

# books OF THE WEEK

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**ADVENTURES IN DISCOVERY**—Tom Purdom, Ed.—Doubleday, 1969, 182 p., \$4.95. Ten essays about discoveries in science told with the drama and suspense of science fiction writing.

**AMERICAN BELIEFS AND ATTITUDES ABOUT INTELLIGENCE**—Orville G. Brim, Jr. and others—Russell Sage Foundation, 1969, 291 p., \$7.75. Study analyzes the attitudes and beliefs about intelligence and standard intelligence tests, based on a national survey of samples of about 10,000 secondary school students.

**BIRTH OF A GIANT: The Men and Incidents that Gave America the Motorcar**—Richard Crabb—Chilton Bk. Co., 1970, 467 p., photographs, drawings, \$9.50. Detailed story of the dealings, decisions and developments, the major machining concepts and marketing ideas that assured the phenomenal rise of the American automobile industry.

**CASELL'S NEW COMPACT SPANISH-ENGLISH, ENGLISH-SPANISH DICTIONARY**—Brian Dutton, L.P. Harvey and Roger M. Walker—Funk & Wagnalls, 1969, 444 p., \$3.95. Pocket-size reference book for college use and travel, includes lists of verbs in tabular form.

**THE CHEMISTRY AND BIOLOGY OF VIRUSES**—Heinz Fraenkel-Conrat—Academic Press, 1969, 294 p., micrographs, diagrams, \$9. Monograph covers the chemistry and biochemistry of bacterial, plant and animal viruses, from methods for isolation and purification of viruses to the biology of tumor virus and temperate phages.

**CONQUEST OF SPACE**—Erich Dolezal, transl. from German by Alfred Kurti, foreword by Wernher von Braun—Abelard-Schuman, 1969, 132 p., photographs, \$4.50. An Austrian science-journalist's compact overview of developments in rocket and space technology, for younger readers.

**CULTURE AND COMMITMENT: A Study of the Generation Gap**—Margaret Mead—Natural Hist. Press, 1970, 113 p., \$5. Based on the anthropologist's 1969 "Man and Nature" lectures, the book examines the nature of the lack of commitment in our culture today, and explores the resources we have for understanding and bridging the gap that divides the generations.

**DEAFNESS**—David Wright—Stein and Day, 1970, 213 p., \$5.95. Autobiographical account, describes the education of the deaf author, including his studies at Oxford; gives insight into the special ways in which the intelligent deaf person observes and reacts to the outside world.

**EXOCRINE GLANDS: Proceedings of a Satellite Symposium of the XXIV International Congress of Physiological Sciences**

—Stella Y. Botelho, Frank P. Brooks and Walter B. Shelley, Eds.—Univ. of Pa. Press, 1970, 280 p., illus., \$20. Research workers' papers on secretion of electrolytes and water by salivary gland, pancreas, sweat and salt gland; secretion of organic substances, and the neural, hormonal and pharmacological control of secretion.

**HANDBOOK OF ROCKY MOUNTAIN PLANTS**—Ruth Ashton Nelson—Dale Stuart King, 1969, 331 p., 12 color plates, photographs, drawings by Dorothy V. Leake, \$6.95; paper, \$4.95. Illustrated guide for the amateur botanist, contains descriptions of more than 975 different plants in 88 families.

**HEALTH AND THE DEVELOPING WORLD**—John Bryant—Cornell Univ. Press, 1970, 345 p., illus. by Praphan Srisouta, \$10. Examines health problems in Africa, Latin America and Asia, and suggests realistic solutions for providing adequate health care for entire populations.

**A HISTORY OF TECHNOLOGY AND INVENTION: Progress through the Ages, Vol. I: The Origins of Technological Civilization. Vol. II: The First Stages of Mechanization**—Maurice Daumas, transl. from French by Eileen B. Hennessy—Crown Pubs., 1969, 596 p., 694 p., photographs, drawings, diagrams, \$20 (two vols.). Well-researched, concise and readable; first volume deals with primitive societies, Mediterranean antiquity, the Far East, Islam and Byzantium, Pre-Columbian America and the Medieval Age. Second volume covers the period of man's material progress through technological inventions from the middle of the 15th century to the middle of the 18th.

**THE HUMAN ZOO**—Desmond Morris—McGraw-Hill, 1969, 256 p., \$6.95. Behavioral zoologist compares urban civilization to crowded zoo conditions and finds modern man biologically ill equipped to cope with the social hazards of a vast impersonal community.

**LOOK BACK WITH LOVE: A Recollection of the Blue Ridge**—Alberta Pierson Hannum—Vanguard Press, 1969, 205 p., photographs, \$6.95. A sympathetic portrait of the folk ways and personal characteristics of the mountain people of Appalachia.

**MARGARET SANGER: Pioneer of the Future**—Emily Taft Douglas—Holt, 1970, 274 p., photographs, \$7.50. Well-researched and lively biography of the pioneer of birth control and family planning.

**MEMBRANES OF MITOCHONDRIA AND CHLOROPLASTS**—Efraim Racker, Ed.—Van Nostrand Reinhold, 1970, 322 p., micrographs, diagrams, \$17.50. Monograph deals with the intracellular organelles responsible for the generation of bioenergy in plant and animal cells, with emphasis on the mutual interactions of the individual membrane components.

**THE NEW ELECTRONICS**—Bruce H. Shore—McGraw-Hill, 1970, 253 p., photographs, \$10. Concise chapters explain the developments in solid-state physics from quantum mechanical theory through field effect transistors, cultured components, Gunn effect devices, electronic memories, superconductivity to microwaves and beyond.

**THE NEW SPACE ENCYCLOPAEDIA:**

A Guide to Astronomy and Space Exploration—Sir Bernard Lovell and others; M. T. Bizony, Ed.—Dutton, 1969, 317 p., photographs, illus., diagrams, \$13.95. Combines reference to details on satellites, missiles and the Apollo explorations with a survey of all the branches of modern astronomy. Amply illustrated entries range from "aberration of light" to "zodiacal light."

**THE NEW YORK TIMES ENCYCLOPEDIA ALMANAC 1970**—Seymour Kurtz, Ed.-in-Chief—World Pub. Co., 1970, 1056 p., illus., tables, charts, maps, \$4.95; paper, \$2.95. First edition of new annual reference work for students, family and business, combines wide range of tabulated information with feature articles of current relevance. Covers every phase of U. S. political, economic and cultural life, as well as the world's nations.

**NUCLEAR LAW FOR A DEVELOPING WORLD**—D. A. V. Fischer and others—IAEA (UNIPUB, Inc., N.Y.), 1969, 329 p., diagrams, paper, \$9. A lecture course held at IAEA Headquarters in Vienna, concerned with basic legislation on atomic energy, third party liability and insurance, reactor licensing, safety regulations, food irradiation, and safeguards.

**THE OCEAN: A SCIENTIFIC AMERICAN Book**—Roger Revelle and others—Freeman, 1969, 140 p., photographs, maps, diagrams, \$6.50; paper, \$3.25. Portrays the ocean as it has become known to science during the past two decades.

**POTASSIUM-ARGON DATING: Principles, Techniques and Applications to Geochronology**—G. Brent Dalrymple and Marvin A. Lanphere—Freeman, 1969, 258 p., diagrams, \$7.50. Presents a summary of the principles and techniques of potassium-argon dating, contains substantial amount of practical information and explains fundamental assumptions that are made whenever a potassium-argon age is calculated.

**PRISONERS OF CULTURE**—George A. Pettitt—Scribner, 1970, 291 p., \$8.50. Cultural anthropologist compares the impact of our urban culture and mass education on contemporary American youth with the more structured, peer-group dominated growing up process in earlier cultures, examining diverse culture-changing processes as they developed from prehistoric societies to complex civilizations.

**PSYCHOLOGICAL RESEARCH IN COMMUNIST CHINA: 1949-1966**—Robert Chin and Ai-li S. Chin—MIT Press, 1969, 274 p., \$10. This scholarly inquiry into what has happened to the theory and practice of psychology in China presents the evolution of an intellectual discipline in a controlled society.

**SCENE OF CHANGE: A Lifetime in American Science**—Warren Weaver—Scribner, 1970, 226 p., photographs, \$7.50. Autobiographical reminiscences reflecting the dramatic pace of scientific research and the author's experience as administrator of fund-granting institutions.

**TUBERCULOSIS: I. Tuberculosis Morbidity and Mortality and Its Control. II Tuberculosis Infection**—Anthony M. Lo well, Lydia B. Edwards and Carroll E. Palmer—Harvard Univ. Press, 1969, 230 p., diagrams, \$6. Up-to-date, well-documented information provides a full assessment of tuberculosis in the United States.