

(Chapter 9, by P. O'Brien, 44 pp.), on precursors to electronic materials, starts with a brief survey of electronic materials and growth methods and then focuses on III/V and II/VI systems, with a brief summary of methods applied to the high- T_c oxides. The book concludes with a very brief index that is too cursory to be useful.

Overall, the book is an asset to the literature. The production (from camera-ready copy) is remarkably free of errors and the individual chapters are likely to be useful to relative newcomers as well as to experts in a given area. As an introduction to the excitement and promise of inorganic materials, it is clearly worth reading. The relative lack of emphasis on the detailed structures of the materials discussed, or on the methods used to elucidate them, may make the book of only peripheral interest to the practising crystallographer, but it provides a good

introduction to new and potentially interesting areas of research.

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Books Received

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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.

**Crystallography in modern chemistry.
A resource book of crystal structures.**

By *Thomas C. W. Mak* and *Gong-Du Zhou*. Pp. xiii + 1323. New York: John Wiley, 1992. Price \$136.00. ISBN 0-471-54702-6. A review of this book, by Jenny P. Glusker, has been published in the June 1993 issue of *Acta Crystallographica* Section B, pages 576–578.

Proton conductors – solids, membranes and gels – materials and devices. Edited by *Phillipe Colomban*. Pp. xxxii + 581. Cambridge: Cambridge University Press, 1992. Price £75.00. ISBN 0-521-38317-X. The stated aim of this book is 'to give a comprehensive survey of the chemical and physical parameters governing proton conduction. It includes descriptions of the preparation, structures and properties of typical materials (glasses, crystals, ceramics, metals, organic and inorganic polymers) and of devices'.