

Potsdam Formation.—At Montebello, Mr. Louis J. Papineau has been carrying on extensive operations in this formation and has discovered numerous tracks of marine animals upon the sandstones which once formed an ancient sea-shore. Some beautiful slabs have been extracted.

Chazy Formation.—As has already been noticed in former transactions, the measures of this formation are clearly divisible into these series in the following ascending order: (a) *Sandstones*, with flags and shales; (b) *Shales*; (c) *Limestones*. The sandstones are very poor in fossils. Aylmer town and Pointe des Chenes, however, have yielded a few species, whilst a specimen of *Lingula*, as yet undetermined, but probably new, was found in the shaly division at Hemlock Lake, New Edinburgh; at Hog's Back, Nepean, some very fossiliferous beds occur, one especially noteworthy containing abundance of *Lingula Belli*, (*Billings*), a Lamellibranchiate shell also undetermined and *Cyrtodonta breviuscula*, (*Billings*.) Numerous black phosphatic nodules, probably coprolites, are frequently associated with these.

On the occasion of the Club's visit to Moore's Landing, opposite Quyon, about 40 miles west of Ottawa, the geological branch had a splendid opportunity afforded them of examining a fine section of the Chazy formation. The measures at this place are exposed from the river margin to the top of the hill (with a few places of concealment) a thickness of 135 feet. This exposure can be traced down the Ottawa in an undoubted continuous series as far to the east as Skead's Mills, near Ottawa, along the Ontario shore, outcrops of which are almost everywhere to be seen, but especially about Berry's brewery and along the lake shore and at Britannia. This tract of country was geologically coloured as Calciferous in the 1866 map published by Sir Wm. Logan, but from conclusive palaeontological evidence obtained at this excursion it can be positively asserted that these measures are of the Chazy formation. Deposited horizontally and even now quite undisturbed, the beds at Moore's Landing hold an abundance of organic remains in the uppermost or limestone portion of the section. The characteristic band of impure limestone teeming with remains of *Entomostraca* may also be seen here in its normal position—as at Aylmer, Hog's Back, L'Orignal, etc. from which places it has been recorded.

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