

The lower plateau between the hill and the river shore is occupied for the most part by the Calciferous formation and a series of strata which may be termed a transition series between the Calciferous and Chazy. The magnesian limestones and concretionary argillaceous beds such as were noted at the Queen's Park, Aylmer, crop out at this locality and are superimposed by sandy shales and marls which compose "the hill" south of Cumberland village. On the top of the hill and brow thereof, bands of a limestone full of the characteristic *Rhynchonella* (*Camarotoechia*) *plena* were seen from which excellent specimens were obtained. Above this a few characteristic fossils of the Black river and Trenton formations were also noted. Above all of these and along the cultivated flats and farm lands occur the fossiliferous clays and marls of Pleistocene age. Thousands of shells of *Saxicava rugosa* occur together imbedded in a sandy clay at the foot and along the slope of the hill on the road to Ottawa on Mr. Gamble's farm. *Balanus crenatus* also occurs rarely along with the former named species.

The limestones of Lower Trenton and Black river age are well exposed along the roadside and exhibit beautiful examples of glacial striæ. The majority of the markings, trend for the most part due north and south, but at times are very irregular in direction which fact indicates the oscillatory movements and shifting of the direction of the great ice sheet carrying boulders of Archaean age, many of which can be seen on the upper ledges of the Ordovician strata as they were deposited or left by the ice as it melted at the close of the glacial period. H. M. A.

NOTE.

GOOD GEOLOGICAL SECTIONS.—The Leaders of the geological section desire to draw the attention of members of the Club to the numerous excavations going on in the City for the Main Drain. These excavations afford excellent sections, and as in the case of earlier public works of the same nature when valuable notes were taken, it is hoped that records will be kept to show the character of the strata traversed in various portions of the City and afford material wherewith to lay down the boundaries of the various geological formations traversed with greater accuracy. H. M. A.