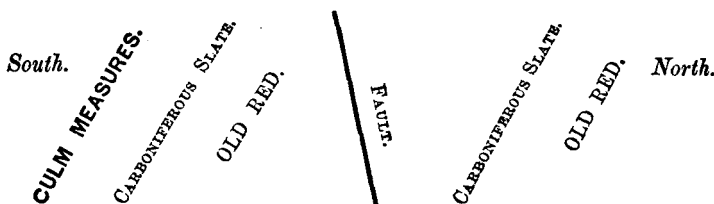


PROFESSOR JUKES ON THE DEVONIAN ROCKS..

To the Editor of the GEOLOGICAL MAGAZINE.

SIR,—In his recent communication to the Geological Society, on November 7th, Professor Jukes argues that the rocks of North Devon are identical with the Carboniferous and Old Red Sandstone rocks of the South of Ireland. His conclusions seem to be mainly based upon great lithological similarity, and are strongly contested by English Geologists, chiefly upon palæontological grounds. It is admitted by both sides that the Devonshire rocks from the Culm Measures northwards, dip steadily to the south, but the large thickness thus represented is, according to Professor Jukes' view, reduced by a great east and west fault along the strike allowing the northern portion of the rocks to sink upon that side, and causing a belt of Old Red Sandstone to make its appearance crossing the country along with it, and producing the following order of succession:—



His opponents deny the existence of the fault, and look upon the whole as a regular sequence of Devonian (or Old Red) rocks, with successive fossiliferous zones passing upwards into the Culm Measures.

Mr. Jukes' idea, if we mistake not, has been to a certain extent, in one way or another, long since advocated by some Irish Geologists, who have held that plant-bearing beds in North Devon had representatives in the Irish Old Red Sandstone, or at least that the Devonian rocks of that district, and a large portion of the Irish Old Red, both belonged to the obsolete Greywacke formation. At all events, whether the difference between the fossils of these English and Irish areas be sufficient to establish a difference in their Geological nomenclature, or not, it must be remembered that the rocks of both districts having a somewhat similar general strike, and a strong lithological resemblance, are geographically so situated as to have been apparently once connected, although the organic remains on each side of the Channel differ more than might have been expected from the aspect of the rocks.—Yours truly,

LONDON, Nov, 9, 1866.

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GLACIATION IN DEVON AND ITS BORDERS.

To the Editor of the GEOLOGICAL MAGAZINE.

SIR,—The Rev. O. Fisher, in his article on "The Probable Glacial Origin of Certain Phenomena of Denudation," which appears