

books OF THE WEEK

ABOVE AND BELOW: A Journey Through Our National Underwater Parks—Helga Sandburg and George Crile, Jr.—McGraw-Hill, 1970, 302 p., \$7.95. Highly readable account, acquaints the reader with the marine environment, and the land and sea animals in and around the Everglades, the Virgin Islands, Anacapa off the coast of California and the coral reefs off Saint Croix.

ADVANCES IN ENVIRONMENTAL SCIENCES, Vol. 1—James N. Pitts, Jr. and Robert L. Metcalf, Eds.—Wiley-Interscience, 1969, 356 p., illus., \$15.95. Deals with the application of science and technology to the control and improvement of environmental quality, in specific areas such as oxides of nitrogen, biodegradable detergents, and aeroallergens and public health.

THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC for the Year 1971—Nautical Almanac Office, U.S. Naval Observatory—GPO, 1969, 520 p., diagrams, \$6.25. Source of basic calculations and data, principal ephemerides, configurations of satellites, eclipses, sunset and twilight time, moonset, observatories, and other tabulations.

AMERICAN INDIAN MEDICINE—Virgil J. Vogel—Univ. of Okla. Press, 1970, 583 p., illus., \$12.50. Comprehensive account of the effect of Indian medicinal practices on white civilization, discusses Indian theories of disease and methods of combating disease, and lists Indian drugs that won acceptance in the U.S. Pharmacopeia and the National Formulary.

THE ARCHAEOLOGY OF THE NEW TESTAMENT: The Life of Jesus and the Beginning of the Early Church—Jack Finegan—Princeton Univ. Press, 1970, 273 p., photographs, maps, \$20. Presenting the tangible things, inscriptions, objects, tombs, architectural remains, the book investigates sites connected with John the Baptist, Bethlehem and Nazareth, Caesarea, Jericho, the Mount of Olives, and Jerusalem.

THE ART AND SCIENCE OF TAKING TO THE WOODS—C. B. Colby and Bradford Angier—Stackpole Bks., 1970, 288 p., illus. by Arthur J. Anderson, \$7.95. Covers outdoor living and camping, on foot or on wheels, tells about basic skills, shortcuts and advanced techniques.

BIOLOGICAL ASPECTS OF THERMAL POLLUTION—Peter A. Krenkel and Frank L. Parker, Eds.—Vanderbilt Univ. Press, 1969, 407 p., illus., \$7.95. Symposium papers and discussion of the magnitude of the problem, the effects of heated discharges on marine zooplankton and estuarine benthos, thermal requirement of freshwater fishes and other aquatic life.

BRAIN AND BEHAVIOUR, Vol. 1: Mood, States and Mind. Vol. 2: Perception and Action—K. H. Pribram, Ed.—Penguin Bks., 1969, 496 p., 475 p., plates, illus., paper, \$2.95 each. Readings on basic neuropsychological research, work on sleep, alertness and mood, and on physiological determinants of drive states.

Vol. 2 deals with neural events involved in perception and cognition, and motor function of the nervous system.

CHEMOTHERAPY OF CANCER—Warren H. Cole, M.D., Ed.—Lea & Febiger, 1970, 349 p., photographs, diagrams, \$12.50. Summarizes contemporary improved methods of therapy with anticancer drugs, indications, contraindications, and methods of administration—perfusion, infusion, and in combination with radiotherapy and surgery.

DICTIONARY OF FUEL TECHNOLOGY—Alan Gilpin—Philosophical Lib., 1969, 275 p., diagrams, \$20. Broad treatment, intended to be of value to fuel technologists, chemical engineers, air pollution control engineers and others.

THE DIRECTION OF HUMAN DEVELOPMENT—Ashley Montagu—Hawthorn Bks., 1970, rev. ed., 406 p., \$7.95. Anthropologist explores the nature of human nature, the evolutionary pressures that caused man to develop as a highly interdependent and cooperative creature; shows how innumerable investigations have substantiated the fact that interference with the infant's development as a loved and loving creature will damage his subsequent behavioral development.

THE DIVORCED MOTHER: A Guide to Readjustment—Carol Mindey—McGraw-Hill, 1970, 268 p., \$6.95. Intelligent assessment of the problems confronting the divorced mother—legal, financial, psychological and practical, with sound advice for working out satisfactory human relationships for the children and herself.

THE ENCYCLOPEDIA OF THE BIOLOGICAL SCIENCES—Peter Gray, Ed.—Van Nostrand Reinhold, 1970, 2nd ed., 1027 p., illus., \$24.95. Authoritative, encyclopedic work, incorporates latest research in articles ranging from "abiogenesis" to "zosterophyllophytina." A number of new topics, such as anthozoa, anura, cnidaria, neurophysiology, phytochromes and scyphozoa, have been added.

ENGINEERING ASPECTS OF THERMAL POLLUTION: Proceedings of 1968 National Symposium on Thermal Pollution—Frank L. Parker and Peter A. Krenkel, Eds.—Vanderbilt Univ. Press, 1969, 351 p., illus., \$7.95. Discusses ecological changes induced by heated waters, water quality standards, condenser-water discharge, cooling tower design, and research needs.

GAMES ANALYSTS PLAY—Martin Shepard, M.D., and Marjorie Lee—Putnam, 1970, 189 p., \$5.95. Analyst analyzes analysts' techniques and attitudes, describes sample conversations between therapist and patients, and points out the importance of successful patient-therapist rapport.

GENETIC EPISTEMOLOGY—Jean Piaget, transl. from French by Eleanor Duckworth—Columbia Univ. Press, 1970, 84 p., \$5. Swiss experimental psychologist explains the principles of genetic epistemology and discusses how a child's coordination of actions leads to their becoming mental operations and later logical concepts.

GRAVITATION AND THE UNIVERSE—Robert H. Dicke—Am. Philosophical Soc., 1970, 82 p., illus., \$2.50. In these Jayne Lectures for 1969, the author presents to a general audience the results of his intensive and extremely accurate tests of general relativity.

THE GREAT WEAPONS HERESY—Thomas W. Wilson, Jr.—Houghton, 1970, 275 p., \$5.95. Annotated reexamination and interpretation of J. Robert Oppenheimer's role as creator and critic of U.S. strategy decisions in atomic weapons development, with reflections on the current controversy.

A GUIDE TO SUPERCONDUCTIVITY—David Fishlock, Ed.—Am. Elsevier Pub. Co., 1970, 150 p., illus., \$7. Eight researchers offers their views on the progress and prospects for superconductivity in such fields as large magnets, rotating machines, transmission equipment, computers and electronic engineering.

HOW TO KNOW POLLEN AND SPORES—Ronald O. Kapp—Brown, 1969, 249 p., 500 drawings, paper, spiral-bound, \$3.25. A pictured-key, general guide to the identification of genera and families. Includes bibliography and describes laboratory techniques for preparation of modern pollen samples as well as fossil sediments.

IN QUEST OF QUASARS: An Introduction to Stars and Star-like Objects—Ben Bova—Crowell-Collier, 1970, 198 p., illus., \$5.95. A layman's introduction to what has become known about the quasi-stellar objects that eject extraordinary amounts of radio energy into the universe.

INGREDIENT X: The Production of Effective Drugs—Louis C. Schroeter—Pergamon Press, 1969, 157 p., illus., \$7.75. Tells about some of the challenging aspects of pharmaceutical research and product development.

MARTY MANN Answers Your Questions About Drinking and Alcoholism—Marty Mann—Holt, 1970, 112 p., \$3.95. Dealing with alcoholism as a dread disease that afflicts 6.5 million Americans today, the book answers questions about the alcoholic, his family and his treatment, factually and thoroughly.

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SCIENCE EXPLORING FOR BOYS ages 11-15 at SPRUCE MOUNTAIN CAMP, Bryant Pond, Maine. Field, mountain, canoe trips, ham radio, photography, plants, animals, astronomy, weather, geology, ecology. Mt. Katahdin outpost camp. Exciting concept of science recreation. Staff inquiries invited. Catalog: William T. Hart, 12 Highland St., West Medway, Mass. 02053.

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