stress is on the individual's responsibility to help himself.

HALLUCINOGENS AND SHAMANISM—Michael J. Harner, Ed.—Oxford U Pr, 1973, 216 p., illus., \$8.50. Collection of 10 original field studies, explores the role of native hallucinogenic agents in invoking a trance state to perceive and manipulate supernatural forces, from tribes of the Upper Amazon to Apaches undergoing westernization.

THE HEADACHE BOOK—Arnold P. Friedman, M. D. and Shervert H. Frazier, Jr., M. D., with Dodi Schultz—Dodd, 1973, 180 p., \$5.95. Neurologist and psychiatrist present in layman's terms the cause of a headache, who are the people who suffer and why, the nature of pain, and how medicine can help the sufferer.

MENTAL HEALTH ON THE CAMPUS: A Field Study—Raymond M. Glasscote and Michael E. Fishman, M.D. with others—Jt Information Service, 1973, 216 p., \$7. Besides providing an overview of emotional aspects of the contemporary college scene in the U.S., the study describes detailed findings in six schools outstanding for their mental health networks.

MINIMAL BRAIN DYSFUNCTION—Felix F. De la Cruz, Bernard H. Fox and Richard H. Roberts, Eds.—N Y Acad of Sciences, 1973, Annals, Vol. 205, 396 p., illus., tables, paper, \$30. Monograph presents research papers on conceptual models, experimental data, epidemiology, environmental and hereditary factors, diagnosis and treatment.

MUSHROOMS AND TOADSTOOLS in Color—Else and Hans Hvass, illus. by E. Hahnewald—Hippocrene Bks, 1973, 156 p., 100 color plates, drawings, \$5.95. Pocket-size guide intended to help amateurs identify some 343 fungi, both edible and poisonous.

THE NATURE OF HUMAN CONSCIOUSNESS: A Book of Readings—Robert E. Ornstein, Ed.—W H Freeman—1973, 514 p., illus., paper, \$5.95. Broad selection of articles draws on sources ranging from "hard" science reports and techniques of meditation, anthropology, neurophysiological articles on brain function, to linguistic analyses and yoga.

NEBRASKA WILD FLOWERS—Robert C. Lommasson—U of Nebr Pr, 1973, 195 p., 260 color plates, \$10; paper, \$4. Depicts and describes the most representative and spectacular types of native and naturalized herbaceous flowering plants, includes key to plant genera.

ORBITAL AND ELECTRON DENSITY DIAGRAMS: An Application of Computer Graphics—Andrew Streitwieser, Jr. and Peter H. Owens—Macmillan, 1973, 175 p., illus., paper, \$5.95. Discusses concepts and presents examples of three-dimensional plotting of atomic and molecular orbitals, and polyatomic molecules.

THE PARENTS' ENCYCLOPEDIA of Infancy, Childhood and Adolescence—Milton I. Levine, M.D. and Jean H. Seligmann; foreword by Lee Salk—T Y Crowell, 1973, 620 p., illus., \$10. Some 775 main entries present a balanced coverage of physical and psychological topics in the areas of development, health, behavior, care and guidance.

THE PREDATORY BEHAVIOR OF WILD CHIMPANZEES—Geza Teleki—Bucknell U Pr, 1973, 232 p., photographs, maps, tables, \$15. A report on observed and documented cases of predation among wild chimpanzees in the Gombe National Park of Tanzania, based primarily on two years of field research.

PSYCHOLOGICAL PERSPECTIVES ON POPULATION—James T. Fawcett, Ed.—Basic Bks, 1973, 522 p., \$15. Joining psychology and demography in a new field of interrelated exploration, the research reported here focuses on individuals and couples, their beliefs, feelings and behavior related to child-bearing, family-size and birth control.

RESEARCHES INTO THE PHYSICAL HISTORY OF MAN—James Cowles Prichard; introd. by George W. Stockings, Jr., Ed.—U of Chicago Pr, 1973, 712 p., photograph, \$14.50. Facsimile of Prichard's *Researches*, published in 1813, introduced by 144-page essay on Prichard's major contributions to British anthropology, 1800-1850.

STATISTICAL THINKING: A Structural Approach—John L. Phillips, Jr.—W. H. Freeman, 1973, 124 p., diagrams, \$5.95; paper, \$2.50. A supplement for an introductory statistics course, designed, with its idea-oriented approach, to help students over psychological hurdles when confronted by the necessity of thinking quantitatively.

THE THINKING MACHINE: Gene, Brain, Endocrines and Human Nature—John Brierley—Fairleigh Dickinson, 1973, 195 p., illus., \$8. Examines the present knowledge about the nervous and endocrine systems whose organs regulate man's learning, feelings, temperament and character.

THREATENED WILDLIFE OF THE UNITED STATES—Office of Endangered Species and International Activities, U.S.D.I.—Bur. of Sport Fisheries & Wildlife (GPO), 1973, 300 p., paper, \$3. Data pages on threatened native fishes, reptiles and amphibians, birds and mammals.

TRANSISTOR PHYSICS—K. G. Nichols and E. V. Vernon—Chapman & Hall (Halsted Pr), 1973, 332 p., diagrams, paper \$5.95. Intended as an introduction to the application of physical theory to the study of semiconductors and transistor devices.

VISCERAL LEARNING: Toward a Science of Self-Control—Gerald Jonas—Viking Pr, 1973, 154 p., \$6.95. Tells the story of Dr. Neal Miller's experiments and applications of his discoveries, as well as other Western and Eastern experiments with "biofeedback" mechanism.

THE WEB OF SPACE-TIME: A Step-by-Step Exploration of Relativity—Mitch Struble—Franklin Inst (Westminster Pr), 1973, 174 p., illus., \$5.95; paper \$3.95. Explains relativity—matter and antimatter, energy, gravity—tracing developments from discovery to discovery.

YOUR BRAIN AND NERVES—J. Lawrence Pool, M.D.—Scribner, 1973, 211 p., illus., \$7.95. Addressing the layman, a neurosurgeon describes disturbances and ailments of the nervous system, from ailing back to Parkinson's disease, and discusses their treatment, based on several decades of his own experience.