

## CORRESPONDENCE.

ZONES OF THE CHALK AREA OF NORTH-WEST MIDDLESEX  
AND EAST BUCKS.

SIR,—For some time up to about two years ago I was occupied, when occasion permitted, in zoning the Chalk area of North-West Middlesex and East Bucks. Latterly I have been too busy, and I find the chance of my ever being able to take up the work again very remote. I am therefore sending you a note of such results as were obtained.

The sections most carefully worked were—

- (1) About 1 mile N.W. of Denham, in the most southerly Chalk outcrop.
- (2) About 1 mile N. of Denham, just under the h 5 in the 1 in. drift sheet.
- (3) Troy Mills, about 2 miles N of (2).
- (4) Harefield Cement Works Pit.
- (5) Harefield Gelatinous White Co.'s Pit.
- (6) Springwell Pit.
- (7) Pit on Golf Course at Sandy Lodge.

*Marsupites* and *Uintacrinus* were nowhere found, in spite of careful search. From Nos. 1 and 2 came several high-zonal *M. cor-anguinum*, and from Nos. 3, 4, and 7 low-zonal *cor-anguinum*. In Nos. 5 and 6, both of which have a section of about 80 feet from the pit floor to the top, the floor in each case being nearly at the same level above O.D., both *M. cor-anguinum* and *M. cor-testudinarium* were found, as well as passage forms, so that both these zones would seem to occur. *M. cor-testudinarium* was also found in an excavation below the level of the floor at Harefield. The junction of the zones can be conveniently taken at a band of comminuted mollusca and echinoids which occurs in both sections.

This band was only a few feet above the floor at Harefield, but at Springwell it was about half-way up, or nearly 40 feet above the floor. This gives a difference of 30 feet in a north-south distance of  $1\frac{1}{2}$  miles, or 20 feet to the mile. As *M. cor-anguinum* was found near Chorley Wood, nearly two miles north of Springwell, and the same species occurs near Watford, there must be a rather sharp flexure of the Chalk south of Rickmansworth, bringing up the lower zones.

Fossils are not common, except in the lower parts of pits 5 and 6, i.e. in the *M. cor-testudinarium* zone. Most characteristic are a flat broad-based pentangular variety of *Discoidea cylindrica* and *Echinocorys vulgaris*. *Parasmilia centralis* was not infrequent. The flints are very spongiferous.

CHAS. E. P. BROOKS.

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## OBITUARY.

## RICHARD LYDEKKER,

B.A. (CAMB.), F.R.S., F.G.S., F.Z.S., J.P. HERTS.

BORN 1849.

DIED APRIL 16, 1915.

It is with deep regret we have to record the death at Harpenden, in his 66th year, of our esteemed friend Richard Lydekker. He was for many years a fellow-worker in palæontology with your Editor, in the British Museum (Natural History), where by his