

books OF THE WEEK

ABLE MISFITS: A Study of Educational and Behaviour Difficulties of 103 Very Intelligent Children (I.Q.s 120-200)—M. L. Kellmer Pringle—Humanities Press, 1970, 171 p., tables, \$6. Discussion of actual cases, findings of previous research, and implications for prevention and remedial action.

AN ANATOMY OF VALUES: Problems of Personal and Social Choice—Charles Fried—Harvard Univ. Press, 1970, 265 p., \$11. On the structure and ordering of human principles and ends, social and legal structures as systems of ends, and the value of life and death.

ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS, Vol. 8—Leo Goldberg, David Layzer and John G. Phillips—Annual Reviews, 1970, 495 p., illus., \$10. Contributions cover such topics as Fourier astronomical spectroscopy, pulsars, optical properties of X-ray sources, and internal rotation of the sun.

BETWEEN TWO AGES: America's Role in the Technetronic Era—Zbigniew Brzezinski—Viking Press, 1970, 334 p., illus., \$7.95. A study of the global impact of the technetronic revolution, the turbulence within institutionalized beliefs, the communist response, and the American contemporary reaction.

THE BIOCRRATS—Gerald Leach—McGraw-Hill, 1970, 317 p., \$8.95. Addressing the general reader, the book examines implications of birth-and population control methods, genetic engineering, breeding out faults, fetal medicine and birth defects, mechanical organs and transplants, and includes a cost-benefit analysis of priorities.

THE CHEMISTRY OF PLUTONIUM—J. M. Cleveland—Gordon & Breach, 1970, 653 p., diagrams, \$39.50; prof. \$19.50. Treatise covers both theory and practice, deals thoroughly with actinide theory, oxidation-reduction behavior, reaction kinetics, as well as chemical processing, recovery and waste disposal.

COGNITION AND AFFECT—John S. Antrobus, Ed.—Little, Brown, 1970, 210 p., illus., \$5.95; paper, \$3.75. Collection of papers, includes current research on daydreaming, visual imagery, retrieval of information, and attitude change.

COMMUNICATING WITH A COMPUTER—A. B. Bolt and M. E. Wardle—Cambridge Univ. Press, 1970, 80 p., illus., \$4.95; paper, \$1.95. Provides basic information on computing, primarily for teachers who need to include the subject in the curriculum at an elementary level.

CRYSTAL ACOUSTICS: Introduction to the Study of Elastic Waves and Vibrations in Crystals—M. J. P. Musgrave—Holden-Day, 1970, 288 p., illus., \$22.50. Describes in detail the conservative mechanics of waves in crystals, whether regarded as continua or as structures of discrete particles.

CURRENT TRENDS IN CRYOBIOLOGY—Audrey U. Smith, Ed.—Plenum Press, 1970, 252 p., illus., \$15. Monographs survey the field in the areas of greatest growth, such as freeze-drying of biological materials and banking of cells, tissues and organs at low temperatures.

DECONTAMINATION OF NUCLEAR REACTORS AND EQUIPMENT—J. A. Ayres, Ed.—Ronald Press, 1970, 825 p., illus., \$22.50. AEC-sponsored handbook presents the complexity of reactor contamination and corrosion, and describes decontamination methods and process equipment available and in use for particular reactor systems, buildings and the environment.

THE DERMIS: Advances in Biology of Skin, Vol. X—William Montagna, J. Peter Bentley and Richard L. Dobson, Eds.—Appleton, 1970, 302 p., color plates, illus., \$18.50. Contributions give insight into the dynamic interaction that goes on within the dermis itself, as well as between the dermis and ectodermal structures.

DETERIORATION AND PRESERVATION OF LIBRARY MATERIALS—Howard W. Winger and Richard Daniel Smith, Eds.—Univ. of Chicago Press, 1970, 200 p., diagrams, \$7.95. On the nature of paper and photographic records, environmental factors affecting the permanence of library materials, and new approaches to preservation.

DRUGS & YOUTH: Medical, Psychiatric and Legal Facts—Joseph H. Brenner, Robert Coles and Dermot Meagher—Liveright, 1970, 258 p., illus., \$5.95. Documented and unemotional appraisal of the known facts, explains terms like habituation and tolerance, and discusses LSD, speed, heroin and marijuana.

ELECTROMAGNETIC FIELDS AND LIFE—A. S. Presman, transl. from Russian by F. L. Sinclair; Frank A. Brown, Jr., Ed.—Plenum Press, 1970, 336 p., illus., \$25. Reviews both experimental and theoretical data concerning the effects of electromagnetic fields of different frequencies on various organisms ranging from protozoa to man.

ENVIRONMENT: A Challenge for Modern Society—Lynton Keith Caldwell—Natural Hist. Press, 1970, 292 p., \$7.95. Social scientist considers the problems of our deteriorating environment, man's relationship to his environment, and the need for new attitudes to help shape the environments of civilized societies.

ENVIRONMENTAL SURVEILLANCE IN THE VICINITY OF NUCLEAR FACILITIES: Proceedings of Symposium Sponsored by the Health Physics Society—William C. Reinig, Ed.—Thomas, C. C., 1970, 465 p., illus., \$29. Expert contributions review experience, accomplishments and current research in detection, evaluation and control of environmental radioactivity.

FABRICATED MAN: The Ethics of Genetic Control—Paul Ramsey—Yale Univ. Press, 1970, 174 p., \$7.50; paper, \$1.95. Discusses the moral and religious implications of genetic control, of such possibilities as clonal reproduction of selected phenotypes and artificial donor insemination.

FIRST AND LAST EXPERIMENTS IN MUSCLE MECHANICS—A. V. Hill—Cambridge Univ. Press, 1970, 141 p., illus., \$9.50. Nobelist's personal account of a lifetime's work in muscle physiology, describes the experiments made and the results obtained between 1924 and 1965.

FREEZING POINT: Cold as a Matter of Life and Death—Lucy Kavalier—Day, 1970, 416 p., illus., \$8.95. Tells in non-technical terms of the whole range of living things adapting to cold, being killed or cured by cold, and of the many uses research has added, from blood banks to TV dinners, from artificial insemination to cryosurgery and prospects of human hibernation.

HIGH-ENERGY PHYSICS AND NUCLEAR STRUCTURE: Conference Proceedings, 1969—Samuel Devons, Ed.—Plenum Press, 1970, 859 p., diagrams, \$37.50. Papers deal with nuclear structure and electromagnetic interactions, electromagnetic and weak interaction probes, hadronic interactions, properties of pions and muons, and symmetry properties.

HOW TO REPAIR SOLID-STATE IMPORTS—Paul Lawrence—TAB Bks., 1970, 160 p., illus., 36-page schematic foldout section, \$7.95; paper, \$4.95. General information and diversified collection of 100 schematics covering currently popular imported brands.

HYPERTENSION: Causes, Consequences and Management—George Pickering—Churchill (Williams & Wilkins), 1970, 115 p., 47 illus., paper, \$6.50. Authoritative and brief summary of the outstanding facts of the behavior of arterial pressure, the consequences of hypertension, classification by kind and by degree, and assessment and management of the patient.

THE MEASUREMENT OF SENSATION: A Critique of Perceptual Psychophysics—C. Wade Savage—Univ. of Calif. Press, 1970, 578 p., \$15. Examines the nature of measurement and of the distinction between psychological and physical dimensions. Views psychophysical measurement as the acquisition of quantitative responses of stimuli measured by familiar physical procedures.

MEDICAL SCHOOLS FOR THE MODERN WORLD: Report of a Macy Conference—John Z. Bowers, Ed.—Johns Hopkins Press, 257 p., photographs, \$9. Case histories of new developments in medical education in countries ranging from Ghana, the Ivory Coast, Jamaica, Brazil to Turkey, India and the United States.

MOON ROCKS—Henry S. F. Cooper, Jr.—Dial Press, 1970, 197 p., photographs, \$5.95. Journal follows a group of scientists during the first months after the astronauts' boxes containing the first rock samples from the moon arrived at the Lunar Receiving Laboratory.

PLANARIAN REGENERATION—H. V. Bronsted—Pergamon Press, 1970, 276 p., illus., \$13.50. Comprehensive summary of the subject, covers many aspects affecting the entire domain of regeneration problems, as well as embryogenesis and morphogenesis in general.

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