

# books OF THE WEEK

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**BAMBOOS:** A Gardener's Guide to their Cultivation in Temperate Climates—Alexander High Lawson—Taplinger, 1968, 182 p., photographs, drawings, \$12. Based on long practical experience with raising hardy bamboo in England, the author deals comprehensively with the many species which can be cultivated and propagated in the temperate zone.

**THE BUCKRAM SYNDROME:** A Critical Essay on Paperbacks in Public Libraries of the United States—Marie T. Curley—Am. Lib. Assn., 1968, 74 p., paper, \$1.75. Based on questionnaire survey, the report examines critically current practices in large, middle-sized and small libraries.

**THE ECONOMICS OF SOVIET OIL AND GAS**—Robert W. Campbell—Johns Hopkins Press, 1968, 279 p., diagrams, maps, \$8.50. Presents a case study of the petroleum industry of the U.S.S.R. from an economist's viewpoint, describing the developments of the last decade and assessing its future prospects, including export possibilities, widely viewed as a competitive threat to the existing patterns of supply.

**EKISTICS:** An Introduction to the Science of Human Settlements—Constantinos A. Doxiadis—Oxford Univ. Press, 1968, 527 p., drawings, maps, \$35. A major study of human urban settlements, their essential elements, parts and the nature of their growth, seeking to combine in the new discipline of ekistics the many partial solutions to modern man's needs and social problems with the goal of preserving human values and a human scale for the communities of the future.

**THE FIRST AUSTRALIANS**—Ronald M. Berndt and Catherine H. Berndt—Ure Smith (Taplinger), 1968, 2nd ed., 166 p., photographs, drawings, \$5.50. A study of Australian Aborigines against the general background of Australia today, observing their way of life in a changing world.

**THE FIRSTBORN:** Experiences of Eight American Families—Milton J. E. Senn, M.D. and Claire Hartford, Eds.—Harvard Univ. Press, 1968, 533 p., \$10. Detailed, in-depth family studies, in search of important aspects of individual and family psychodynamics, the biographies are presented in juxtaposition with one another, and in summarized findings.

**FLOWERING AND FOLIAGE HOUSE PLANTS**—Jack Kramer—Arco, 1968, 112 p., photographs, \$3.50. Pictorial guide with detailed instructions for indoor gardening.

**FROM THE BEGINNING:** Archaeology and Art in the Israel Museum, Jerusalem—Karl Katz, P. P. Kahane and Magen Broshi; introd. by Philip Hendy—Reynal (Morrow), 1968, 286 p., 64 color plates, 150 photographs, \$15; \$12.95 until 1/2/69. Presents the record of 5,000 years, assembled in a modern museum, from Stone Age tools through Byzantine pottery to Epstein and Calder.

**THE GREAT LONE LAND:** A Narrative of Travel and Adventure in the North-West of America—William Francis Butler—Tuttle, 1968, 396 p., illus., map, \$5. A detailed and vivid account of a 4000-mile winter journey on horse, on foot and by dogsled, through mostly uninhabited wilderness between Lake Superior and the Rocky Mountains, an expedition commissioned by the Canadian government in 1871.

**THE GREAT REACHING OUT:** How Living Beings Communicate—Robert Froman—World Pub. Co., 1968, 157 p., illus., by Kathleen Elgin, \$4.50. A readable account for young people of how man and the other animals communicate with one another as well as with others of their own species.

**HOW TO FOLLOW THE ADVENTURES OF INSECTS**—Vinson Brown—Little, Brown, 1968, 201 p., illus. by Julia Iltis, \$4.50. A guide to collecting and observing insects, with a key to insect habitats and niches of life, discusses insect behavior and projects for exploration.

**HOW TO GROW BULBS**—Eds. of Sunset Magazine, Elsa Uppman Knoll, Ed.—Lane Bks., 1968, 2nd ed., 98 p., photographs, illus., paper, \$1.95. For the gardener who wants to know more about different varieties of bulbs.

**HOW TO KNOW THE GRASSES**—Richard W. Pohl—Brown, Wm. C., 1968, rev. ed., 244 p., 427 illus., spiral-bound, \$3.25. Manual with pic-

tured keys for determining the common and important American grasses with suggestions and aids for their study. Revision uses new system of classification based largely upon evolutionary principles.

**ISLAND OF ADVENTURE:** A Naturalist Explores a Gulf Coast Wilderness—Ross E. Hutchins—Dodd, 1968, 243 p., photographs by author, \$6. A close look at the life inhabiting an Everglades-like marshland with semi-tropical jungle growth along the bayous.

**LEONHARD RAUWOLF:** Sixteenth-Century Physician, Botanist and Traveler—Karl H. Dannenfeldt—Harvard Univ. Press, 1968, 321 p., map, \$7.95. This monograph in the history of science follows the life and travels of a pioneer Renaissance botanist, the first to collect and describe the flora of the Near East.

**LIVES OF THE PHARAOHS**—Pierre Montet—World Pub. Co., 1968, 288 p., photographs, maps, \$10.95. A generously illustrated account of the most famous pharaohs, from the Archaic period to the time of Alexander the Great's conquest of Egypt, interprets the existing evidence and discusses the monuments.

**LONDON WEATHER**—J. H. Brazell—HMSO (Brit. Inform. Services), 1968, 249 p., 23 plates, maps, \$9.90. Describes the main aspects of weather in Greater London and its environs from earliest times to the present, with tabulated data on monthly and seasonal weather between 1841 and 1964, holiday weather, warm and cold spells, droughts and floods.

**MAGNETOHYDRODYNAMIC ENERGY CONVERSION**—Richard J. Rosa—McGraw-Hill, 1968, 234 p., photographs, diagrams, \$17.50. Introduction for the lay engineer as well as a reference work for those engaged in the field, reviews the basic principles and practical aspects of MHD energy conversion.

**MAN AND AGGRESSION**—M. F. Ashley Montagu, Ed.—Oxford Univ. Press, 1968, 178 p., \$5; paper, \$1.95. Anthropologists, zoologists and other scholars probe the evidence concerning the sources of human aggression, and critically reconsider the recently popularized acceptance of man's inborn aggressive drives.

**MAN AND BEAST**—R. A. Marchant—Macmillan, 1968, 177 p., illus., \$4.95. Outlines the history of man's relationship to animals as hunter, exploiter, trainer, experimenter, legislator, scientist and conservationist.

**MARRIAGE AND PERSONAL DEVELOPMENT**—Rubin Blanck and Gertrude Blanck—Columbia Univ. Press, 1968, 191 p., \$6. Out of the generic theoretical propositions of ego psychology concerning growth and development, two practicing psychoanalysts show how the marriage counselor may recognize the developmental features in marriage and address his treatment to them.

**MATHEMATICAL THINKING IN BEHAVIORAL SCIENCES:** Readings from SCIENTIFIC AMERICAN—Introductions by David M. Messick—Freeman, 1968, 231 p., 225 illus., \$10; paper, \$4.95. Collection of 27 articles covering such topics as feedback, the principle of optimization, the extent to which machines are capable of performing activities considered unique to living systems, and the contributions of digital computers to the understanding of behavioral phenomena.

**MATHEMATICS FOR THE MILLION**—Lancelot Hogben—Norton, 1968, 4th ed., 649 p., illus., \$8.95. Extensively revised and re-illustrated, this highly readable modern classic combines historical interest with a coverage of the elements of mathematics from simple arithmetic to calculus.

**MATHEMATICS IN THE MODERN WORLD:** Readings from SCIENTIFIC AMERICAN—Introductions by Morris Kline—Freeman, 1968, 409 p., 374 illus., \$10; paper, \$6.50. A series of articles on many different mathematical subjects, presented to illuminate, excite and inspire an appreciation for the concepts, processes, theorems and proofs of mathematics.

**MOLLUSCS**—J. E. Morton—Hillary House Pubs., 1967, rev. ed., 244 p., illus., paper, \$2.25. A balanced account of malacology, discusses the basic structure and evolutionary origin of Mollusca and shows how the six classes of living molluscs have arisen, each with its distinctive pattern.

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**104 EASY TRANSISTOR PROJECTS YOU CAN BUILD**—Bob Brown—Tab Bks., 1968, 223 p., diagrams, \$6.95; paper, \$3.95. For hobbyists and experimenters, these projects, using three or four transistors at most, try to reflect recent advances in solid-state technology.

**PARTICLE ACCELERATOR SAFETY MANUAL**—R. G. Altes and others—CFSTI (PB 178 325), 1968, 191 p., illus., paper, \$3. Provides guidelines for the safe operation of particle accelerators in medicine, industry and research, both the special hazards associated with ionizing radiation, and the conventional hazards of industrial plants and laboratories.

**PRACTICAL SCIENTIFIC RUSSIAN**—S. Kaganoff—Gordon & Breach, 1967, 342 p., \$16; paper, \$8.50. Provides students and teachers of the physical and chemical sciences with a practical method of learning the essentials of analytical grammar, idioms and structure of complex words in scientific Russian.

**SCIENCE IN MODERN SOCIETY**—J. G. Crowther—Schocken Bks., 1968, 403 p., \$8. A study of the politics of science since World War II, analyzes the priorities of government—social, political, economic, military—in order to explain scientific development in the United States, England, Germany and the Soviet Union.

**THE SOCKEYE SALMON, Oncorhynchus nerka**—R. E. Foerster—Fisheries Res. Bd. Canada (Queen's Printer, Ottawa), 1968, 422 p., photographs, diagrams, maps, \$8. Brings together results of all studies of the North Pacific declining sockeye population under a variety of climatic and environmental conditions, to assess overall survival as well as each stage of the life cycle from egg through to adult spawning stages.

**THE TECHNOLOGY OF TEACHING**—B. F. Skinner—Appleton, 1968, 271 p., illus., paper, \$2.95. Updated lectures and articles on such topics as the science of learning and the art of teaching, teaching machines, the teaching of thinking, the creative student, and the behavior of the establishment.

**THINKING AND REASONING:** Selected Readings—P. C. Wason and P. N. Johnson-Laird—Penguin Bks., 1968, 431 p., paper, \$1.95. Six sections include readings on the development of thinking in the child—with papers by Bruner and Piaget—and on some of the recent attempts to simulate thinking on electronic computers.

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