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AMATEUR FM CONVERSION AND CONSTRUCTION PROJECTS—Ken W. Sessions, Jr.—TAB Bks, 276 p., illus., \$8.95; paper, \$5.95. Articles tell experimenter how to build and perfect transmitters, receivers, antennas, tone generating and decoding circuits.

ANNUAL REVIEW OF BIOCHEMISTRY, Vol. 43—Esmond E. Snell, Ed.-in-Chief—Annual Reviews, 1974, 1,085 p., illus., \$16. Thirty-five review articles covering such topics as bacterial transport, membrane receptors, mechanism of enzyme action, peptide hormones, and DNA sequencing techniques.

THE ASCENT OF MAN—J. Bronowski—Little, 1973, 448 p., color plates, photographs, drawings, \$15. A mathematician-humanist's original and impassioned view of man's endeavors to understand the design of his world. Weaves a lucid saga of human scientific search, progressive insights and ingenious use of acquired knowledge. Splendidly illuminated by uncommon illustrations.

BEYOND MONOGAMY: Recent Studies of Sexual Alternatives in Marriage—James R. Smith and Lynn G. Smith, Eds.—Johns Hopkins, 1974, 347 p., \$15; paper, \$3.95. Examines studies pertaining to unconventional, deviant, or socially disapproved practices in the complex relationships between human sexual behavior and the institution of marriage.

BIRDS OF THE WORLD: A Check List—James F. Clements—Two Continents, 1974, 540 p., map, \$15. Comprehensive, single-volume reference to the almost 9,000 species of birds known to ornithologists; gives scientific and common name, location and status.

THE CHALLENGE OF CHANCE: A Mass Experiment in Telepathy and Its Unexpected Outcome—Alister Hardy, Robert Harvie and Arthur Koestler—Random, 1974, 318 p., drawings, \$8.95. Case studies of thought transference analyzed for the possibility of telepathy or coincident thought.

CLIMATOLOGY FROM SATELLITES—E. C. Barrett—Methuen (B&N), 1974, 430 p., 30 plates, diagrams, maps, tables, \$27.50. A pioneer attempt to summarize, within the pre-existing framework of atmospheric knowledge, the more significant findings that have emerged from the first decade of climatological analyses of meteorological satellite data.

CONSERVATION IN PRACTICE—A. Warren and F. B. Goldsmith, Eds.—Wiley, 1974, 512 p., diagrams, maps, tables, \$27.50. An assessment of the British Nature Conservancy program at work, the scientific management of ecological problems, the whole field of conservation activities practiced by professional ecologists in Britain.

THE CONTROL OF THE SEA BED: A New International Issue—Evan Luard—Taplinger, 1974, 320 p., tables, \$14.95. Book describes

for the general reader the nature of the issues at stake—resources, laws in dispute, threat of militarization, dangers of pollution—and the history of approaches to deal with the issues.

DEVELOPMENT IN INFANCY—T. G. R. Bower—W H Freeman, 1974, 266 p., photographs, diagrams, \$10; paper, \$5.95. Presents the findings of experimental research to illustrate perceptual, motor and cognitive development, showing the importance of the psychological environment of the developing infant in speeding or slowing his attainment of fundamental cognitive skills.

A DICTIONARY OF USEFUL AND EVERYDAY PLANTS AND THEIR COMMON NAMES—F. N. Howes—Cambridge U Pr, 1974, 290 p., \$12.50. Updated and greatly expanded listing of information contained in 6th edition of **DICTIONARY OF THE FLOWERING PLANTS AND FERNS** by J. C. Willis.

ENCYCLOPEDIA OF ANIMALS—Jan Hanzak, Zdenek Veselovsky and David Stephen—St Martin, 1974, 472 p., 16 color plates, illus., \$12.95. Zoologists' up-to-date, simply worded, well-illustrated information on the 19 orders of mammals, in groupings complying with the most modern classification.

THE ENCYCLOPEDIA OF PHYSICS—Robert M. Besançon, Ed.—Van Nos Reinhold, 1974, 2nd ed., 1,082 p., 330 illus., \$37.50. Updated and expanded edition, provides 344 condensed, authoritative signed articles on the essential topics of physics, from theoretical treatment of "aberrations" to discussion of "Zeeman and Stark effects."

GENETICS AND SOCIAL STRUCTURE: Mathematical structuralism in Population Genetics and Social Theory—Paul Ballouff, Ed.—DH&R, 1974, 504 p., diagrams, tables, \$22. Benchmark papers highlight a century of anthropological and sociological effort to describe kin-based systems of social relatedness, and the reviving tradition of mathematical population genetics.

GEOLOGY AND PALAEOLOGY OF SOUTH-EAST ASIA, Vol. 13—Teiichi Kobayashi and Ryuzo Toryama, Eds.—U of Tokyo Pr (Int School Bk Serv), 1974, 226 p., 21 plates, maps, tables, \$36. Among other topics, papers deal with Silurian-Devonian conodonts, Tertiary foraminifers and mollusks, and the geological structure of Indonesia.

THE HISTORY OF QUANTUM THEORY—Friedrich Hund, transl. from German by Gordon Reece—B&N, 1974, 260 p., photograph, diagrams, \$20. Aimed at historians of science, scientists and the general reader, book seeks to provide a better understanding of quantum theory through the study of its development.

THE HYDROPHOBIC EFFECT: Formation of Micelles and Biological Membranes—Charles Tanford—Wiley-Interscience, 1973, 208 p., electron micrographs, diagrams, tables, \$12.50. Comprehensive account of the subject, from the meager solubility of hydrocarbons in water, to the yet only partially understood membrane structure.

LECTURES ON THE PHENOMENA OF LIFE COMMON TO ANIMALS AND PLANTS—Claude Bernard, transl. from French—C C Thomas, 1974, 323 p., illus., \$12.95. In these nine lectures, originally published in the 1870's, the eminent physiologist summarizes the whole of his doctrines in a coordinated program of general physiology.

MALE HOMOSEXUALS: Their Problems and Adaptations—Martin S. Weinberg and Colin J. Williams—Oxford U Pr, 1974, 326 p., plates, tables, \$10.95. Ethnographers' cross-cultural

study, aimed primarily at examining sociological and social psychological aspects of homosexual adaptations.

NEW CONCEPTS IN AIR POLLUTION RESEARCH: Interdisciplinary Contributions by an International Group of 20 Young Scientists—Jan-Olaf Willums, Ed.—Halsted Pr, 1974, 184 p., illus., paper, \$11.95. Ideas and research results presented deal in depth with such topics as damage to works of art, and dynamic control of emissions.

NOISE: The Unwanted Sounds—David M. Lipscomb—Nelson-Hall, 1974, 334 p., diagrams, \$15. Authoritative review of the subject, explains to the layman the properties of sound, the health hazards of intense and prolonged sound, and the technology of sound reduction.

OPPORTUNISTIC PATHOGENS—James E. Prier and Herman Friedman, Eds.—Univ Park, 1974, 320 p., illus., tables, \$14.50. Articles review the current knowledge on etiology, identification and control of the proliferating variety of pathogens, the cause of superinfection in hospitalized patients.

OUTDOOR RECREATION AND WATER RESOURCES PLANNING—Jack L. Knetsch—Am Geophysical Union, 1974, 132 p., paper, \$3.50. Monograph summaries advances in techniques and procedures for quantitatively determining recreational demands and estimating recreation values.

SCIENTISTS AND PUBLIC AFFAIRS—Albert H. Teich, Ed.—MIT Pr, 1974, 326 p., \$14.95. Collection of original papers with comments, on topics ranging from analysis of private government and professional science, to the politics of cybernetics in the Soviet Union.

SCIENTISTS IN THE LEGAL SYSTEM: Tolerated Meddlers or Essential Contributors?—William A. Thomas, Ed.—Ann Arbor Sci Pubs, 1974, 150 p., \$14.50. Examines how scientists can help courts, legislatures, agencies and citizens groups to reach sound decisions and serve society better.

THE SEABIRDS OF BRITAIN AND IRELAND—Stanley Cramp, W. R. P. Bourne and David Saunders—Taplinger, 1974, 287 p., color plates, drawings, maps, tables, \$14.95. Surveys the biology and life history of each of 24 species of seabirds, from the Common Herring Gull to the rare Leach's Storm Petrel.

SOLAR ENERGY: Technology and Applications—J. Richard Williams—Ann Arbor Sci Pub, 1974, 140 p., illus., \$9.95; paper, \$6.95. Comprehensive review of the production-practicability of solar collectors, heating of buildings, power generation, solar stills, and ocean thermal power.

TOPSOIL AND CIVILIZATION—Vernon Gill Carter and Tom Dale—U of Okla Pr, 1974, rev. ed., 308 p., photographs, maps, \$7.95; paper, \$2.95. A summary of conclusions and interpretations of history, from Nile Valley, Mesopotamia, the Middle East, North Africa, to Western Europe, and the United States.

VENOM DISEASES—Sherman A. Minton Jr., M.D.—C C Thomas, 1974, 235 p., photographs, tables, \$11.75. Presents the biologic basis of systemic disorders caused by the bites and stings of marine invertebrates, insects, fish, mammals and snakes.

WOMEN IN THERAPY: New Psychotherapies for a Changing Society—Violet Franks and Vasanti Burtle, Eds.—Brunner-Mazel, 1974, 454 p., \$15. Original articles deal with historical overview, biological and cultural influences, management of special syndromes in women, and contemporary psychotherapies.