NOTES ON GEOLOGICAL MATTERS IN CONTINUATION

Read before the Geological Section, February 22nd, 1895.

The Council of the Association were kind enough to publish, perhaps, more papers on Geological matters than we could have reasonably expected. Still many written or verbal remarks in explanation are necessarily omitted, and could not well be incorporated in the proceedings. I am not surprised to learn that a doubt I expressed relative to the age of a portion of the rocks on the north shore of Anticosti requires a little additional light, more especially since the views expressed appear to be opposed to the opinions of Sir W. Logan and Professor E. Billings. My remarks, I believe, to this effect, were as follows, in reference to the Silurians of the North shore : "While these rocks undoubtedly hold many organic remains, found below the Hudson River series, I doubt whether any of these beds themselves occur there." The conclusion arrived at by Sir W. Logan and Prof. Billings rested solely on organic remains obtained by Richardson, an officer of the Canadian survey. Evidence of this sort may not prove altogether reliable. For instance, between the West Point Light-house and Ellis or Gamache Bay there are a good many well-preserved fossils in shale at the foot of a small cliff. They represent a curious mixture of Upper Hudson River (Bala) and Niagara (Wenlock) specimens. The majority obtained by Richardson there belonged to the latter series, whereas the ones I extracted belonged to the former, and I looked upon these shales as true passage-beds, connecting the Cambro-Sils. and the Silurians.

I wish to call particular attention to the following paragraph, taken from page 221, "Geology of Canada, 1863 :" " Loose frag- " ments of black, strongly bituminous shales (Graptolitic) in every " way resembling those of the Utica formation and of some of the " interstratified beds of the Hudson River, are met with on the " beach on the North side of Anticosti. These are probably washed " up in storms or pushed up by the ice from the intermediate chan-