

determinations and my own notes. We shall see if this accomplishes the desired end. For those seeking a comprehensive single-volume treatment of fundamentals combined with structure determination, at an introductory level, *Crystal Structure Analysis*, by Glusker & Trueblood (Oxford University Press, 1996), places its main emphasis on the latter but contains much of Hammond's material in appendices. Neither that text nor Hammond's treats X-ray generation or spectra, topics treated in the third edition of *Structure Determination by X-ray Crystallography*, by Ladd & Palmer (Plenum Press, 1997), a text that provides a comprehensive coverage of all the essential topics for an introductory course.

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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.*

**Microscopy of semiconducting materials 1997. Institute of Physics Conference Series**, No. 157. Edited by A. G. CULLIS and J. L. HUTCHISON. Pp. xvii + 709. Bristol and Philadelphia: Institute of Physics Publishing, 1997. Price £200.00, US \$400.00. ISBN 0-7503-0464-2. This volume "contains the invited and contributed papers presented at the conference on 'Microscopy of Semiconducting Materials' held on 7–10 April 1997 at the University of Oxford ... under the scientific sponsorship of the Royal Microscopical Society, the Electron Microscopy and Analysis Group of the Institute of Physics and the Materials Research Society". The published works have been 'reviewed by at least two referees and modified accordingly'.

**Interfacial wave theory of pattern formation.** By JIAN-JUN XU. Heidelberg: Springer-Verlag, 1998. Pp. xii + 296. Price: DM 98.00, US \$59.95. ISBN 3-540-63145-3. This research monograph treats dendritic growth and viscous fingering in Hele–Shaw flow as special examples of a class of nonlinear pattern formation phenomena in nature. The book is described as 'useful for researchers, post-doctoral and graduate students in the fields of condensed matter physics, applied mathematics, mechanical engineering and chemical engineering'.