

stones, are well exposed, and present a compact fauna, which in *facies* closely resembles rocks in Herefordshire, in Cumberland, Westmoreland, in the Kendal and Ludlow regions of England. The "*Knoydart*" formation consisting of red shales and sandstones and calcareous bands holding pteraspidian and ostracoderm fishes and crustaceans referable to the Cornstone or lower Old Red sandstone of Great Britain, almost immediately overlies the Silurian strata, though no actual contact has been observed. The Silurian series at Arisaig consists of at least four distinct geological formations. Beginning above we have first the "*Stonehouse*" formation, consisting for the most part of dark red, fine-grained shales and mudstones, holding a conspicuous lamellibranchiate fauna, of which *Grammysia Acadica*, Billings, is a well known species, together with a number of interstratified more or less thin calcareous bands holding brachiopods, gasteropods, trilobites and ostracods in abundance. Below this we find the "*Moydart*" formation, which consists of more or less heavy-bedded, light greenish gray and rusty-weathering calcareous strata (in which the "Red Stratum" of authors occurs) and holds brachiopods, gasteropods, cephalopods and crinoids. Beneath this again we have the "*McAdam*" formation, consisting for the most part of impure black carbonaceous shales, which are splintery at times, holding a lamellibranchiate fauna and graptolites. At the base occurs the "*Arisaig*" formation, which comprises buff-weathering, fine-grained compact sandstones and shales, containing corals (chiefly *Streptelasma*), brachiopods, gasteropods and trilobites. The thorough investigation of this series of strata, which indeed, may require further subdivision, is expected to furnish data bearing on the settlement of the mooted question as to where the Silurian stops and the Devonian of America.¹

In the county of Annapolis, Nova Scotia, and in the vicinity of Nictaux, Silurian strata occur including the *Nictaux* iron ore beds and the *Torbrook* sandstone formation, whilst near Kentville, the *Kentville* formation is seen as well as on Angus Brook in the Gaspereau Valley, also at New Canaan, with *Dictyonema Websteri*, Dawson, and at Wolfville in King's county where coralline limestones, red and green graptolitic slates, and other strata at times highly cleaved, squeezed and metamorphosed form conspicuous ridges, and constitute the oldest sedimentaries in the vicinity of the Bay of Fundy and the Blomidon region in the "Land of Evangeline."

In Cumberland county, along the northern slope of the Cobequids, isolated areas of Silurian strata have been mapped out and described by

¹ Remarks on subdivisions of *Arisaig* Silurian are inserted after going to press.—H. M. A.