

MR. CROLL ON THE OSCILLATIONS OF THE SEA-LEVEL DUE TO
THE ADVANCE AND RETREAT OF THE ICE CAP.

SIR,—In my recently published book on “Valleys and their Relations to Fissures, Fractures, and Faults,” in a foot-note on page 182, I refer to Mr. Croll’s paper “On the Glacial Epoch” [GEOL. MAG. July and August, 1874], and point out that the oscillations in the sea-level “will account for the very uniform altitude of the ancient sea-beaches.” As this note was added at the last moment, just previous to the book issuing from the press, it necessarily is not so explicit as it might be, and I find it has been taken exception to. Will you therefore allow me, through the medium of the GEOL. MAG., to supplement the note?

Although I believe Mr. Croll’s theory to be correct, and that the sea in general rose and fell while the land for the most part remained comparatively stationary, yet I do not for a moment imagine that there were no oscillations of the land. On the contrary, such movements are proved in Ireland, as I have shown in different papers on its geology. Take, for instance, the margin and gravels of the “Esker Sea,” which in some districts are at higher altitudes than in others. There are also the post-Drift faults, some being more recent than our newest Drift, which could not possibly have been formed without greater or less changes in the level of the land. Such changes in the level of the land do not seem to be denied by Mr. Croll, neither to me do they appear to affect his theory; as they, with a few exceptions, are mere bagatelles compared with the universal oscillations in the sea-level.

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 MISCELLANEOUS.

PHILLIPS’S GEOLOGY OF YORKSHIRE.—Subscribers to the new edition of the late Professor Phillips’s “Geology of Yorkshire,” Part 1, “The Yorkshire Coast,” will be glad to hear that it has been placed in the hands of Mr. Robert Etheridge, F.R.S., F.G.S., and is now nearly completed; the last proof-sheets having been revised and the new map and plates nearly all coloured. It is hoped that by April the Professor’s earliest and latest work will be issued.

THE BUSTI METEORITE.—Apropos of the “Chapter in the History of Meteorites” now appearing in this MAGAZINE, Dr. Flight desires us to state that, since the publication of the January Number, he has ascertained that a preliminary note on the Calcium Sulphide of the Busti aerolite, mentioned on page 16, was published in the *Brit. Assoc. Reports*, 1862, “Notes and Abstracts,” Appendix ii., page 190.—
EDIT. GEOL. MAG.

VOLCANIC ERUPTION IN JAVA.—“THE HAGUE, FEB. 3, 1875.—The Government has received a despatch from Batavia, of to-day’s date, announcing an eruption of the volcano Kloet, in the island of Java, whereby great destruction has been caused at Blitar.”