

2. *Note on SUPPOSED REMAINS of the CRAG on the NORTH DOWNS near FOLKESTONE.* By H. W. BRISTOW, Esq., F.R.S., F.G.S.

ON my return to London, after an excursion made in May 1857, in company with Sir Charles Lyell, Professor Ramsay, and Messrs. Prestwich and Godwin-Austen, to the district of Kent, from which fossils had been got which were thought to be of the age of the Crag, I made a memorandum on the subject, of which the following is a copy:—

“With regard to the sands, &c., seen at Paddlesworth and elsewhere, accompanied by thin bands of iron-grit, I have seen nothing from which it would be at all reasonable to infer that the beds in question were any other than those of the Lower Tertiary (that is, of the Woolwich and Reading series), occurring in their proper position on the denuded surface of the Chalk.

“Beds like the Paddlesworth ferruginous sands occur in the Hampshire Basin, where a part of the Woolwich and Reading series is represented by ferruginous clayey sands, with masses of ferruginous grit, &c*. Another strong resemblance is also borne by these last beds to those of Paddlesworth in the red colour of the sands, as may be observed more particularly at Whiteparish, in Wiltshire, where it would seem that when the mottled clays are replaced by sands the colouring matter is often persistent although the mineral character of the rock varies. With regard to the greater development of ferruginous grit at Paddlesworth, that alone is not enough to afford reliable evidence one way or the other, and in either case it might be a mere local condition over the particular area in question, iron being more or less diffused throughout the lower London Tertiary beds—in some cases (as in that of the basement bed of the London Clay over a small area in Dorsetshire) to the extent of furnishing a very rich bed of iron-ore, which, under favourable circumstances, would prove highly valuable for smelting-purposes.

“If these Kentish beds can be proved to belong to any other member of the Tertiary series, it is only to be done by a careful examination of the evidence given by the fossils. There ought to be little difficulty in this, from the very great interval between the two sets of strata, and from the fact that about 50 per cent. of recent forms ought to be found in beds of the age of the Lower Crag.”

P.S.—From an examination of the fossils shown to him at that time, Mr. W. H. Baily believed them to be of London-Clay age.

3. *On the WARP (of Mr. TRIMMER)—its AGE and probable CONNECTION with the LAST GEOLOGICAL EVENTS.* By the Rev. O. FISHER, M.A., F.G.S.

[Abridged.]

I AM not aware that any geologist since the late Mr. Trimmer has

* The ferruginous bands at Paddlesworth are not seen to be fossiliferous; and the fossiliferous ironstone from the pot-holes at Lenham is not seen *in place*, and may therefore belong to any period.