

books OF THE WEEK

THE SOCIAL CONTRACT—Robert Ardrey—Atheneum, 1970, 405 p., \$10. If there's a name more likely than that of Konrad Lorenz to raise the hackles of a cultural anthropologist, it is Robert Ardrey's. Both the German animal psychologist and his American popularizer have gained worldwide attention for their emphasis on the animal roots of human social behavior and a

consequent deemphasis on the power of cultural and environmental conditioning—the opposite of the anthropologist's picture of man as first a cultural being and secondarily a member of the species *Homo sapiens*.

Ardrey's latest book—he has become a force in his own right—is broader in scope than his earlier ones, but it contains the same elements that gravel the

scientific soul: overused superlatives, sweeping generalizations and a dramatic and readable style that is the antithesis of the gloomy jargonese of the typical treatise. Nevertheless, the message is getting through—man is an animal. The controversy over instinct and culture will be long-lived, and "The Social Contract" is a highly entertaining element of it.

THE AMERICAN COLLEGE AND AMERICAN CULTURE: Socialization as a Function of Higher Education—Oscar Handlin and Mary F. Handlin—McGraw-Hill, 1970, 104 p., \$3.95. Essay written for the Carnegie Commission on Higher Education, describes the shifting, continuous changes of public opinion and the responses by the colleges over the past three centuries.

AMERICAN PLACE-NAMES: A Concise and Selective Dictionary for the Continental United States of America—George R. Stewart—Oxford Univ. Press, 1970, 550 p., \$12.50. Reference to some 12,000 names of places either well-known repeatedly used, or of unusual origin, from AB Mountain, Alaska, to Zybra, Oklahoma.

ANIMALS WITHOUT PARENTS—Marie M. Jenkins—Holiday House, 1970, 192 p., photographs, drawings, \$4.95. Describes many asexual animals and their reproduction, discusses regeneration of lost body parts, parthenogenesis and other experimental developments.

ANNUAL PROGRESS IN CHILD PSYCHIATRY AND CHILD DEVELOPMENT 1970—Stella Chess and Alexander Thomas, Eds.—Brunner/Mazel, 585 p., illus., \$15. Wide-ranging collection of important contributions in 11 areas of study, from behavior in infancy to clinical psychiatry.

BEHAVIOR THERAPY: Appraisal and Status—Cyril M. Franks, Ed.—McGraw-Hill, 1970, 730 p., \$15.50. Evaluation of significant contributions in the field of conditioned reflex therapy and new developments in behavior modification techniques, with an overview and general critique.

THE BRAIN: Towards an Understanding—C. U. M. Smith—Putnam, 1970, 392 p., plates, drawings, \$10. Semi-popular treatment of the results of scientific research in the field of neurobiology, topics covered range from membrane equilibria and ions to discussion of perception, memory, and consciousness.

THE CHILD IN HIS FAMILY—E. James Anthony and Cyrille Koupernik, Eds.—Wiley-Interscience, 1970, 492 p., \$12.50. First volume in a new series, International Yearbook for Child Psychiatry and Allied Disciplines, contains thematically arranged articles by 34 psychiatrists, psychologists and anthropologists.

THE COMPUTER SIMULATION OF BEHAVIOR—Michael J. Apter—Hutchinson (Hillary House Pubs.), 1970, 180 p., diagrams, \$5.25. A nontechnical introduction to computer modelling of psychological processes, and evaluation of the usefulness of the technique applied to problem solving.

EDUCATORS GUIDE TO FREE SCIENCE MATERIALS—Mary Horkheimer Saterstrom, Ed.; John W. Renner, Consultant—Educators Progress Service, 1970, 11th ed., 400 p., papers, \$9.25. Annotated listings of 1,937 free films, filmstrips, tapes, charts and printed materials from 259 sources, arranged by subject.

ENVIRONMENT AND HUMAN EFFICIENCY—E. C. Poulton—Thomas, C. C., 1970, 328 p., diagrams, \$15.50. Summarizes and interprets recent research on human performance under environmental stress, such as isolation, prolonged vigilance, simultaneous tasks, vibration, noise and old age.

THE FIGHT FOR QUIET—Theodore Berland—Prentice-Hall, 1970, 370 p., \$8.95. Brings together information from many sources in medicine, science, social studies and the law on how noise affects modern man and what can be done about it.

FUNDAMENTALS OF TRANSISTORS: A Tutor-Text Book—Paul Sanborn—Doubleday, 1970, 582 p., diagrams, \$8.95. Uses the self-teaching approach of "scrambled" instruction to teach the physical principles that make transistors possible, the operation of the major types of transistors, and some of the applications.

A HANDBOOK OF ALKALOIDS AND ALKALOID-CONTAINING PLANTS—Robert F. Raffauf—Wiley-Interscience, 1970, 1256 p., diagrams, \$50. A single source reference to the origin, distribution and properties of the known alkaloids; cross indexed tables give botanical source, names, molecular formulae and weights, structures and other physical data.

HORMONES AND THE ENVIRONMENT: Society for Endocrinology, Memoirs 18—G. K. Benson and J. F. Phillips, Eds.—Cambridge Univ. Press, 1970, 629 p., plates, illus., \$22.50. Symposium proceedings emphasize endocrine aspects of experimental biology in aquatic and terrestrial environments, dealing mostly with species other than the common laboratory animals.

THE INTERNATIONAL THESAURUS OF QUOTATIONS—Rhoda Thomas Tripp—Crowell, 1970, 1088 p., \$8.95; thumb-indexed, \$10. Modern reference to eloquent quotations adopting Roget's principles of classification. Comprehensive and precise, grouped by meaning, indexed by categories, key words and authors.

AN INTRODUCTION TO PHOTOBIOLOGY: The Influence of Light on Life—Yves Le Grand, transl. from French—Am. Elsevier Pub. Co., 1970, 178 p., diagrams, \$6.95. Outlines the light-matter intersection, techniques in photobiology, ultraviolet, photoreception in animals, visual pigments, visual responses, photoperiodicity and bioluminescence.

LSD, MARIHUANA, YOGA AND HYPNOSIS—Theodore Xenophon Barber—Aldine Pub. Co., 1970, 337 p., \$8.95. Concerned with the psychological and physiological effects of yoga, hypnosis, major and minor psychedelic drugs; treats each topic as continuous with other known psychological phenomena and as a part of social psychology, with major emphasis on clearly supported empirical data.

THE MODERN SIOUX: Social Systems and Reservation Culture—Ethel Nurge, Ed.—Univ. of Neb. Press, 1970, 352 p., \$12.50. Eleven studies on the Teton Dakota reservation culture, dealing with social changes and individuals in the social system.

RECENT ALUMNI AND HIGHER EDUCATION: A Survey of College Graduates—Joe L. Spaeth and Andrew M. Greeley, commentary by Theodore M. Hesburgh—McGraw-Hill, 1970, 199 p., tables, \$5.95. Sociological and statistical study of the reactions and attitudes of alumni of the class of 1961.

SELECTED LECTURES OF THE ROYAL SOCIETY, Vol. 3—J. Baddiley and others—Academic Press, 1970, 287 p., plates, diagrams, \$7.75. Major lectures range from Sir Edward Bullard's Bakerian Lecture on reversals of the earth's magnetic field to Sir Maurice Yonge's Review Lecture on living corals.


SYSTEMS PSYCHOLOGY—Kenyon B. De Green, Ed.—McGraw-Hill, 1970, 593 p., illus., \$18.50. Deals with human factors research and techniques, man's role as a constituent in complex systems, in acquiring and processing information, in decision making and in controlling systems.

THIS LITTLE PLANET—Michael Hamilton, Ed., introd. by Edmund S. Muskie—Scribner, 1970, 241 p., \$6.95. Informed and concerned essays by scientists and theologians exploring the possibilities for a contemporary ethic for conservation in response to the world's problems of pollution and scarcity.

TOWARD A SOCIAL REPORT—U.S. Dept. of Health, Education, and Welfare, introd. by Wilbur J. Cohen—Univ. of Mich. Press, 1970, 101 p., tables, \$5.95; paper, \$1.95. An experimental discussion of specific indicators and modes of analyzing indices that reflect the social state of the nation.

THE WORLD OF THE JAGUAR—Richard Perry—Taplinger, 1970, 168 p., plates, \$6.50. A study of the Jaguar's life habits in the environment of Amazon jungle, swamp and Argentine pampas, describes its relation to the puma, anaconda, tapir, peccary, ant-eater, caiman and howler monkey.

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