

# books OF THE WEEK

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge to Book Order Service, *Science News*, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

**THE EMERGENCE OF MAN**—John E. Pfeiffer—Harper, 1969, 477 p., 104 photographs, diagrams, 24 maps, \$10. Presents the gradually emerging clues in man's search for his beginnings, from primate origins, fossil clues and prehistory, as revealed by new discoveries in archaeology and primate behavior.

**ENVIRONMENT:** Mesa Verde, Colorado—James A. Erdman, Charles L. Douglas and John W. Marr—Nat'l Park Service (GPO), 1969, 72 p., photographs, graphs, \$3.50. Monograph provides data on environmental variations and their bearing on the prehistoric settlement pattern and land use of the area.

**ENVIRONMENTAL DESIGN**—Richard P. Dober—Van Nostrand, 1969, 278 p., photographs, sketches, \$18.50. Analyzes the essentials of human habitation, discusses design structure and new approaches, and examines what appeals to the senses as an appropriate place for man to live.

**HAMLET'S MILL: An Essay on Myth and the Frame of Time**—Giorgio de Santillana and Hertha von Dechend—Gambit, 1969, 505 p., illus., \$10. A scholarly inquiry into the origins of human knowledge, exploring the archaic, preliterate concept of the universe.

**A HERITAGE RESTORED: America's Wildlife Refuges**—Robert Murphy, foreword by Stewart L. Udall—Dutton, 1969, 128 p., photographs, maps, \$9.95. For young and old, the story of national wildlife refuges and conservation.

**LABORATORY CORRELATION MANUAL**—Alvin M. Ring, M.D.—Thomas, C. C., 1969, 142 p., \$8.50. Includes tabular listing of more than 350 laboratory tests, with clinical correlation, normal values and notes.

**LUMINESCENCE OF BIOPOLYMERS AND CELLS**—Grigori M. Barenboim, Aleksandr N. Domanskii and Konstantin K. Turoverov, transl. from Russian, Raymond F. Chen, Ed.—Plenum Press, 1969, 229 p., photographs, diagrams, \$12.50. Summary of the fundamental principles of fluorescence and phosphorescence research as applied to proteins, nucleic acids and their components, both in vitro and in vivo.

**THE MECHANISM OF MIND**—Edward de Bono—Simon & Schuster, 1969, 275 p., diagrams, \$5.95. Deals with the concept of the mind as a predictable working of a mechanical structure, and explores the physical basis of natural, logical, lateral and mathematical thinking.

**MEN IN CRISIS: A Study of a Mine Disaster**—Rex A. Lucas—Basic Bks., 1969, 335 p., \$10. Based on data of NAS-NRC study and interviews with miners, book describes the reactions of each miner from the moment of the cave-in to his

eventual rescue, with analysis of major findings.

**MODERN DICTIONARY OF SOCIOLOGY**—George A. Theodorson and Achilles G. Theodorson—Crowell, 1969, 489 p., \$10. Comprehensive dictionary explains concepts and terminology of sociology and closely related fields.

**THE NATIONAL SCIENCE FOUNDATION**—Dorothy Schaffter—Praeger, 1969, 278 p., photographs, \$7.95. From early history of U.S. Government relationships to science and scientists, the book describes how the NSF came to be in 1959, the legislative and bureaucratic processes involved in its decisions and activities, the projects grants system, and its relationship with other agencies.

**NEW DIRECTIONS IN BIBLICAL ARCHAEOLOGY**—David Noel Freedman and Jonas C. Greenfield, Eds.—Doubleday, 1969, 191 p., plates, \$6.95. Updated articles on results of research and reflections presented by participating scholars at Berkeley Symposium in 1966. Chronology, glossary and annotated bibliography included.

**THE PAST OF PASTIMES**—Vernon Bartlett—Archon Bks., 1969, 160 p., plates, \$6.25. A readable short history of most of the games with which people throughout history have occupied their hours of leisure.

**PREPARATION FOR THE STUDY OF MEDICINE**—Robert G. Page and Mary H. Littlemeyer, Eds.—Univ. of Chicago Press, 1969, 287 p., \$4.95. The edited proceedings of the 1967 Conference on the Optimal Preparation for the Study of Medicine, stressing changed patterns and innovations.

**RADIOTELESCOPES**—W. N. Christiansen and J. A. Hogbom—Cambridge Univ. Press, 1969, 231 p., plates, diagrams, \$14.50. Deals explicitly with the fundamental principles and design features of radiotelescopes, in particular the energy-converting devices of image-forming instruments.

**A SCIENCE DICTIONARY OF THE ANIMAL WORLD. A SCIENCE DICTIONARY OF THE PLANT WORLD**—Michael Chinery—Watts, F., 1969, 288 p., 264 p., illus. in color, diagrams, \$4.95 each. Two pictorial reference works for student and layman, each defines more than 1,000 terms in pocket encyclopedia style.

**SCIENCE YEAR: The World Book Science Annual 1969**—William H. Nault, Ed.—Field Enterprises Educ. Corp., 439 p., photographs, illus. in color, \$6.95. Features articles dealing with major advances in science, alphabetically lists summaries of science events, and includes biographical essays on Linus Pauling and the Burbidges.

**SOCIAL PSYCHOLOGY AND HUMAN VALUES: Selected Essays**—M. Brewster Smith—Aldine Pub. Co., 1969, 438 p., \$12.50. Collection is grouped under such headings as attitudes and values, "mental health" and competence, social problems, and humanistic values and psychology.

**SOCIAL STATUS AND PSYCHOLOGICAL DISORDER: A Causal Inquiry**—Bruce P. and Barbara Snell Dohrenwend—

Wiley, 1969, 222 p., \$9.50. Reports field experiments executed, data and theory concerning such basic issues as the relation of stressful social environments to psychological symptoms.

**SOURCEBOOK FOR PETROLEUM GEOLOGY**—Robert H. Dott, Sr., and Merrill J. Reynolds—Am. Assn. of Petroleum Geologists, 1969, 471 p., \$18. Commemorative volume covers the genesis of petroleum and the secondary migration and accumulation of petroleum.

**THE SWIFT YEARS: The Robert Oppenheimer Story**—Peter Michelmores—Dodd, 1969, 273 p., photographs, \$6.95. Biography of Robert Oppenheimer, based on the Oppenheimer papers and interviews with family members.

**A TREASURY OF BIRDLIFE**—Joseph Wood Krutch & Paul S. Eriksson, Eds.—Eriksson, Paul, 1969, 390 p., plates, \$7.95. An anthology of naturalists' essays on North American birds.

**THE UNEASY PARTNERSHIP: Social Science and the Federal Government in the Twentieth Century**—Gene M. Lyons—Russell Sage Foundations, 1969, 394 p., \$8.50. Comprehensive account of developments in social science research in government, through two World Wars, the New Deal, national defense, foreign affairs, social change, and search for a federal policy for social science.

**THE VIETNAM WAR AND INTERNATIONAL LAW, Vol. 2**—Richard A. Falk, Ed.—Princeton Univ. Press, 1969, 1270 p., \$25; paper, \$7.50. Sponsored by the American Society of International Law, this is a collection of readings and materials on the relevance of law to civil war and to the American involvement in Vietnam.

**THE WORLD, THE FLESH AND THE DEVIL: An Enquiry into the Future of the Three Enemies of the Rational Soul**—J. D. Bernal—Indiana Univ. Press, 1969, 2nd ed., 90 p., \$4.95. An essay in prediction, written in 1929, with new foreword by author.

**THE WORLD OF THE BISON**—Ed Park—Lippincott, 1969, 161 p., photographs by author, \$5.95. A study of the history of the bison, of its habits, following the animals through the seasons in the national refuges where they still roam.

**THE WORLD OF THE GIANT PANDA**—Richard Perry—Taplinger Pub. Co., 1969, 136 p., photographs, illus., \$7.50. Fully illustrated study of the life and habits of the Panda, both in the wild and in captivity.

**THE WORLD'S A ZOO**—John Perry—Dodd, 1969, 303 p., \$6.95. Concerned with the coexistence of man and wild animals, the book explains the modern zoo's objectives in preserving and studying the animals, and discusses other planned centers of conservation.

**YEARBOOK OF INTERNATIONAL COMMUNIST AFFAIRS, 1968**—Richard V. Allen, Ed.—Hoover Institution Press, 1969, 1165 p., \$25. Provides a comprehensive survey of organizational structures, internal developments, domestic and foreign policies of individual communist parties, by countries. Includes complete and abridged texts of 1967 documents, and a chronology of events.