

general agreement yet on the major source of andesite magma. One of the most interesting chapters is that by Weaver and Tarney on the role of andesite magmatism in continental growth. Their conclusion is that calc-alkaline plutonism is more important than andesitic volcanism as the agent of continental growth, and that vertical accretion of calc-alkaline rocks at continental margins is more important than lateral accretion of island arcs.

The whole book is a well-balanced compilation of modern knowledge on andesite volcanism. Nearly all the contributions are well written and well illustrated. One's only regret is that the high price of the volume will probably preclude its purchase by many of the workers in this field for whom it has been written.

A. HALL

Dohr, G. *Applied Geophysics* (2nd edn.). New York (Halsted Press) and Chichester (John Wiley and Sons Ltd.), 1981. 231 pp., 166 figs. Price £9.90.

This is Volume One in the *Geology of Petroleum*; the first edition was published in 1974, and this edition has been extensively revised. About two-thirds of the book is devoted to seismic methods especially reflection work. There are two chapters on digital processing and these have been up-dated since the first edition. A chapter on Recent Developments is a welcome addition, although more space might have been found for direct indication techniques.

Despite the concentration on seismic methods the author deals with other geophysical techniques in an adequate, although brief way. The chapter on gravitational methods includes a section on modelling. In the chapter on Geoelectric Methods

the author has enlarged the section on magnetotellurics because he believes it to be of growing importance. There is also a chapter on well-logging, but this quite properly concentrates on those methods which are used in conjunction with geophysical surveys, and does not pretend to be a comprehensive account of well-logging.

Throughout the book German examples are illustrated and used. This gives an individual flavour, and is welcome in an industry which has become dominated by excellent North American publications. A new translation has been used and it is an enormous improvement on the first edition. The larger, clearer format is also welcome. The book can be recommended as a moderately priced undergraduate text, and as a useful reference for mineralogists seeking information about geophysical techniques.

H. C. POTTER

Hazen, R. M. *The Poetry of Geology*. London and Boston (George Allen and Unwin), 1982. 98 pp., 18 figs. Price £4.95.

This collection of twenty-three poems is drawn from American and British sources of the eighteenth and nineteenth centuries. It includes *Epitaph on a mineralogist* by F. D. Hemans (1836) and 'To make granite' from *Geological Cookery* by J. Scafe (1820), the latter including the lines.

Of felspar and quartz a large quantity take,
Then pepper with mica, and mix up and bake.
This granite for common occasions is good;
But on Saint-days and Sundays, be it understood,
If with bishops and lords in the state room you dine
Then sprinkle with topaz, or else tourmaline.

R.A.H.