

and mode of preservation of the material brought allowed. In this way lists have been made and kept for future reference and use. Amongst the interesting localities from which fossils were obtained during the past year, Mackay's or Hemlock Lake may be mentioned. From the marine sands underlying the shell-marl deposit as well as the fresh-water gravels immediately underneath the shell-marl deposit, a number of *Portlandia arctica*, have been obtained. The specimens are usually small and in some respects suggest *Portlandia minuta*. However this boreal variety of *Portlandia arctica*, would scarcely be obtained in a series of sediments which were deposited at the close of the period of marine submergence, it would rather be found in the earliest deposit of the same period.

The Utica shales which were excavated in the vicinity of the Isolation Hospital have yielded an abundance of interesting forms, whilst the Trenton bluffs about Ottawa still teem with organic remains, many of which are no doubt undescribed. There is a great need now of a series of continuous sections carefully measured and described, prepared from the numerous and varied outcrops of these formations within the Ottawa district.

At the excursion to Casselman, along the line of the Canada Atlantic Railway, the Geological section descended the valley of the South Nation River below the railway bridge to a point where the river takes the turn westward, and specimens of Trenton (Ordovician) fossils were obtained from the numerous outcrops of the limestones along the right bank. The species have been determined and lists kept for reference. Besides these about thirty small pieces and fragments of pottery were obtained from the old camping ground and village site of the aborigines of this country. Portions of pots and also of celts were collected with bits of charred wood and bark and charcoal, together with numerous bones, or rather fragments of bones, probably of some of the deer tribe. Some of the charred wood and bark found buried in the newest formation just below the turf, or even held within the interlacing fibres of the roots of the turf growing at this locality along the riverside, appear to indicate some forest fire that took place long ago whose charred remains are now found buried quite as deep as the sherds or bits of pottery. It would lead one to