

# BOOKS

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**THE AMERICAN SEASONS**—Edwin Way Teale—Dodd, 1976, 457 p., 64 photographs by author, \$17.50. Crisscrossing the United States, the author combines scientific observation with sensitive description of the changes of nature following the seasons.

**AN ANTHROPOLOGICAL ANALYSIS OF FOOD-GETTING TECHNOLOGY**—Wendell H. Oswalt with Gloria Mann and Leonn Satterthwaite—Wiley-Interscience, 1976, 326 p., illus., tables, \$17.50. Presents a system for measuring technological complexity to enable researchers to compare artifacts. Analyzes and ranks the productivity of 36 aboriginal societies of foragers and farmers.

**BICYCLING SCIENCE: Ergonomics and Mechanics**—Frank Rowland Whitt and David Gordon Wilson—MIT Pr, 1976, 260 p., photographs, diagrams, tables, paper, \$4.95. Reprint (1974), addressed to the mechanically inquisitive cyclist.

**ETHNICITY: Theory and Experience**—Nathan Glazer and Daniel P. Moynihan, Eds., Corinne Sapos-Schelling, asst.—Harvard U Pr, 1976, 540 p., tables, \$16.50; paper, \$5.95. Contributions explore the meaning, manifestations and significance of ethnicity in modern society and politics, its role in affecting social change, and in advancing group interests.

**FOOD AND AGRICULTURE: A SCIENTIFIC AMERICAN Book**—Sterling Wortman et al.—W H Freeman, 1976, 160 p., photographs, diagrams, maps, tables, \$9; paper, \$4.95. Twelve articles deal with agricultural production in developed and developing countries.

**THE GREATEST BATTLE**—Ronald J. Glasser, M.D.—Random, 1976, 190 p., \$6.95. Pediatrician researcher presents his concerned opinions about the environmental factors that contribute to the growing incidence of malignancies.

**THE INCREDIBLE DR. MATRIX**—Martin Gardner—Scribner, 1977, 262 p., illus., \$8.95. An intriguing study of the numerical pyrotechnics of a brilliant numerologist.

**THE JOHNS HOPKINS ATLAS OF HUMAN FUNCTIONAL ANATOMY**—George D. Zuidema, M.D., Ed.—Johns Hopkins, 1977, 9x11, 120 p., 148 captioned illus. in color by Leon Schlossberg, \$16.50; paper, \$6.95. Succinct, comprehensive presentation of basic anatomy with explanatory text by members of medical faculty.

**THE KILLERS AND CRIPPLERS: Facts on Major Diseases in the United States Today**—National Health Education Committee—McKay, 1976, 340 p., photographs, diagrams, tables, \$12.95; paper, \$9.95. Contains latest available statistics on the principal causes of death and disability, evaluates progress of various medical research programs, compares expenditures for medical research with other federal expenditures.

**THE MICROBES, OUR UNSEEN FRIENDS**—Harold W. Rossmore—Wayne St U Pr, 1976, 238 p., photographs, drawings, tables, \$12.95. A popular discussion of the activity of microbes in the production of bread, cheese, wine and beer; yield of protein from microbial systems; the effect of microbes on soil fertility and on sludge.

**THE MIRACLE HOUSEPLANTS: The Gesneriad Family**—Virginie F. and George A. Elbert—Crown, 1976, 254 p., color and b&w photographs, paper, \$6.95. Practical information for the hobbyist, extends the range of house-grown gesneriads considerably beyond African violets and gloxinias, particularly in the fluorescent garden.

**MUREX SHELLS OF THE WORLD: An Illustrated Guide to the Muricidae**—George E. Radwin and Anthony D'Attilio—Stanford U Pr, 1976, 8x11, 292 p., 32 color plates by David K. Mulliner, 198 drawings, \$35. Comprehensive taxonomic treatment, for both amateur collector and professional.

**1977 YEARBOOK OF ASTRONOMY**—Patrick Moore, Ed.—Norton, 1977, 204 p., plates, drawings, star maps, tables, \$9.95. Monthly charts and astronomical events now include also Southern Hemisphere. Special articles range from revelations about the surface of Venus, to lo's anomalies.

**NO WORLD WITHOUT END: The New Threats to Our Biosphere**—Katherine and Peter Montague—Putnam, 1976, 319 p., diagrams, tables, \$10. Book describes the many new threats to the human body and the earth that have their physical and chemical basis in our industrial civilization. Concludes with concrete suggestions for improvement. Annotated, bibliography and index.

**OIL RESOURCES: Who Gets What How?**—Kenneth W. Dam—U of Chicago Pr, 1976, 204 p., tables, \$11.95. Work focuses on petroleum resources and government policy, on allocation and development problems, examines and compares the recent experiences of Britain and Norway in the licensing of private companies to exploit government-owned North Sea oil.

**OUR ENERGY FUTURE: The Role of Research, Development and Demonstration in Reaching a National Consensus on Energy Supply**—Don E. Kash et al.—U of Okla Pr, 1976, 510 p., photographs, diagrams, tables, \$19.95; paper, \$5.95. To facilitate a consensus among the various interest groups, the book sets forth actual and potential domestic energy supplies, examines the constraints against their development and use, and proposes RD&D programs to eliminate the constraints.

**A PRACTICAL GUIDE TO IMPRACTICAL PETS**—Emil P. Dolensek and Barbara Burn—Viking Pr, 1976, 398 p., photographs by Bruce Buchenholz, \$15. Leading veterinarian's guide to the art of keeping pets; categorizes more than 100 as easy, difficult or impossible; gives practical advice on keeping mammals, birds, reptiles, fish and insects.

**STUTTERING: Theory and Treatment**—Marcel E. Wingate—Irvington (Halsted Pr), 1976, 384 p., tables, \$17.50. Comprehensive overview of the field, with critical analysis of some widely held concepts of stuttering therapy, presents new concepts of the nature of stuttering based on findings of empirical research.

**SYMPTOMS: The Complete Home Medical Encyclopedia**—Sigmund Stephen Miller, Ed.—Crowell, 1977, 668 p., illus., \$17.95. Combines and interrelates clear professional description of some 650 symptoms (Part 1)

with up-to-date medical reference book (Part 2). Excellent briefing section for good health, tables, glossary, index are included.

**THE WINTER WOODS**—John R. Quinn—Chatham Pr, 1976, 124 p., illus. by author, \$8.95. Artist-naturalist roams through the snowy landscape, observing the traces of small wildlife, from crecopia moth cocoon to pilliated woodpecker.

## TEXTBOOKS

**ARITHMETIC WITH PUSHBUTTON ACCURACY**—Herman R. Hyatt, Irving Drooyan and Charles C. Carico—Wiley, 1977, 304 p., diagrams, paper, \$10.95. Covers the standard content for a basic arithmetic course in which students are using algebra-logic type hand-held calculators.

**CELLULAR BASIS OF BEHAVIOR: An Introduction to Behavioral Neurobiology**—Eric R. Kandel—W H Freeman, 1976, 747 p., photographs, diagrams, \$45; paper, \$19.95. Introduction to the principles of cellular biology that underlie simple forms of behavior and behavior modification. Key issues are illustrated with studies of a single invertebrate, the marine snail *Aphysia californica*.

**CLINICAL IMMUNOLOGY**—Samuel O. Freedman and Phil Gold, Eds.—Med Dept Har-Row, 1976, 2nd ed., 275 p., diagrams, tables, \$32.50. Brings recent progress in immunologic research to practicing physicians in a comprehensible and useful fashion. Written not only for specialists, but also for clinicians in internal medicine, pediatrics, laboratory medicine, and surgery.

**DOTS AND LINES**—Richard J. Trudeau—Kent St U Pr, 1976, 210 p., diagrams, \$11; paper, \$6.50. Introduction to graph theory, both comprehensive and up to date in terminology, provides insight into the spirit of pure mathematics.

**INTRODUCTION TO NATURAL SELECTION**—Clifford Johnson—Univ Park, 1976, 220 p., diagrams, tables, \$12.50. Text for graduates and advanced undergraduates presents a rigorous treatment of the operation of natural selection in population genetics, and covers in detail the practical process and problems of measuring selection.

**METABOLISM AND MITOCHONDRIA**—Michael A. Tribe, Michael R. Eraut and Roger K. Snook—Cambridge U Pr, 1976, 9x12, 150 p., photographs, diagrams, \$16.95; paper, \$6.95. Programmed text elucidates the principal metabolic reactions going on inside cells, their pathways, cell coordination, and shows how food taken into cell provides for its structural and energetic requirements.

**PROTEIN SYNTHESIS**—Michael A. Tribe, Irwin Tallan et al.—Cambridge U Pr, 1976, 9x12, 110 p., photographs, diagrams, \$15.95; paper, \$5.95. Programmed text, aims to give student understanding of the basic relationship between DNA, RNA and protein; with DNA serving as template for both its own duplication and RNA synthesis; and RNA, in turn, the template for protein synthesis.

**THE UNIVERSE UNFOLDING**—Ivan R. King—W. H. Freeman, 1976, 504 p., 9 color plates, 345 illus., \$14.95. Text bases the understanding of astronomy solidly on the rules of physics to provide an understanding of why things behave as they do, and tells how this knowledge has developed.