

quate professional manual nor an easily grasped nonprofessional survey.

The *Atlas de Paléogéographie* has been issued as a sort of supplement to *Paléontologie Stratigraphique*. It consists essentially of the series of 35 paleobiogeographic world maps originally published in 1952 in the authors' *Traité*, with a new summary verbal description of each map. Many geologists will welcome the opportunity to obtain these maps in convenient and less expensive form. Nevertheless, it does seem fair to criticize the intention, not so much of these particular authors as of this whole approach toward teaching historical geology. In the present state of this science, an attempt to draw a conventional geographic map for any considerable part of the world during a remote geological epoch often involves quite as much fantasy as fact. For a world map, even the most fundamental points of geographic coordinates for crustal segments are still hotly disputed. Would it not be better to present to students (and to popular readers) a consensus of actual knowledge and reasonable inference? The sort of thing that could be done without going beyond the facts and their scientifically established integration is suggested by the sets of paleotectonic maps published by the U.S. Geological Survey. Apart from the general weakness of the conventional geographic approach, for which the Termiers have abundant precedent, their attempt to include biogeographic data is unfortunate. What is, and very likely all that could be, shown in this format is so inadequate and so erratic as to be more misleading than instructive.

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New Books

Economics and the Social Sciences

Community Resources in Mental Health. Reginald Robinson, David F. DeMarche, and Mildred K. Wagle. Basic Books, New York, 1960. 461 pp. \$8.50. The fifth of a series of monographs to be published by the Joint Commission on Mental Illness and Health.

Crossroads. Land and life in Southwest Asia. George B. Cressey. Lippincott, Philadelphia, 1960. 607 pp. Illus. \$12. A comprehensive geography of the area, written around three principal ideas—the crossroads character of Southwest Asia, the role of water in its economy, and the way in which man is changing the landscape.

Culture in History. Essays in honor of

Paul Radin. Stanley Diamond, Ed. Published for Brandeis Univ. Press by Columbia Univ. Press, New York, 1960. 1038 pp. \$15.

Demographic and Economic Change in Developed Countries. A conference of the Universities—National Bureau Committee for Economic Research. Princeton Univ. Press, Princeton, N.J., 1960. 545 pp. \$12.

Education and Manpower. Henry David, Ed. Columbia Univ. Press, New York, 1960. 342 pp. \$5.

An Introduction to Physical Anthropology. M. F. Ashley Montagu. Thomas, Springfield, Ill., ed. 3, 1960. 787 pp. Illus. \$14.50.

Methods of Regional Analysis. An introduction to regional science. Walter Isard. Technology Press, and Wiley, New York, 1960. 813 pp. Illus. \$9.50.

Political Science. A philosophical analysis. Vernon Van Dyke. Stanford Univ. Press, Stanford, Calif. 1960. 250 pp. \$5.

The Preindustrial City. Past and present. Gideon Sjoberg. Free Press, Glencoe, Ill., 1960. 365 pp. \$6.75.

Social Systems. Essays on their persistence and change. Charles P. Loomis. Van Nostrand, Princeton, N.J., 1960. 360 pp. \$6.50.

The Soviet Cultural Offensive. The role of cultural diplomacy in Soviet foreign policy. Frederick C. Barghoorn. Princeton Univ. Press, Princeton, N.J., 1960. 360 pp. \$7.50.

On Thermonuclear War. Herman Kahn. Princeton Univ. Press, Princeton, N.J., 1960. 671 pp. \$10.

Values, Ethics, and Esthetics. A selected bibliography. Ethel M. Albert and Clyde Kluckhohn. Free Press, Glencoe, Ill., 1960. 360 pp. \$7.50.

Mathematics, Physical Sciences, and Engineering

Analog and Digital Computer Technology. Norman R. Scott. McGraw-Hill, New York, 1960. 533 pp. Illus. \$12.75.

Annual Review of Physical Chemistry. vol. 11. Henry Eyring, Ed. Annual Reviews, Palo Alto, Calif., 1960. 595 pp. \$7.

Controlled Thermonuclear Reactions. An introduction to theory and experiment. Samuel Glasstone and Ralph H. Lovberg. Van Nostrand, Princeton, N.J., 1960. 539 pp. Illus. \$5.60. This volume was prepared under the auspices of the Office of Technical Information, U.S. Atomic Energy Commission.

Crystal-Structure Analysis. Martin J. Buerger. Wiley, New York, 1960. 685 pp. Illus. \$18.50.

Edison Experiments You Can Do. Based on the original notebooks of Thomas Alva Edison. Prepared under the direction of International Edison Birthday Celebration Committee of the Thomas Alva Edison Foundation. Harper, New York, 1960. 139 pp. Illus. \$2.50.

Elektronenbeugung. Theorie, Praxis und industrielle Anwendungen. Ernst Bauer. Moderne Industrie, Munchen, Germany, 1960. 233 pp. DM. 32.

Elementary Introduction to Nuclear Reactor Physics. S. E. Liverhant. Wiley, New York, 1960. 461 pp. Illus. \$9.75.

Essentials of Earth History. An introduction to historical geology. William

Lee Stokes. Prentice-Hall, New York, 1960. 512 pp. Illus. \$8.75.

Fuel Cells. G. J. Young. Reinhold, New York; Chapman and Hall, London, 1960. 159 pp. Illus. \$5.75. A symposium held by the Gas and Fuel Division of the American Chemical Society at the 136th national meeting.

Fundamentals of Signal Theory. John L. Stewart. McGraw-Hill, New York, 1960. 359 pp. Illus. \$9.

Hydrodynamics of Oceans and Atmospheres. Carl Eckart. Pergamon, New York, 1960. 302 pp. Illus. \$9.

Imperfections in Crystals. H. G. Van Bueren. North-Holland, Amsterdam; Interscience, New York, 1960. 694 pp. Illus. \$16.75.

Introduction to Laplace Transforms. For radio and electronic engineers. W. D. Day. Iliffe, London; Interscience, New York, 1960. 190 pp. Illus. \$5.50.

Lehrbuch der Theoretischen Physik. Georg Joos. Akademische Verlagsgesellschaft, Frankfurt am Main, Germany, 1959. 859 pp.

Noise Reduction. Prepared for a special summer program at the Massachusetts Institute of Technology. Leon L. Beranek, Ed. McGraw-Hill, New York, 1960. 762 pp. Illus. \$14.50.

Physical Chemistry of Surfaces. Arthur W. Adamson. Interscience, New York, 1960. 643 pp. \$12.75.

Principles of Control Systems Engineering. Vincent Del Toro and Sydney R. Parker. McGraw-Hill, New York, 1960. 700 pp. Illus. \$14.50.

Reactor Analysis. Robert V. Meghreblian and David K. Holmes. McGraw-Hill, New York, 1960. 817 pp. Illus. \$19.50.

Runnerless Molding. Ernest P. Moslo. Reinhold, New York; Chapman and Hall, London, 1960. 174 pp. Illus. \$4.95.

Soviet Research in Geophysics. vol. 4, *Investigation of the Mechanism of Earthquakes* (English translation). E. N. Bessonova et al. American Geophysical Union and Consultants Bureau, New York, 1960. 209 pp. \$7.50.

The Space Encyclopaedia. A guide to astronomy and space research. Dutton, New York, ed. 2, 1960. 288 pp.

Space Research. Proceedings of the first international space science symposium. Hilde Kallmann Bijl, Ed. North-Holland, Amsterdam; Interscience, New York, 1960. 1211 pp. Illus. \$24. This volume contains approximately 100 papers and constitutes the proceedings of a symposium held at Nice in January 1960. The papers are concentrated on the results achieved in the 2 years since the first sputnik was launched.

Stabilization of Free Radicals at Low Temperature. Summary of the NBS program. Arnold M. Bass and H. P. Broida, Eds. National Bureau of Standards, Washington, D.C., 1960 (order from Supt. of Documents, GPO, Washington 25). 114 pp. \$1.50.

Source Book of Astronomy. 1900–1950. Harlow Shapley, Ed. Harvard Univ. Press, Cambridge, Mass., 1960. 438 pp. Illus. \$10.

Water Supply. Economics, technology, and policy. Jack Hirschleifer, James C. De Haven, and Jerome W. Milliman. Univ. of Chicago Press, Chicago, Ill., 1960. 390 pp. Illus. \$7.50.