

books OF THE WEEK

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AGING IN MODERN SOCIETY—Alexander Simon and Leon J. Epstein, Eds.—Psychiatric Research Reports, A.P.A., 1968, 248 p., illus., paper, \$5. There are now more than 18 million persons in the U.S. aged 65 or over. This collection of papers reports on various aspects of the basic and clinical science, sociologic and behavioral science research that is related to the general field of aging.

ALL ABOUT TELESCOPES—Sam Brown—Edmund Scientific, 1967, 192 p., illus., \$6.75; paper, \$3. Copiously illustrated, explains to the amateur the parts of the telescope, star positions and observation hints, afocal and projection calculations, mirror grinding and telescope optics.

THE BATTERED CHILD—Ray E. Helfer and C. Henry Kempe, Eds.—Univ. of Chicago Press, 1968, 268 p., illus., \$12.50. Professionals present the problem of the severely battered child, its history, demographic characteristics, the medical, psychiatric, social and legal aspects.

CHEMICAL AND BIOLOGICAL WARFARE: America's Hidden Arsenal—Seymour M. Hersh—Bobbs-Merrill, 1968, 354 p., \$7.50. A documented discussion of U.S. policy, research, production and use of chemical agents, defoliants, herbicides and biologicals.

CLEMENT ADER: His Flight-Claims and His Place in History—Charles Harvard Gibbs-Smith—HMSO (Brit. Inform. Services, N.Y.), 1968, 214 p., illus., \$5.85. Study of a controversial figure in aviation history, authoritative account cites relevant documents showing how false claims came to be made and how they have been perpetuated.

THE COMMON SCENTS OF SMELL: How the Nose Knows and What It All Shows—Russell C. Erb—World Pub. Co., 1968, 142 p., \$4.95. Entertainingly written by organic chemist, presents facts about the science of smell, how we classify odors, why certain smells attract while others are objectionable.

CONTRARY IMAGINATIONS: A Psychological Study of the English Schoolboy—Liam Hudson—Penguin Bks., 1967, 205 p., paper, 95c. An examination in depth of two types of personality, the scientific "converger" and the artistic, imaginative "diverger," concluding that personality counts for as much as ability in the student's choice of subject.

DICTIONARY OF AMERICAN POLITICS—Eugene J. McCarthy—Penguin Bks., 1968, 196 p., illus., paper, \$1.25. Reprint (1962), provides students and layman with a convenient reference to understanding the language of American government and of American politics.

DISORDERED BEHAVIOR: Basic Concepts in Clinical Psychiatry—Eric Pfeiffer, M.D.—Oxford Univ. Press, 1968, 214 p., \$5.75. Attempts a new integration of various points of view with emphasis on core groups of signs and symptoms. Explains various kinds of psychotherapy as well as electrotherapeutic methods, along with the use of newest drugs and chemicals.

EASY GARDENING WITH DROUGHT-RESISTANT PLANTS—Arno and Irene Nehrling—Hearst Press, 1968, 320 p., photographs,

drawings by Virginia Howie, \$6.95. Tells how to prepare the soil, choose plants, plan and plant gardens that are easy on the water supply.

ELECTROSTATICS: Exploring, Controlling and Using Static Electricity—A. D. Moore—Doubleday, 1968, 240 p., plates, illus. by author, \$4.95. About the history, theory and practical uses of static electricity, describes investigations and suggests experiments.

EXPLANATION IN SOCIAL SCIENCE—Robert Brown—Aldine Pub. Co., 1968, 198 p., paper, \$2.95. Reprint (1963), systematic analysis of the nature of the explanations put forward by social scientists, and of the different types of explanation used.

FAMILIAR MEDICAL QUOTATIONS—Maurice B. Strauss, Ed.—Little, Brown, 1968, 968 p., \$15. Collection of more than 7,000 quotations, arranged by categories in chronological order, with alphabetical index of key words and author index.

FRANCE IN THE AGE OF THE SCIENTIFIC STATE—Robert Gilpin—Princeton Univ. Press, 1968, 474 p., \$12.50. Scholarly investigation of the change in relations between science and state in France in terms of social, political and economic factors, showing the incompatibility of the traditional European nation-state with the new role scientific technology is assuming in human affairs.

A GEOGRAPHY OF CHINA—T. R. Tregear—Aldine Pub. Co., 1968, 342 p., photographs, maps, paper, \$2.95. Reprint (1965), deals with the physical, historical, economic and regional aspects of Chinese geography and shows the interaction of geographical environment and human activity and institutions.

GEOLOGY SIMPLIFIED: A Programmed Review—Richard M. Pearl—Barnes & Noble, 1968, 89 p., illus., paper, \$2.25. For rapid self-testing to find out where more study is needed.

HOMOSEXUALITY—D. J. West—Aldine Pub. Co., 1968, 304 p., \$5.95. An up-to-date summarization of what is known through scientific investigations about the causes and manifestations of homosexuality.

HOW TO DESIGN ELECTRICAL SYSTEMS—Joseph F. McPartland and Editors of ELECTRICAL CONSTRUCTION AND MAINTENANCE—McGraw-Hill, 1968, 208 p., 290 diagrams, \$9.95. Manual on practical design and layout of electrical systems for power, light, heat, signals and communications in commercial, industrial and residential buildings.

HOW TO PASS HIGH SCHOOL EQUIVALENCY EXAMINATION—Francine Klagsbrun, Ed.—Coward Educ. Corp., 1967, 364 p., diagrams, paper, \$3.95. Lists state policies for the issuance of high school certificates, offers study program with practice test questions and answers in spelling, grammar, social studies, science, mathematics and graphic data.

HUMAN COLOR PERCEPTION: A Critical Study of the Experimental Foundation—Joseph J. Sheppard, Jr.—Am. Elsevier Pub. Co., 1968, 192 p., illus., \$10. Addressed to clinicians, scientists and engineers, the author offers an ordered discussion of experimental results selected from physics, physiology and psychology, in relation to the three distinct fields of colorimetry, visual biophysics and visual psychophysics.

INTERSTATE HIGHWAY MAINTENANCE REQUIREMENTS AND UNIT MAINTENANCE EXPENDITURE INDEX—Bertram D. Tallamy Associates—Highway Research Bd., NCHRP Report 42, 1967, 144 p., illus., paper, \$5.60. Provides guide for estimating the long-range maintenance requirements for large segments of the Interstate System and maintenance cost indexes that can be continuously updated.

MAN AND THE FUTURE—James E. Gunn, Ed.—Univ. of Kansas Press, 1968, 305 p., \$6.75. Seminar essays range from Loren C. Eiseley's "Man, Time and Prophecy" to Franklin D. Murphy's "The Changed and Changing University."

MERCHANTS OF HEROIN: An In-Depth Portrayal of Business in the Underworld—Alvin Moscow—Dial Press, 1968, 276 p., maps, \$5.95. With the cooperation of the Federal Bureau of Narcotics and the police forces of Turkey, Lebanon, France and England, the author gives a picture of the most lucrative racket of the under-

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MICROELECTRONIC PACKAGING: Interconnection and Assembly of Integrated Circuits—George Sideris—McGraw-Hill, 1968, 299 p., 262 illus., \$12.50. Articles discuss interconnections, such as multilayer printed circuits, with particular attention to the relationships between electrical design, physical design, materials choices and manufacturing methods. In addition, modular design, cooling methods, micro soldering and microwelding in assembly are covered.

PARTNERS IN SCIENCE—Alma Smith Payne—World Pub. Co., 1968, 224 p., photographs, illus. by Polly Bolian, \$3.95. Tells young people about outstanding teams of man and woman working together in eight different branches of science, as husband and wife, father and daughter, brother and sister.

SCIENCE, ART AND COMMUNICATION—John R. Pierce—Potter, C.N., 1968, 174 p., diagrams, \$6. Collection of communication scientist's essays on satellite communication, the social uses of science, forecasting and planning, and electronic compositions.

SCIENCE FICTION BY GASLIGHT: A History and Anthology of Science Fiction in the Popular Magazines, 1891-1911—Sam Moskowitz, Ed.—World Pub. Co., 1968, 364 p., illus., \$6.95. A critical survey of the popular magazines of an era and the role science fiction played in their success, including a selection of 26 stories.

SEALS OF THE WORLD—Gavin Maxwell—Houghton, 1968, 153 p., 42 photographs, \$6.95. A systematic reference work on the 32 known living species of seal, their distribution and population, appearance, habitat and habits, migration and reproduction.

SEE AMERICA FREE—Sallie Ann Robbins—Hearst Press, 1968, 272 p., photographs, \$4.95. A useful guide when planning trips for the whole family in any of the 50 states, offering a wide choice of things to do, from visiting a foreign embassy in Washington, D.C. to a tour of "bacon on the hoof" conducted by a retired farmer in Emmetsburg, Iowa.

SOCIAL THEORY AND SOCIAL INVENTION—Charles Frankel, Gunnar Myrdal and others, introd. by Herman D. Stein, Ed.—Press of Case Western Reserve Univ., 1968, 187 p., \$5.95. Essays with discussions, studying the impact, actual and potential, of the social sciences on the major problems of American society.

SPACE BOOK FOR YOUNG PEOPLE—Homer E. Newell—McGraw-Hill, 1968 3rd ed., 176 p., illus. by Anne Marie Jaus, \$4.95. A book designed to make it easier to visualize the earth and its position in the universe, the atmosphere, movements of moon, sun and stars, the distances and speeds involved.

STANDARD HANDBOOK FOR CIVIL ENGINEERS—Frederick S. Merritt, Ed.—McGraw-Hill, 1968, 1300 p., illus., \$27.50. Authoritative and practical treatment of each particular area geared to the nonspecialist in the field, with emphasis on fundamentals, information that should be valuable in making decisions, recommended construction practices and cost estimating.

STELLAR PHYSICS, Vol. I—Hong-Yee Chiu—Blaisdell Pub. Co., 1968, 550 p., illus., \$12.50. Gives a coherent and comprehensive account of stellar structure, stellar evolution and the relevant physical processes in stars, such as equilibrium of a star, quantum theory of stellar opacity, and nuclear reactions in stellar interiors.

THE STUDY OF MAN: An Introduction to Human Biology—E. J. Clegg—Am. Elsevier Pub. Co., 212 p., illus., \$4.75. A brief account for the general reader and student of genetics, the study of human variation, human growth and senescence, the evolution of man and his relation to his environment.

HANDBOOK OF KNOTS AND SPLICES

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