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CHEMISTRY FOR THE MODERN MIND—Joachim Rudolph, foreword by Manfred Eigen, transl. from German—Macmillan, 1974, 359 p., illus., \$8.95. Provides overview of chemistry from clues found by chemists to the invisible atomic and molecular forces behind the transformations which took place in the chemists' test tubes.

COASTAL DESERTS: Their Natural and Human Environments—David H. K. Amiran and Andrew W. Wilson, Eds.—U of Ariz Pr, 1973, 220 p., photographs, maps, tables, \$13.50. Discusses distribution of coastal arid zones, deals with specific Latin American, Old World, and Australian deserts, their climate, needs and development.

THE DESIGN OF LOGICAL MACHINES—Jean Florine, transl. from French by Allan R. Cownie and Evelyn M. Hynes, Eds.—Crane-Russak, 1974, 270 p., diagrams, \$13. Introduction to the design of combinational and sequential logic systems, includes detailed account of the author's special-purpose computer for the automatic design of combinational systems.

ELECTRONIC MUSIC PRODUCTION—Alan Douglas—TAB Bks, 1974, 148 p., diagrams, \$7.95; paper, \$3.95. Discusses the properties of conventional instruments, scales, tuning, concord and discord, the basic methods of synthesizing music electronically, and principles of computer composition.

A FIELD GUIDE TO THE INSECTS OF AMERICA NORTH OF MEXICO—Donald J. Borror and Richard E. White—HM, 1974, 415 p., color plates and 1,300 drawings by authors, paper, \$4.95. Authoritative pocket guide covers 579 families of insects. Gives basic technical information on how to observe, collect, and preserve specimens.

HIGH ENERGY ELECTRON SCATTERING—Russell A. Bonham and Manfred Fink—Van Nos Reinhold, 1974, 318 p., photographs, diagrams, \$24.50. Intended as a guide to the use of high-energy electron scattering to probe atomic and molecular systems, with special emphasis on the experimental use of counting techniques.

HOW IT WORKS, ILLUSTRATED: Everyday Devices and Mechanisms—Rudolf F. Graf and George J. Whalen—Popular Science (Har-Row), 1974, 192 p., schematic drawings, \$10.95. Describes the essential parts and workings of gadgets, from electric grass trimmer to automatic shower valve.

THE POISONS AROUND US: Toxic Metals in Food, Air and Water—Henry A. Schroeder, M.D.—Ind U Pr, 1974, 144 p., tables, \$6.95. Discusses metals and other elements as pollutants and as substances beneficial to life. Concerned primarily with human health, the toxicity of individual metals, micronutrients and deficiencies.

THE POLITICS OF WORLD HUNGER: Grass-Roots Politics and World Poverty—Paul and Arthur Simon—Harper Mag Pr, 1973, 272 p., \$8.95. Presents the facts about the hungry majority of the world, outlines the elements of development and assistance, and discusses programs for U.S. policy and global action.

SHOCK WAVES AND MAN—I. I. Glass—U of Toronto Pr, 1974, 182 p., 116 photographs and illus., \$8.50. Brief text and striking illustrations explain to the layman the many types of shock waves, and their importance in science, technology, nature and cosmology.

THE STEAMBOAT BERTRAND: History, Excavation and Architecture—Jerome E. Petsche—Nat'l Park Service (GPO), 1974, 200 p., photographs, drawings, paper, \$2.65. Deals with the archeological excavation of a mid-19th century riverboat and its cargo.

A USER'S HANDBOOK OF INTEGRATED CIRCUITS—Eugene R. Hnatek—Wiley-Interscience, 1973, 463 p., photographs, diagrams, tables, \$24.95. A coordinated view of the latest IC design, processing and applications, to aid users in making the optimum selection from the range of materials available.

THE WORLD OF CARNIVOROUS PLANTS—James and Patricia Ann Pietropaolo—Stone-ridge, 1974, 128 p., photographs, paper, \$5.95. Source of information on culturing techniques, reproduction methods, and species identification, fully illustrated.

TEXTBOOKS

INTRODUCTION TO BIOGEOGRAPHY—Brian Seddon—B & N, 1973, 220 p., diagrams, maps, \$10; paper, \$5. Proceeds from a systematic mapping of the distribution of species, to a survey of geological, climatic and vegetational factors, to a study of changes in distribution through time and intercontinental migration.

INVESTIGATIONS IN PHYSICS—John W. Renner and Harry B. Packard—L&C (Rand), 1974, 624 p., illus., \$9.56. A secondary-school text which stresses active participation by students, including investigations to be done at home. Correlated lab manual contains 36 investigations, \$3.16.

MICROPROBE ANALYSIS—C. A. Andersen, Ed.—Wiley, 1973, 582 p., illus., \$24.95. Reference and graduate text, treats the analysis and characterization of microstructures of heterogeneous materials by the use of microprobe instrumentation. Discusses electron, laser and ion microprobes in relation to their various fields of application.

MODERN THEORIES OF MOTIVATION: A Comparative Metascientific Study—K. B. MacKen—Halsted Pr, 1974, 472 p., diagrams, \$27.50. Text gives background with a systematic exposition of theories and historical introduction to motivational psychology, then presents analysis of 12 modern theories, and concludes with comparative study.

SIGHT AND MIND: An Introduction to Visual Perception—Lloyd Kaufman—Oxford U Pr, 1974, 596 p., photographs, diagrams, \$14.95. Text presents visual perception as a living science constantly expanding with new insights from many disciplines. Includes comprehensive survey of binocular stereopsis.

SUBATOMIC PHYSICS—Hans Frauenfelder and Ernest M. Henley—P-H, 1974, 570 p., diagrams, \$16.50. Covers the fundamentals and recent advances in the field of nuclear and particle physics. Intended as a one-semester course for seniors or first-year graduate students.

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