CORRESPONDENCE.

RATE OF SUBAËRIAL DENUDATION.

SIR,—Referring to Mr. Davison's paper in the September Number of the GEOLOGICAL MAGAZINE, it will not do, as I have endeavoured to show in "Stellar Evolution," to take the average rate of denudation of the seven river basins which he names, as in any way representing the mean denudation of the whole earth. The majority of these rivers are exceptionally muddy, indicating a very high rate of denudation: much above that of the whole earth.

PERTH. JAMES CROLL.

THE FULLERS EARTH OF NUTFIELD.

ERRATUM.—Mr. P. Gerald Sanford regrets that some mistakes occurred in the setting up of the figures of his analysis of the "Fullers' Earth." GEOL. MAG. October, 1889, p. 456, which he desires now to correct.

No. 1. BLUE EARTH.

Dried at 100° C				Insoluble Residue.		
Insoluble Residue	=	69·96 per cent.	=	SiO_2	=	62·81 per cent.
Oxide of iron, Fe_2O_3	=	2·48		Al_2O_3	=	3·46 ,,
Alumina, Al_2O_3	=	3·46		Fe_2O_3	=	1·30 ,,
Lime CaO	=	5·87		CaO	=	1·53 ,,
Magnesia, MgO	=	1·41		MgO	=	0·86 ,,
Phosphoric acid, P_2O_5	=	0·27	Soluble			
Sulphuric acid, SO_3	=	0·05	in acid.			69·96
Sodio Chloride, NaCl	=	0·05				
Alkalies, K_2O	=	0·74				
Combined Water	=	15·57				
		99·86				

P. G. SANFORD.

OBITUARY.

CHARLES SPENCE BATE, L.D.S.R.C.S. ENGL., F.R.S., ETC.

BORN 16 MARCH, 1818; DIED 29 JULY, 1889.

CHARLES SPENCE BATE was born at Trennick, Truro, on the 16th March, 1818. He was the eldest son of Mr. Charles Bate, who for many years practised as a dentist in Plymouth. He was educated at the Truro Grammar School under the late Dr. Ryall. On leaving school he entered the surgery of Mr. Blewett, where he remained about two years; he then devoted himself to the study and practice of dentistry with his father. After becoming duly qualified, he removed, in 1841, to Swansea, where he soon acquired a considerable practice. While at Swansea he developed an ardent love for Natural History, by his knowledge of which he afterwards became distinguished. He was speedily associated with all the scientific men of the place; and on the occasion of the visit of the British Association to the town in 1848, he took an active part in arranging for the reception of that body, and became one of its members. On more than one occasion subsequently he was President of one of the Sections. He was mainly instrumental in securing the visit