

books OF THE WEEK

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HOLOGRAPHY: State of the Art Review 1969—Thomas Kallard, Ed.—Optosonic Press, 1969, 188 p., illus., paper, \$12. Reference volume includes the most recent advances in holography, describes 21 relevant U.S. and foreign patents in detail, bibliography contains more than 900 entries.

THE INVISIBLE GIANTS: Atoms, Nuclei and Radioisotopes—Vivian Grey—Little, Brown, 1969, 154 p., photographs, \$4.50. Describes the ways in which nuclear energy is used today, in power reactors on land and in submarines, radioisotope tracers in agriculture, industry and medicine, isotopes for measurement and power.

THE MAKING OF BLIND MEN: A Study of Adult Socialization—Robert A. Scott—Russell Sage Foundation, 1969, 145 p., \$6. A pioneering study undertaken to discover the processes by which people who have serious or total loss of vision learn to play the role of blind person, describing the effects upon blind people of the 800 agencies, organizations and programs for the blind in the U.S.

MARC MANUALS Used by the Library of Congress—Information Systems Office, Library of Congress—Am. Library Assn., 1969, 347 p., paper, \$7.50. Four-part volume intended to aid librarians and computer programmers in the use and transmission of Machine Readable Cataloging and bibliographic data on magnetic tape.

MORRIS FISHBAIN, M.D.: An Autobiography—Morris Fishbein—Doubleday, 1969, 505 p., 24 photographs, \$10. Lively memoirs of the former editor of the Journal of the American Medical Association, widely known as the articulate spokesman for the AMA's position.

MYSTERIOUS PLACES—Daniel Cohen—Dodd, 1969, 238 p., 23 plates, \$5.95. The author takes the reader "on an excursion into romantic geography," to legendary places such as Atlantis, Stonehenge, Zimbabwe, and the Olmec heartland, giving both background and controversial explanations.

NOISE AS A PUBLIC HEALTH HAZARD: Proceedings of Conference, 1968—W. Dixon Ward and James E. Fricke, Eds.—Am. Speech and Hearing Assn. (ASHA Reports No. 4), 1969, 384 p., diagrams, paper, \$5. Conference papers deal with effects of noise on man, industrial noise and the worker, noise in the community, special problems of recent technological development and community noise control.

THE OLMEC WORLD—Ignacio Bernal, transl. from Spanish by Doris Heyden and Fernando Horcasitas—Univ. of Calif. Press, 1969, 273 p., 43 drawings, 103 photographs, maps, \$12.50. A study of Mesoamerica, examines the archaeological evidence of the metropolitan Olmec area on the Gulf Coast, and traces the flowering and decline of the Olmecs through Olmec art, society and religious beliefs.

AN OUTLINE OF METALLURGY—Eric N. Simons—Hart Pub. Co., 1969, 285 p., diagrams, \$10. Deals with the essentials of metallurgy, covers iron and its manufacture, steels, their production processes, steel alloys, heat treatments, surface hardening processes, alloy steels, cold-working steels, non-ferrous alloys, and powder metallurgy.

PLANT CHIMERAS—W. Neilson-Jones—Methuen (Barnes & Noble), 1969, 2nd ed., 123 p., illus., \$4. Monograph deals with investigations on the structure and behavior of stem growing points and of periclinal chimeras, revealing versatility in behavior of the tissues of flowering plants and unexpected anomalies displayed by periclinal chimeras.

POPULATION GENETICS—W. J. Ewens—Methuen (Barnes & Noble), 1969, 147 p., \$5. Deals with the mathematical investigation of the changes in the genetic structure of populations brought about by selection, mutation, inbreeding, migration and other phenomena, together with those random changes deriving from chance events.

PRE-MED: The Foundation of a Medical Career—Douglas L. Lieberman, Ed.—McGraw-Hill, 1969, 268 p., \$4.95. Collection of articles discussing the undergraduate program, applications to medical school, being in medical school in U.S. and abroad, the various medical fields, and paramedical fields.

PROCEEDINGS OF THE SIXTH INTERNATIONAL CONFERENCE ON HIGH ENERGY ACCELERATORS 1967—M. S. Livingston, Chmn.; Robert A. Mack, Ed.—Cambridge Electron Accelerator (CEAL-2000, CFSTI), 1969, 604 p., illus., paper, \$9. Papers discuss the new accelerators, proton storage rings, linac instabilities, electron storage rings, proton-linac dynamics, superconducting projects, and synchrotrons.

THE PSYCHOLOGY OF COMMUNICATION—Daniel K. Stewart—Funk & Wagnalls, 1969, 201 p., diagrams, \$7.95. Deals with communication as an interdisciplinary enterprise and analyzes the nature of communication from signs and symbols used, to the psychological significance of surveys, statistics and media, to the measurement of meaning.

PUTTING DOWN ROOTS: Twenty-five Years of Celanese in Mexico—Richard W. Hall—Celanese Corp. (Vantage Press), 1969, 128 p. photographs by P. A. Sheldon-Moir, \$4.95. Case history of a successful venture in joint U.S.-Mexican business enterprise, told mainly in terms of the people involved.

REPLICATION OF DNA IN MICRO-ORGANISMS: Cold Spring Harbor Symposia on Quantitative Biology, Vol. 33—Leonora Frisch, Ed.—Cold Spring Harbor Lab. of Quantitative Biology, 1968, 884 p., illus., \$20. Papers deal with replication of nucleic acids, intermediates in DNA synthesis, repair of DNA, genetics of replications, origins of replication, bacterial mating, and replication of temperate viruses.

RUN, COMPUTER, RUN: The Mythology of Educational Innovation—Anthony G. Oettinger with Sema Marks—Harvard Univ. Press, 1969, 303 p., illus., \$5.95. Essay explores the uses and abuses, the promises and disillusionments experienced with the application of computer-aided instruction and related innovations in public school teaching.

THE SAGER WEATHERCASTER—Raymond M. Sager—October House, 1969, 25 p., illus., instrument dial, boxed, \$5.95. A useful tool for boaters in all locations north of latitude 25° north. Used with a barometer, its forecasts, computed for 5,000 variables, predict wind force and direction, temperature, cloud conditions and precipitation within a 30-mile radius.

SELECTIVE SERVICE AND AMERICAN SOCIETY—Roger W. Little, Ed.—Russell Sage Foundation, 1969, 220 p., \$7.50. An institutional analysis of the procurement of military manpower, its historical background, local board members, board decision-making, the Negro and the draft, military service and occupational mobility.

A SHORT HISTORY OF SCIENCE—J. G. Crowther—Methuen (Barnes & Noble), 1969, 230 p., illus., \$5. Deals with science through the ages as one of man's major responses to his experience of living.

SOCIAL WORK WITH GROUPS—Helen Northen—Columbia Univ. Press, 1969, 270 p., \$7.50. Deals with the theory that underlies the method and procedures whereby social workers help persons through the medium of specially designed groups, with emphasis on the social worker's role in influencing movement toward mutually determined goals.

SPRING FLORA OF MINNESOTA Including Common Cultivated Plants—Thomas Morley—Univ. of Minn. Press, 1969, 283 p., illus., maps, \$7.75. Botanical manual, describes 662 species of native plants and 194 cultivated plants which bloom between mid-March and early June, gives keys for families, genera and species, and brief account of each species and habitat.

THE STATE OF SIEGE—C. P. Snow—Scribner, 1969, 50 p., \$2.95. The John Findley Green Foundation Lecture presented at Westminster College in 1968, defines the general uneasiness about the future in responsible men's minds—a concern for peace, food and no more people than the earth can take.

THE TEACHING OF SCIENCE: Education, Science and Society—F. R. Jevons—Allen & Unwin, 1969, 208 p., \$6.60. Assesses the task of teaching science by considering the nature of the scientific process, the social implications and the demand for specialization, and suggests criteria for reform.

TECHNOLOGY, ENGINEERING AND ECONOMICS—Philip Sporn—MIT Press, 1969, 148 p.,

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\$7.95. Lectures cover a wide spectrum ranging from science and technology to financial management and public administration as reflected in the author's experience in the power industry.

TROUBLESHOOTING THE SOLID-STATE CHASSIS—Homer L. Davidson—TAB Bks., 1969, 256 p., illus., \$7.95; paper, \$4.95. A practical manual with case histories and troubleshooting charts detailing specific procedures for servicing transistorized devices.

UNEXPLORED MODEL SYSTEMS IN MODERN BIOLOGY—Robert M. Friedenberg—Hafner Pub. Co., 1968, 98 p., diagrams, \$7.50. Directed to the non-specialist scientific worker, the purpose of the book is to explore new ideas and new concepts for biological model systems, in the context of exobiology studies and in terms of the concepts of long-range forces.

VIOLENT MEN: An Inquiry into the Psychology of Violence—Hans Toch, foreword by J. Douglas Grant—Aldine Pub. Co., 1969, 268 p., \$7.50. Report on a study group effort investigating violence in the context of tavern and school rooms, prison cells and living rooms, felons and police officers, brawls and riots, focusing on the chain of human interactions and reactions.

WATER SUPPLY: Economics, Technology and Policy—Jack Hirschleifer, James C. DeHaven and Jerome W. Milliman—Univ. of Chicago Press, 1969, 386 p., diagrams, maps, \$10. Initial studies were completed by the Rand Corporation in 1960. This volume has new postscript taking a second look at water development in two major case-study areas, New York and Southern California.

WHAT WOOD IS THAT? A Manual of Wood Identification—Herbert L. Edlin—Viking Press, 1969, 160 p., illus., 40 actual wood samples, \$7.95. Outlines wood structure and formation, timber treatment and veneers, gives keys for naming timbers, and describes 40 trees and their timbers.

FIX CLOCKS, WATCHES—

FOR FUN & PROFIT! Fascinating new Handbook by master craftsman H. Harris gives you the knowledge & skilled watchmakers learn. OVER 200 ILLUSTRATIONS show how to install hands, dials, crystals, mainsprings, stems . . . rehouse old movements in modern cases . . . clean timepieces, etc. INSTRUCTIONS COVER every popular watch and clock, chimes, grandfather, cuckoo, everyday alarm and electric clocks. Handbook tells you where to buy parts . . . where to send "overflow" work for repairs at wholesale prices as business expands! Friends gladly pay \$5 to \$50 for restoring cherished timepieces. Try the HANDBOOK OF WATCH AND CLOCK REPAIRS seven days! Rush only \$4.95, on money-back guarantee.

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