

attention is given to water supply, and the authors insist on the importance of recording the geological and hydrographical data afforded by wells. The book concludes with tables describing the characters of the commoner minerals and rocks.

The "Hints" are written in simple language, and should be of value, not only for their immediate purpose, but also in spreading an interest in geology amongst those who have such magnificent opportunities of doing good scientific work if they will only make themselves sufficiently acquainted with the subject.

IV.—BRIEF NOTICES.

1. NEW ZEALAND. MINES DEPARTMENT (GEOLOGICAL SURVEY BRANCH).

Seventh Annual Report, June, 1913. pp. 115-42, with 3 maps.—This contains a general summary of the progress of the Survey and six special reports, dealing with economic geology, by P. G. Morgan and J. Allan Thomson. A report by J. A. Bartrum, on the geology of the Te Puke District, Hauraki District, Auckland, contains notes on the economic and general geology and on the petrography of the area. Some interesting hypersthene-bearing rhyolites and andesites are described.

List of the Minerals of New Zealand. By P. G. Morgan and J. A. Bartrum. pp. 32. 1913.—As it is intended to publish a handbook to the minerals of New Zealand, this list is to be regarded as provisional; it has been compiled at very short notice to accompany the "Catalogue and Description of Exhibits of the Mines Department" prepared for the Auckland Exhibition. Even in this incomplete state this publication will be of much value. It contains an alphabetical list of minerals and of materials of economic importance, with the localities at which each occurs and abundant references to the literature.

2. MIOCENE OSTRACODA.—Dr. Bela Zalanyi has issued in the *Mitt. Jahrb. k. Ungarisch. geol. Reichsanstalt*, vol. xxi, pt. iv, pp. 87-152, pls. v-ix, a most valuable paper on the Miocene Ostracoda of Hungary. Forty-one species are described, of which twenty-five are new to Hungary and twelve are new to science. Dr. Zalanyi has given large and excellent figures, and has paid especial attention to the hinge and muscle-spots of these small Crustacea, and the paper should be of much interest and service to students of European forms.

REPORTS AND PROCEEDINGS.

I.—GEOLOGICAL SOCIETY OF LONDON.

1. *February* 4, 1914.—Dr. Aubrey Strahan, F.R.S., President, in the Chair.

The following communications were read:—

1. "The Lithology and Composition of Durham Magnesian Limestones." By Charles Taylor Trenchmann, B.Sc., F.G.S.

The present communication is the result of a somewhat close inquiry into the composition and lithology of the Magnesian Limestones of Durham in all their divisions and conditions of alteration.