

Diamond Mines, has had unrivalled opportunities for the pursuance of these studies, and his researches represent signal contributions to the knowledge of the diamond. The first volume opens with authoritative chapters on diamond mining practice and the geologic setting of the kimberlite pipes. These are followed by sections devoted to the petrology and origin of kimberlite, together with an exhaustive treatment of the accidental and cognate inclusions. In these chapters the author is prone to over-quotation from the works of other investigators at the expense of conciseness and clarity. A detailed account of the morphology of the diamond is given with many new observations, illustrated by a set of beautiful photographs of the surface features of the crystals. In an all too brief section devoted to the origin of the diamond the view is expressed that the diamond crystallized from the kimberlite magma at depth, beginning first in the cognate inclusions as the igneous eclogites. The last chapter gives an account of the diamond-bearing alluvial gravels of the Union of South Africa. Throughout, the book is profusely illustrated, some of the plates, such as the photomicrographs of kimberlite and its inclusions, being reproduced in colour. The study is enriched by many new analyses of kimberlites, eclogites, and their component minerals, carried out by J. Parry, chief chemist to the De Beers Company. The author is to be congratulated on the production of the most comprehensive and authoritative treatise on the natural history of the diamond that has yet appeared.

C. E. T.

Dr. Frederick Henry Hatch.

Again, after a very short interval, the Editor has to deplore the loss of one of his valued coadjutors and a close personal friend, Dr. Frederick Henry Hatch, who died in London on 22nd September, after a somewhat long illness. Few geologists have been so successful as Dr. Hatch in combining high scientific attainments with great practical knowledge of mining and allied subjects. His work on the development of mineral resources, especially in South Africa, has been of immense value to the Empire, while as a petrologist his name is a household word wherever geology is taught.
