

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

My dear Sir

I think you said in your letter of Dec<sup>r</sup>.  
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 of any piece  
which would show structure.

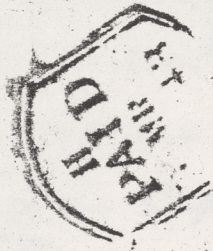
The result of the examination of the  
beds is very interesting. They agree marvellously  
with the New Red or Magnesian Series.

Murchison & De Verneuil now call Permian, from a Russian type. Some of the species of *Productus* seen 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* <sup>Pect. Inequivalens</sup> *antiqua*, *Pectepora* <sup>Levensteini</sup> *flustracea*, & a *Calamopora* <sup>Cove</sup> 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 Trilobites in the Debert River slates. Some of the bivalves are scarcely distinguishable from Carboniferous ones. The three fossils which are almost all the localities are *Terebratula elongata* & *Pectepora flustracea*. There is also *Vatica* in Gay's River limestone, a *Pecten*

Manchester, possibly *Sigillaria*, which an  
opinion now gaining ground was dicotyl.  
although the vascular texture shows the  
veins of ferns. I find among the Nova Scotia  
Coal-plants, *Lepidodendron*, *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 nothing but 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.  
I am  
Yours  
Coal-plants with

our lower

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



J. M. Dawson Esq.

Victoria

Dr. Stearns  
 via Halifax  
 Nova Scotia

Cypris at the Joggins is very like the freshwater Dreissena  
 but I believe not the same genus. 97 of marine or freshwater?  
 believe me  
 my dear

March 1857  
 Chas. S. Sill

Boccula in the Schubenacadie Van Encrinus

The analogy of