

nearly allied to, if not identical with *Fenestella membranacea* of the mountain limestone, according to Mr. E. Forbes. The abundance of this coral and three shells, namely, *Terebratula elongata*, *Modiola* allied to *M. Pallasi*, and *Avicula antiqua*, brought by Mr. Logan from Windsor, first led to the presumption that the gypsiferous beds were newer than coal; but M. de Verneuil now informs me that *T. elongata* has also been found in the mountain limestone of Yorkshire. The other genera mentioned in the Table accord well with the Carboniferous fauna, a result which we might expect from the association before mentioned of the Gypsiferous marine Limestone with sandstone and shales, containing *Lepidodendron elegans*. It will be seen that the agreement of species from various and often distant localities is quite as great as could have been expected, when we consider the small number of the fossils hitherto obtained.

LIST OF FOSSILS OF THE LOWER CARBONIFEROUS OR  
GYPSIFEROUS FORMATION OF NOVA SCOTIA AND  
CAPE BRETON.

NAMES OF FOSSILS.	LOCALITIES.
1. Trilobite or <i>Limulus</i> .	Debert River, near Truro.
2. <i>Cypris</i> or <i>Cytherina</i> .	South Joggins and Pictou, Nova Scotia.
3. C ——. Second species.	South Joggins.
4. <i>Nautilus</i> . Allied to <i>N. Leplayi</i> , Demidoff,	Brookfield, Nova Scotia.