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THE AMERICAN ALCOHOLIC: The Nature-Nurture Controversy in Alcoholic Research and Therapy—William Madsen—C. C. Thomas, 1974, 248 p., \$11.50. Written primarily for those engaged in alcoholic research and therapy, the author urges a holistic approach and synthesis of the various interpretations of alcoholism, and analyzes the success of A.A. as compared to the inadequacies of other therapies.

AUTOMOTIVE SCRAP RECYCLING: Processes, Prices and Prospects—James W. Sawyer, Jr.—RIF (Johns Hopkins U Pr), 1974, 157 p., diagrams, tables, \$7.50. An analysis of residuals management of obsolete automobiles, combines formal mathematical models with primary data collection in evaluating the supply of steel scrap.

BIOLOGICAL MICROIRRADIATION: Classical and Laser Sources—Michael W. Berns—P-H, 1974, 152 p., illus., \$9.95. Presents complete review of the literature where microbeams of the classical ultraviolet and ionizing types have been employed to study problems in embryology, cell biology and physiology.

BLACK'S MEDICAL DICTIONARY—William A. R. Thomson, M.D.—B&N, 1974, 30th rev. ed., 934 p., color plates, illus., \$13.50. Updated reference, entirely reset for higher readability, contains such new entries as aversion therapy, hearing aids, prolapsed intervertebral disc, and prostaglandins.

CONTEMPORARY DEVELOPMENTS IN MATHEMATICAL PSYCHOLOGY, Vol. 1: Learning, Memory, and Thinking—David H. Krantz and others, Eds.—W. H. Freeman, 1974, 299 p., diagrams, \$9. Mathematical models of human behavior such as concept identification, problem solving, predictions of attention, search and decision processes.

CORN: Its Origin, Evolution and Improvement—Paul C. Mangelsdorf—Harvard U Pr, 1974, 276 p., photographs, tables, \$20. The result of 48 years of research on the corn plant, a unique grain which survives only as a result of man's intervention, the book is addressed to biologists, agronomists, anthropologists, historians, and the interested layman.

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THE DOCTOR'S MODERN HEART ATTACK PREVENTION PROGRAM—Hyman Engelberg, M.D., with Henry F. Greenberg—Funk & W, 1974, 195 p., illus., \$5.95. Authoritative, well-written, summarizes for the layman all preventive measures found by medical research and medical practice to be effective in lowering the incidence of fatal heart disease.

GAME FREE: A Guide to the Meaning of Intimacy—Thomas C. Oden—Har-Row, 1974, 174 p., \$5.95. An exploration beyond transactional analysis.

HOUSEHOLD INSECT PESTS: An Outline of the Identification, Biology and Control of the Common Insect Pests Found in the Home—Norman E. Hickin—St Martin, 1974, 176 p., color plates, photographs, drawings, \$10. General information and detailed description of 74 insects the householder is most likely to encounter.

MAGIC, MYTH AND MEDICINE—John Camp—Taplinger, 1974, 192 p., illus., \$8.50. Examines the origins and development of a large body of therapeutic folk medicine, fringe medicine, quackery, and the survival of superstition.

ON DEVELOPMENT: The Biology of Form—John Tyler Bonner—Harvard U Pr, 1974, 282 p., illus., \$10. Written for biologists in all fields, at all levels of training. Explores the nature of developmental biology in the evolutionary and in the molecular context, deals with levels of complexity, the synthesis of substances, timing, and control of pattern in the mechanisms of life.

THE PORPOISE WATCHER—Kenneth S. Norris—Norton, 1974, 250 p., plates, \$7.95. A naturalist's experiences with porpoises and whales.

THE RADIO AMATEUR'S HANDBOOK 1974—Headquarters Staff, American Radio Relay League—ARRL, 1974, 51st ed., 704 p., illus., \$7.50; paper, \$4.50. Standard manual of amateur radio communication.

RADIO WAVE PROPAGATION—Armel Picquard—Halsted Pr, 1974, 343 p., diagrams, \$27.50. A propagation handbook that covers the theory and practical procedures for evaluating circuits for all radio frequencies from m.f. upwards. Includes studies of propagation in the troposphere, in the soil, near the ground, and in the ionosphere.

SPACE, TIME AND SPACETIME—Lawrence Sklar—U of Calif Pr, 1974, 439 p., diagrams, \$15. The theme of the book is the interdependence of science and philosophy, starting with the epistemology of geometry, the author examines the concepts of absolute and substantial spacetime, causal order and temporal order, and the direction of time.

SPIRIT OF SURVIVAL: A Natural and Personal History of Terns—John Hay—Dutton, 1974, 186 p., 15 plates, \$7.95. Authoritative as well as poetic observations of the behavior of the great tribal communities of arctic terns.

STRANGE ARTIFACTS: A Sourcebook on Ancient Man. **STRANGE PHENOMENA:** A Sourcebook of Unusual Natural Phenomena—William R. Corliss, Compiler—Corliss, 1974, 262 p., 277 p., illus., \$6.95 each. Reports culled from mostly scientific and some occult journals, arranged by subject.

TRITICALE: First Man-Made Cereal—Cho C. Tsen, Ed.—Am Assn of Cereal Chemists, 1974, 304 p., illus., tables, paper, \$15. Contributions deal with breeding and genetics, structure, biochemistry and nutrition, as food source and in feeds, of a cross-breed of wheat and rye.

A VOICE FOR WILDLIFE—Victor B. Scheffer—Scribner, 1974, 255 p., illus. by Ugo Mochi, \$8.95. Traces the evolution of a new wildlife

ethic in North America from study of opinion in journals, press, and the voices of students and colleagues in wildlife biology.

WATER AND ITS IMPURITIES—Thomas R. Camp and Robert L. Meserve—DH&R, 1974, 2nd. ed., 384 p., diagrams, tables, \$22. Updated presentation of the fundamental physical, chemical and biochemical properties of water.

WEATHER MODIFICATION IN THE PUBLIC INTEREST—Robert G. Fleagle and others—Am Meteorol Soc (U of Wash Pr), 1974, 98 p., tables, \$5.95. Appraises the progress made in weather modification, identifies critical issues, and outlines a socially responsible plan for developing and implementing policy.

TEXTBOOKS

THE CHEMISTRY OF THE NON-METALS—P. Powell and P. L. Timms—Chapman & Hall (Halsted Pr), 1974, 293 p., diagrams, paper, \$8.95. Undergraduate text concerned with the non-metallic elements and the compounds they form with one another.

THE CILIATES—A. R. Jones—St Martin, 1974, 207 p., illus., \$8.95. Elementary text on the ciliate Protozoa.

INORGANIC SOLIDS: An Introduction to Concepts in Solid-state Structural Chemistry—D. M. Adams—Wiley, 1974, 336 p., diagrams, \$22.50. A rigorous yet non-mathematical treatment for undergraduates, deals with the subject by exploring why a solid has a particular structure, and not some other exhibited by compounds of the same stoichiometry.

MUSCLE PHYSIOLOGY—Francis D. Carlson and Douglas R. Wilkie—P-H, 1974, 176 p., illus., \$8.95. Comprehensive and up-to-date analysis of the entire field, treats fundamentals of the initiation, control, and energy conversion processes occurring in the single muscle fiber.

MY FATHER'S WATCH: Aspects of the Physical World—Donald F. Holcomb and Philip Morrison—P-H, 1974, 416 p., illus., \$11.50. Well-tested introductory text in physics for students with no professional interest in science; section on special topics provides guidance to supplementary study in depth.

ORGANOMETALLICS IN ORGANIC SYNTHESIS—J. M. Swan and D. St. C. Black—Chapman & Hall (Halsted), 1974, 158 p., paper, \$7.25. Text presents a concise account of the applications of organometallic starting materials, intermediates and catalysts in organic synthesis.

PEDOLOGY, WEATHERING AND GEOMORPHOLOGICAL RESEARCH—Peter W. Birkeland—Oxford U Pr, 1974, 300 p., illus., \$11. Text focuses on the uses of soils and rock and mineral weathering to solve problems in Quaternary research. The new U.S. soil classification system is used throughout.

STRUCTURED POLYMER PROPERTIES: The Identification, Interpretation and Application of Crystalline Polymer Structure—Robert J. Samuels—Wiley, 1974, 251 p., photographs, diagrams, \$19.95. Graduate-level text, presents a unified approach to the quantitative correlation of crystalline polymer structure with both fabrication and end use property behavior.

WHAT IS ECOLOGY?—D. F. Owen—Oxford U Pr, 1974, 200 p., photographs, diagrams, \$7.95. Text places man in an ecological framework, from the ecology of earthworms and thrushes to the ecology of motor cars, the book treats exponential thinking, food webs and organic diversity, ecosystems and how they work, natural selection and adaptation.