

Books Received

The undermentioned works have been received by the Editors. Mention here does not preclude review at a later date.

Röntgenographische Chemie. By E. BRANDENBERGER and W. EPPRECHT. Second edition, Pp. 272 with 124 figs. Basel and Stuttgart: Birkhäuser Verlag, 1960. Price 32 Swiss francs.

Chemical Crystallography. By C. W. BUNN. Second edition, Pp. xiv + 509. Clarendon Press: Oxford University Press, 1961. Price 60s.

Textures in Metal Sheets. By F. A. UNDERWOOD. Pp. xii + 148. London: Macdonald, 1961. Price 28s.

Gesammelte Schriften und Vorträge. By MAX VON LAUE. Three volumes. Pp. 548, 513, 265. Braunschweig: Vieweg, 1961. Price DM 145, \$35.00.

The Physical Basis of Polarized Emission. By P. P. FEOFILOV (translator's name not given). Pp. xiv + 274. New York: Consultants Bureau. Price \$12.50.

Proceedings of the European Regional Conference on Electron Microscopy, Delft 1960. Edited by A. L. HOUWINK and B. J. SPIT. Two volumes, pp. xiv + 606; xvii-xxviii + 607-1075. Delft: De Nederlandse Vereniging voor Electronenmicroscopie, 1961. Price 135 f.

Advances in X-ray analysis. Volume 4. Edited by W. M. MUELLER. Pp. viii + 568. New York: Plenum Press Inc., 1961. Price \$15.00.

Encyclopaedic Dictionary of Physics. Volume 1. Edited by J. THEWLIS. Pp. vi + 800. Oxford: Pergamon Press. Price £110 for the complete set (number of volumes not stated).

Computing Methods and the Phase Problem in X-ray Crystal Analysis. Edited by RAY PEPINSKY, J. M. ROBERTSON and J. C. SPEAKMAN. Pp. viii + 326. Oxford: Pergamon Press, 1961. Price 63s.

Reports on Progress in Physics. Volume 24. Edited by A. C. STICKLAND. Pp. iv + 424. London: The Institute of Physics and The Physical Society, 1961. Price £4.4.0.

Direct Methods in Crystallography. By M. M. WOOLFSON. Pp. viii + 144. Oxford: Clarendon Press, 1961. Price 30s.

Crystallometry. By P. TERPSTRA and L. W. CODD. Pp. xvi + 420. London: Longmans, 1961. Price £3.10.0.

Valence. By C. A. COULSON. Pp. xiv + 404. Second Edition. Oxford University Press, 1961. Price £1.10.0.

A Course of Mathematics for Engineers and Physicists. By C. PLUMPTON and B. H. CHIRGWIN. Pp. xvii + 326. Oxford: Pergamon Press, 1961. Price £1.5.0.

Angular Measurements: construction and use of the two-circle goniometer. By L. W. CODD. Pp. 27. Duxford: Techne (Cambridge) Ltd, 1960. Price 7s 6d.

This booklet gives a clear explanation of the principles of the measurement of interfacial angles, and the representation of them by stereographic and gnomonic projections. The practical details of the use of a two-circle goniometer are given, and there is an eight-page description of the Barker Index of Crystals and its use for identification. The booklet should be very useful for students, but the price is high in relation to the length.

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Progress in Microscopy. By M. FRANÇON. Pp. x + 295. Oxford: Pergamon Press, 1961. Price 60s. or \$9.00.

This is said to be volume 9 of a series 'modern trends in physiological sciences', but there is little in it that is specifically physiological. The first four chapters deal with the physical aspects of image formation, phase contrast, interference microscopy, and reflected-light microscopy. The physical arguments are mostly qualitative, and crystallographers would welcome a more theoretical and mathematical approach. The remaining chapters deal with applications: measurements in the focusing plane, measurements of thickness, measurements of refractive index (including nearly a page on birefringence), measurement of thickness and slope by interference microscopy, infra-red and ultra-violet microscopy, microspectroscopy, and chemical applications (melting-point determination, with applications to equilibrium diagrams). In spite of the remark above about the level of mathematical treatment, the book forms a very readable introduction to the subject.

The author is Professor of Physics at the Sorbonne, and the book, presumably a translation, is printed in Poland. These considerations account for certain peculiarities, such as 'educed' instead of 'deduced' or 'derived', 'equates' instead of 'is equal to' and other infelicities. There is a four-page bibliography and a seven-page subject index.

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