

the interpretation of electron diffraction patterns.

The book ends with a list of references (up to the year 1976) and a list of books recommended for a deeper study of the problems of electron microscopy.

As is evident from the contents, this book is no textbook of electron microscopy but rather a selection of certain topics from the broad field of electron microscopy, written with the intention of giving general, physically sound information about the fundamentals of electron microscopy, the possibilities of its application in the study of the properties of solids, and the trends in future developments and applications of this modern branch of science. The comparatively thin volume has forced the authors to a very condensed account which, in some places, may not be readily understandable without a deeper knowledge of physics on the part of the reader. On the other hand, the book contains much information which will be

read with interest and appreciation even by routine workers in the field of electron microscopy.

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Books Received

The following books have been received by the Editor. Brief and generally uncritical notices are given of works of marginal crystallographic interest; occasionally a book of fundamental interest is included under this heading because of difficulty in finding a suitable reviewer without great delay.

Microscopica acta. Journal of microscopic equipment, methods and applications. Supplement 1/77: Quantitative image analysis of biological struc-

tures. Edited by *L. Jenny*. Pp. v + 221. Stuttgart: S. Hirzel Verlag, 1977. Price DM 45.00.

Interpretive techniques for microstructural analysis. Edited by *J. L. McCall* and *P. M. French*. Pp. ix + 201. New York: Plenum, 1977. Price \$25.00.

This is a collection of eleven separate essays (proceedings of a symposium held in Minneapolis, June 1975) by as many authors, on the examination of surfaces – chiefly metal surfaces – by physical methods. It is a very practical book and is addressed mainly to the metallurgist; it deals with microscopy in great detail, including photographic methods, instrumentation, temperature control, holography, and also micro-hardness testing (Vickers/Knoop).