

and 7d. The first is a superficial discussion of methodology in general and of the homopolysaccharides in particular. No references are given in the text, although a bibliography appears at the end. The latter chapter is replete with literature references, and great detail is given with respect to the properties and structures of the substances involved. For another example, one can refer to the unreasonable amount of space devoted to the ascorbic acids in chapter 1 (10 pages) and the completely inadequate treatment of the cyclitols in chapter 8 (6 pages).

One has to conclude that the contributors to this volume did not have a common goal in mind, and that the editors did not succeed in imposing one. As one might expect of a 327-page book that sells for \$14.50, it has a slick, professional appearance. It will serve quite well to fill the gap between volumes 4 and 6 in this series.

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Hunt Facsimile Series

Sertum Anglicum (Facsimile with critical studies). Charles-Louis L'Héritier de Brutelle. George H. M. Lawrence, Ed. Hunt Botanical Library, Pittsburgh, Pa., 1963. xcvi + 37 + xi pp. \$10.

L'Héritier is not well known even among botanists, undoubtedly because of the scarcity of his works, but this may be altered by this facsimile printing of 2000 copies of his *Sertum Anglicum*, which had been known only from 35 complete copies. Ironically, Redouté, whose career as botanical artist was set off by L'Héritier, graces bedrooms today wherever *House and Garden* awaits the reader on the porch. *Sertum Anglicum* is a "wreath" of 125 plants, mostly seen by L'Héritier in English stoves and gardens when he visited Banks and his coterie during 1786 and 1787. He had planned a prodrome toward a Peru-Chilean flora, based on Joseph Dombey's collections. He did not complete the prodrome, but Dombey's discoveries constituted one of the nine sources of the *Sertum*, which included plants found in Paris gardens, Masson's South African novelties, plants of the South Pacific, and others. Of 35 species illustrated in the *Sertum*, 31 appeared for the first time, mostly the

work of Redouté and Sowerby, and 7 have not again been illustrated.

L'Héritier's resources included a botanical library second in Europe only to Sir Joseph Banks's, a personal fortune, and leisure. Even before his death by assassination in 1800, the French Revolution had destroyed L'Héritier's grand designs.

This facsimile, printed in Holland, initiates the Hunt Botanical Library series, and it is augmented by four introductions. Stafleu (Utrecht) has written on L'Héritier's life and works; Gilmour, King, and Williams (Cambridge and London), on the horticulture of the *Sertum*; Blunt, the author of *The Art of Botanical Illustration*, on his favorite subject; and there is a translation of the Latin commentary by three Saint Vincent Archabbey monks. More than half of the species described were new. The list of collectors cited in the *Sertum* will prove useful beyond the book; Matthias Hultgren of Maryland, one of the 20 collectors, is virtually unknown. Although an occasional transposition (1748 for 1784) mars the text, the typography and format are entirely pleasing, and the book is attractively priced. For the gardener who delights in the literature after dibbling in his cold frame, the *Sertum* is an admirable gift.

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New Books

Biological and Medical Sciences

Les Acides Nucléiques. Michel Privat de Garilhe. Presses Universitaires de France, Paris, 1963. 136 pp. Illus. Paper.

Advances in Applied Microbiology. vol. 5. Wayne W. Umbreit, Ed. Academic Press, New York, 1963. 397 pp. Illus. \$13.

Advances in Cancer Research. vol. 7. Alexander Haddow and Sidney Weinhouse, Eds. Academic Press, New York, 1963. 609 pp. Illus. \$18.

Advances in Marine Biology. vol. 1. F. S. Russell, Ed. Academic Press, New York, 1963. 424 pp. Illus. \$13.50.

Botany in Indian Universities. Report of the University Grants Commission Review Committee. The Commission, New Delhi, India, 1963. 92 pp. Paper.

The Cell in Mitosis. Proceedings of the symposium held under the provisions of the Wayne State Fund Research Recognition Award (Detroit, Mich.), November 1961. Laurence Levine, Ed. Academic Press, New York, 1963. 286 pp. Illus. \$10.

Clinical Aspects of Immunology. P. G. H. Gell and R. R. A. Coombs, Eds. Davis, Philadelphia, 1963. 909 pp. Illus. \$17.50.

Clinical Biochemistry of Domestic Animals. Charles E. Cornelius and Jiro J. Kaneko, Eds. Academic Press, New York, 1963. 692 pp. Illus. \$20.

Einführung in die Reflexmikroskopie. Und die physikalischen Grundlagen mikroskopischer bildentstehung. Albert Westphal. Thieme, Stuttgart, Germany, 1963. 116 pp. Illus. Paper, DM. 29.40.

Energy-Linked Functions of Mitochondria. Papers presented at a colloquium (Philadelphia, Pa.), April 1963. Britton Chance, Ed. Academic Press, New York, 1963. 294 pp. Illus. \$4.50.

Environmental Control of Plant Growth. Proceedings of a symposium (Canberra, Australia), August 1962. L. T. Evans, Ed. Academic Press, New York, 1963. 467 pp. Illus. \$17.

Enzyme and Metabolic Inhibitors. vol. 1, *General Principles of Inhibition.* J. Leyden Webb. Academic Press, New York, 1973 pp. Illus. \$26.

The Enzymes. vol. 7. *Oxidation and Reduction* (pt. A.) *Nicotinamide Nucleotide-Linked Enzymes: Flavin Nucleotide-Linked Enzymes.* Paul D. Boyer, Henry Lardy, and Karl Myrback, Eds. Academic Press, New York, ed. 2, 1963. 748 pp. Illus. \$21.

Fatty Acid Metabolism in Microorganisms. Klaus Hofmann. Wiley, New York, 1963. 90 pp. Illus. \$3.25.

The Human Embryo. E. Blechschmidt. Schattauer, Stuttgart, Germany, 1963. 119 pp. Illus. Plates.

Insect Pathology. An advanced treatise. vol. 2. Edward A. Steinhaus, Ed. Academic Press, New York, 1963. 703 pp. Illus. Until 31, Oct., \$20; \$23.

International Review of Cytology. vol. 15. G. H. Bourne and J. F. Danielli, Eds. Academic Press, New York, 1963. 454 pp. Illus. \$16.

Neuroendocrinology. Ernst and Berta Scharrer. Columbia Univ. Press, New York, 1963. 303 pp. Illus. \$8.50.

Physical Techniques in Biological Research. vol. 6, pt. B, *Electrophysiological Methods.* William L. Nastuk, Ed. Academic Press, New York, 1963. 441 pp. Illus. \$14.50.

The Physiology of Earthworms. M. S. Laverack. Pergamon, London; Macmillan, New York, 1963. 216 pp. Illus. \$7.

Plant Physiology. A treatise. vol. 3, *Inorganic Nutrition of Plants.* F. C. Steward, Ed. Academic Press, New York, 1963. 829 pp. Illus. \$24.

Selected Botanical Papers. Irving William Knobloch, Ed. Prentice-Hall, Englewood Cliffs, N.J., 1963. 325 pp. Paper \$3.95.

A Short Textbook of Medicine. J. C. Houston, C. L. Joiner, and J. R. Trousseau. English Univ. Press, London; Van Nostrand, Princeton, N.J., 1962. 574 pp. Illus. Paper, \$4.50; cloth, \$5.75.

Soil and Freshwater Nematodes. T. Goodey. Rewritten by J. B. Goodey. Methuen, London; Wiley, New York, ed. 2, 1963. 560 pp. Illus. \$16.

The Wisdom of the Body. Walter B. Cannon. Norton, New York (© 1932), 1963. 333 pp. Illus. Paper, \$1.95.

Zoethout's Laboratory Experiments in Physiology. Blaine H. Levedahl and Albert A. Barber. Mosby, St. Louis, ed. 6, 1963. 174 pp. Illus. \$3.75.