

My own opinion is, that all the valleys of the South of Scotland may be said to have been formed generally contemporaneously with the valleys of the adjoining region of the north of England already described.¹

Of this we are certain, that some very ancient valleys in Scotland are older than the Old Red Sandstone, the deposition of which has more or less filled them with detritus, and they are now being re-excavated by running water. Taken as a whole, most of them may be said to be as old as the river-made valleys of Wales and Cumberland, for the disturbances which affected the Silurian and other palæozoic formations of Scotland were coeval with those that first raised the mountains of Cumberland, Wales, and Ireland high above the level of the sea.

¹ A model of the Thames Valley, by Mr. J. B. Jordan, coloured geologically, may be seen at the Geological Museum, Jermyn Street. It clearly explains the relation of the river to the Oolitic and Cretaceous escarpments, pp. 513-15.