

for his own sake, that he has ventured to attack Mr. Billings's determination of the age of the fossils, as he has done (p. 480), and also that he has republished his section of the Wentworth cutting, in which the well-known intrusive dykes of dark diabase, so abundant in the Cobequids, figure as bedded diorites, and swell the thickness of a section which is in many respects truly "remarkable." I have not had an opportunity to examine Dr. Honeyman's collections from Wentworth; but those I have myself made, and those I have seen in the Museum of the Geological Survey, by no means warrant his determination of a Bala or Hudson River age. This subject will be found noticed in the Supplement to *Acadian Geology*, p. 75.

This review has extended to too great a length; but one is tempted to notice the Laurentian discoveries of the author. Dr. Honeyman, when employed by Sir W. E. Logan in 1868 in exploring at Arisaig, examined the coast east of Malignant cove, and found there the extension to the sea cliff of rocks apparently identical with that old metamorphic series which I have named the Cobequid series. These he has described as Laurentian, and quarrels with Sir W. E. Logan, Dr. Hunt and myself for failing to admit this age. My own justification is,—first, that, as Dr. H. admits, there is no good evidence from stratigraphy or fossils to prove this great age; and secondly, that after somewhat extensive studies of Laurentian rocks, I have been unable to see any resemblance between the typical rocks of this age and the so-called Laurentian of Arisaig, the Cobequids and southern Cape Breton. All these rocks I hold, for reasons stated in the Supplement to *Acadian Geology*, to be probably either Lower Silurian, Cambrian or Huronian. Dr. H. repeatedly taunts me with affirming these rocks, and even those of St. Anne's in Northern Cape Breton, to be Devonian; and goes so far as to relate an anecdote (p. 453) which would seem to show that so late as 1867 he had retailed this fiction to Sir Wyville Thomson, in connection with specimens of *Eozoon* stated to have been obtained in these rocks. Lest the same practical joke should be played on others, it may be well to say that I have never seen anything resembling *Eozoon* from St. Anne's, and that I am not aware of ever having supposed the crystalline rocks of that promontory to be Devonian. In reality, after much study of specimens, and after revisiting in 1877 some of the most instructive sections in Nova Scotia, I fail to perceive any good lithological evidence for the Laurentian age of any of the older rocks of the Province, except some of those in