

(h) Simultaneous use of mass spectrometer and microbalance techniques.

It is no exaggeration to find that a total of 125 papers spread over these 8 volumes serve as a major repository of the world literature on vacuum microbalance techniques. The entire series will be an asset to any institution engaged in research and developmental work.

A. R. VASUDEVA MURTHY.

Progress in Stereochemistry, Vol. 4. By Aylett and Harris. (Plenum Press, New York and Butterworths, London), 1969. Pp. vii + 389. Price \$ 30.00.

The book under review is the latest issue of the well-known series started by Klyne and de La Mare. It consists of eight chapters. The topics covered include Stereochemistry of Myoglobin (H. G. Watson), Stereochemical correlations (W. Klyne and P. M. Scopes), Crystallography and Stereochemistry (H. H. Mills and J. C. Speakman), N.M.R. Spectroscopy and Inorganic Chemistry (R. F. M. White), Configuration Analysis in Carbohydrate Chemistry (R. J. Ferrier), Stereochemistry of 2, 2'-Bridged Biphenyls (D. Muriel Hall), Stereochemistry of Main Group IV Elements (B. J. Aylett) and the Use of Models in Stereochemistry (A. Walton).

The topics have been chosen with care to present a fair view of the advancing fronts of Stereochemistry. The materials have been handled in an expert fashion. It is clear that the renaissance in Stereochemistry of the 50's although originated in Classical Organic Chemistry is influencing profoundly not only Physical Organic Chemistry but Inorganic and Biological Chemistry, Molecular Biology, Pharmacology and Polymer Chemistry as well. The book is indispensable for all departmental libraries of chemical, biological and physical sciences.

M. V. BHATT.

Biophysik des Muskels. By E. Ernst. (Fortschritte der experimentellen und theoretischen Biophysik—Heft 12) (Published by Veb Georg Thieme, Leipzig, DDR-69 Jena, Villengang 2), 1970. Pp. 71. 38 illustrations. Price 18 Mark.

This monograph on Biophysics of Muscles by Prof. Dr. E. Ernst, Director of the Biophysical Institute, Pécs (VR Ungarn) is Part 12 of the series Progress in Experimental and

Theoretical Biophysics. It gives brief accounts of recent major developments in the subject, and reviews the work that has been published during the past decade. The contents in two major chapters deal (i) with muscles, their structure including micro- and sub-micro as revealed by electronmicroscope studies, the muscle fibres, their contents and localisation and (ii) with the mechanism of muscle actions, their energetics, automatism, the contraction theories, sliding hypothesis, etc. The literature quoted contains 323 references to original papers, mostly published during the decade ending 1968.

Research workers in this field will find a valuable reference source in this monograph.

A. S. G.

ANNOUNCEMENTS

Nuclear Physics and Solid State Physics Symposium, 1971

Venue: Bhabha Atomic Research Centre, Trombay, Bombay.

Date: December 27–31, 1971.

Deadline for Abstracts: November 1, 1971.

Deadline for Papers: November 20, 1971.

Please contact: Dr. N. S. Satya Murthy (Convener) for general information; Dr. D. K. Sood for Nuclear Physics Abstracts; Dr. B. A. Dasannacharya for Solid-State Physics Abstracts; Dr. K. R. Rao for local arrangements; Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay, Bombay-85.

Books Received

Semiconducting Lead Chalcogenides. By Yu. I. Ravich, B. A. Efimova, I. A. Smirnov. (Plenum Publishing Corporation, New York), 1970. Pp. xv + 377. Price \$ 30.00.

Topics in Mathematical Physics—Vol. 2—Special Theory and Problems in Diffraction. Edited by M. Sh. Birman. (Plenum Publishing Corporation, New York), 1968. Pp. vii + 134. Price \$ 15.00.

System Theory Research (Vol. 19). Edited by A. A. Lyapunov. (Plenum Pub. Corpn., New York, N.Y.), 1970. Pp. vi + 321. Price \$ 27.50.

Theory of Molecular Excitons. By A. S. Davydov. (Plenum Pub. Corpn., New York), 1971, Pp. xiii + 313. Price \$ 25.00.