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ADVANCES IN SLEEP RESEARCH, Vol. 2—Elliot D. Weitzman, M.D.—Spectrum (Halsted Pr), 1976, 236 p., illus., \$20. Critical reviews of multidisciplinary research, ranging from discussion of neurophysiological substrates of the changes in respiration during sleep, to "dream detector" and comparison of laboratory and home dreams collected by REM-awakening technique.

THE ARCHAEOLOGY OF NORTH AMERICA—Dean Snow—Viking Pr, 1976, 272 p., color plates, 175 photographs by Werner Forman, maps, chronologies, \$18.95. Explores the cultural traditions, artifacts and sites of the various archaic and historical cultures that once inhabited the country, from Paleo-Indians of the Great Plains to Aleuts and Eskimos in the Arctic.

BEYOND ECONOMIC MAN: A New Foundation for Microeconomics—Harvey Leibenstein—Harvard U Pr, 1976, 310 p., diagrams, \$15. The author introduces modern psychological concepts to microtheory by using individuals instead of groups as his basic units of study, adding an innovative central variable, *effort*, as the X factor providing the most significant results.

GAMES FOR RAINS, PLANES AND TRAINS—Gyles Brandeth—Greene, 1976, 126 p., illus., \$7.95; paper, \$4.25. Family games and brainteasers to keep young minds alert and occupied.

SCIENTIFIC INSTRUMENTS—Harriet Wynter and Anthony Turner—Scribner, 1976, 9x12, 240 p., 300 color and b&w photographs, \$27.50. Provides illustrations and brief descriptions of antique instruments employed in astronomy, navigation, surveying and optics.

THE STRESS OF LIFE—Hans Selye, M.D.—McGraw, 1976, rev. ed., 542 p., illus., \$8.95. The author's original work on his research findings of the body's nonspecific response to stress, called *general adaptation syndrome* (G.A.S.), expanded and updated with new research findings, glossary and annotated references.

TEXTBOOKS

BASIC FOOD CHEMISTRY—Frank A. Lee—AVI Pub. Co, 1975, 430 p., diagrams, tables, \$24; paper, \$12. Undergraduate text, covers the field from discussion of photosynthesis, carbohydrates, proteins, enzymes and lipids to natural colors, browning reactions, fermentation and specific food products.

ENZYMES: Basic Biology Course, Book 7—Michael Tribe, Michael E. Erout and Roger K. Snook—Cambridge U Pr, 1976, 8x12, 112 p., diagrams, \$15.95; paper, \$5.95. Individual-learning text on enzymes.

INTRODUCTION TO PHYSIOLOGICAL PSYCHOLOGY—Francis Leukele—Mosby, 1976, 3rd ed., 526 p., diagrams, \$14.75. Undergraduate text for psychology majors, intended to develop understanding of physiological concepts in other specialized fields, deals with the internal organization of life, integrating and response systems, the senses, and adaptive behavior.

THE MAMMALIAN ALIMENTARY SYSTEM: A Functional Approach—David S. Madge—Arnold (Crane-Russak), 1976, 206 p., photographs, diagrams, \$22.50; paper, \$12.75. Text summarizes the process of extracellular digestion and outlines progress made in understanding intracellular digestion and transfer of food and water molecules in the small intestine.

MATHEMATICS, THE MAN-MADE UNIVERSE: An Introduction to the Spirit of Mathematics—Sherman K. Stein—W H Freeman, 1976, 3rd ed., 588 p., illus., \$12.50. Rewritten and modernized text includes new chapter on probability and chance phenomena.

ORGANIC CHEMISTRY—Norman L. Allinger et al—Worth, 1976, 2nd ed., 1024 p., illus., \$19.95. Tested and improved text, begins with the structure of the main kinds of organic molecules, their physical properties, electron distribution and spectra, examines the reactions these molecules undergo, covers organic synthesis and natural products.

PATTERNS IN HUMAN GEOGRAPHY: An Introduction to Numerical Methods—David M. Smith—Crane-Russak Co, 1976, 373 p., diagrams, tables, \$12. Addressed to the introductory-level student and non-academic reader, demonstrates through illustration a wide range of commonly used numerical techniques.

PHOTOSYNTHESIS: Basic Biology Course, Book 6—Michael A. Tribe, Michael R. Erout and Roger K. Snook—Cambridge U Pr, 1976, 8x12, 85 p., micrographs, diagrams, \$13.95; paper, \$4.95. Deals with the capture of light energy from the sun by green plants, and the transformation of this into chemical energy.

PLANT CELL BIOLOGY: An Ultrastructural Approach—Brian E. S. Gunning and Martin W. Steer—Crane-Russak, 1975, 8x12, 108 p., 200 micrographs, diagrams, paper, \$8.95. Excellent collection of fully captioned illustrations depicting the ultrastructure of plant cells, useful for classroom displays illustrating cell biological topics.

STRESS TRANSIENTS IN SOLIDS—John S. Rinehart—HyperDynamics, 1975, 230 p., diagrams, paper, \$8.95. Text introduces the principles of propagation and interaction of stresses generated by impacts and explosions.

UNDERSTANDING GENETICS—Norman V. Rothwell—Williams & Wilkins, 1976, 500 p., photographs, drawings, diagrams, tables, \$14.95. Introductory text gives a solid foundation in the basics of molecular genetics.

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