

The occurrence of these limestones at the anticlinal folds of the formation has been noticed in a general way by Dr. Ellis, of the Geological Survey staff, who is now engaged in mapping the general geology of a very large district north of the Ottawa River, extending from Ottawa city eastward, nearly to Montreal. The writer, however, believes that this is the first attempt to explain *in detail* the reason of this association on the basis of subsequent alteration in place, and to put forward a theory which should harmonize all the features observable both in the larger and more definite areas and in the smaller and scattering patches found throughout the district.

Since writing the above I understand from Dr. Selwyn, the Director of the Geological Survey, that in some correspondence he had with Messrs. Rowney and King in regard to their book on Rock Metamorphism, issued in connection with the Eozoon controversy in 1881, he wrote as follows: "I am led to believe that the two kinds of limestone or dolomite have had a distinct origin and that the non-fossiliferous and generally crystalline set are newer than the strata with which they are associated. Nearly if not quite all our Laurentian and Huronian limestones seem to me to have this non-contemporaneous character notwithstanding that they conform more or less perfectly with the lamination and with the larger flexures of the associated gneiss."

---