

BOOKS

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THE ANCIENT NEAR EAST—Charles Burney—Cornell U Pr, 1977, 224 p., color and b&w photographs and drawings, \$15. A beautifully illustrated introduction to the more significant aspects of Near East archaeology and civilizations.

ANNUAL REVIEW OF PHYTOPATHOLOGY Vol. 15—Kenneth F. Baker, George A. Zentmyer and Ellis B. Cowling—Annual Reviews, 1977, 499 p., illus., \$17. Includes two new types of articles—a series on the unique features of the several types of crop pathology and a series on important little-known contributors to plant pathology.

THE ATLAS OF MERCURY—Charles A. Cross and Patrick Moore, foreword by Sir Bernard Lovell—Crown, 1977, 48 p., photographs and drawings, \$10. From the best of the Mariner 10 photographs a new chart of Mercury is presented, the photographs showing the most important characteristics are further enlarged and experiments carried out by Mariner 10 are discussed along with earlier observations from earth-based telescopes.

BIOHAZARD—Michael Rogers—Knopf, 1977, 209 p., \$8.95. A readable book about the struggle to control recombinant DNA experiments, which entail the most promising, but possibly the most threatening scientific research ever undertaken. The author has been intimately involved with this dilemma almost from its inception.

THE BIRTH CONTROL BOOK—Howard I. Shapiro—St. Martin, 1977, 318 p., photographs & drawings, \$10. Presented in a question and answer format, the purpose of this book is to inform women on the vital subjects of contraception, sterilization and abortion.

COPPER: ITS GEOLOGY AND ECONOMICS—Robert Bowen and Ananda Gunatilaka—Halsted Pr, 366 p., photographs and drawings, \$49.50. Focuses on the geology of copper deposits, emphasizes processes, combines data from many sources and explains the technological and economic background surrounding copper production.

CREATIVE PROCESS IN GESTALT THERAPY—Joseph Zinker—Brunner Mazel, 1977, 278 p., illus., \$13.50. Written about the author's experience as a therapist in the realm of creativity in the therapeutic process.

THE ENCYCLOPEDIA OF HEALTH AND THE HUMAN BODY—Gerald Newman, Ed.—Watts, 1977, 426 p., photographs and drawings, \$14.90. Contains in-depth coverage of the field of hygiene as it relates to physical and mental health with explanations of diseases, treatments, bodily parts and systems, and anatomical structures, together with profiles of physicians and scientists who have contributed to this field.

ENERGY: A Crisis—A Dilemma or Just Another Problem?—Jesse S. Doolittle—Matrix, 1977, 313 p., drawings, paper, \$12.95. For those with a limited background in science and college students, this book surveys our past and present uses of energy and attempts to show what our future demands will be. The "new energy sources" are examined in order to evaluate their potential for meeting our future needs; energy production and the environment are discussed.

GAY: What You Should Know about Homosexuality—Morton Hunt—FS&G, 1977, 210 p., \$7.95. Written for young people, this book tells what scientists have been learning and gays have been revealing to help those interested discover what the several kinds of homosexuality are.

GETTING INVOLVED WITH YOUR OWN COMPUTER: A Guide for Beginners—Leslie Solomon and Stanley Veit—Ridley Enslow, 216 p., illus., \$9.95, paper, \$5.95. Discusses the possible uses of a personal computer, the basic computer system, various computer systems that are available and further information sources about personal computers.

GRZIMEK'S ENCYCLOPEDIA OF ETHOLOGY—Klaus Immelmann, Ed.—Van Nos Reinhold, 1977, 705 p., color and b&w photographs and drawings, \$39.50. An animal's behavior results from its constant interaction with its environment and from the vital processes taking place within the organism itself. This volume covers the current theories and research findings on animal behavior patterns.

INSECT LIFE—Michael Tweedie—Collins (Taplinger), 1977, 192 p., photographs & drawings, \$8.95. Written as an introduction to the insect's way of life and to illustrate the insect's place in the world. Discusses many different kinds of insects in detail.

ISLANDS AND THEIR MYSTERIES—George Laycock—Four Winds, 1977, 106 p., illus., \$7.95. A simply written book which describes the different kinds of islands, how they are formed, how plant and animal life come to islands and why some island life is unique.

METEORITE CRATERS—G. J. H. McCall, Ed.—DH&R (Halsted Pr), 1977, 364 p., photographs & drawings, \$35. The craters discussed in these papers represent scars in the proven and probable categories, covering craters of Class I, II and III.

NO MAN ALONE: A Neurosurgeon's Life—Wilder Penfield—Little, 1977, 398 p., illus., \$12.50. An autobiography of this outstanding figure in modern medical history, a pioneer brain surgeon and a leader in research on epilepsy who was director of the Montreal Neurological Institute from 1934 to 1960.

OCEAN SCIENCE: Readings from Scientific American—Introductions by H. W. Menard—W H Freeman, 1977, 307 p., color and b&w photographs and drawings, \$15, paper, \$8. Twenty-five specialists discuss their research in various aspects of the greatly expanding field of oceanography.

PATTERNS OF SYMMETRY—Marjorie Senechal and George Fleck—U of Mass Pr, 1977, 152 p., illus., \$12. Patterns dis-

cussed here extend beyond the visible symmetries of objects to include also some of the less obvious symmetries of art, music, dance and literature.

PERPETUAL MOTION: The History of an Obsession—Arthur W. J. G. Ord-Hume—St Martin, 1977, 235 p., illus., \$15. The perpetual motion seeker was, in most cases, a dedicated scientist fettered not by his own ignorance, but by the limitations of scientific and mechanical knowledge of his time.

PUNISHMENT—Gary C. Walters and Joan E. Grusec—W H Freeman, 1977, 302 p., charts, \$14, paper, \$5.95. The authors' common research goal is to understand how punishment affects behavior. One focuses on the study of processes in the animal laboratory, the other on the role of punishment in the socialization of children.

RAYS OF HOPE: The Transition to a Post-Petroleum World—Denis Hayes—Norton, 240 p., \$9.95, paper, \$3.95. The transition to a world with dwindling oil output is an imminent reality; it could be a painful transition if we do not prepare for it, says the author. This Worldwatch Institute book attempts to think through some of the steps which must be taken in energy conservation and in the development of alternate sources of energy.

A REASSESSMENT OF THE CONCEPT OF CRIMINALITY: An Analysis of Criminal Behavior in Terms of Individual and Current Environment Interaction: The Application of a Stochastic Model—Eggert Petersen—Halsted Pr, 1977, 136 p., charts, \$32.50.

SECRETS OF THE STONES: The Story of Astro-archaeology—John Michell—Penguin, 1977, 96 p., illus., paper, \$2.95. An archaeological theory which relates the designs and locations of megalithic sites to the observed positions of the heavenly bodies at the time they were constructed.

SPREADING DESERTS—THE HAND OF MAN—Erik Eckholm and Lester R. Brown—Worldwatch Inst, 1977, 40 p., illus., paper, \$2. At least 50 million people live in areas that are slowly turning to desert because of humanity's abuse of the land. The productive capacity of vast dry regions in both rich and poor countries is being undermined. This paper written at the request of the UN discusses this serious worldwide problem.

TOOLS FOR THOUGHT: How to Understand and Apply the Latest Scientific Techniques of Problem Solving—C. H. Waddington—Basic, 1977, 250 p., illus., \$12. An attempt to put in reasonably simple language the whole range of present-day ideas on thinking about complex systems.

VERTEBRATE SOCIAL ORGANIZATION—Edwin M. Banks, Ed.—DH&R (Halsted Pr), Benchmark Papers in Animal Behavior/8, 1977, 411 p., charts & diagrams, \$28. A collection of essays, observations and experimental studies of historical importance that emphasize evolutionary perspectives.

THE WAR ANIMALS—Robert E. Lubow—Doubleday, 1977, 255 p., \$7.95. Traces the development of the use of animals for military purposes from ancient times to the present, explains the psychological research that has been applied to these animals and describes some of the military projects in which animals have successfully participated.