

books OF THE WEEK

ADAPTATION IN CULTURAL EVOLUTION: An Approach to Medical Anthropology—Alexander Alland, Jr.—Columbia Univ. Press, 1970, 203 p., \$7. Examines the impact of disease-related human behavior upon the evolution of culture, the role of hygiene and therapy in relation to environmental adaptation.

ARMS BEYOND DOUBT: The Tyranny of Weapons Technology—Ralph E. Lapp—Cowles Bk. Co., 1970, 210 p., \$5.95. Examines the state of U.S. nuclear security, the complexity of modern weapons, the self-perpetuating momentum of weapons development and its consequences in the modern military-industrial complex.

THE BUFFALO—Francis Haines—Crowell, 1970, 242 p., illus., map, \$7.95. The story of American bison and their hunters from prehistoric times to the present.

CHALLENGE FOR SURVIVAL: Land, Air and Water for Man in Megalopolis—Pierre Dansereau, Ed., with Virginia A. Weadock—Columbia Univ. Press, 1970, 235 p., photographs, \$7.95. Concerned with the preservation of the natural environment in densely populated areas, in the form of a three-way communication between representatives of science, government and industry at all levels of specialization.

THE DIRECT AND INDIRECT MEASUREMENT OF BLOOD PRESSURE—L. A. Geddes—Year Bk. Medical Pubs., 1970, 196 p., illus., \$11. Brings together a considerable amount of data which describes methods available to measure blood pressure in man and a wide variety of animals, with critical evaluations and references.

THE INTERNEURON: Proceedings of 1967 Conference sponsored by the Brain Research Institute, UCLA—Mary A. B. Brazier, Ed.—Univ. of Calif. Press., 1970, 552 p., electromicrographs, diagrams, \$20. Research reports on the various aspects of the structure and integrative function of the cells that are arranged between the sensory paths and the motor mechanism.

IN THE NAME OF SCIENCE—H. L. Nieburg, new introd. by author—Quadrangle Bks., 1970, rev. ed., 429 p., paper, \$2.95. Revised reprint (1966) of a study of the ramifications of the military-industrial complex in America and the making of the "contract state."

THE LIFE OF MAMMALS, Vol. I—L. Harrison Matthews—Universe Bks., 1970, 340 p., photographs, drawings, \$12.50. Contains a great deal of information on the evolution, physiology and behavior of mammals, shows how species adapt to their environments above, below and on the ground, and in the water.

A MATHEMATICIAN'S APOLOGY—G. H. Hardy, foreword by C. P. Snow—Cambridge Univ. Press, 1969, 153 p., paper, \$1.45. Reprint (1967), addresses itself to the meaning of mathematics to man, both pure and applied mathematics.

A MILLION LOCKS AND KEYS: The Story of Immunology—Carl Heintze—Hawthorn Bk., 1970, 146 p., illus. by Carole Boldt, \$4.95. Tells the story of antigens and antibodies, the function of RNA and the blood stream, vaccines and transplants. For younger readers.

MIND AND BRAIN: A Philosophy of Science—Arturo Rosenblueth—MIT Press, 1970, 128 p., \$5.95. Neurophysiologist, in this search for scientific universals, concludes that brain and mind function in parallel, on separate levels of reality that are in constant relation to each other but do not interact.

THE MOON: An International Journal of Lunar Studies, Vol. I, No. 1, November 1969—Hannes Alfvén, Zdenek Kopal and Harold C. Urey, Eds.—D. Reidel Pub. Co., 168 p., photographs, diagrams, paper, quarterly, \$32.15 per volume; private persons, \$13.95 direct to publisher, P.O. Box 17, Dordrecht, Holland. Publishes results of original investigations in all fields of lunar study—astronomy, astronautics, geology, chemistry and space physics.

MY SEVERAL LIVES: Memoirs of a Social Inventor—James B. Conant—Harper, 1970, 701 p., photographs, \$12.50. Autobiography of a scientist who made original and important contributions to American public life in several distinctive careers—as scientist, educator, political administrator and government advisor.

NATIONAL PRIORITIES: Military, Economic and Social—Kenneth E. Boulding and others—Public Affairs Press, 1969, 176 p., \$4.50. Based on recent Congressional hearings, the book brings together views of leading governmental and private experts on domestic and foreign affairs.

THE NEW BRAHMIN: Scientific Life in America—Spencer Klaw—Morrow, 1969, 315 p., paper, \$2.50. Reprint (1968) of well-researched portrait of what it is like to be a scientist in America.

101 TV TROUBLES, FROM SYMPTOM TO REPAIR—Art Margolis—TAB Bks., 1969, 223 p., illus., \$7.95; paper, \$4.95. Practical advice concerning adjustments for brightness, sound, contrast, sweep and color in specific types of circuits.

1001 QUESTIONS ANSWERED ABOUT STORMS and Other Natural Air Disasters—Barbara Tufty—Dodd, 1970, 368 p., photographs, drawings by James McDonald, \$7.50. Answers questions both in human statistical and scientific explanatory terms, questions ranging from "what is a hurricane" to "what organizations are conducting research in space storms."

PARTNERS IN SCIENCE: Letters of James Watts and Joseph Black—Eric Robinson and Douglas McKie, Eds.—Harvard Univ. Press, 1970, 502 p., plates, \$12.50. Correspondence between the 18th-century scientific instrument maker, and his close friend, professor of chemistry; with facsimiles from notebooks.

PERTINENT CONCEPTS IN COMPUTER GRAPHICS: Proceedings of the Second University of Illinois Conference on Computer Graphics—M. Faiman and J. Nievergelt, Eds.—Univ. of Ill. Press, 1969, 439 p., illus., \$12.50. Papers range from devices through techniques (both hardware and software), to systems, applications and underlying principles.

THE PLANT HUNTERS—Tyler Whittle—Chilton Bk. Co., 1970, 281 p., photographs, map., \$8.95. Handsome presentation of the history of collecting botanical specimens, with an account of the careers and methods of some of the world's most successful plant hunters.

POINT OF VIEW: Talks on Education—Edward H. Levi—Univ. of Chicago Press, 1969, 186 p., \$4.50. The president of the University of Chicago expresses his views on responsibilities of the educated, university and community, general, liberal and specialized education, unrest, value and purposes of a university.

THE PSYCHOLOGY AND PHYSIOLOGY OF STRESS: With Reference to Special Studies of the Viet Nam War—Peter G. Bourne, Ed.—Academic Press, 1969, 242 p., diagrams, \$12. Collection of studies in clinical combat psychiatry, on the basic nature of stress and on altered physiology in response to combat.

THE RADIO AMATEUR'S HANDBOOK 1970—Headquarters Staff of AARL, Doug DeMaw, Ed.—Am. Radio Relay League, 1970, 710 p., illus., diagrams, \$7.50; paper, \$4.50. Standard reference work for amateur radio communication.

RESEARCH METHODS IN PLANT SCIENCE—Richard M. and Deana T. Klein—Natural Hist. Press, 1970, 756 p., illus., \$20. A comprehensive handbook on methodology for student and professional investigators, discusses the techniques used by plant scientists to probe plant structure, growth factors, metabolism, reproduction and diseases.

SCIENTIFIC INSTRUMENTS: How to Build and Use Them—Sam Epstein, foreword by C. L. Stong—Franklin Pub. Co., 1970, 256 p., 135 illus. by author, \$10. Shows how to design and construct such useful analytical instruments and experimental apparatus as polarographic analyzer, potentiometer, spectroscope, force table and electrochemical electrodes. For students, teachers and amateur experimenters.

SELECTED PAPERS ON COSMIC ORIGIN THEORIES—Stephen Rosen, Ed.—Dover, 1969, 439 p., paper, \$5. Contains 76 of the most outstanding original papers in the field, published between 1932 and 1966, including translations of important Russian papers.

SERIOUS GAMES—Clark C. Abt—Viking Press, 1970, 176 p., diagrams, \$5.95. Explores ways in which games are used to instruct and inform, simulate complex processes, games for elementary science, and games for planning and problem-solving in government and industry.

SHIPWRECKS AND ARCHAEOLOGY: The Unharvested Sea—Peter Throckmorton—Little, Brown, 1970, 270 p., photographs, illus., maps, \$6.95. Discusses what is involved in marine archaeology, the lack of trained underwater excavators, the sea change that takes place in wrecks, actual cases of salvaging, with notes, references and selected bibliography.

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.