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ACETYLCHOLINE: An Approach to the Molecular Mechanism of Action—M. J. Michelson and E. V. Zeimal, transl. from Russian by E. and Mira Lesser—Pergamon, 1974, 260 p., plates, diagrams, tables, \$25.50. Monograph is a detailed account of the cholinergic nerve synapse, its structures and mechanisms of action, and the ways in which various pharmacological agents can affect its function.

ANALYTIC AND EXPERIMENTAL EPIDEMIOLOGY OF CANCER—Waro Nakahari and others, Eds.—Univ Park, 1973, 445 p., photographs, diagrams, tables, \$32.50. Proceedings of the 3rd International Symposium, on the advances in metabolic epidemiology, research in immunology, RNA tumor viruses, high-risk group studies, and strategy for cancer epidemiology.

ANNUAL REVIEW OF MATERIALS SCIENCE, Vol. 3—Robert A. Huggins, Richard H. Bube and Richard W. Roberts, Eds.—Annual Reviews, 1973, 483 p., illus. \$12. Deals with such diverse topics as critical phenomena in solids, charge injection phenomena, layer compounds, cement paste and concrete, and synthesis of materials from powders.

THE DANGEROUS SKY: A History of Aviation Medicine—Douglas H. Robinson, M.D.—U of Wash Pr, 1974, 316 p., 40 plates, \$15. Traces for the interested layman, from early balloon ascent to modern supersonic jetliners, the medical research on the hazards to which flying subjects the human organism, and tells how medical techniques and equipment have helped overcome these difficulties.

DISCOVERY AT THE RIO CAMUY—Russell and Jeanne Gurnee—Crown, 1974, 183 p., photographs, maps. \$6.95. Speleologists' own story of how they found and explored in Puerto Rico one of the largest subterranean river caves in the world.

THE DOCTORS' GUIDE TO BETTER TENNIS AND HEALTH—Claude A. Frazier, M.D., Ed.—Funk & W, 1974, 142 p., drawings, \$5.95. Medical specialists tell in layman's language how to get in shape with exercises, what to do about heart and rheumatic conditions, and how to deal with every kind of injury, from muscle cramps, eye injuries, and skin problems, to insects on the court.

ENVIRONMENTAL HEALTH AND SAFETY—Herman Koren—Pergamon Pr, 1974, 337 p., illus., \$16; paper, \$8.75. A source where student or administrator can find a detailed overview of all areas of institutional health, safety and infection control, as well as description of the latest techniques in microbiology, air sampling, sterilization, detergent and disinfectant evaluation.

FISHES OF THE WORLD: A Key to Families and a Checklist—G. U. Lindberg, transl. from Russian by Hilary Hardin—IPST (Halsted Pr), 1974, 545 p., 1000 drawings, \$42.50. Intended as a practical manual, suitable for ichthyologists and students as well as master crews of exploratory fishing vessels. Helps to determine to which, out of the 550 extant families, 5,000 genera and up to 22,000 species, a particular fish belongs.

FOOD TO IMPROVE YOUR HEALTH: A Complete Guide to Over 300 Food for 101 Common Ailments—Olinda Pelstring and Joann Hauck; foreword by James C. Hirschy, M.D.—Walker & Co, 1974, 224 p., tables, \$7.95. Useful compendium arranged alphabetically, describes composition of foods, *Abalone to Zucchini*, tells how to preserve their nutrients, and which foods are indicated in conditions of deficiency, *Acidity to Wrinkles*.

INTERNATIONAL CONGRESS OF SPACE BENEFITS, 1973: Advances in the Astronautical Sciences, Vol. 30—Francis S. Johnson Ed.—AAS (UNIVELT), 516 p., illus., \$25. Presents the ways in which space activities are benefiting the affairs of man, especially in the areas of communication, navigation, remote sensing, and transportation.

JAPANESE COLOR TV SERVICE MANUAL, Vol. 4: Sharp, Midland, TGA (Mitsubishi). Vol. 5: Sony—Stan Prentiss—Tab Bks, 1974, 212 p., 196 p., diagrams, tables, \$8.95 each. Manuals offer practical information, from alignment adjustment and servicing, to replaceable parts lists for color receivers.

THE MATURING OF AMERICAN SCIENCE—Robert H. Kargon, Ed.—AAAS, 1974, 263 p., illus., \$15.95. Traces the development of the relationship between science and society over the past 50 years as reflected in a selection of presidential addresses of the American Association for the Advancement of Science.

NEW DEVELOPMENTS IN GAS CHROMATOGRAPHY—Howard Purnell, Ed.—Wiley-Interscience, 1973, 415 p., diagrams, tables, \$9.95. Special features include the first comprehensive review of the use of phase-change substrates in GC, novel treatment of industrial scale GC, and application of GC in reaction kinetic studies.

OKAVANGO ADVENTURES: In Search of Animals in Southern Africa—Jeremy Mallinson, foreword by Gerald Durrell—Norton, 1974, 208 p., photographs, map, \$6.95. Lively stories about animal collecting and travel with wild animals.

THE ORIGINS AND INTERNATIONAL ECONOMICS OF SPACE EXPLORATION—Sir Bernard Lovell—Wiley, 1974, 112 p., diagrams, tables, \$4.50. Cites figures and projects, discusses the benefits of satellites to civilian communication, navigation, geodesy, mapping and earth resources studies, and points out the disproportionately low R & D funding, particularly in Europe.

PHILODENDRONS—Jack Kramer—Scribner, 1974, 94 p., illus. by Charles Hoepner, \$5.95. Recommends the best kinds of this hardy houseplant for various locations, and gives full directions for its cultivation.

QUANTITATIVE THIN LAYER CHROMATOGRAPHY—Joseph C. Touchstone Ed.—Wiley-Interscience, 1973, 330 p., illus., tables, \$14.95. Topics treated range from spectrodensitometry of thin layer chromatograms, to quantitative aspects of TLC in air pollution measurements.

QUESTIONS AND ANSWERS ABOUT TAPE RECORDING—Herman Burstein—TAB Bks, 1974, 264 p., diagrams, \$8.95; paper, \$5.95. Covers all kind of problems, from head alignment, bias adjustment, connections, to problems with noise and tapes.

ROBOTICS—John F. Young—Halsted Pr, 1974, 303 p., diagrams, \$18.95. Up-to-date reference source, covers all aspects except the controlling "brain", deals with the technology of sensors muscle performance, electrical actuation, robot stability and mobility, manipulat-

ing limbs, character recognition, perception of movement, robot hearing and speech.

SCIENTIFIC PAPERS OR ARTHUR HOLLY COMP- TON: X-Ray and Other Studies—Robert S Shankford, Ed.—U of Chicago Pr, 1974, 810 p., photographs, diagrams, \$27.50. Introductory chapter gives a historical account of the papers which follow arranged in chronological order.

THE SOLAR CHROMOSPHERE—R. J. Bray and R. E. Loughhead—Chapman & Hall (Halsted Pr), 1974, 404 p., plates, diagrams, tables, \$30. Gives a comprehensive account of the greatly expanded theoretical and observational knowledge of the properties of the "quiet" chromosphere, that distinctive layer between the solar photosphere and corona.

THE STORY OF MEDICINE IN AMERICA—Geoffrey Marks and William K. Beatty—Scribner, 1974, 416 p., photographs, \$10. Gives a historical overview of U.S. medical practices and practitioners, starting from colonial times, deals with the ways problems have been met through developments in medical practice, education and research, leading to the advances and new problems of the modern age.

TEXTBOOKS

GENETIC STRUCTURE OF POPULATIONS—Kenneth Mather—Chapman & Hall (Halsted Pr), 1974, 197 p., diagrams, \$12.95. Intended for advanced undergraduates and research workers, the text restricts the mathematical treatment, emphasizes variation, selection and their interplay through the genetic system.

HEALTH—Jean Mayer—Van Nos, 1974, 532 p., illus., paper, \$8.95. Gives students a contemporary overview of research findings on health and preventive medicine.

INSECTS AND DISEASE—Keith R. Snow—Halsted Pr, 1974, 208 p., drawings by author, tables, \$9.50. Introductory text, describes the life cycles, anatomy and physiology of insects responsible for producing disease conditions in man and other animals, deals with the pathogens themselves, and contains accounts on all the major insect-borne species.

INTRODUCTION TO BEHAVIORAL GENETICS—G. E. McClearn and J. C. DeFries—W. H. Freeman, 1974, 354 p., illus., tables, \$10. Up-to-date text, covers the principles of Mendelian genetics, statistical methods, single-gene analysis, molecular genetics, cytogenetics, population genetics, and evolution.

AN INTRODUCTION TO SEPARATION SCIENCE—Barry L. Karger, Lloyd R. Snyder and Csaba Horvath—Wiley-Interscience, 1973, 586 p., diagrams, tables, \$19.50. Presents unified treatment of analytical separation techniques—different chromatographic procedures, electrophoresis, ultracentrifugation and extraction—within the framework of basic principles.

NUCLEUS AND CYTOPLASM—Henry Harris—Oxford U Pr, 1974, 3rd ed., 200 p., plates, diagrams, \$17.50; paper, \$6.95. Extensively revised text includes development of assays for the biological activity of mRNA, analysis of transcriptional controls in terms of real molecules and, progress in cell fusion.

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