

# books OF THE WEEK

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**THE AMERICAN IDEA OF SUCCESS**—Richard M. Huber—McGraw-Hill, 1971, 563 p., \$10. Probes and analyzes the American drive to get ahead, to acquire health and wealth, rank and prestige, popular and critical success, to be a self-made man. Deals with the merchants of mind power, the personality ethic, and the self-help literature, and considers the ambivalent feelings about success and leisure.

**ATLANTIC REEF CORALS: A Handbook of the Common Reef and Shallow-Water Corals of Bermuda, the Bahamas, Florida, the West Indies, and Brazil**—F. G. Walton Smith—Univ. of Miami Press, 1971, 164 p., 48 photographs, illus., \$6.95. Simple guide to rapid identification, for amateur and scientist.

**BEFORE NATURE DIES**—Jean Dorst, transl. from French by Constance D. Sherman—Penguin Bks., 1971, 352 p., photographs, drawings, maps, paper, \$2.45. Reprint (1970) of zoologist's comprehensive survey of man's impact on nature, from the consequences of introduced animals and bad agricultural practices to pollution of water and air, and the destruction of biological balances.

**THE BRAIN IN HOMINID EVOLUTION**—Phillip V. Tobias—Columbia Univ. Press, 1971, 170 p., illus., \$10. Critically reviews all available evidence on brain size changes during human evolution and examines the meaning of the increase in brain size. Addressed to research workers and students in the field of hominid evolution.

**CULTURAL CONTEXT OF LEARNING AND THINKING: An Exploration in Experimental Anthropology**—Michael Cole, Donald W. Sharp and others—Basic Bks., 1971, 304 p., photographs, diagrams, \$10. A study of the thinking processes of members of a tribal group in Western Africa, gives new insight into the relation between culture and cognitive development.

**THE EARTH AND ITS OCEANS**—Alyn C. Duxbury—Addison-Wesley, 1971, 381 p., illus., \$10.95. Attempts to connect in a meaningful way the ever changing ocean to its scientific framework. Gives insight into the processes that tend to alter the distribution of properties and the special way these processes apply to the sea.

**THE EARTH AND ITS SATELLITE**—John Guest, Ed.—McKay, 1971, 164 p., 48 color plates, photographs, diagrams, \$15. Combining the techniques of phototechnology, the latest information from the manned Apollo missions and the theory of plate tectonics, the book considers the geology of the earth and moon together, comparing the earth with its dynamic atmosphere and water with the relatively inactive surface of the moon.

**ENCYCLOPEDIA OF FOOD ENGINEERING**—Carl W. Hall, A. W. Farrall and A. L. Rippen—Avi Pub. Co., 1971, 755 p., illus., \$52. A useful collection of technical data pertaining to the application of modern engineering to the food processing industry, alphabetically arranged from "absolute pressure controller" to "zinc," with index.

**FAMILY LIFE OF BIRDS**—Hans D. Dossbach; designed by Emil M. Bührer; foreword by Otto Koenig, Sci. Ed.—McGraw-Hill, 1971, 200 p., photographs in color by author; drawings, illus. charts, \$12.95. Gives a visual account of the natural life of some of the world's most distinctive birds, their courting and mating habits, nest building, breeding practices and nursery behavior.

Running commentary contains detailed information.

**HOOFED MAMMALS OF THE WORLD**—Ugo Mochi and T. Donald Carter—Scribner, 1971, 268 p., illus. by Ugo Mochi, \$9.95. First published in large format in 1953, the book is a unique collection of animal silhouettes with supporting species account; covers the world's ungulates from giraffe and okapi, gazelles, buffaloes through wild boars, rhinos, to camels and zebras.

**IMPINGEMENT OF MAN ON THE OCEANS**—Donald W. Hood, Ed.—Wiley-Interscience, 1971, 738 p., illus., \$24.95. Places the subject of world-ocean pollution in scientific perspective by surveying the factors of transport processes and reservoirs, chemical models of the ocean, man-made contaminants, coastal alterations, and ocean research development.

**AN INTRODUCTION TO AMERICAN ARCHAEOLOGY, Vol. II: South America**—Gordon R. Willey—Prentice-Hall, 1971, 559 p., photographs, drawings, maps, \$24. This is the second of two-volume work on American Archaeology introducing both the student and layman to the subject. Combines compressed, narrative-descriptive account with extensive footnotes and scholarly bibliography.

**THE LANGUAGE OF CITIES: A Glossary of Terms**—Charles Abrams with Robert Kolodny—Viking Press, 1971, 365 p., \$10. A lexicon of terms used by urban dwellers, builders, planners and lawyers, accurately and clearly defines for the use of expert and layman terms ranging from "abandonment" to "zoning, time."

**THE MEDVEDEV PAPERS: Fruitful Meetings Between Scientists of the World. Secrecy of Correspondence is Guaranteed by Law**—Zhores A. Medvedev, transl. from Russian by Vera Rich, foreword by John Ziman—St. Martins Press, 1971, 470 p., \$11.95. A documented account of Soviet censorship and bureaucratic obstruction of the free flow of scientific cooperation, written by well-known Russian gerontologist.

**MICROBES AND MORALS: The Strange Story of Venereal Disease**—Theodor Rosebury—Viking Press, 1971, 361 p., illus., \$7.95. Bacteriologist's book for the layman, with notes and bibliography for the specialist, reviews the literature from the Bible to John Donne and Blake, and treats the medical, therapeutic and public health aspects of VD.

**THE NATURE OF THE UNIVERSE**—Clive Kilminster—Dutton, 1971, 216 p., color plates, photographs, drawings, diagrams, \$6.95. Introduction to cosmology, the study of order in the universe, deals with relativity in the manner of applied common sense, and discusses unusual cosmological theories.

**THE NEW YORK TIMES 1972 GUIDE TO COLLEGE SELECTION**—Ella Mazel—Quadrangle Bks., 1971, 240 p., illus., paper, \$4.95. A systematic, graded guide to 1,360 accredited institutions of higher learning, permitting precise selection according to individual interests, goals and abilities.

**THE NIGHT COUNTRY**—Loren Eiseley—Scribner, 1971, 240 p., illus. by Leonard Everett Fisher, \$7.95. Essays and reflections of an anthropologist and fossil hunter, personal experiences projected against broader meanings.

**PHYSIOLOGY OF WORK CAPACITY AND FATIGUE**—Ernst Simonson, M.D., Ed.; foreword by Ancel Keys—Thomas, C. C., 1971, 571 p., illus., \$33.50. A thorough discussion of the physiological adaptations to the stress of work and their impairment by fatigue, a condition dependent on psycho-

logical variables, environment, nutrition, age, and the type, severity and duration of work performance.

**PROCEEDINGS OF THE SECOND LUNAR CONFERENCE**, Houston, Texas, 1971, Vol. 1: Mineralogy and Petrology. Vol. 2: Chemical and Isotope Analyses. Organic Chemistry. Vol. 3: Physical Properties. Surveyor III—A. A. Levinson, Ed.—MIT Press, 1971, 986 p., 966 p., 866 p., illus., \$25 each, three-vol. set \$70. Presents the findings of the principal investigators of lunar rocks and surface experiments of the Apollo 11 and 12 missions.

**RUSSIANS IN SPACE**—Evgeny Riabchikov; Nikolai P. Kamanin, Ed.; transl. from Russian by Guy Daniels—Doubleday, 1971, 300 p., 153 photographs, \$10. Gives the Western reader an overview of the Soviet Union's space program, their cosmonauts, rockets, procedures and flights.

**SECRET SENTRIES IN SPACE**—Philip J. Klass—Random House, 1971, 236 p., 16 plates, \$7.95. Reports on the unmanned reconnaissance satellites orbited by U.S. and U.S.S.R., and discusses their contribution to international stability.

**A SENSE OF THE EARTH**—David Leveson, foreword by René Dubos—Natural Hist. Press, 1971, 176 p., photographs by author, drawings by Meg Leveson, \$6.95. Invites the reader to participate in the total geological experience by relating abstract geological knowledge to the direct human experience of the earth.

**SIDE BY SIDE: Integrated Neighborhoods in America**—Norman M. Bradburn and others—Quadrangle Bks., 1971, 209 p., tables, \$7.95. Findings of a study of hundreds of integrated neighborhoods, assessing people's attitudes toward their home and community, why they choose to move in, or stay, or leave. Delineates conditions for success.

**SILENT CITIES, SACRED STONES: Archeological Discovery in Israel**—Jerry M. Landay—McCall Bks., 1971, 272 p., 16 color plates, 250 photographs, map, \$14.95; \$12.95 before 1/1/72. Tells chronologically about the archeological finds and biblical rediscoveries of explorations beneath the surface of ancient Israel.

**THEORETICAL ASPECTS OF POPULATION GENETICS**—Motoo Kimura and Tomoko Ohta—Princeton Univ. Press, 1971, 219 p., diagrams, \$12.50; paper, \$5. To show the importance of stochastic processes in the change of gene frequencies, the authors discuss topics ranging from molecular evolution to two-locus problems in terms of diffusion models.

**ULYSSES AIRBORNE**—Mauricio Obregón, introd. by Samuel Eliot Morison—Harper, 1971, 188 p., photographs by Cristina Martínez-Irujo de Obregón, maps, \$8.95. Both aviator and small-boat sailor, the author tells the story of his search to identify and photograph from the air the places where Ulysses touched on his way home from Troy.

**THE VIEW FROM SPACE: Photographic Exploration of the Planets**—Merton E. Davies and Bruce C. Murray—Columbia Univ. Press, 163 p., photographs, diagrams, \$14.95. Comprehensive description for the general reader of what has been learned from TV and camera observations, treats the problems and potentials of photography of the earth, moon and planets from space.

**THE WAY THINGS WORK: Volume Two**—Simon & Schuster, 1971, 591 p., diagrams, maps, \$9.95. Illustrated encyclopedia explains more than 1000 machines, principles and processes, from aerosols through foam plastics, couplings, torpedoes, engine tunings, to artificial heart, piano tuning, and teaching machines.