

but there is some new forms -
 I grudge no expense of Carriage of specimens
 Pray remember me to your father & mother
 & W. Poole, from whom we have heard, and
 Duncan for his notes, though I have not
 seen yet. The ^{2 species of} Mytilus, ^{or rather modiola} associated with the



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Victoria
 Nova Scotia
 Via Halifax



Cypris at the Joggins is very like the freshwater Dreissina
 but I believe not the same genus. 77 of marine or freshwater?

W. H. Dall
 Halifax

16 Hart Street, Bloomsbury Sq.
 March 3. 1843.

My dear Sir

I think you said in your letter of Dec^r.
 last that you would send a box by first vessel from
 Halifax. As none has arrived I begin to regret that
 I did not encourage you to send such part of them
 at least as consist of fossil remains by the Steamer -
 Mr. Brown sent me some specimens of Gypsiferous
 limestone from Cape Breton containing scarcely one
 determinable fossil which cost me about £1. before
 it came here, so that I was obliged to discourage
 such communications, but such as you would send
 I should not grudge paying for & should be glad if
 you would send by steamer the small carboniferous
 shells of which you sent drawings in your letter of Oct. 1842

I should also be glad if any pieces I
 would show structure.

The result of the examination of the
 beds is very interesting. They agree marvellously
 our Lower New Red or Magnesian Limestone

Murison & De Verneuil now call Permian, from a Russian type. Some of the species of Productus seem the same. De Verneuil has examined my specimens & among them recognizes *Terebratula elongata*, Schlot. & *T. sufflata*, Schlot. characteristic of the group alluded to, also a small Spirifer, a var. of *S. octoplicatus*, also *Avicula* ^{De Verneuil} *antiqua*, *Pectopora* ^{Levensteini} *flustracea*, & a *Calamopora* ^{Cole} all common either to English or Russian Lower New Red. The rarity of large Cephalopoda & the number of bivalves are other characters of these beds; also the smallness of the species of Productus. The fossil which has given most surprise is a kind of Trilobite in the Debert River slates. Some of the bivalves are scarcely distinguishable from Carboniferous

species. The three fossils which are almost all the localities are *Terebratula elongata* & *Pectopora flustracea*. There is also a *Pecten* in Gay's River limestone, a *Pecten* *Avicula* in the Schabencadie Van Encrinurus

I think my vertical trees of the S. Joz, the same genus as our vertical trees in the Manchester, possibly *Sigillaria*, which according to opinion now gaining ground was dicotyledonous although the vascular texture shows the vessels of ferns. I find among the Nova Scotia Coal-plants, *Sepidodendron*, *Sigillaria elongata*, or allied to it, *S. scutellata*, and another related to *S. DeFrancii*, *Neuropteris flexuosa*, *Calamites Suckowii*, *C. remotus*, or nearly allied to it *Asterophyllites* and *Sternbergia*, also *Stigmaria* in abundance but without structure unfortunately. My specimens are in the course of examination by Messrs R. Brown, Morris, G. Sowerby, De Verneuil & others, and I send you this for your private information, as there will be corrections & additions to make & I shall not be able to publish for some time so do not wish it to be given out generally. The analogy of your Coal-plants with a