River, south of Pictou, including Mr. Logan, are agreed that the sandstones and marine limestones, some of them having an oolitic structure, occurring to the south of the Albion Mines, are older than the coal of those mines. Now I found that most of the fossils of those limestones agreed with shells and corals obtained by me in the limestones near Windsor, or in those of the Shubenacadie, accompanying the principal masses of gypsum. Fourthly, both in the Windsor district, and on the Shubenacadie, I found an intimate association between strata containing mountain limestone fossils, masses of gypsum, and coal grits, with *Sigillaria* and *Lepidodendron*, but no seams of pure coal in this part of the series. Fifthly, I observed that, in the Pictou region, as well as at the South Joggins, the strata which I class with Mr. Dawson as the Upper coal-measures, although several thousand feet thick, and respecting the position of which above the productive coal there is no question, contain no marine limestones, or great masses of gypsum. Sixthly, there is a formation of unconformable red sandstone without fossils, which appears on the Salmon River six miles above Truro, lying on the edges of the inclined Carboniferous strata. In this series of beds no limestone with marine shells or gypsum have been discovered.

In illustration of the first of these points, namely, that the gypsiferous rocks occur nearest to the older formations, I may cite, in addition to the Minudie and East River sections already adverted to, the structure of the first country which I observed near Windsor. I saw, for example, the gypsum near the Halifax Road almost in contact with the old slates of the Ardoise