

books OF THE WEEK

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ACHIEVEMENT-RELATED MOTIVES IN CHILDREN—Charles P. Smith, Ed.—Russell Sage, 1969, 263 p., diagrams, \$8.75. Studies of personality factors in children as they enter into competition with others, their sensitivity to evaluation by others, independence training and apprehension about failure.

AMERICA NOW—John G. Kirk, Ed., foreword by John W. Kluge—Atheneum, 1969, 357 p., \$7.50. An inquiry into topics of pressing concern to modern Americans, such topics as government and foreign policy, the economy, public taste and culture, the American society and the individual.

BIOCHEMICAL PREDESTINATION—Dean H. Kenyon, foreword by Melvin Calvin—McGraw-Hill, 1969, 301 p., illus., \$12.50. Written from the point of view of two young organic and biophysical scientists, the book offers a systematic discussion of the problem of the origin of life on earth in chemical and molecular terms.

BIOGRAPHICAL MEMOIRS, Vol. XL—National Academy of Sciences—Columbia Univ. Press, 1969, 354 p., photographs, \$6. Biographies of recently deceased members, including the centenarian, E. T. Allen, pioneer in the field of geochemistry, and Leo Szilard, written up by Eugene P. Wigner.

THE BIOLOGY OF DEGENERATIVE JOINT DISEASE—Leon Sokoloff—Univ. of Chicago Press, 1969, 162 p., illus., \$6.50. Systematic treatise on the pathogenesis of degenerative joint disease, as examined from various aspects—history, morphology, pathology, comparative pathology, biochemistry, repair, and biomechanics.

THE BLUE RIDGE PARKWAY—Harley E. Jolley—Univ. of Tenn. Press, 1969, 172 p., photographs, maps, \$6.95; paper, \$2.95. A fully annotated history of the 469-mile scenic highway connecting Shenandoah Park with the Great Smoky Mountains, tells of the vision, labor, controversies, lobbying and politicking that went into the making of it.

BOATOWNER'S SHEET ANCHOR: A Practical Guide to Fitting Out, Upkeep and Alteration of the Small Wooden Yacht—Carl D. Lane—Funk & Wagnalls, 1969, 2nd rev. ed., 304 p., illus. by author, \$7.95. Brings together all manner of useful knowhow about the basics and maintenance of wooden craft, from interiors to riggings.

THE BOMB AND THE COMPUTER: Wargaming from Ancient Chinese Mapboard to Atomic Computer—Andrew Wilson—Delacorte Press, 1969, 218 p., \$5.95. Describes military planning techniques based on simulation, and critically appraises the limitations and pitfalls of war games used for research into new weapons systems and international relations.

CATALOGING U.S.A.—Paul S. Dunkin—Am. Lib. Assn., 1969, 159 p., \$5. Explains the purpose of cataloging, deals mainly with theory and principles, codes after Cutter, descriptive cataloging and call numbers.

CHEMICAL AND BIOLOGICAL WARFARE: America's Hidden Arsenal—Seymour M. Hersh—Doubleday, 1969, 307 p., paper, \$1.45. Reprint (1968), of a comprehensive and documented survey of the U.S. role in the development of CBW weapons.

THE CHILD SAVERS: The Invention of Delinquency—Anthony M. Platt—Univ. of Chicago Press, 1969, 230 p., \$12. A study addressed to the origins, composition and achievements of those humanitarian reformers who, at the end of the 19th century, helped create special judicial and correctional institutions for the labeling, processing and management of "troublesome" youth.

CLEAR AIR TURBULENCE AND ITS DETECTION—Yih-Ho Pao and Arnold Goldberg, Eds.—Plenum Press, 1969, 542 p., illus., \$22.50. A comprehensive investigation of the origin, characteristics and methods for measurement of CAT, describes latest techniques for forecasting and remote detection, using radar echoes, infrared radiation and laser backscattering.

A COASTAL POND: Studied by Oceanographic Methods—K. O. Emery—Am. Elsevier Pub. Co., 1969, 80 p., illus., \$5.50. This low-cost study may serve as a model for investigating problems of oceanography by generalist-naturalist or in connection with oceanographic education, since some geological, chemical, biological and physical characteristics are nearly the same as in the ocean.

COME LET US PLAY GOD—Leroy Augenstein—Harper, 1969, 150 p., \$4.95. Considers the moral questions that are raised by such achievements of science and technology as banks for body parts, mind manipulators, chemical emotions and similar possibilities.

CONGRESS AND URBAN PROBLEMS—Frederic N. Cleveland and associates—Brookings Inst., 1969, 405 p., paper, \$2.95. A casebook on the legislative process; seven legislative studies suggest the range of problems with which Congress must cope, and the structural changes needed to give greater focus on urban affairs as a policy field.

THE DEAD SEA SCROLLS, 1947-1969—Edmund Wilson—Oxford Univ. Press, 1969, 320 p., \$6.50. Incorporates revised text of 1955 edition with much new material on the polemics of the clerical world, newly found manuscripts, the deciphered Aramaic version of Genesis, and impressions of the Middle East today.

DIRECTORY OF SOCIAL AND HEALTH AGENCIES OF NEW YORK CITY, 1969-1970—Community Council of Greater New York—Columbia Univ. Press, 1969, 839 p., \$15; until 9/15/69, \$12.50. Brief information about voluntary and public welfare and health agencies classified according to function and listed alphabetically.

THE DYNAMICS OF CANADIAN ARCTIC FOX POPULATIONS—A. H. Macpherson—Canadian Wildlife (Queen's Printer, Ottawa), 1969, 52 p., illus., paper, \$1. A study of the causes of periodic fox population fluctuations in Northwest Territories, from 1958 to 1963.

ESKIMO PREHISTORY—Hans-Georg Bandi, transl. from German by Ann E. Keep—Univ. of Alaska Press (Univ. of Wash. Press), 1969, 226 p., illus., \$6.50. A study of Arctic archaeology, surveys the sites and evaluates the discoveries and research done over an area stretching from the eastern tip of Siberia through Alaska and Arctic Canada to Greenland.

FILMS ON OCEANOGRAPHY—R. P. Cuzon du Rest, National Oceanographic Data Center—GPO, 1969, 100 p., illus., paper, \$1. Describes and gives sources of 16mm films on general oceanography, marine biology, chemistry, engineering, geology and physics.

GERONTOLOGIC METABOLISM—Alberto M. Bertolini, M.D., transl. from Italian by Victor de Sabata, M.D.—Thomas, C.C., 1969, 697 p., illus., \$32.50. Treatise analyzes, summarizes and correlates in one volume the results of research on the biochemistry of senescence published in the world literature.

IDEOLOGY IN AMERICA: Change and Response in a City, a Suburb, and a Small Town—Everett Carl Ladd, Jr.—Cornell Univ. Press, 1969, 378 p., tables, \$11.50. Examines the rapidly changing character of American society in the 1960's and the response to that change in the political thinking of three different communities in Connecticut.

MISSION TO THE MOON: A Critical Examination of NASA and the Space Program—Erlend A. Kennan and Edmund H. Harvey, Jr.; introd. by Ralph E. Lapp—Morrow, 1969, 396 p., illus., \$7.95. A carefully documented hard look at the Apollo program, at some of the short-cuts taken, with detailed account of the Apollo 204 fire, and other aspects of the program.

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films OF THE WEEK

Listing is for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor.

MAMMALS OF AFRICA AND INDIA. 16mm, color, sound, 11 min. Film has been designed to accomplish three functions. First, it provides basic information concerning three families of large mammals that have survived since prehistoric time. Second, it is a lesson in scientific observation. The viewer is directed to look for likeness and differences that help identify particular species within a family. Third, the viewer is introduced to a vocabulary used by scientists when discussing mammals, their characteristics and behavior. Animals observed are elephants, rhinoceroses and hippos. Audience: elementary. Purchase \$120 from Walt Disney 16mm Films, 800 Sonoma Ave., Glendale, Calif. 91201.

MIGRAINE. 16mm, b&w, sound, 20 min. Unless you are afflicted with it, it is impossible to comprehend the extreme and excruciating pain that accompanies an attack of migraine. The medical profession reports no known cause and no known cure, but extensive research is seeking new understanding and treatment. One theory speculates that a lack of blood supply to one side of the brain may cause the spasm which is often the symptom of a headache. Audience: general. Purchase \$200 or rental \$20 from Peter M. Roebbeck and Co., 230 Park Ave., New York, N.Y. 10017.

TOMORROW'S WORLD: MAN AND THE SEA. 16mm, color, sound, 52 min. Illustrates current research in oceanography and suggests some of the ramifications of this research. Viewers are taken aboard a number of research vessels for a look at research activities, including discussions with scientists active in charting the ocean floors, collecting geological and biological samples and prospecting for minerals on the continental shelf. Discusses the potential of the sea as a source of food, fresh water and industrial chemicals. Audience: grades 6 to 12, adult. Purchase \$600 or rental \$35 from McGraw-Hill Films, Dept. DF, 330 West 42nd St., New York, N.Y. 10036. (Produced by NBC News).

X-RAY SPECTROSCOPY—THE INSIDE STORY. 16mm, color, sound, 26 min. Dr. Robert J. Liefeld, New Mexico University, explains to a group of high school students how and why he uses the spectroscopy to study X-ray beams. He describes how specially grown crystals are used in a crystal X-ray spectrometer to diffract an X-ray beam, isolate a single wavelength, scan the spectrum and record its characteristics. Audience: general. Free loan from NASA field libraries, or loan information from National Aeronautics and Space Administration Headquarters, Code FAD-2, Washington, D.C. 20546.



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