

## PALOPLOTHERIUM ANNECTENS, OWEN.

SIR,—The specimens described, June, 1847, as of *Paloplotherium annectens*, being of an immature individual with the last lower molar, *en germe*, in its formative alveolus (Quart. Journ. Geol. Soc. Vol. iv. pl. 3, fig. 4) the hind lobule was not calcified. Subsequently receiving from Hordwell the mandible of an adult, I had it placed by the side of the first specimen, and labelled with its name in the British Museum. The rapid accumulation of materials has delayed the Second Edition of my “British Fossil Mammals;” but the rectification of the characters of *Paloplotherium* was made by PICTET in the Second Edition of his excellent “Traité de Paléontologie,” vol. i. p. 312 (“la dernière a trois lobes.”)

RICHARD OWEN.

## THE LIQUEFACTION OF ROCKS AND “VOLCANOS.”

SIR,—My error against Dr. Sterry Hunt and Mr. Scrope, conjointly, was committed in the pages of *Scientific Opinion*, and I acknowledged it in the same publication as soon as Dr. Hunt had shown me that I was wrong. I suppose that I did not read Dr. Hunt's paper, when it appeared in the Magazine in June last.

But I submit that that has not disposed of my letter to you, written a year ago.<sup>1</sup> For in the sentence which he quotes from “Volcanos,” p. 266, it is evident that the author is referring to changes in the condition and mass of the volcano itself; because he immediately instances the sealing up of a fissure by cooled lava, and the accumulation of ejected matter. Changes of pressure, arising from movements in the earth's crust, through the cooling of its general mass, are not suggested.

I am bound to thank Dr. Hunt for his favourable mention of my paper as a whole.

O. FISHER.

P.S.—*Erratum*, at p. 59, line 21, for “fused,” read “glassy.”

## MISCELLANEOUS.

Professor OWEN has recently received, with remains of *Diprotodon*, etc., from the lacustrine deposits, Darling Downs, Australia, portions of a Crocodile, in similar fossil condition, which he determines to be identical with the species of Crocodile still existing in the Queensland rivers.

ILLUSTRATIVE GEOLOGY AND PALÆONTOLOGY.—A very effective chart of British Geology, suggested by Mr. Henry Cole, C.B., for the Technical Education System, has been recently carried out by Mr. James R. Gregory, geologist, of Russell Street, Covent Garden, and is placed in the South Kensington Museum. It is chiefly compiled from, and intended to illustrate, Professor Morris's Geological Chart. The names of the formations, the uses to which the rocks are applied in the arts, and the localities where they are best exhibited, are duly enumerated on cardboard, to which are attached, in parallel lines, various fossils and a few rocks,

<sup>1</sup> GEOL. MAG., Vol. vi., p. 45.