

Prof. A. E. Nordenskiöld next described some new discoveries of minerals at Nordmarken and Långban in the Province Wermland. Magnificent crystals of zinkblende, in tetrahedrons with one-inch edges, of magnetic iron-pyrites, etc., had been found. The Professor then made some remarks in connexion with a paper: "Om de Nordenskiöldske jærnmasser" (On the Nordenskiöldian Iron-masses) by Kand. K. A. V. Steenstrup.

GEOLOGISKA FÖRENINGENS I STOCKHOLM FÖRHANDLINGEN.

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Vol. III. No. 1. (Contents).—Nordenström, G. Further Account of the Solstad Copper-mine in Sweden.—Gumalius, O. Some Observations on the Glacial Deposits of Sweden.—Thorold, A. F. Is the Length of Time wanted for the Reproduction of Lake- and Bog-ores known? and if so, how large is that Time?—List of Members of the Geol. Soc. of Stockholm at the beginning of the year 1876.

Vol. III. No. 2.—Sjögren, A. On the Mode of Occurrence of the Taberg Iron-ore in the Province Småland, Sweden.—Pettersen, K. On Serpentine- and Olivine-rocks in Northern Norway.—Linnarsson, G. Geological Observations during a journey on Öland.

Vol. III. No. 3.—Lundgren, B. On the Species of *Inoceramus* in the Cretaceous Beds of Sweden.—Holst, N. O. On the Glacial Gravel-ridges (Åsar).—Widman, O. Contribution to the Knowledge of the Composition of Condrodite.—Engström, N. Analysis of so-called pale Knebelit from Dannemora. (The mineral is, according to Prof. Nordenskiöld, Pyrosomalite).—Nordenskiöld, A. E. Kupfferpecherz from Ural.

CORRESPONDENCE.

ABSENCE OF THE LLANDOVERY ROCKS IN THE LAKE DISTRICT.

SIR,—I see in his Table of Silurian Strata,<sup>1</sup> Mr. Hicks assumes that both the Upper and Lower Llandovery beds are represented in the Lake District. This is not the case, both the Upper and Lower Llandovery are absent in the Lake District. The lowest beds of the Upper Silurian in the Lake District are the equivalents of the Tarannon Shales (locally called Stockdale Shales), lying at the base of the Coniston Grits and Flags, which are equivalent to the Denbighshire Grits and Flags.

The Tarannon or Stockdale Shales, with which are associated the black Graptolitic mudstones, rest, with a very slight unconformity, on the Coniston Limestone series, which is not the representative of the Hirnant Limestone only (a small calcareous band near the top of the Bala Beds in North Wales), but of a much greater thickness of the Bala series. The Coniston Limestone series consists of various thicknesses of shale, limestone, and ashy sandstone. Between this series and the great subaerial volcanic series of the Lake District there is, as I have before shown,<sup>2</sup> a considerable break.

KENDAL, 7th April, 1876.

W. TALBOT AVELINE.

WASTE OF INSULAR LAND BY THE SEA.

SIR,—Some time ago I came across an ancient map showing, at three different periods, the size and form of the Island Helgelandt (Helgoland). Even if the map is not strictly accurate, it may, I think, be considered approximately so, and worthy of being repro-

<sup>1</sup> GEOL. MAG. April, 1876.

<sup>2</sup> GEOL. MAG. Vol. IX. p. 441.