

BOOKS

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AGING: The Process and the People—Gene Usdin and Charles K. Hofling—Brunner-Mazel, 1978, 248 p., \$15. An outgrowth of the 1978 annual meeting of the American College of Psychiatrists, which brought together leading authorities in the field of gerontology.

ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE: Vol. 28—J. D. Jackson et al, Eds.—Annual Reviews, 1978, 620 p., charts & graphs, \$19.50. An augmented title has been chosen to more accurately convey the variety of reviews offered and the audience for whom they are intended.

THE ARTICULATE MAMMAL: An Introduction to Psycholinguistics—Jean Aitchison—McGraw, 1978, 256 p., charts & graphs, paper, \$4.50. For those who are interested in why we talk, how we acquire language and what happens when we produce or comprehend sentences. Originally published in hardback in 1977.

BASIC COMPUTER GAMES: Microcomputer Edition—David H. Ahl, Ed., program conversion by Steve North—Workman Pub, 1978, 183 p., illus. by George Beker, paper, \$7.50. 101 games for home microcomputers, minis, time-sharing systems and large main frames—any computer that speaks BASIC. The programs are written in microsoft 8080 BASIC with instruction for conversion to other BASICS.

THE CHEMISTRY OF HUMAN BEHAVIOR—Herbert L. Meltzer—Nelson-Hall, 1979, 261 p., illus., \$17.95. Focuses on the brain as a functioning organ and on the complexity of its chemical morphological organization. This book is intended as a progress report for the informed layman, telling where the author thinks we are in the pursuit of detailed knowledge of brain chemistry, how this knowledge might relate to human behavior and where further research is needed.

CLIMATES OF THE STATES—New material by James A. Ruffner—Gale, 1978, 2 vols, 1185 p., maps & charts, \$38. Includes NOAA narrative state summaries, freeze data, tables of normals, 1941 to 1970, means and extremes to 1975, overview of state climatologist programs and a guide to state and federal public services currently available.

CURRENT MEDICAL DIAGNOSIS & TREATMENT 1979—Marcus A. Krupp and Milton J. Chatton et al—Lange, 1979, 1130 p., paper, \$18. An annually revised desk reference for the physician on widely accepted techniques currently available for medical diagnosis and treatment. Current references to the clinical literature and general bibliographies in most major fields are included.

EARTHQUAKE RESISTANT BUILDING DESIGN AND CONSTRUCTION—Norman B. Green—Van Nos Reinhold, 1978, 171 p., illus., \$15.95. How to design buildings for maximum earthquake resistance, how to strengthen existing buildings and how to repair earthquake damage to buildings. Provides pertinent information concerning earthquakes, including faults and their activities, for those concerned with earthquake resistant engineering.

ENERGY HANDBOOK—Robert L. Loftness—Van Nos Reinhold, 1978, 741 p., illus., \$47.50. A comprehensive reference work on energy resources, technology and policy. Full references to the original sources are provided and a glossary of energy terms and energy conversion factors is included.

THE EXCITEMENT AND FASCINATION OF SCIENCE: Reflections by Eminent Scientists, Vol 2—Compiled by William C. Gibson—Annual Reviews, 1978, 688 p., illus., \$12, paper, \$10. Autobiographical chapters by scientists who have made great contributions to science and society and who engagingly recount their development as scientists.

FLOODS: A Geographical Perspective—Roy Ward—Halsted Pr, 1978, 244 p., illus., \$19.95. Floods are treated both as physical and socioeconomic phenomena that affect, and are in turn affected by, human activities.

GEOMETRIC SYMMETRY—E. H. Lockwood and R. H. Macmillan—Cambridge U Pr, 1978, 228 p., illus., \$24.50. Symmetry, of interest both artistically and mathematically, is important in chemistry, atomic physics, crystallography, architecture and the decorative arts. The first part of this book is largely descriptive and written for the non-mathematical reader. It gives a general account of symmetry and indicates how the ideas may be applied. Part II, which assumes the most elementary knowledge of geometry, enumerates and classifies the symmetry groups of each kind.

A HISTORY OF MICROTECHNIQUE—Brian Bracegirdle—Cornell U Pr, 1978, 359 p., illus., \$47.50. Presents the main facts in the evolution of the microtome and in the development of histological methods.

LANGE'S HANDBOOK OF CHEMISTRY—John A. Dean, Ed.—McGraw, 1979, 12th ed., 1470 p., charts, \$28.50. A detailed compilation of facts, data, tabular material and experimental findings in a thoroughly revised edition of this classic handbook.

THE LIVING HEART—Michael DeBakey and Antonio Gotto—G&D, 1978, 256 p., illus., paper, \$6.95. Two heart specialists tell, in this well-illustrated book, how the cardiovascular system works, what can go wrong and why, and describe what can be done to prevent, contain or repair damage to the heart or blood vessels. Originally published in hardback in 1977.

MAN AND THE STARS—Hanbury Brown—Oxford U Pr, 1978, 185 p., illus., \$14.95. In this fascinating book for the general reader an astronomer tells of some of the contributions of astronomy to our civilization, such as calendars, timekeeping and navigation; illustrates the connection between astronomy and other sciences; outlines major ideas and tells of their originators in the development of astronomy from the 12th century; and goes on to discuss science as an essential part of our civilization.

MEMORY DEVELOPMENT IN CHILDREN—Peter A. Ornstein, Ed.—LEA (Halsted Pr), 1978, 280 p., charts & graphs, \$16.50. Papers, discussion and debate from a conference held at the University of North Carolina at Chapel Hill in May 1976. Three position papers that resulted from conference discussion of critical issues are included.

ON ALMOST ANY WIND: The Saga of the Oceanographic Research Vessel Atlantis—Susan Schlee—Cornell U Pr, 1978, 301 p., illus., \$15. The biography of *Atlantis*, a steel-hulled ketch used by the Woods Hole Oceanographic Institution from her maiden voyage in 1931 to her retirement in 1966, that provides a unique view of 35 years of oceanographic research.

SCIENCE ON TV

SCIENCE NEWS prints the latest written word of scientific developments and noteworthy news. We've set this space aside to inform our readers of programs of scientific interest that are scheduled on television. Check your local listings for exact times.

• Feb. 1 (PBS) NOVA — “Cashing In on the Ocean” examines the political and economic ramifications of the worldwide contest to tap the treasures of the sea. At the center of the debate are nodules, black rocks rich in copper, nickel and cobalt.

• Feb. 8 (PBS) NOVA — “Patterns from the Past” takes a look at the Q'eros Indians. The Peruvian tribe lives a life below the snow-capped peaks of the Andes that closely resembles that of their ancestors thousands of years ago. Although their lifestyle may seem primitive and harsh, they have avoided the poverty and loss of dignity of other, more assimilated Andean Indians.

• Feb. 15 (PBS) NOVA — “Memories from Eden” is a repeat of a program first shown last June. It examines the changing role and responsibilities of zoos. A variety of concerns are considered, including breeding, public education, creative new animal habitats and the reintroduction of animals to their natural environment.

• Feb. 22 (PBS) NOVA — “The Invisible Flame” is hydrogen — pollution free, safe to use and capable of being produced by virtually any source of primary energy. This program weighs the pros and cons of this perpetual fuel and looks at current research into its application to everyday life.

ON HUMAN NATURE—Edward O. Wilson—Harvard U Pr, 1978, 260 p., \$12.50. A work about science and about how far the natural sciences can penetrate into human behavior before being transformed into something new. It examines the reciprocal impact that a truly evolutionary explanation of human behavior must have on the social sciences and the humanities.

666 SCIENCE TRICKS & EXPERIMENTS—Bob Brown—Tab Bks, 1978, 405 p., illus., \$12.95. A collection of science experiments using readily available materials for those who have a natural investigative curiosity about how and why things happen. These experiments originally appeared in a syndicated newspaper column.

THE OTOMÍ: Vol 1, Geography & Fauna—Jesús Salinas Pedraza with H. Russell Bernard—U of NM Pr, 1978, 248 p., drawings by Winfield Coleman, \$15. For 15 years Bernard has worked with Pedraza, an Otomi Indian from Mexico, developing a writing system for the Otomi language. An Otomi ethnography is being prepared of which this is the first volume. This book describes the natural environment of the Mezquital Valley where most of the Otomi now live. The text is presented in Otomi with a free English translation on facing pages.