

a paper by Dr. H., which was read before the Natural History Society, and I was requested by him to give some opinion as to their age and nature, which I did, after consulting the late Mr. Billings, and added a note on the subject to Dr. H.'s paper when it was published. Some time afterwards I was surprised to find Mr. Salter's authority cited in direct opposition to mine, with the usual flourish of trumpets as to a great mistake discovered and exposed. On re-examining the fossils, which still remain in my collection, I could not change my opinion of their nature; and never having had an opportunity to compare notes with my poor friend Salter, one of the soundest palæontologists of our time, and who has on more than one occasion done us good service in determining difficult fossils, as the pages of Acadian Geology show, I have not yet had any solution of the mystery, and have not complained of this, though I felt that I had received a poor return for an intended service. The fossils themselves are however of some interest. They consist of two turbinate corals from Lochaber, one from Marshy Hope, one from Doctor's Brook, and one from French River, with a few other species from Lochaber. These corals are in the form of mere impressions, in which state it is not always easy even to distinguish genera. Still, in the deep fossette, the character of the septa, and the traces of the horizontal tabulæ, they all have the characters of *Zaphrentis* rather than *Petraia*; except one from Lochaber, which which can scarcely be anything other than a *Heliophyllum*. The other fossils from Lochaber are a *Stenopora* similar to one found at Arisaig and East River, *Strophomena rhomboidalis*, an *Orthis* resembling *O. elegantula*, and shells resembling *Pentamerus* and *Atrypa*, but not well preserved. The *Zaphrentis* from Doctor's Brook resembles *Z. Stokesii*, a species of Niagara age. That from Marshy Hope seems different, and in its form and deep cup resembles the *Z. rugulata* of Billings from the Gaspé limestones. These might fairly belong to the Lower Arisaig series, and possibly to the lower part of it. The French River specimen is merely a cast of the exterior and quite undeterminable. But the Lochaber species seems different, having a shallow cup, with deep fossette, and from its association with *Heliophyllum* and the other fossils, I still think it probable that it belongs at least to a higher horizon than that of the Lower Arisaig. Of course as I have not seen the specimens submitted to Salter, I cannot express any opinion as to them; but if similar to mine, I am at a loss to account for his opinion, and as the specimens in my possession