T. Becki in the Utica of the Ottawa Paleozoic Basin, in the County of Carleton. It was armed with numerous spines both on its head and body, besides tubercles or blunted spines on the occipital segment and on the pygidium.

Besides these trilobites vast numbers of the remains of Ceraurus pleurexanthemus occur in the shaly strata which crop out south of Rochesterville, Ottawa, between that village and Carling Lake. This form occurs here associated with Asaphus Canadensis and Triarthrus Becki, Green. In the calcareous bands of Montmorenci. Pointe aux Trembles. Ottawa, Whitby and Collingwood Calymene senaria occurs in tolerable abundance, but usually in detached fragments, the cephalon and pygidium only, being usually preserved. Amongst the cephalopoda, may be mentioned shells of Endoceras proteiforme showing the large size and tapering character of the endosiphon as it is flanked all around and on each side of the septate or camerate portion of the Individual specimens of this species have been found shell. in the Utica of Gloucester and Ottawa whose probable length, when perfect, was not less than six feet. Thousands of small orthoceratites usually referred to the genus Endoceras :---E. proteiforme, var tenuistriatum, etc., etc., are also found throughout the Utica from Murray Bay and Lake St. John to Whitby and the islands north of the Great Manitoulin Island.

These individuals resemble closely the form described by Professor Hall as O. lamellosum, and as they are found appear to be true representatives of the genus Orthoceras. The shell in the younger examples must have been exceedingly delicate and thin from the mode of preservation.

These Orthoceratites are pre-eminently characteristic of the Utica.

The Glossophora or Gasteropoda are not numerous but interesting. As a rule they are crushed and preserved as casts. In a few instances the lines of growth and sculpture is shown with considerable precision.

Amongst the Lamellibranchiata we find such genera

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