

little *crossing* meanwhile, we have been going along the *strike* of the strata.

The best section we have observed is at Folly River Bridge,

We now traverse what was once called the "Grecian Bend." Before reaching Londonderry station we have a fine section of red Conglomerate. This is the lowest member of the Triassic series of strata. We regard this as an "ancient sea beach" formed by the seas of the Triassic Period. At the station we have passed into the Carboniferous formation; some would call it the Permo-carboniferous. In the one case there is considered to be, what is called, a "break in succession", the Permian Formation being supposed to be absent. In the latter case the succession is considered to be regular. The order, *descending*, is Triassic, Permian, Carboniferous. We now pass through the coal measures which include the "De Bert Coal Field" which lies to the east of the I. C. R. The sections are of sandstones, clays, etc. Near the end of the "bend" we have sections of the Lower Carboniferous Conglomerates. Here we have another "ancient sea beach" which was washed by the seas of the Lower Carboniferous Period.

Passing into the mountains we enter upon sections of metamorphic slates, etc. This is the formation that includes the new deposits of Londonderry mines. If the geological succession be regular this is a Devonian formation as it precedes the Carboniferous. It was once referred to this age. Subsequently it was considered to be of Upper Silurian age. Heretofore there has been no positive evidence found in order to determine its age. Analogical evidence has alone been available. Mr. Ellis of the geological survey says that he has found true Devonian Fossils in the eastern extension of these rocks at Riverdale. If such be their character we may have to revert to the old opinion that the formation is of Devonian age. *In the meantime* we regard it as Upper Silurian with the Devonian absent. We therefore regard *Devonian Time* as unrepresented. Ascending into the mountain we go along Folly River and come to Folly Lake. We have now reached the *highest elevation* in the I. C. R., *topographically*, and we have descended to the *lowest position*, *geologically*. Since we left the Si-