

## THE GLACIATION OF IRELAND.

SIR,—The discrepancies between the directions of ice movements shown in Professor Kendall's enlargement of Mr. Wright's map, and in that by myself (*Phil. Trans.*, vol. 210 B, p. 143) are due in the case of the four arrows across the Shannon Valley, near Lough Derg, to Professor Kendall having trusted simply to orientation, whereas my arrows were drawn in regard to the topography on Mr. Wright's map. For example, Mr. Wright's southern arrow across Lough Derg continues up the Nenagh Valley to the south of the river and ends there; so does mine; whereas Professor Kendall's is continued right across the mountain Slieve Kinalto. Mr. Wright's next line crosses Lough Derg further north and bends round into the valley of the Nenagh and reaches it at the bend, where it is joined by the Ollatrim; and I ended it there to avoid carrying it into the upper Nenagh. The northernmost of the four lines begins on the lower Bunowen River and crosses the Shannon at its confluence with the Little Brosna. My line passes through both points, but omitted the further continuation, that being less clear and not affecting its relations to the Eskers.

The glaring discrepancy in the north-western corner of Professor Kendall's map, near Clew Bay, is due to its omission of one set of Mr. Wright's lines. Mr. Wright's map shows two movements in Mayo crossing one another at or nearly at right angles. Professor Kendall has left out one series, thereby suggesting that the two arrows on my map showing a northward flow were inserted by mistake. I would ask anyone interested to compare Professor Kendall's enlargement with Mr. Wright's original map (*Quaternary Ice Age*, 1914, p. 49). Professor Kendall's photographic apparatus has powers of selection which merit the censure expressed in the last paragraph of his letter.

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## THE STADDON GRITS.

SIR,—I was much interested in the communication to your April issue by Dr. Asselberghs on the correlation between the Meadfoots of Devonshire and the Siegenian of the Ardennes, which forms an important contribution to our knowledge of the subject. He, however, unintentionally I am sure, misrepresents me in suggesting that I have referred all the beds usually included in the Staddon Grits to the *Cultrijugatus* zone. As a matter of fact, I expressly state (*Hand. d. reg. Geol., British Isles*, 1917, p. 106, note) that rocks lithologically similar to the Staddon Grits contain Meadfoot fossils. I also emphasize the fact that the Meadfoot Beds include a number of horizons. The truth is that an immense amount of work remains to be done on the zoning of the Devonian, both in North and South Devon and in Cornwall, and, if Dr. Asselberghs' contribution induces some of our local workers to take this up, it