

Geology.

The area which I examined at Kentville is about one-fourth of the size of the Wolfville area, and much more irregular.

It begins at the town, the first strata being exposed at the mill, a little above the bridge, on the side and in the bed of the brook. At the great dam, a little further up they are well exposed on either side, a little above this they disappear in the brook giving place to another formation (Triassic.) They are again seen in a limited section on the Beech Hill Road. This shows that the height on the right hand is formed of these pre-Carboniferous rocks. The continuation of these rocks, above the upper bridge, is manifest by exposures in the bed and sides of the brook and in outcrops in the high lands on the right.

Between the bridge and Kentville there are several branches of the brook. The most important of these has two water falls the lower and the upper, the one is at the Webster farm, the other near the summit of the height at New Canaan.

The rocks of the area are slates and shales with occasional arenaceous beds. Their colouring is sufficiently varied, being red, faun, black and grey. They are not so highly metamorphic as the rocks of the Wolfville area and their stratification is more obvious.

In the brook at Kentville some of the strata are yellow with beautiful red wavy lines, having the appearance of woody (pine) structure.

At the dam the slates are black and deep red (ochrey) with occasionally green films of carbonate of copper.

The rocks of the lower falls at Webster's are the *Dictyonema Websteri* slates of the "Webster Collection" in the museum. These are of considerable thickness having a homogeneous aspect, interrupted only by a few arenaceous beds with vesicular structure.

It seemed a hopeless task, to look for fossils in such a mass. I made up my mind to be satisfied with the museum fossils and merely collect specimens of the slates of 'the Fall' for my rock collection. Catching a piece out of the strata on the left side of the fall I was pleased to find that I had, with my usual good fortune in similar circumstances, found a bed of the desired *Dictyonema*. In this I collected several beautiful specimens with perfect structure and form.