

# books OF THE WEEK

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**ATLAS OF PLANT LIFE**—Herbert Edlin—John Day, 1973, 128 p., illus. by David Nockels and Henry Barnett, maps, \$10. Presents a continent-by-continent review of the world's wild and cultivated plants, their distribution shown in color relief maps. Man-made plant migrations are on separate maps.

**BIOLOGICAL AND ENVIRONMENTAL DETERMINANTS OF EARLY DEVELOPMENT**—John I. Nurnberger, M.D., Ed.—Williams & Wilkins, 1973, 457 p., photographs, diagrams, tables, \$31.50. Papers focus on new developments in the analysis of normal biological, social and cultural developmental processes, and on destructive aspects of internal and external environment which, corrected, might prevent serious developmental defects. Fully indexed.

**THE COMING DARK AGE**—Roberto Vacca, transl. from Italian by J. S. Whale—Doubleday, 1973, 221 p., \$6.95. Computer and systems expert makes certain assumptions and deduces their logical consequences in detail to show realistically the imminent dangers of technological systems that reach critical dimensions of instability.

**DAILY LIFE IN PEOPLE'S CHINA**—Arthur W. Galston with Jean S. Savage—T Y Crowell, 1973, 255 p., 125 photographs by author, \$6.95. A first-hand account by a Yale professor who went to live with his wife and daughter for several weeks in a Chinese commune, visited schools, hospitals, factories and universities.

**FAMILY MEDICAL GUIDE**—Donald G. Cooley, Ed.; Paul Zuckerman, Art Dir.—Better Homes & Garden Bks (Meredith), 1973, 2nd rev. ed., 1,088 p., 900 illus. in color, \$15.95. Written by physicians and specialists to give the layman an understanding of body structure and processes of health and disease, includes thumb-tabbed first-aid section and illustrated encyclopedia of medical terms.

**FREEDOM OF OCEANIC RESEARCH: A Study Conducted by the Center for Marine Affairs of the Scripps Institution of Oceanography**—Warren S. Wooster, Ed.—Crane-Russak, 1973, 255 p., \$14. Papers and discussions on the nature of present restrictions, the scientist's requirement of access, legal framework, institutional arrangements, and consequences of regulating oceanic research.

**HOUSE PLANT IDENTIFIER**—Helmut Bechtel—Sterling, 1973, 256 p., 238 color photographs by author, drawings, \$3.50. A pocket guide of full-page photographs with description of plant, its natural environment, and specific instructions on care.

**THE ILLUSTRATED HISTORY OF MAGIC**—Milbourne Christopher, T Y Crowell, 1973, 452 p., photographs, illus., \$14.95. The author, a magician himself, presents a fully illustrated history of famous conjurers and their tricks, from early sleight-of-hand performers, through the semi-mechanical trick shows to the world-famous 19th and early 20th century stage magicians, and today's TV illusionists.

**THE JOYS AND SORROWS OF PARENTHOOD**—Formulated by the Committee on Public Education, Group for the Advancement of Psychiatry—Scribner, 1973, 159 p., \$5.95. Not a report on scholarly research, but observations which the prestigious GAP considers to be useful and practical answers to questions about a healthy parent-child relationship.

**LIFE ALONG THE SAN ANDREAS FAULT**—John J. Fried—Sat Rev Pr, 1973, 269 p., photographs, \$7.95. Tells the layman what science has found out about earthquakes in general and along the San Andreas Fault in particular, how land politics and building codes fail to protect the people living in the high-seismic risk zone, and how it affects people psychologically.

**MAN AGAINST TSETSE: Struggle for Africa**—John J. McKelvey Jr.—Cornell U Pr, 1973, 306 p., photographs, drawings, maps, \$12.50. Fully documented epic tale of the struggle of science and men in Africa to identify and protect against the source of sleeping sickness in man and nagana in livestock, the diseases transmitted by various species of the tsetse fly.

**MAN COMES TO AMERICA**—Harold Coy—Little, 1973, 150 p., drawings by Leslie Morrill, \$5.95. Describes for the layman the issues involved in the controversial theories about man's migration to the American continent.

**MAN THE MUSICIAN: Sound and Symbol, Vol. 2**—Victor Zuckerkandl, transl. from German by Norbert Guterman—Princeton U Pr, 1973, 370 p., illus., \$15. Monograph concerned with man's inborn musicality. Treats such concepts as audible Gestalt, the musical ear, hearing dynamics, tone qualities, illustrating points with examples from classical compositions.

**THE MATHEMATICS OF COLLECTIVE ACTION**—James Coleman—Aldine, 1973, 200 p., diagrams, tables, \$9.75. Regarding social action as the resultant of causal forces, the book reviews recent work in the stochastic processes, and develops a mathematical framework for the study of systems of social action using a purposive theoretical base.

**MENTAL ILLNESS AND THE ECONOMY**—M. Harvey Brenner—Harvard U Pr, 1973, 287 p., tables, \$14. (See SN: 11/10/73, p. 296).

**THE MINERAL POSITION OF THE UNITED STATES, 1975-2000**—Eugene N. Cameron, Ed., introd. by Elbert F. Osborn—U of Wis Pr, 1973, 159 p., diagrams, tables, \$10; paper, \$1.50. Papers present review of the national mineral position for the geological profession, and provide capsule summary projecting America's position for the remaining years of this century.

**MONOTREMES AND MARSUPIALS: A Reference for Zoological Institutions**—Larry R. Collins—Smithsonian Inst. Pr (GPO), 1973, 323 p., photographs, paper, \$4.20. Discusses the effective exhibition of small mammals and the ordinal group's history in captivity. Gives full descriptions of living familial groups, their distribution, biology, enclosure specifications and diets.

**MYTHS AND LEGENDS OF AUSTRALIA**—A. W. Reed—Taplinger, 1973, 256 p., illus. by Roger Hart, \$6.50. Tales of the Australian aborigines in which they explain the origin of the world, the behavior of the elements, and animal traits.

**NONTRADITIONAL CAREERS FOR WOMEN**—Sarah Splaver—Messner, 1973, 223 p., \$5.95. Covers more than 500 nontraditional occupations which offer employment opportunities for women in law, medicine, mathematics and science, teaching, engineering, communication, business, manual trades, and government.

**THE PERSECUTED DRUG: The Story of DMSO**—Pat McGrady, Sr.—Doubleday, 1973, 372 p., \$7.95. The story of the experimental drug *dimethyl sulfoxide*, of the credentials and challenges, the claims and the controversy concerning its efficacy.

**THE PHYSICIAN'S CREED: An Anthology of Medical Prayers, Oaths, and Codes of Ethics Written and Recited by Medical Practitioners Through the Ages**—M. B. Etzioni, M.D.—C C Thomas, 1973, 162 p., illus., \$7.50. Chronological presentation of formal statements of medical ethics.

**SCOTLAND YARD SCIENTIST: My Thirty Years in Forensic Science**—H. J. Walls, foreword by Keith Simpson—Taplinger, 1973, 208 p., photographs, \$6.95. A readable account, uses case histories to describe a life spent in the service of science for policemen.

**THE SEARCH FOR THE ETRUSCANS**—James Wellard—Sat Rev Pr, 1973, 223 p., color plates, photographs, drawings, \$14.95; \$16.95 after 1/1/74. Reconstructs for the layman what has been discovered about the Etruscan way of life, the finds of past explorations, city-states, religion and culture, and includes a modern traveller's guide to Etruscan places.

**SECURITY STANDARDS FOR DATA PROCESSING**—Susan Wooldridge, Colin R. Corder and Claude R. Johnson—Wiley, 1973, 186 p., \$14.95. An Anglo-American effort, incorporating the latest security techniques, to determine the existing risks and establish practical measures for the protection of computer installations.

**THE SHORE FISHES OF HAWAII: These Fishes Are Found Throughout the Pacific Ocean**—David Starr Jordan and Barton Warren Evermann—Tuttle, 1973, 392 p., 73 color plates, photographs, drawings, paper, \$8.50. Descriptive catalogue of Hawaiian fish fauna with index to native names. Abridgement in handbook form of classic study published by U.S. Fish Commission in 1903.

**SLEEP RESEARCH AND CLINICAL PRACTICE**—Gene Usdin, M.D., Ed.—Brunner/Mazel, 1973, 94 p., diagrams, tables, \$6. Reports on new developments in the basic mechanisms of sleep, clinical disorders of sleep, and recent advances in the diagnosis and treatment of sleep disorders.

**STRATEGY FOR EVALUATING HEALTH SERVICES, Vol. 2: Contrasts in Health Status**—David M. Kessner and Carolyn E. Kalk, Eds.—Institute of Medicine (NAS), 1973, 219 p., tables, paper, \$6. Develops "tracers" designed to analyze and relate differences in health status to social, economic, medical care and behavioral characteristics, and to compare the effects of various methods for delivery of services.

**THE STRESSED SKIN DESIGN OF STEEL BUILDINGS**—E. R. Bryan—Wiley, 1973, 170 p., photographs, diagrams, tables, \$13.50. Monograph gives full design treatment of the composite action between steel sheeting and single-story portal frame structures, and provides methods for calculating stiffness and strength.

**THREE ADVENTURES: Galápagos, Titi-caca, The Blue Holes**—Jacques-Yves Cousteau and Philippe Diolé, transl. from French by J. F. Bernard—Doubleday, 1973, 304 p., color plates, photographs, drawings, maps, \$9.95. Another lively tale about Calypso's oceanographers, underwater photographers and divers exploring marine iguanas, sea lions, archeological finds at lake bottom, and underwater stalactites.

**TINY LIVING THINGS**—Edouard Cauvin, introd. by Jean Rostand—Sterling, 1973, 104 p., photographs by author, \$3.50. Takes the reader on a journey of discovery viewing insects through the eye of a microscope.

**TO RULE THE NIGHT: The Discovery Voyage of Astronaut Jim Irwin**—James B. Irwin with William A. Emerson, Jr.—Holman (Lippincott), 1973, 251 p., photographs, \$6.95. A very personal autobiography of the Apollo 15 astronaut's background, education and military flight training. Describes in detail the moon landing and Rover buggy rides, feats that brought back to earth Genesis Rock and a ten-foot drilled core.

**UNDERSTANDING AND USING THE OSCILLOSCOPE**—Clayton Hallmark—TAB Bks, 1973, 272 p., photographs, diagrams, \$7.95; paper, \$4.95. Written for the electronics technician, explains the basic functioning of sweep circuits and oscilloscope circuitry, the use of setup calibration, scope versatility, and sophisticated techniques.