

the general public of real news about the progress and discoveries of lunar science, will recognize in this book the hallmarks of a true classic to be shared by every person who followed the prologue and is curious about the epilogue. G. M. BROWN

SHUEY (R. T.). *Semiconducting ore minerals* (Developments in Economic Geology, Vol. 4). Amsterdam and New York (Elsevier Sci. Publ. Co.), 1975. 415 pp., 55 figs. Price Dfl. 55.00 (\$22.95).

The book is basically divided into two parts: the first deals with the principles of semi-conduction of materials and the second gives a progressive series of ore mineral information; this latter section deals with the ore minerals in the logical sequence: Elements, Sulphides, and Oxides.

This book is excellent in bringing together for the first time information on the semiconducting properties of ore minerals from sources not normally seen by the economic mineralogist, many of a recent Russian origin.

A major failing of the book is in the lack of a serious attempt to relate this information to the atomic structure of the minerals being considered. Minor criticisms are in the type-face used and the lack of line justification. A minor irritation is in the lack of a complete author index, the authors being indexed by chapter so causing in some instances triplication of one reference. There is a complete lack of reference to many basic publications on atomic structures of minerals.

This book is obviously aimed at those mineralogists engaged in research into the properties of ore minerals, and for those people represents a necessary addition to their library. J. W. OLDHAM

CARMICHAEL (I. S. E.), TURNER (F. J.), and VERHOOGEN (J.). *Igneous Petrology*. New York and London (McGraw-Hill), 1974. xvi+739 pp., 175 figs. Price £11.25.

To Professors Ian S. E. Carmichael, Francis J. Turner, John Verhoogen  
Dear Ian and Frank and John,

The appearance this year of your *Igneous Petrology* has by its synoptic view, lucidity, and sense of direction as applied to igneous petrology, made the roles of the advanced student and his teacher much easier.

The original 'T. and V.' is, however, still needed for its references and for aspects of regional petrology. That in this new work certain topics, for example pegmatites, magmatism in relation to ore deposition, are still lacking and that the treatment of the lamprophyres and of the alkali rocks is rather cursory may be taken as a challenge to the reader to amplify these sections to his own requirements using the rest of the book as an excellent model.

I hope that you will accept this 'Consumers' Report', the joint creation of three of