

this zone at this spot is quite a surprise, for, standing at Russell Hill one turns to the left, where at the Haling Pit the bottom beds of the *M. coranguinum* beds are exposed; while immediately facing us at the Purley Junction pits (now ceased to be worked) we have the *M. cortestudinarium* zone; the dip, as revealed by the successive zones to the Chalk escarpment, being to the north and disappearing under the Tertiaries at South Croydon.

One can only account for this zone by a fold in the Chalk, as we have at Beddington, a little further south-west, the upper part of the *M. coranguinum* beds exposed which are at a lower level, according to ordnance datum, than Russell Hill.

Subsequent discoveries will be watched with interest by all workers in Chalk geology.

G. E. DIBLEY.

7, CHAMPION CRESCENT, LOWER SYDENHAM, S.E.
August 29th, 1904.

EQUIVALENTS OF THE LOWER CULM.

SIR,—Mr. Jukes-Browne has pointed out to me that in my paper on the Homotaxial Equivalents of the Lower Culm I have left it uncertain what remains in North Devon as the representative of the Lower Carboniferous series, and that I might be understood to mean that there is absolutely no representative of the Carboniferous Limestone in that area. He also reminds me that Salter in 1863 mentioned the existence of soft fossiliferous shales containing Carboniferous fossils above the Pilton Beds to the north of Barnstaple, which I noted as passage beds (p. 397). He further suggests that my table of comparative succession (p. 401) might be amplified thus:—

DEVONSHIRE.			SOUTH-WEST IRELAND.		
Lower Culm	...	...	<i>Posidonomya</i> beds.		
Fremington Beds	...	...	Carboniferous shales	}	Upper
Soft shales	...	...	Carboniferous slate		
Pilton Beds	}	...	Carboniferous, lower part	}	Devonian.
Baggy Beds		...	Coomhola Beds		

I am quite prepared to admit the possibility that the Lower Carboniferous series is represented in North Devon and in South-West Ireland, but at present I am not sufficiently conversant with the palæontology of the Pilton Beds to discuss the question. For its settlement, moreover, some further field-work would be required.

WHEELTON HIND.

STOKE-ON-TRENT.
September 13th, 1904.

MISCELLANEOUS.

EOLITHS: A CHANCE FOR COLLECTORS!—We have learnt from Mr. Benjamin Harrison, of Ightham, that, with the kind permission of Sir Mark Collett, the present owner of the property, he has recently opened a fine section in the Eolithic Drift on Terrys Lodge crest. Mr. Harrison hopes that anyone desirous of studying this drift for themselves will take advantage of this opportunity.