

ADDITIONAL NOTES ON THE GEOLOGY AND PALÆONTOLOGY OF OTTAWA AND ITS ENVIRONS.

By Henry M. Ami, M.A., D.Sc., F.G.S., &c., &c.

INTRODUCTION.

The following notes comprise a brief sketch or resume of work done by the writer during the season of 1890 in connection with the Ottawa Field Naturalists' Club.

From my note book I find that no less than nineteen excursions and sub-excursions were held in various directions around Ottawa. Old Chelsea, Lachute, Casselman, Rockliffe, Moose Creek, Hull, Gloucester and several localities within the city limits, were visited and numerous forms of interest were gathered. The variety and quantity of material still to be discovered and described which the various geological terranes about Ottawa can afford are sufficient to satisfy as well as entice the student of Geology for years to come.

NOTES.

Old Chelsea.—On the 31st of May, Butternut Grove, Chelsea, was visited by about 125 members of the Club. The geological party, amongst whom were Prof. L. W. Bailey, of the University of New Brunswick, and Mr. H. T. Martin, of Montreal, visited the magnificent outcrops of crystalline limestone at the ravine, near Old Chelsea, and brought back an interesting suite of specimens illustrating the character of the belt of Archæan rocks in that district. Specimens of apatite, asbestos, serpentine, pyroxene, wollastonite, gneiss, diabase, and numerous other rocks were obtained and described by some of the leaders on the spot.

Lachute.—On the 7th of June, a joint excursion of the Natural History Society of Montreal and of the O. F. N. C. was held in the picturesquely situated town of Lachute, Que., where the geological section was put in charge of Mr. McOuat, B.A., and the writer. The Laurentian and Carboniferous horizons were visited and a number of the characteristic fossils from the latter terrane were observed in the collections, which, as judge in the awarding of prizes, I had an opportunity of examining. *Ophileta compacta*, Salter, (*O. complanata*, Vanuxem), *Pleurotomaria Canadensis*, Billings, *Murchisonia Anna*, Billings, and fragments of other forms were noted.