

**The Invertebrates.** vol. 5, *Smaller Coelomate Groups*. Chaetognatha, Hemichordata, Pogonophora, Phoronida, Ectoprocta, Brachiopoda, Sipunculida, the coelomate Bilateria. Libbie Henrietta Hyman. McGraw-Hill, New York, 1959. viii + 783 pp. Illus. \$13.50.

In this volume the structure of Libbie Hyman's imposing virtuoso feat takes on a slightly new aspect. Terminations are reached; the definitive scope of the work is delineated; advances and revisions are reviewed. Perhaps a new note of personal communication is introduced in this volume. Those invertebrate zoologists who feel so deeply in debt to the author cannot fail to feel keen disappointment on learning of her expectation that the Arthropoda will not be covered in her considerations. The testimony of substantial recognition, together with all possible assistance in the furthering of the work, should be unstintingly offered by her colleagues to encourage her in the realization of her project. It is a distinct pleasure, on the other hand, to see Libbie Hyman assume a very slight degree of the authority which is so rightfully hers, when she takes a few hearty pokes at zoological misconceptions which refuse to die. As always, her illustrations and her completely lucid exposition combine to evoke, in a way unexcelled in the literature, a sense of the reality of the creatures under discussion as vital organisms in an authentic environment. Such a presentation for any one phylum would have markedly enriched zoology. The compilation she has given us is unparalleled.

In chapter 18, "Phylum Pogonophora," the first presentation of a group of outstanding interest to students of the invertebrates becomes available. The classification and the arguments for the status of the group provided by Ivanov are accepted, but his proposal of a new name, Brachiata, is rejected. This chapter is further important for its closing section, "concluding remarks on the Deuterostomia." There it is stated that the consideration of the enterocoelous coelomates is concluded. The term *Schizocoela* is replaced with the category protostomatous coelomates; these are introduced, in the succeeding chapters, with the lophophorate phyla Phoronida, Ectoprocta, and Brachiopoda and with the phylum Sipunculida. Chapter 21, "Brachiopoda," concludes with a review of the status of the lophophorates that shows a still unelucidated connection between protostomes and deuterostomes.

Chapter 23, "Retrospect," recounts advances pertaining to groups covered in previous volumes, comments on viewpoints, and includes a bibliography of recent references. Obviously thoughtful considerations and reconsiderations are embodied in this compact presentation.

The usual meticulous documentation of the treatise continues, over 40 pages of concise but completely informative bibliography being included in the volume.

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## New Books

*Advances in Enzymology and Related Subjects of Biochemistry.* vol. 21. F. F. Nord, Ed. Interscience, New York, 1959. 521 pp. \$12.50. Contents: "Mitochondrial metabolism," W. C. Schneider; "Electron transport and oxidative phosphorylation," D. E. Green; "Durch metall-ionen katalysierte vorgänge, vornehmlich im bereich der seltenen erdmetalle," V. E. Bamann and H. Trapmann; "Enzymic reactions in the synthesis of the purines," J. M. Buchanan and S. C. Hartman; "The enzymic synthesis of pyrimidines," P. Reichard; "The biosynthesis and function of carotenoid pigments," T. W. Goodwin; "Folic acid coenzymes and one-carbon metabolism," F. M. Huennekens and M. J. Oxborn.

*Buffon.* Storia naturale. Primo discorso, *Sulla maniera di studiare la storia naturale*. Secondo discorso, *Storia e teoria della terra*. A cura di Marcella Renzoni. Boringhieri, Turin, Italy, 1958. 581 pp. L. 6000.

*Breeding Field Crops.* John Milton Poehelman. Holt, New York, 1959. 447 pp. \$8.50.

*A Brief Text in Astronomy.* William T. Skilling and Robert S. Richardson. Holt, New York, rev. ed., 1959. 363 pp. \$2.95.

*Brimstone.* The story of the Frasch sulphur industry. Williams Haynes. Van Nostrand, Princeton, N.J., 1959. 327 pp. \$5.95. This volume tells the story of the American sulphur industry from the pioneering days in the swamps of Louisiana through the years when the industry was developing and up to today's new sulphur recovery developments in France and Canada. This book is based on *The Stone That Burns*, published in 1942.

*Chemistry of Carbon Compounds.* A modern comprehensive treatise. vol. VI, pt. B, *Heterocyclic Compounds*. E. H. Rodd, Ed. Elsevier, Amsterdam, Netherlands, 1959 (order from Van Nostrand, Princeton, N.J.). 583 pp. \$24.

*Children in Practice.* John Peterson. Cambridge Univ. Press, New York, 1959. 234 pp. \$4.75.

*Cholera.* WHO Monogr. No. 43. R. Pollitzer. World Health Organization, Geneva, 1959 (order from Columbia Univ. Press, New York). 1019 pp. \$20. The 11 chapters that constitute the main part of this book were originally published in the

*Bulletin of the World Health Organization*. Two chapters were written in collaboration with William Burrows and Satya Swaroop. Chapter 1 (50 pages) is devoted to a history of the disease.

*Creativity and Its Cultivation.* Harold H. Anderson, Ed. Harper, New York, 1959. 306 pp. \$5.

*Current Problems in Allergy and Immunology.* Papers dedicated to Bela Schick on the occasion of his 80th birthday. William Kaufman, Ed. Karger, Basel, Switzerland, 1959. 1016 pp. \$14.40. The volume contains articles by 100 medical scientists and physicians on topics in allergy and immunology. A total of 66 papers were contributed. A bibliography of Schick's scientific papers is included.

*Discussione sulla fisica moderna.* Werner Heisenberg, Max Born, Erwin Schrödinger, Pierre Auger. Edizioni Scientifiche Einaudi, Turin, 1959. 131 pp. L. 1200.

*Dosimetrie und Strahlenschutz.* Physikalische und technische daten. R. G. Jaeger. Thieme, Stuttgart, Germany, 1959 (order from Intercontinental Medical Book, New York). 294 pp. \$11.80.

*Flying Saucers.* A modern myth of things seen in the skies. C. G. Jung. Translated from the German by R. F. C. Hull. Harcourt, Brace, New York, 1959. 186 pp. \$3.95.

*Free Associations.* Memories of a psychoanalyst. Ernest Jones. Basic Books, New York, 1959. 264 pp. \$5.

*Galileo Galilei.* Discorsi e dimostrazioni matematiche intorno a due nuove scienze. A cura di Adriano Carugo e Ludovico Geymonat. Boringhieri, Turin, Italy, 1958. 887 pp. L. 7000.

*A Guided Tour through Space and Time.* Eva Fenyo. Prentice-Hall, Englewood Cliffs, N.J., 1959. 191 pp. \$3.50.

*Industrial Microbiology.* Samuel Cate Prescott and Cecil Gordon Dunn. Ed. 3 revised by Cecil Gordon Dunn. McGraw-Hill, New York, 1959. 953 pp. \$17.50.

*Information and Error.* An introduction to statistical analysis. Solomon Diamond. Basic Books, New York, 1959. 319 pp. \$5.

*Infrared Absorption Spectra Index for 1945-1957.* 126 pp. \$7. This volume contains approximately 16,000 references to published infrared absorption spectra in 33 American and European journals and in one book. These references indicate the journal, volume, and page where an actual spectrum of the compound is reproduced. For many compounds a number of references will be found; for others, there may be only one. The literature from 1945 to 1957 inclusive is indexed and it is expected that subsequent literature will be covered in a supplementary index.

*Introduction to the Laplace Transform.* Dio L. Holl, Clair G. Maple, Bernard Vinograd. Appleton-Century-Crofts, New York, 1959. 181 pp. \$4.25.

*An Introduction to Statistical Mechanics.* J. S. R. Chisholm and A. H. de Borde. Pergamon, New York, 1959. 169 pp. \$6.

*Ion Exchange.* A laboratory manual. J. E. Salmon and D. K. Hale. Academic Press, New York; Butterworths, London, 1959. 143 pp. \$5.

*Labor-Management Relations.* Charles