

were merely incidentally noticed, but I know that he regretted the error very much, though of course as I had, eight or nine years before, abandoned all idea of these rocks being Devonian, I could not be blamed for it.

Another point raised in the paper now in question, is the use of the terms *Upper Arisaig* and *Lower Arisaig*, a point perhaps of no great geological importance, but of some consequence since the abuse of those names has tended to cause confusion. Dr. H. calls this a "new division introduced in the second edition of the *Acadian Geology*, 1868," but it was really introduced in my paper of 1859 above quoted, and this Dr. H. has himself admitted in the *Journal of the Geological Society*, vol. xx, p. 233, though it seems now to have escaped his memory. The reasons for this division were as follows. The term "*Arisaig series*" is a useful local name for the peculiar development of the Upper Silurian in Eastern Nova Scotia. The results of Prof. Hall showed that the fossils were referable to the *Canton* and *Lower Helderberg*, without the intervention of any distinct representative of the *Niagara limestone*, and as the lower and upper members were somewhat distinct in mineral character, it seemed the most natural course to divide the series into *Lower* and *Upper*. Dr. H., who had an opportunity of showing his fossils to the late eminent palæontologist Mr. Salter, gives on his authority a more minute subdivision into five members. This will be found discussed in *Acadian Geology*, I trust in a fair spirit, and the relations of the two arrangements pointed out. But more recently Dr. H. has thought proper to change the name of the whole *Arisaig series* as before understood, to "*Upper Arisaig*," and to include as "*Lower Arisaig*" rocks which he regards as *Laurentian*. This is objectionable, not only as interfering with established and useful names, but as extending local terms to a degree which no other geologist can possibly accept. It amounts in fact to calling the whole *Eozoic* and *Lower Palæozoic* by the local name "*Arisaig series*." For these reasons I shall continue, as heretofore, to use the terms *Upper* and *Lower Arisaig* for the subdivisions of the Upper Silurian as represented at that place.

Another question raised in this paper relates to certain rocks at *Lochaber*, in which Dr. H. affirms that he found fossils of the genus *Petralia*, which I had informed him belonged to the genus *Zaphrentis*, and thereby misled him as to their age. The specimens referred to were sent to Montreal in 1860, along with