

# books OF THE WEEK

**AMERICA ADOPTS THE AUTOMOBILE, 1895-1910**—James J. Flink—MIT Press, 1970, 343 p., illus., \$12.50. A scholarly account of the origins of the American automobile revolution.

**THE AMERICAN ENLISTED MAN: The Rank and File in Today's Military**—Charles C. Moskos, Jr.—Russell Sage, 1970, 274 p., \$7.95. A sociological study probing the actual culture, behavior and attitudes behind the image of the enlisted man's life.

**ARCHAEOLOGICAL FAKES**—Adolf Rieth, transl. from German by Diana Imber—Praeger, 1970, 183 p., photographs, \$7.50. Archaeologist surveys the history of faking and describes with well illustrated examples how forgeries were made, how they were planted to confuse the experts, and how they were finally exposed.

**BIOLOGY OF THE IMMUNE RESPONSE**—Peter Abramoff and Mariano F. La Via—McGraw-Hill, 1970, 492 p., illus., \$12. Covers the subject systematically, from the nature of antigenicity, the structure and functions of immunoglobulins to immunologic memory, immunosuppression and antigen-antibody reactions.

**COMMON SENSE LIVES HERE: A Community Guide to Drug Abuse Action**—Thomas D. Boyd, Ed.—Nat'l Coordinating Council on Drug Abuse Education, 1970, 107 p., illus., paper, \$2 direct to publisher, Rm 212, 1211 Conn. Ave., Washington, D.C. Gives basic facts about drugs, and advises on how to organize community action and where to find help.

**THE COMPARATIVE ANATOMY AND HISTOLOGY OF THE CEREBELLUM** from Monotremes through Apes—Olof Larsell; Jan Jansen, Ed.—Univ. of Minn. Press, 1970, 269 p., illus., \$16. Comprehensive account of the morphogenetic development and morphology of the cerebellum of all orders of mammals, excluding man.

**A DICTIONARY OF ALLOYS**—Eric N. Simons—Hart Pub. Co., 1970, 191 p., \$15. Alphabetically arranged reference to the composition and properties, functions and applications of a wide range of non-ferrous alloys, from "43 alloy" to "Zisium."

**THE ECOLOGY OF HUMAN INTELLIGENCE: Selected Readings**—Liam Hudson, Ed.—Penguin Bks., 1970, 368 p., graphs, tables, paper, \$2.45. Brings together evidence from studies in genetics, biology, individual and social psychology, anthropology and history, indicating how the cultural context, biological factors, early environment and intellectual maturity influence the development of human intelligence.

**ENCYCLOPEDIA OF ASSOCIATIONS, Vol. I: National Organizations of the United States**—Margaret Fisk, Ed.—Gale Research Co., 1970, 6th ed., 1468 p., \$32.50. Basic guide, contains concise, detailed information on more than 15,000 associations and professional societies, including some international and foreign groups, citizen action groups and governmental advisory bodies. Arranged by subject groups, with alphabetical and keyword index.

**ENVIRONMENT & PLANT RESPONSE**—Michael Treshow—McGraw-Hill, 1970, 422 p., illus., \$11.95. Presents to the student of environmental pathology and biology the various causes and symptoms of abnormal plant physiology due to climatic relations, water and soil deficiency or toxicity, and the effects of pollution.

**A FIELD GUIDE TO THE LARGER MAMMALS OF AFRICA**—Jean Dorst—Houghton Mifflin, 1970, 287 p., 44 color plates by Pierre Dandelot, drawings, maps, \$8.50. Belonging to the most spectacular fauna on earth, the mammals south of the Sahara represented in this identification guide concentrate on game, carnivores and primates, and include some big diurnal rodents, pangolins and manatee.

**FINDING BIRDS IN MEXICO**—Ernest Preston Edwards—Edwards, rev. ed., 282 p., plates, maps, \$7.95; paper, \$5.50, direct to author, Sweet Briar, Va. 24595. Well organized field guide, describes some 212 species in 66 localities of their lowland and highland habitats.

**THE FROZEN CELL: A Ciba Foundation Symposium**—G. E. W. Wolstenholme and Maeve O'Connor, Ed.—Churchill (Williams & Wilkins), 1970, 316 p., photographs, diagrams, \$12.25. Papers and discussion on polyhedral clathrate hydrates, physical changes during heating and warming, haemolysis of erythrocytes by freezing, and peptide protection.

**HOME ORCHID GROWING**—Rebecca Tyson Northen—Van Nostrand, Reinhold, 1970, 3rd ed., 374 p., photographs (100 in color), drawings, \$18.95. Handbook for the serious hobbyist, discusses structure, care, genetics, breeding and growing of seedlings, and describes more than 500 species from all over the world.

**LANDSLIDES AND THEIR CONTROL**—Quido Zaruba and Voitech Mencil—Elsevier/Academia (Am. Elsevier Pub. Co.), 1970, 205 p., photographs, diagrams, \$14.50. Monograph deals with the origins of slope movements, the methods of their investigation, prevention and control. Describes numerous examples of landslides and their treatment in widely diverse geological conditions.

**MARINE FOOD CHAINS**—J. H. Steele, Ed.—Univ. of Calif. Press, 1970, 552 p., illus., maps, \$13.50. Symposium papers reveal the complexities of the trophic relations in the sea, from bacterial action in recycling organic matter, to questions on the effect of food availability as a limitation on the potential yield from commercial fisheries.

**OH! SEX EDUCATION**—Mary Breasted—Praeger, 1970, 343 p., \$7.95. Detailed investigation of the sex education controversy in the case of Anaheim, Calif., with analysis of the literature and politics of both SIECUS and the Christian Crusade, and interviews with leaders on both sides.

**PHOTOGRAPHING NATURE**—G. J. H. Moon—Tuttle, 1970, 144 p., 163 photographs (47 in color), \$10. Profusely illustrated guide explains equipment and techniques the professional uses to photograph birds, landscapes and plants, to best advantage in all light conditions.

**PHYSICS FOR POETS**—Robert H. March—McGraw-Hill, 1970, 302 p., illus., \$6.95. Outgrowth of a course for students in the humanities and social sciences, the book conveys to the layman a sense of physics as a human activity, from simple descriptive mechanics to a conceptual framework of quantum theory.

**PIECES OF THE ACTION**—Vannevar Bush—William Morrow, 1970, 366 p., photograph, \$8.95. A vivid and wise autobiography, spanning 60 years of invention, organization, and leadership in education and in the scientific community.

**SCIENCE AND SECULARITY: The Ethics of Technology**—Ian G. Barbour—Harper, 1970, 151 p., \$4.95. Analyzes the scientific method, the autonomy of nature, biochemical man and the cybernetic revolution, and pleads for a redirection of the technological mentality.

**SCIENCE AND TECHNOLOGY IN THE WORLD OF THE FUTURE**—Arthur B. Bronwell, Ed.—Wiley-Interscience, 1970, 394 p., illus., \$11.95. Research scientists and engineers survey the future in their disciplines, in fields ranging from oceanography to transportation, from biomedical engineering to nuclear particles.

**SCIENCE OF EDUCATION AND THE PSYCHOLOGY OF THE CHILD**—Jean Piaget, transl. from French by Derek Coltman—Orion Press, 1970, 186 p., \$7.50. Develops the author's principles of teaching based on the spontaneous operational structures of the child's intelligence.

**SERENDIPITY IN ST. HELENA: A Genetical and Medical Study of an Isolated Community**—Ian Shine, M.D. with Reynold Gold, foreword by Sir Max Rosenheim—Pergamon Press, 1970, 186 p., photographs, diagrams, tables, \$10. Intensive study of the 5000 islanders reveals an atypical pattern of disease including hitherto undescribed diseases.

**SYMBIOSIS: Organisms Living Together**—Thomas C. Cheng—Pegasus, 1970, 250 p., illus., maps, \$6.95; paper, \$2.25. First in a new BSCS series, the book provides a brief scientific study of how organisms of different species live together, the symbiosis of human welfare, modes of contact and defense mechanisms.

**UTOPIAN MOTHERHOOD: New Trends in Human Reproduction**—Robert T. Francoeur—Doubleday, 1970, 278 p., \$6.95. Outlines advances in experimental embryology—frozen germ cells, artificial womb, embryo transplants, asexual cloning of human beings—and explores their psychological, emotional and philosophical implications.

**THE WORLD OF THE VIRUSES**—Stewart M. Brooks—Barnes A. S., 1970, 162 p., illus., \$5.95. Gives a concise general account of the animated ultramicroscopic particles, as they particularly relate to health and disease.

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