

of the apparent parallelism between the evolutionary pattern of the continental crust and progressive changes in the ore types that each continent contains. The author warns that, like most books on petrology, this one is only concerned with primary, unweathered materials; no consideration is given to weathering processes, the formation of 'secondary' ores and gossans, or to placer-type deposits. There is a 20-page bibliography and in addition each chapter has its own recommended reading list.

The book sets out to cover a very broad field and inevitably there are local inadequacies but the balance of coverage seems good. It should succeed in encouraging a co-operative relationship between those who study ores and those who find and mine them, and will be a most useful text for students of economic geology.

R. A. HOWIE

BARNES (V. E.) and BARNES (M. A.), Editors. *Tektites* (Benchmark Papers in Geology). Stroudsburg, Pennsylvania (Dowden, Hutchinson and Ross, Inc.), and London (John Wiley and Sons), 1973, xvi+445 pp., 150 figs. Price £10.00.

The editors have selected 46 papers, which have been reproduced wholly or in part in this volume. Groups of papers chosen as representative of different aspects of tektite research are introduced by brief editorial notes. Particular attention has been paid to bibliography, which is complete to about 1972, and for which the editors and publishers deserve congratulation. There are both subject and author indexes.

The book should prove especially useful for university teachers, and for students preparing dissertations or seminars on the subject, for Professor and Mrs. Barnes have obviously tried to achieve a balance between papers supporting their own belief in the terrestrial origin of tektites and those of their opponents, such as Chapman, who still favour a lunar origin. The time-consuming literature search (which is a useful exercise for undergraduates) will, however, have been largely eliminated.

Reproduction of figures is generally excellent and I recommend purchase of the book by university or polytechnic libraries. My main criticism is that, because of space limitations, parts of papers or essential figures have been occasionally omitted.

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