Alpine Regions of New Zealand," by Albert E. Kitson, F.G.S. The lecture was illustrated with a large series of lantern views, many of which were lent by Mr. E. O. Thiele, who had accompanied the lecturer over a considerable portion of the districts described.

SYNOPSIS OF LECTURE.—Short description of (1) the Volcanic region of the North Island Rotorua Hot Lakes district: Great Waimanga Geyser, Wairakei Geyser Valley.—Wairakei Mud Volcano, Waikato Gorge and Valley.—Taupo Volcanic Basin.—Tongariro, Ngauruhoe and Ruapehu Volcanoes. (2) The Alpine Region of the South Island: Tasman, Hooker, Mueller Glaciers and Valleys.—Waitaki Valley.—Tekapo, Pakaki and Ohau Lakes and Rivers.—Mackenzie Plains.—Mount Cook, and cluster of high peaks. (3) Associated Geological Formations of both Islands.

ORDINARY MEETING.

FRIDAY, JANUARY 7TH, 1910.

GEORGE POTTER, F.R.M.S., Vice-President, in the Chair.

The following were elected members of the Association:—Ernest Benskin, I.F.S.; Mrs. E. A. Cassels; Guy Evelyn Ponsonby; Herbert Edward Taylor.

The following paper was read:—"On *Belemnocamax howeri*, n. g. et sp., A new cephalopod from the Lower Chalk of Lincolnshire," by G. C. Crick, F.G.S. See *ante*, p. 360.

The following lecture was delivered:—"The Volcanic History of Victoria," by Prof. Ernest W. Skeats, A.R.C.S., D.Sc., F.G.S.

SYNOPSIS OF LECTURE:—The area covered by Volcanic rocks in Victoria is about one-sixth of the State, *i.e.*, roughly 15,000 square miles. Stratigraphically arranged, the following are the chief groups represented:—

Basal Ordovician (?)—The Heathcote series of Diabases, agglomerates and tuffs.

Lower Devonian (?)—The "Snowy River Porphyries" of Eastern Gippsland, including Rhyolite lavas and tuffs and Alkali Rocks. The Dacites, Quartz Porphyrites, etc., of Macedon, Dandenong, Healesville, etc.

Upper Palaeozoic—Upper Devonian (?) or *L. Carboniferous* (?)—The Quartz Porphyries and Rhyolites with Melaphyres of Mt. Wellington in East Gippsland. Probably here come the Quartz Porphyries of Grangeburn, etc., in the Western District.

Lower Kainozoic.—The "Older Basalt" series of lavas, tuffs, and volcanic necks of South Gippsland and the Melbourne District.

Middle Kainozoic (?)—The Alkali series of Macedon and the Western District, including plugs, cones, lavas, tuffs, and agglomerates.

Upper Kainozoic to Recent.—The extensive basalt flows of the Western District, the Keilor Plains, the Ballarat area, the Loddon valley, etc. Agglomerates, scoria, and tuffs are well represented near the well-preserved volcanic cones of this series.