

REVIEWS

Rheology of Emulsions. Edited by P. Sherman. The Macmillan Co. (Pergamon Press), New York, N. Y., 1963. vii + 146 pp. 15 × 23 cm. Price \$7.50.

The book is a compilation of the papers presented at a symposium held by the British Society of Rheology at Harrogate in October, 1962. The papers report the most recent work at the time on the flow properties of emulsions. The topics considered in the papers include the formation of emulsions, the effect of concentration, flocculation, and particle aggregation on the rheology of disperse systems, the behavior of liquid drops under laminar flow, stabilization of emulsions, and dielectric behavior of emulsions. Since the discussions involving the relationship of particle aggregation to rheological properties stress the "secondary minimum" in flocculation, one paper was devoted exclusively to a study of the diffuse double layer following the Derjaguin-Landau and the Verwey-Overbeek theories for the stability of colloidal systems. The editor apologized for the omission of a promised contribution on the rheological properties of the emulsifier film at the interface. It is unfortunate that a paper on this subject could not be included, because of the often cited importance by various authors of resiliency and toughness of an emulsifier film in contributing to emulsion stability.

The earlier symposium on the rheology of suspensions, entitled "Rheology of Disperse Systems" (Pergamon Press, 1959), together with the present book, make a valuable contribution to the rheology of suspensions and emulsions. Anyone teaching or doing research which involves the consideration of dispersed solids and liquids will want to have these companion works in his library.

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Organic Reactions. Vol. 13. Edited by A. C. COPE. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. vii + 382 pp. 15 × 23 cm.

Each chapter of this latest volume treats an important synthetic reaction. The discussions are authoritative and critical covering the reaction and the methods of preparation and utilization of reagents. The organic reactions presented are covered completely and representative experimental procedures are given. Subjects covered in this volume are hydration of olefins, dienes, and acetylenes via hydroboration, halocyclopropanes from halocarbenes, free radical additions to olefins to form carbon-carbon bonds, and formation of carbon-hetero atom bonds by free radical chain additions to carbon-carbon multiple bonds.

Quantum Biochemistry. By BERNARD PULLMAN and ALBERTE PULLMAN. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1963. xvi + 867 pp. 15.5 × 23 cm. Price \$27.50.

The two main objectives of this book are to show

biochemists how quantum mechanics can yield answers to the problems of the structure and mode of action of the constituents of living matter and to provide the quantum chemists with a general outline of the aspects of biochemistry in which their contribution may be useful. The authors note that topics of the same apparent importance are often given unequal treatment in their presentation but explain that the very early stage of development of quantum biochemistry is responsible. The work is divided into three major sections dealing with molecular orbitals for biochemists, electronic structure of fundamental biochemical substances, and electronic aspects of enzymic reactions.

NOTICES

Pharmacologie des Hormones Neurohypophysaires et de Leurs Analogues Synthétiques. By B. BERDE. Masson & Co., Editeurs, Libraires de L'Academie de Medecine, 120, Boulevard Saint-Germain, Paris VI^e, 1963. 105 pp. 16 × 24 cm. Paperbound. Price 10F.

XXI^o Congresso di Scienze Farmaceutiche. Conferenze e Comunicazioni, Pisa, 1961. Federazione Ordini Farmacisti Italiani, Rome, 1962. vii + 943 pp. 17 × 24 cm. Paperbound.

Outline of Pharmacology and Therapeutics. By SISTER M. MARIEL, C.S.A. Charles C Thomas, 301-327 E. Lawrence Ave., Springfield, Ill., 1963. xvi + 297 pp. 16 × 23.5 cm. Price \$12.50.

Advances in Pharmacology. Vol. 2. Edited by SILVIO GARATTINI and PARKHURST A. SHORE. Academic Press, Inc., 111 Fifth Ave., New York 3, N. Y., 1963. vii + 392 pp. 15.5 × 23.5 cm. Price \$12.

Advances in Analytical Chemistry and Instrumentation. Vol. 2. Edited by CHARLES N. REILLEY. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. vi + 408 pp. 15.5 × 23.5 cm. Price \$15.

Das Krebsproblem. By KARL-HEINRICH BAUER. Springer-Verlag, 1 Berlin 31 (Wilmersdorf), Heidelberger Platz 3, (Berlin-West), Germany 1963. xvi + 1099 pp. 17 × 25 cm. Price DM 98.

Moderne Methoden der Pflanzenanalyse (Modern Methods of Plant Analysis). Vols. 5 and 6. By K. PAECH and M. V. TRACEY. Springer-Verlag, 1 Berlin-Wilmersdorf, Heidelberger Platz 3, West Berlin, Germany, 1963. xxiii + 512 pp. 17 × 25 cm. Price DM 98 each.

Prescription Pharmacy. Edited by J. B. SPROWLS, JR. J. B. Lippincott Co., East Washington Square, Philadelphia 5, Pa., 1963. x + 579 pp. 18 × 25.5 cm. Price \$12.