

books OF THE WEEK

CONCISE ENCYCLOPEDIA OF EXPLORATIONS—Jean Riverain, introd. by Sir Vivian Fuchs—Follett, 1970, 279 p., illus., maps, paper, \$2.95. Alphabetically arranged entries give explanations of achievements and discoveries, and of the fundamental principles and theories involved.

DEFENSE AGAINST FAMINE: The Role of the Fertilizer Industry—A. V. Slack—Doubleday, 1970, 232 p., diagrams, \$5.95; paper, \$1.95. Sponsored by the Manufacturing Chemists' Association, the book discusses plant nutrition, gives short history of the fertilizer industry, and discusses the role of nitrogen, phosphates, potash and mixed fertilizers.

DICTIONARY OF SCIENTIFIC BIOGRAPHY, Vol. I: Pierre Abelard—L. S. Berg. Vol. II: Hans Berger—Christoph Buys Ballot—Charles Coulston Gillespie, Ed.-in-Chief—Scribner, 1970, 624 p., \$35 each. Edited under the auspices of the American Council of Learned Societies this major new dictionary will cover by 1975 in 13 volumes the work of scientists, from antiquity to modern times, in the fields of mathematics, astronomy, physics, chemistry, biology and earth sciences. Coverage is worldwide, exclusive of living scientists, articles are based on original research and written by professional historians of science.

DOLLARS FOR RESEARCH: Science and Its Patrons in Nineteenth-Century America—Howard S. Miller—Univ. of Wash. Press, 1970, 258 p., \$9.50. Deals with the logistical problems obstructing scientific research in the 19th century and with the men who helped solve them.

ELECTRONIC TEST & MEASUREMENT HANDBOOK—John J. Schultz—TAB Bks., 1970, 224 p., illus., \$7.95; paper, \$4.95. Practical electronic troubleshooting procedures based on tested measurement techniques.

THE ENVIRONMENTAL CRISIS: Man's Struggle to Live with Himself—Harold W. Helfrich, Jr., Ed.—Yale Univ. Press, 1970, 187 p., paper, \$1.95. Papers by authorities in the fields of science, law, regional plan-

ning, economics and government focus attention on critical environmental issues.

FLOWERING PLANTS: Lilies to Orchids. Flowering Rush to Rushes—Robert H. Mohlenbrock—Southern Ill. Univ. Press, 1970, 288 p., 272 p., illus., \$10 each. First two in new multi-volume series which will deal with the flowering plants of Illinois, intended for amateur as well as the professional botanist.

THE FUTURE OF INEQUALITY—S. M. Miller and Pamela A. Roby—Basic Bks., 1970, 272 p., \$7.95. Brings together in a succinct statement data on social stratification, including besides income deficiency consideration of basic services, education and social mobility, political participation and social status.

GONDWANA STRATIGRAPHY: IUGS Symposium, Buenos Aires, 1-15 Oct. 1967—Arturo J. Amos, Ed.—UNESCO (Unipub, N.Y.), 1970, 1,173 p., illus., paper, \$16. Papers and abstracts on Gondwana stratigraphy and paleontology, with field observations by specialists from different continents.

A HISTORY OF THE AFRICAN PEOPLE—Robert W. July—Scribner, 1970, 650 p., 61 photographs, maps, \$15. Primarily a history of black Africa, with North Africa treated chiefly in terms of its relations with the great sub-Saharan continent. Emphasis is on the last century and a half as it gives meaning to the social and political events of present Africa.

HUNTING FOR DINOSAURS—Zofia Kielan-Jaworowska, transl. from Polish—MIT Press, 1970, 177 p., photographs, illus., \$7.95. Describes preparations for, the actual work and the fossil finds of a joint, three-year Polish-Mongolian paleontological expedition to the Gobi Desert in 1962-1965.

THE LIFE AND DECLINE OF THE AMERICAN RAILROAD—John F. Stover—Oxford Univ. Press, 1970, 324 p., photographs, maps, \$7.50. A comprehensive, balanced record of the rise and fall of the American railroad, with thorough review of current railroad developments.

THE MAKING OF AN EX-ASTRONAUT—Brian O'Leary—Houghton Mifflin, 1970, 243 p., photographs, \$5.95. Frank personal story, tells about the selection process and examinations, the ground training, NASA environment, the making and dropping out of an astronaut.

THE MECHANISM OF PROTEIN SYNTHESIS: Cold Spring Harbor Symposia on Quantitative Biology, Vol. XXXIV—C. P. Zamecnik and others—Cold Spring Harbor Lab., 1970, 855 p., illus., \$22. Collection of 90 articles and discussions on ribosome structure, structure and binding of tRNA, ribosome cycling, initiation, translocation, termination, and translation of mRNA.

MY WORLD LINE: An Informal Autobiography—George Gamow, foreword by Stanislaw M. Ulam—Viking Press, 1970, 178 p., photographs, \$5.95. Reminiscences from early childhood to his arrival in the U.S. in 1934, by the theoretical physicist and late author of many popular science books.

THE NATIONAL FACULTY DIRECTORY 1970—Gale Research, 1970, 1,694 p., \$58.50; paper, \$47.50. An alphabetical list, with addresses, of 320,000 faculty members at U.S. junior colleges, colleges

and universities, including administrative executives.

PENICILLIN ALLERGY: Clinical and Immunologic Aspects—Gordon T. Stewart and John P. McGovern, Eds.—Thomas, C. C., 1970, 196 p., diagrams, \$10.50. Up-to-date review of research aspects and clinical studies, from immunology of penicillin to antibiotic therapy in patients with a history of penicillin allergy.

REPORT FROM WASTELAND: America's Military-Industrial Complex—Senator William Proxmire, foreword by Senator Paul H. Douglas—Praeger, 1970, 248 p., \$6.95. Tells the essence of what the hearings of the Subcommittee on Economy in Government of the Joint Economic Committee disclosed about defense contracts and Pentagon sponsors.

REVENUE-SHARING: Crutch or Catalyst for State and Local Governments?—Henry S. Reuss, foreword by Hubert H. Humphrey—Praeger, 1970, 170 p., charts, \$6.50. Explains to the citizen the concept of revenue-sharing now before Congress, a proposal to use federal tax funds as a catalyst to bring about government reforms and improvements at the state and local levels.

THE REVOLUTION IN ASTRONOMY—Paul W. Hodge—Holiday House, 1970, 189 p., photographs, illus., \$4.95. Gives the young adult an overview of the new kinds of stars, new concepts, new tools, observatories and methods that have expanded our understanding of astronomy.

SOCIETY WITHOUT THE FATHER: A Contribution to Social Psychology—Alexander Mitscherlich, transl. from German by Eric Mosbacher—Schocken Bks., 1970, 329 p., paper, \$2.95. Originally published in 1963, the book analyzes modern mass society in which paternal and paternalistic authority has broken down under the impact of industrial and urban trends.

THERMAL INSULATION IN CRYOGENIC ENGINEERING—M. G. Kaganer, transl. from Russian by A. Moscona—I.P.S.T. (Davey, Daniel), 1970, 220 p., diagrams, \$11. Correlates data, summarizes experimental findings, and gives a theoretical analysis of some of the laws of heat exchange in cryogenic insulation.

TOWARD A NATIONAL URBAN POLICY—Daniel P. Moynihan, Ed.—Basic Bks., 1970, 348 p., \$7.95. An evaluation by 24 leading experts of what can be done to cope with the problems of the modern city, from housing to transportation and from crime to education.

TOWARD AN INDUSTRIAL GERONTOLOGY: An Introduction to a New Field of Applied Research and Service—Harold L. Sheppard, Ed.—Schenkman Pub. Co., 1970, 165 p., \$7.95. A study of the employment and retirement problems of middle-aged and older workers.

THE WORLDS OF ANTS, BEES AND WASPS—Brian Vesey-FitzGerald—Transatlantic Arts, 1969, 117 p., photographs, \$6.25. Written by observant amateur, conveys his absorbing interest in the study of the world of social insects.

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