

and a lucid survey of factors which control enzyme activity (by A. B. Pardee).

It is a remarkable achievement to have produced an encyclopedic work which bridges many disciplines in such a critical yet well-balanced manner. This excellent book is surely destined to become one of the classics of biochemistry.

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**Dairy Handbook and Dictionary.** J. H. Frandsen, Ed. The editor, Amherst, Mass., 1958. x + 843 pp. Illus. \$10.50.

The first section (about one-third of the *Handbook*) is a compilation by some 50 authors of standards, techniques, and procedures commonly employed in the production, processing, and marketing of milk and dairy products. The second section contains physical and chemical constants, production and marketing statistics, a listing of dairy organizations and publications, and a variety of other fundamental facts associated with the industry.

The last half of the book contains a rather complete alphabetical listing of words and terms associated with all phases of the dairy industry. Definitions and expository material are provided. This book is the most complete American work of its kind on dairying.

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## New Books

*Aspects of the Organic Chemistry of Sulphur.* Frederick Challenger. Academic Press, New York; Butterworths, London, 1959. 260 pp. 7.50.

*The Biochemistry of Clinical Medicine.* William S. Hoffman. Year Book, Chicago, Ill., ed. 2, 1959. 775 pp. \$12.

*Breakdown and Recovery.* Eli Ginzberg, John B. Miner, James K. Anderson, Sol W. Ginsburg, John L. Herma. Columbia Univ. Press, New York, 1959. 301 pp. \$6.

*The Cell.* Biochemistry, physiology, morphology. vol. 1. Jean Brachet and Alfred E. Mirsky, Eds. Academic Press, New York, 1959. 837 pp. \$22.

*Comparative Anatomy.* William Montagna. Wiley, New York; Chapman & Hall, London, 1959. 409 pp. \$6.

*A Concise Encyclopedia of World Timbers.* F. H. Titmuss. Philosophical Library, New York, ed. 2, 1959. 300 pp. \$15. The *Encyclopedia* describes the structure, characteristics, and uses of nearly 200 different kinds of timbers originating in every part of the world.

*Organic Syntheses.* An annual publication of satisfactory methods for the preparation of organic chemicals. vol. 38. John C. Sheehan, Ed. Wiley, New York; Chapman & Hall, London, 1958. 127 pp. \$4.

*Our Earth.* The properties of our planet, how they were discovered, and how they came into being. Arthur Beiser. Dutton, New York, 1959. 123 pp. \$2.95.

*Perspectives in Virology.* A symposium. Morris Pollard, Ed. Wiley, New York; Chapman & Hall, London, 1959. 331 pp. \$7.

*The Physics of Intermediate Spectrum Reactors.* J. R. Stehn. Div. of Reactor Development, U.S. Atomic Energy Commission, Washington, D.C., 1958. 38 sections.

*The Physiopathology of Cancer.* Freddy Homburger, Ed. Hoeber-Harper, New York, ed. 2, 1959. 1199 pp. \$33.

*Präparative Organische Photochemie.* Alexander Schönberg. Springer, Berlin, 1958. 286 pp.

*Proceedings of the International Symposium on Enzyme Chemistry.* Organized by the Science Council of Japan under the auspices of the International Union of Biochemistry. Compiled by the Organizing Committee, International Symposium on Enzyme Chemistry. Maruzen Co., P.O. Box 605, Tokyo Central, Tokyo, Japan, 1958. 541 pp.

*Progress Chemistry.* vol. 2. F. R. Bruce, J. M. Fletcher, H. H. Hyman. Pergamon, New York, 1958. 588 pp. \$17.50.

*Sixth Scintillation Counter Symposium, Proceedings.* IRE Trans. on Nuclear Science, vol. NS-5, No. 3. Inst. of Radio Engineers, New York 21, 1959. 221 pp. \$7.50; members, \$3.50.

*Soviet Space Science.* Ari Shternfeld. Translated from the Russian by the Technical Documents Liaison Office, Wright Patterson Air Force Base, Ohio. Basic Books, New York, rev. ed. 2, 1959. 383 pp. \$6.

*Stars Upstream.* Life along an Ozark river. Leonard Hall. Univ. of Chicago Press, Chicago, Ill., 1959. 263 pp. \$3.95.

*Storia della vita sulla Terra.* L'evoluzione degli animali e delle piante. Emanuele Padoa. Feltrinelli, Milan, Italy, 1959. 338 pp.

*Syria.* A short history. Philip K. Hitti. Macmillan, New York, 1959. 280 pp. \$4.50.

*Théorie des graphes et ses applications.* Claude Berge. Dunod, Paris, 1958. 285 pp. F. 3400.

*Traité de biochimie générale.* vol. I, pts. 1 and 2, *Composition chimique des organismes.* P. Boulanger and J. Polonovski. Masson, Paris, 1959. 2 vols., 1476 pp. Paper, F. 22,000; cloth, F. 24,500.

*The Unconscious in History.* A. Bronson Feldman. Philosophical Library, New York, 1959. 269 pp. \$4.75.

*Wandlungen in den Grundlagen der Naturwissenschaft.* Werner Heisenberg. S. Hirzel, Stuttgart, Germany, 1959. 183 pp.

*Water Witching U.S.A.* Evon Z. Vogt and Ray Hyman. Univ. of Chicago Press, Chicago, Ill., 1959. 259 pp. \$4.95.

*Welding of Plastics.* J. Alex Neumann and Frank J. Bockhoff. Reinhold, New York; Chapman & Hall, London, 1959. 287 pp. \$7.25.

## Miscellaneous Publications

(Inquiries concerning these publications should be addressed not to Science, but to the publisher or agency sponsoring the publication.)

*Physical and Chemical Properties of Sea Water, Conference on.* Easton, Maryland, 4-5 September 1958. Publ. 600. Natl. Acad. of Sciences-National Research Council, Washington, D.C., 1959. 211 pp. \$2.

*Proceedings of the Fifth Annual Computer Applications Symposium.* 29-30 October 1958. Armour Research Foundation of Illinois Inst. of Technology, Chicago, 1959. 163 pp. \$3.

*Proceedings of the Royal Institution of Great Britain.* vol. 37 pt. II, No. 166. Containing accounts of the Friday evening discourses and other meetings. Royal Institution of Great Britain, London, W. 1, 1958. 100 pp. 8s. 6d.

*Report on Social Psychiatry.* A therapeutic community at the U.S. Naval Hospital, Oakland, California. Harry A. Wilmer. Research Rept. NM 73 03 00.01.01. Naval Medical Research Inst., Bethesda, Md., 1958. 74 pp.

*Research on Novocain Therapy in Old Age.* A collection of seven papers from *Die Therapiewoche, 1956-1957.* Anna Aslan, C. M. Burger, F. H. Shulz, U. Kohler, E. Mampel. Consultants Bureau, New York, 1959. 78 pp. \$12.50.

*The Rotor Flow in the Lee of Mountains.* GRD Research Notes No. 6. ASTIA Document No. AD 208862. Joachim Kuettner. 1959. 21 pp. *The Effect of Sampler Spacing on Basic Analyses of Concentration Data.* GRD Research Notes No. 7. ASTIA Document No. AD 208864. Duane A. Haugen. 1959. 13 pp. *A Numerical Investigation of the Barotropic Development of Eddies.* Geophysical Research Papers, No. 61. ASTIA Documents No. AD 209171. Manfred M. Holl. 1958. 102 pp. Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass. (order from U.S. Dept. of Commerce Armed Services Technical Information Agency, Arlington Hall Station, Arlington 12, Va.).

*Serological and Biochemical Comparisons of Proteins.* William H. Cole, Ed. Rutgers Univ. Press, New Brunswick, N.J., 1958. 130 pp. \$2.

*Smithsonian Institution, Report of the Secretary and Financial Report of the Executive Committee of the Board of Regents.* Publ. 4345. 242 pp. *The United States National Museum, Annual Report for the Year ended June 30, 1958.* 150 pp. Smithsonian Institution, Washington, D.C., 1959 (order from Supt. of Documents, GPO, Washington 25).

*Three New Serranid Fishes, Genus Pikea, from the Western Atlantic.* Leonard P. Schultz. Proceedings of the U.S. National Museum, vol. 108. Leonard P. Schultz. Smithsonian Institution, Washington 25, 1959. 9 pp.

*Working Abroad.* A discussion of psychological attitudes and adaptation in new situations. Rept. No. 41. Committee on International Relations. Group for the Advancement of Psychiatry, 104 E. 25 St., New York 10, 1959. 38 pp. \$0.50.