

Jersey or Pennsylvania. From the standpoint of botanical evidence, therefore, the testimony points conclusively to the fact that the climate of the Don period must have been much warmer than now, and in all probability similar to that of the Middle United States.

The plants of Green's Creek, Scarboro Heights, Moose River, Besserer's and Montreal are different from the above and constitute a distinct group, probably, also, of different age. They are essentially of the same character from all these localities, and represent a vegetation which is, without exception, the same as that which now flourishes through the same region. They indicate beyond doubt, a climate similar to that of our own time or possibly a little more severe.

In reviewing the evidences of climate afforded by the plants derived from the Leda clays, Montreal, and from the nodules of Green's Creek, Ottawa, I find that Sir Wm. Dawson expressed a similar opinion as long ago as 1868, holding that the plants derived from the latter locality must represent the vegetation of the same region, and not remains which had been brought in from either more southern or more northern localities, and that, therefore, the climate indicated would be comparable with that of the southern coast of Labrador bordering upon the Gulf of St. Lawrence, at present.¹

With respect to the Pleistocene deposits in the vicinity of Toronto, Prof. A. P. Coleman has recently drawn attention to the fact also made clear by our tabular presentation, that in the Don valley, and in Scarboro Heights, the deposits were laid down at different times and belong to periods of very different climatic character. This view is supported not only by the flora but by the fauna also, and Prof. Coleman concludes from the evidence thus afforded, that the climate of the Scarboro Heights period must have been similar to that now existing about Lake Superior and in Labrador. He is also inclined to favour the view that the Scarboro beds were laid down first, in which case it would appear that since the Don period the climate of that region has undergone a further change, whereby it is approaching the conditions of the Scarboro period.²

So far then, as evidence is at hand, it would seem to indicate that during the Pleistocene period, similar climatic conditions prevailed throughout the region now embracing Scarboro Heights, Green's Creek, Moose River, Montreal; and it is probable that the deposits of these various localities were contemporaneous.

¹ Can. Nat., N. Ser. III., 74; VI., 406.

² Jnl of Geol. III., 636.