

## BOOK REVIEWS

SIMPLE DETERMINATIVE MINERALOGY, H. R. BERINGER. 239 pages. Mining Publications, Ltd., 724 Salisbury House, London, E. C. 2. 1931. Price 10s.6d.

This text is a revised and enlarged edition of "Mineral Determination," a book by the same author that was published some time ago. The method employed for the classification of minerals is one based mainly on specific gravity, supplemented by brief descriptions of physical and chemical characteristics. The scheme outlined is one that has been used for over ten years at the School of Metalliferous Mining at Camborne, Cornwall.

While a number of suggestions are offered for the determination of the specific gravity of a mineral no reference is made to the use of the Jolly balance which is, in most cases, the most useful instrument for this purpose. As the tables are unusually comprehensive in the number of minerals included the text should prove of service in determinative work.

W.F.H.

PETROGRAPHY AND PETROLOGY, FRANK F. GROUT. XVIII+522 pages, 265 figures. McGraw-Hill Book Co., New York. 1932. Price \$5.00.

The purpose of this textbook, according to the author, is to combine a moderately advanced laboratory study of rocks with a classroom discussion of the origin of the features seen in the laboratory. It was essential that the student should be enabled to distinguish between fact and theory. Considering the wealth of theories, many of which appear to be generally accepted as fact in the field of interpretive petrology, it was no simple task to separate fact from theory. The author has been remarkably successful in his efforts to achieve these distinctions.

Twenty-eight criteria tables are distributed through the text. This feature together with the painstaking fact-theory distinctions give this textbook its maximum value to the student.

The book is divided into eight parts. Part I consists of a very brief introduction to the subject and methods; II, The petrography of igneous rocks; III, Petrology of igneous rocks; IV, Petrography of sedimentary rocks; V, Petrology of sedimentary rocks; VI, Petrography of metamorphic rocks; VII, Petrology of metamorphic rocks; VIII, Tables of rock-forming minerals and selected readings.

Practically all rocks described and illustrated represent Minnesota occurrences. The temptation must have been great to repeat the conventional type examples throughout the world. The student is fortunate in having the happy choice limited to occurrences with which the author is thoroughly familiar.

It hardly appears necessary to add that there was a great need for an up-to-date English text on the subject.

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