

quarry near Dunse, he recognized his Irish Cyclopterus. As Mr. Stewart found the Scotch specimen associated with plates of *Pterichthys major* and scales of *Holoptychius Nobilissimus*,—two of the most characteristic ichthyolites of the Upper formation,—there can be no hesitation in assigning to it its place in the scale; and, of course, its position as an Upper Old Red fossil in Scotland may be held to determine that of the interesting group to which it is found to belong on the Irish side of the channel.

With respect to the true place of that deposit of pale quartzose sandstone which overlies the Upper Old Red in Moray, and has become famous in geology for its reptilian foot-tracks, its unique *Stagonolepis*, and its well-marked curious little reptile the *Telerpeton Elginense*, we are not yet provided with any determining evidence. No species common to the Upper Old Red and this rock has yet been discovered in either deposit. Mr. Patrick Duff, to whose labors we owe both the *Stagonolepis* and the *Telerpeton*, is in possession (with the exception of the reptilian foot-prints detected by Captain Brickendon) of all the few fossils found in the superior rock, and of a very ample collection of those of the underlying one; but I have seen nothing in the two sets in the least resembling each other. The late Dr. Mantell supposed, indeed, he had traced a considerable resemblance between the scales of *Stagonolepis* and those of a ganoid of Dura Den,—the *Glyptopomus*. They bear, however, a much closer resemblance to the scales of the *Mys-triosaurus Muenstere*, a reptile of the Lias of Munich, of which I exhibited a good print to this Society about three years ago, the use of which I owed to the kindness of Sir Charles Lyell. When visiting a quarry in this northern deposit several years since, I was informed by the workmen that they frequently came upon foot-tracks like those found by Captain Brickendon. The only other remains of the deposit is that of