

Acton Sept 28, 1899

Dear Sir

I now send the papers on our Newer Coal formation, promised in my last. I have packed up the slab with tracts, the sections, and a variety of copies of the formation, as referred to in the paper, in a box, which I will send to the safe opportunity. The slab is in several pieces, which can easily be joined. It will be a great favour if you can let me know as soon as possible, if any impression can be got from it respecting the animal which caused these impressions. Should you wish to form one if after it has read before the York society (it should have that honour) I might send an abstract of the paper to Prof. Hallowell, notwithstanding your discoveries, some of the writers in his journal are still in the dark about our "Newer Sandstones" and consider them equivalent to the Connecticut red Sandstones, to which no truth has been lost formation bears considerable resemblance.

I have endeavoured to describe the arrangement of the formation as clearly as possible, and have given a description of each kind of rock in the series, which, though perhaps not very interesting, you will be able to value when you remember our Shubenacadie discussions about "new and old reds". The Newer Coal formation is a more important series than I supposed

It is to be when you were here. I hope you will approve of my submission of Coal formations and of the names, which, if I recollect rightly, are applied in Scotland to similar groups of strata.

I give below the Synonymy of our Pictorial groups of red sandstones in case you should wish to refer to Jernin or Smith.

| Smith & Brown<br><small>(Halifax)</small>            | Jernin   |  |
|--|--|--|
| Mountain Limestone of Cariboo<br>and Pictou Plateau  | Do   | Newer Coal Formation                     |
| Syke at Glasgow & Middle R.                          | Do   | Conglomerate of do                       |
| Coal measures of Fraser's Mt. Do.<br>by R. & Cariboo | Do   | Newer Coal Form.                         |
| New red sandstone of West R.                         | Do of Pictou in general<br>New red of Merigamish | Newer Coal Form<br>+ older Carboniferous |
| Old red sandstone of Cariboo                         | Old red Sd of Cariboo                            | Newer Coal Form                          |

Most of the "New red sandstones" belong to the Newer Coal formation; and I think I cannot have made any great mistake in determining their relations. In the box with the sections, is a map distinguishing the 3 divisions of Carboniferous; & one curious fact shown by it is that the strike of the N.C. differs from that of the older members, in consequence of disturbances occurring during the Carboniferous period, as I suppose.

I have put in a corner of the box, a specimen of a beautiful variety of stibidite, found in one of the great masses of gypsum on the East River.

With best wishes, yours respectfully,  
J. W. Dawson.