

2. "The Breccias of Cheese Bay and Yellow Conglomerates of Weak Law." (Illustrated by lantern slides, specimens, and microscopic sections.) By T. Cuthbert Day, F.C.S.

The author describes some peculiar breccias to be found in the district of Cheese Bay, near Guilane, associated with the intrusive Monchiquite Basalt. From a study of some new exposures of these breccias, lately discovered, he concludes that they are contemporaneous with the intrusion itself, and are the results of movements of the igneous magma, constituting a final phase of the intrusion. He therefore names them "Intrusion Breccias" in order to distinguish them from breccias arising from faulting or ordinary earth movements.

The author also applies the experience gained in the study of the above breccias to the interpretation of a peculiar exposure of rock on the shore at Weak Law, near North Berwick, generally regarded as a conglomerate, and shows that this large mass of material, nearly 300 yards in length and above 50 yards across at the widest part, is in reality of an intrusive nature, and is very similar in its character to the intrusion breccias of Cheese Bay.

It is also suggested that the numerous scattered exposures of Monchiquite Basalt are really connected below the surface, and represent upper parts of a great intrusive mass or batholith rather than parts of an ordinary intrusive sill.

IV.—LIVERPOOL GEOLOGICAL SOCIETY.

At a meeting of the above Society held on January 12, Mr. J. W. Dunn, F.G.S., read a paper on "Skiddaw and the Rocks of Barrowdale", in which he gave a comprehensive account of the two lower divisions of the Ordovician rocks of the Lake District. A full description was included of the Long Close Dyke in the Skiddaw slates at the south-east end of Lake Bassenthwaite, and of the contact metamorphism induced by it, which Mr. Dunn had studied in detail and compared with the larger and well-known effects of the granite intrusion. The dyke is about 12 feet wide and consists of a much decomposed mica-porphyrity or diabase. The total width of altered rock, including the dyke, is about 30 feet. The paper was well illustrated with photomicrographs and lantern slides, and a large and representative collection of Lake District rocks.

OBITUARY.

WE regret to record the death of Mr. Arthur Roope Hunt, M.A. (Cantab.), F.L.S., F.G.S., which occurred at his residence, "Southwood," Torquay, on December 19, 1914, at the age of 71 years. We hope to give a notice of this well-known Devonshire geologist, who has been for the past twenty-five years a frequent contributor to the pages of the GEOLOGICAL MAGAZINE.