

books OF THE WEEK

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AMERICAN ENTOMOLOGISTS—Arnold Mallis—Rutgers Univ. Press, 1971, 549 p., photographs, \$15. Biographical sketches of 203 North American entomologists, arranged in groups, such as pioneers, early state and federal, early Canadians, notable teachers, noted for their work on certain orders of insects, and those of diverse interests.

ANIMALS OF THE ARCTIC: The Ecology of the Far North—Bernard Stonehouse—Holt, 1971, 172 p., 200 color photographs, charts, maps, \$10.95. Profusely illustrated, the book deals with polar and subpolar plants and animals, the changing climate, the sea bed fauna, sea birds, and the tundra challenged by man.

BEEES: Their Vision, Chemical Senses and Language—Karl von Frisch—Cornell Univ. Press, 1971, rev. ed., 157 p., photographs, drawings, \$7.50. Incorporates the new discoveries, with references, into a highly readable, small volume designed to show the layman what sorts of problems are at issue and how they may be solved.

BIOLOGICAL ASPECTS OF RADIATION PROTECTION: Proceedings of International Symposium, Kyoto, 1969—Tsutomu Sugahara, M.D. and Otto Hug, M.D., Eds.—Springer Verlag, 1971, 273 p., illus., \$18.90. Papers and discussions cover hematological and cytogenetic effects of radiation, chemical protection in mammals, fundamentals of radiation protection and recovery, and comparative individual radiosensitivity and its cellular explanation.

BODY TIME: Physiological Rhythms and Social Stress—Gay Gaer Luce—Pantheon Bks., 1971, 394 p., diagrams, \$6.95. Discusses the many aspects of fluctuations, cycles, rhythms, and periodic changes in body responses, in health and in sickness.

CANCER CHEMOTHERAPY—F. Elkerbout P. Thomas and A. Zwaveling, Eds.—Williams & Wilkins, 1971, 410 p., diagrams, \$17.25. Deals with kinetics, pharmacology, clinical trials, chemotherapy in solid tumors, combined therapy, chemotherapy in hemato-oncology, immunosuppression, and additive therapy in cancer treatment.

CHILDREARING PSYCHOLOGY—Frank Wesley—Behavioral Pubns., 1971, 243 p., diagrams, \$8.95; paper, \$4.95. Summarizes research findings psychologists have uncovered during the last 50 years in studies of reading, learning, mental development, IQ, behavioral habits and their modification.

CLEANING AND PRESERVING MINERALS—Richard M. Pearl—Maxwell Pub. Co., Colo., 1971, 80 p., paper, \$2.75. Tells mineral collectors how to deal with each aspect of specimen care—the cause, prevention and removal of dust, soot, rust, clay, tarnish and oxidation, as well as the effects of deliquescence, efflorescence, temperature changes and light.

COLD AGAINST DISEASE—Lucy Kavalier—Day, 1971, 158 p., illus. by Andrew Antal, \$6.50. Summarizes in popular terms findings about the beneficial effects of cold on physiological processes.

THE CONTINENT IN OUR HANDS—Charlton Ogburn—Morrow, 1971, 314 p., map, \$7.95. Takes the reader on a 9,600-mile trip across North America paying close attention to the continent's multifarious phy-

siography, seen through the eyes of a part-time geologist, botanist and historian.

ECOLOGY: Science of Survival—Laurence Pringle—Macmillan, 1971, 152 p., photographs, diagrams, \$4.95. Concise outline of the basic patterns of nature's complex relationships.

ENCOUNTERING THE ENVIRONMENT: Articles from *Natural History*—Alfred Meyer, Ed.—Van Nostrand, 1971, 212 p., illus., paper, \$3.50. Each essay deals with one or more aspects of the conditions that have precipitated the present concern for the environment.

ENVIRONMENT AND SOCIETY IN TRANSITION (Scientific Developments, Social Consequences, Policy Implications)—Peter Albertson and Margery Barnett, Eds.—N.Y. Acad. of Sciences, 1971, 699 p., paper, \$30. Papers, work-group discussions and proposals on a wide range of interdisciplinary examinations concerning outer space, atmosphere and subsurface, medical, physical and policy sciences, as well as decision processes.

EVERGLADES—Patricia Caulfield and others—Sierra Club/Ballantine Bks., 1971, 142 p., photographs in color, map, paper, \$3.95. Beautifully presented wildlife of the swampy wilderness that forms southwest Florida's ecosystem.

THE EVERGLADES TODAY: Endangered Wilderness—George X. Sand—Four Winds Press, 1971, 191 p., photographs, maps, \$5.95. A readable discussion of man's threat to the land, and to the plants and creatures that inhabit it.

THE FACE OF THE DEEP—Bruce C. Heezen and Charles D. Hollister—Oxford Univ. Press, 1971, 659 p., color plates, 600 photographs, drawings, maps, \$25. An illustrated natural history of the visible abyss with scientific interpretation of the features recorded by remote deep-sea photography. The researchers' non-technical language makes it fascinating reading for the interested layman.

THE FARTHER REACHES OF HUMAN NATURE—Abraham H. Maslow—Viking Press, 1971, 423 p., \$12.50. Collection of articles by the late humanist-psychologist on such topics as health and pathology, creativeness, values, society, transcendence, and metamotivation.

FUNDAMENTALS OF ORNITHOLOGY—Josselyn Van Tyne and Andrew J. Berger—Dover, 1971, 624 p., photographs, drawings, paper, \$5. Updated reprint (1959) of graduate text covering systematically all the subjects essential to bird study; also a quick reference to the classification of world birds by families.

FUTURE DEVELOPMENTS IN TELECOMMUNICATIONS—James Martin—Prentice-Hall, 1971, 413 p., photographs, diagrams, \$14. Written for technical as well as nontechnical audience, the book deals with the technology and potential impact on the human condition of the inventions in telecommunication, ranging from helical waveguide, laser, and picturephone, to computerized switching, and data banks.

THE FUTURE OF THE UNITED STATES GOVERNMENT: Toward the Year 2000—Harvey S. Perloff, Ed.; preface by Daniel Bell—Braziller, 1971, 388 p., \$7.95. Essays with discussion outline the future consequences of present public policy decisions, anticipate future problems, and consider alternative solutions.

GENES, DREAMS AND REALITIES—Sir Mcfarlane Burnet—Basic Bks., 1971, 232 p., illus., \$7.95. Nobelist's popularly written, critical account of how in the light of current research and opinion the future technical patterns of preventive and curative medicine may develop; the author soberly evaluates advances in molecular biology, cellular ma-

nipulations, genetic disease, cancer, aging and the population problem.

HUMAN ASPECTS OF BIOMEDICAL INNOVATION—Everett Mendelsohn, Judith P. Swazey and Irene Taviss, Eds.—Harvard Univ. Press, 1971, 234 p., \$9.95. Examines the ethics of clinical research and the dilemmas of resource allocation in the biomedical area, modes of social and of legislative controls, and the effect of new technologies on the practice of medicine.

IN PURSUIT OF RELEVANCE—Herbert J. Muller—Indiana Univ. Press, 1971, 306 p., \$10. Examines the relevance of the study of the humanities to the urgent problems of today's technological society, ethics in politics, and the nature of liberalism.

MAKENS' GUIDE TO U.S. CANOE TRAILS—James C. Makens—Le Voyageur Pub. Co., 1971, 86 p., paper, \$4.95. Describes some 900 trails for boating, covering each state of the continental U.S.; includes bibliography.

MANIC 5: The Building of the Daniel Johnson Dam—Lili Réthi and William W. Jacobus, Jr.—Doubleday, 1971, 165 p., 64 drawings by L. Rethi, \$9.95. Describes the organization of a monumental engineering feat that involved 3,500 Canadian workers, and conveys the excitement of construction, dramatically documented in the drawings.

MEXICO: An Extraordinary Guide—Lorraine Carlson—Rand McNally, 1971, 416 p., maps by Neil Carlson, \$9.95. Informative and up-to-date guide, based on long years of personal experience, describes in detail, region by region, the wide variety of natural, historical, archaeological and artistic sights, together with practical tourist information.

MODERN AIRMANSHIP—Neil D. Van Sickle, Ed.—Van Nostrand, 1971, 4th ed., 909 p., illus., \$15.95. Incorporating new advances, this comprehensive reference covers the theory, practice and techniques of flying, from basic aerodynamics, airplane structures and instruments to navigation, soaring, and northern wilderness flying.

PICTORIAL HANDBOOK OF TECHNICAL DEVICES—Paul Grafstein and Otto B. Schwartz—Chemical Pub. Co., 1971, 607 p., illus., \$12.50. From springs, friction gearing, motion devices, holders and grips, to lenses, valves and gages, the book shows some 5,000 detailed designs of parts and devices used in constructing mechanical movement and assembled objects.

POLLUTION, PROFITS AND PROGRESS—Henry A. Schroeder, M.D.—Stephen Greene Press, 1971, 137 p., \$4.95. The author, an authority on the biological effects of trace elements, discusses scientific units of minerals, some of their known contributions to optimal health, levels of toxicity, and related issues.

PREPARATIVE GAS CHROMATOGRAPHY—Albert Zlatkis and Victor Pretorius, Eds.—Wiley-Interscience, 1971, 402 p., illus., \$18. Comprehensive treatment of the subject, from basic theory, inlet and outlet systems, column technology, through temperature and flow programming, applications in flavor research and biochemistry, to continuous chromatographic techniques.

PUBLIC AFFAIRS—C. P. Snow—Scribner, 1971, 224 p., \$6.95. More reflections on the two cultures, science and government, and the moral un-neutrality of science.

RADIOACTIVITY IN THE MARINE ENVIRONMENT—Allyn H. Seymour, Panel Chmn., Committee on Oceanography, NRC—NAS, 1971, 272 p., illus., \$12.50. Comprehensive review of the results of research covering the field from sources of radioactivity and their characteristics, marine chemistry, ecological interactions, to evaluation of human radiation exposure.