

books OF THE WEEK

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GUTS: The Form and Function of the Digestive System—John Morton—St. Martin's Press, 1967, 63 p., illus., paper, \$1.50. Deals with the alimentary canal of herbivores and omnivores, deposit feeders, carnivores, filter feeders and fluid feeders, linking the study on the one hand with ecology, on the other with biochemistry.

HANDBOOK OF LABORATORY SAFETY—Norman V. Steere, Ed.—Chemical Rubber Co., 1967, 568 p., illus., \$17.50. Useful information for preventing or controlling accidents, injuries, fires and losses in laboratories in educational institutions, hospitals, industry or elsewhere.

HANDBOOK OF PHYSICS—E. U. Condon and Hugh Odishaw, Eds.—McGraw-Hill, 1967, 2nd ed., 1626 p., diagrams, 64-page index, \$32.50. Prepared by a staff of specialists, this concise, critical survey of physics reflects latest findings, contains new material on theory of relativity, conduction of electricity in gases, superconductivity, magnetic resonance and nuclear physics.

HORIZON: Winter, 1968, Vol. X, No. 1—Joseph J. Thorndike, Ed.—Am. Heritage Pub. Co., 1968, 120 p., illus., \$5. Contains two articles on archaeology, about the body found in the Tollund peat bog, and the Minoan ring unearthed on Crete, as well as a fully illustrated article entitled "Joseph Needham and the Science of China" by Derek J. de Solla Price.

LECTURES ON QUANTUM STATISTICS, Vol. 1: Quantum Statistics—N. N. Bogoliubov, transl. from Ukrainian, rev. by author, ed. by L. Klein and S. Glass—Gordon & Breach, 1967, 242 p., \$12.50. Deals with basic concepts, with the method of second quantization, the theory of Bose-Einstein gas, and the theory of the polar model of metals.

LIQUID CRYSTALS: Proceedings of the International Conference held at Kent State University, 1965—Glenn H. Brown, C. J. Dienes and M. M. Labes, Eds.—Gordon & Breach, 1967, 486 p., illus., \$30. Papers range from the investigation of lipid-water systems by classical and N.M.R. methods, to paracrystals as models for liquid crystals.

THE MATHEMATICAL PRINCIPLES OF QUANTUM MECHANICS—Derek F. Lawden—Methuen (Barnes & Noble), 1967, 280 p., \$8. The subject is developed in a systematic and logical manner from a minimum set of axioms, intended to appeal to applied mathematicians and mathematical physicists for whom aesthetic considerations are not unimportant.

NEUROSCIENCES RESEARCH SYMPOSIUM SUMMARIES, Vol. 2: An Anthology from the Neurosciences Research Program Bulletin—Francis O. Schmitt and others, Eds.—M.I.T. Press, 1967, 642 p., illus., \$12. These rigorous and interdisciplinary summary reports review the state of the art of subjects fundamental to the

understanding of the physical bases of mind and memory.

NEW LIGHT ON JUVENILE DELINQUENCY—Ronald Steel, Ed.—Wilson Co., 1967, 221 p., \$3.50. Articles and excerpts from books discussing such topics as the affluent delinquent, teenage drinking, the tense generation, the adolescent ghetto, the delinquent and the law.

OPTICAL COHERENCE THEORY: Recent Developments—G. J. Troup—Methuen (Barnes & Noble), 1967, 76 p., \$3.75. Discusses in condensed form some of the new theoretical developments, with supporting experiments.

OTHER WORLDS THAN OURS—C. Maxwell Cade—Taplinger, 1967, 248 p., 23 plates, illus., \$4.95. Conceived as an introduction to the new science of exobiology, the author explores both scientifically and philosophically the notion of other worlds in the light of modern knowledge.

THE PARTICLE ATLAS: A Photomicrographic Reference for the Microscopical Identification of Particulate Substances—Walter C. McCrone and others—Ann Arbor Science Pubs., 1967, 406 p., 404 color photomicrographs, diagrams, CORRECTION: \$125; not \$12 as erroneously listed in SN 12/16/67.

PERSONALITY: Selected Readings—Richard S. Lazarus and Edward M. Opton, Jr.—Penguin Bks., 464 p., paper, \$1.95. A collection of 22 seminal articles and excerpts on theoretical and experimental work.

PETROLEUM PROCESSING HANDBOOK—William F. Bland and Robert L. Davidson, Eds.—McGraw-Hill, 1967, 1076 p., illus., \$37.50. Comprehensive, up-to-date and authoritative handbook covering in 14 sections the major aspects of modern petroleum refining.

PHOTOSYNTHESIS OF PRODUCTIVE SYSTEMS—A. A. Nichiporovich, Ed. transl. from Russian by N. Kaner; J. L. Monteith, Ed.—IPST (Daniel Davey, N.Y.), 1967, 182 p., diagrams, \$10.75. Topics range from the aims of research on the photosynthesis of plants as a factor in productivity, to a mathematical model of an aquatic ecological system.

THE POLITICAL BELIEFS OF AMERICANS: A Study of Public Opinion—Lloyd A. Free and Hadley Cantril—Rutgers Univ. Press, 1968, 239 p., tables, \$10. A study of American political beliefs, values and attitudes as regards not only national but international issues, based on a survey carried out by two Gallup polls during the 1964 Presidential campaign.

THE PRESENT STATUS AND FUTURE PROSPECTS OF REFERENCE/INFORMATION SERVICE—Winifred B. Linderman, Ed.—Am. Lib. Assn., 1967, 195 p., paper, \$3.75. Proceedings of 1966 conference discussing the spectrum of services offered, systems of reference/information service, sources, and information storage and retrieval systems.

PRIME: An Automated Information System for Hospitals and Biomedical Research Laboratories—Lee B. Lusted and Robert W. Coffin—Year Book Medical Pubs., 1967, 232 p., diagrams, paper, \$7.50. Intended as a kind of do-it-yourself manual for instituting a biomedical information management system for computer-oriented hospital and medical personnel.

THE PRINCIPLES OF CURRENT METHODS FOR THE STUDY OF ELECTRO-CHEMICAL REACTIONS—Boris B. Damaskin, transl. from Russian by Gleb Mamantov, Ed.—McGraw-Hill, 1967, 112., diagrams, paper, \$4.95. Presents the principles of potentiostatic, galvanostatic, coulometric and several a.c. methods used to study the kinetics of fast electrode processes.

PROSPECTS FOR PEACEKEEPING—Arthur M. Cox—Brookings, 1967, 178 p., \$3.95. Based on primary sources, including interviews with U.N. delegates and U.S. senior officials, the study provides background for more informed public discussion, and proposed guidelines for policy.

ROBOTS, MEN AND MIND: Psychology in the Modern World—Ludwig von Bertalanffy—Braziller, 1967, 150 p., \$5. Presents psychology as a

maturing interdisciplinary study of man, including biology, psychiatry, sociology, linguistics, economics, the arts, and seeks to define what is specific of human behavior in terms of man's symbolic activities.

STATISTICS MADE SIMPLE—H. T. Heyslett, Jr.—Doubleday, 1968, 192 p., diagrams, paper, \$1.95. A comprehensive course for self-study and review.

STUDIES IN RADIATION EFFECTS ON SOLIDS, Vol. II—G. J. Dienes, Ed.—Gordon & Breach, 1967, 306 p., plates, diagrams, ref. ed. \$19.50; prof. ed. \$12.50. Articles present authoritative and readable accounts on the effects of rate processes in alloys, the thermal decomposition of irradiated materials, and radiation effects in ceramic fuels.

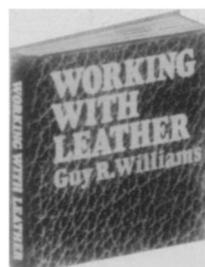
THUS LIFE BEGAN—Allan Broms—Doubleday, 1968, 326 p., drawings by Howard S. Friedman, \$5.95. The story of the physical-chemical origin and growth of life on earth, and of the men who helped to unravel its mystery.

UFO GUIDE: 1947-1967—Martin H. Sable—Rainbow Press Co., 1967, 100 p., paper, \$2.95. Contains international lists of books and magazine articles on UFO's, flying saucers, and about life on other planets; world-wide directories of flying saucer organizations, professional groups and research centers concerned with space research and astronautics; a partial list of sightings, and indexes.

THE WEATHER CHANGERS—D. S. Halacy, Jr.—Harper, 1968, 246 p., illus., \$6.95. About the history of rainmaking, modern attempts to modify weather, dangers of tampering with the weather, the law, and international implications.

YOUTH IN TRANSITION, Vol. I: Blueprint for a Longitudinal Study of Adolescent Boys—Jerald G. Bachman and others—IRS, Univ. of Mich., 1967, 269 p., diagrams, \$5; paper, \$3.50. Summarizes the first two years of a six-year nationwide study of high-school age boys, sponsored by the U.S. Office of Education.

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