

a large supply of mussels. This bed in my opinion was like the 'Bridlington Crag' at the base of the 'Purple' clay. The existence of fragments of shells in the representative of the 'Purple' clay along the shore as far north as Whitby, and pointed out by Mr. Lamplugh, is most remarkable, and suggests a wide extension of such shells antecedent to the deposition of the 'Purple' clay, and he will by further researches at Speeton, Dimlington and other localities, be able hereafter to throw additional light on a subject to which his present paper has given a new and special interest.

NOTICES OF MEMOIRS.

ON THE THERMAL SOURCES OF CARLSBAD, NORTH-WEST BOHEMIA.
By F. VON HOCHSTETTER and F. TELLER. (Proceedings Imper. Acad. Vienna, March 14, 1878.)

THE recent demolition of a house has led to the discovery of a remarkable geological fact—the existence of a peculiar zone, about fifteen to twenty metres broad, between the steep pyritose granite, with frequent veins of hornstone, on which the Town Tower stands, and the similarly pyritiferous granite cropping out beneath the terrace of the Schlossberg. This zone is filled up with a breccia of granite and hornstone, with thermal waters circulating everywhere within its fissures, and depositing on their inner surfaces crusts and veinules of aragonite, some of them $1\frac{1}{2}$ metre thick. The temperature of the whole zone is high, on account of the warm water and steam issuing out of every cleft and crevice.

The situation of this breccia band, as also the direction of the veins of hornstone in the granite, leads to the conclusion that this thermal zone extends northwestward to the *Schloss-Brunnen*, and southeastward to the *Sprudel* Region proper, in the bed of the River Tepl. Thus the views announced in 1856 by Professor von Hochstetter, who affirmed that the chief *Sprudel* fissure lies in a N.W.—S.E. direction, have again been confirmed. COUNT M.

REVIEWS.

THE GEOLOGY OF SUSSEX; OR THE GEOLOGY AND FOSSILS OF THE TERTIARY AND CRETACEOUS FORMATIONS OF SUSSEX. By the late FREDERICK DIXON, Esq., F.G.S. New Edition. Revised and Augmented by T. RUPERT JONES, F.R.S., F.G.S., etc., Professor of Geology, Staff College, Sandhurst; aided by Professor OWEN, C.B.; Sir PHILIP GREY-EGERTON, Bart., M.P.; and Messrs. CARRUTHERS, DAVIDSON, ETHERIDGE, JOHN EVANS, D.C.L., JOHN MORRIS, NEWTON, SOLLAS, TOPLEY, E. H. WILLETT, H. WILLETT, H. WOODWARD, T. WRIGHT, M.D., and other scientific friends.

4to. pp. xxiv. and 470. Illustrated by 64 Plates and 74 Woodcuts. Brighton: William J. Smith, 1878.

IN the early half of this century County Histories were greatly in vogue, and as geologists are not altogether free from a tendency to follow the prevailing fashion of the time, we find such books appearing as "Phillips's *Geology of Yorkshire*;" "Woodward's *Geology of Norfolk*;" "Mantell's *Geology of Sussex*;" "Mantell's