

pseudo-cinctum, *C. ventricosum*, *Ostrea velata*, *Cytherea incrasata*, *Cyrena pulchra*, *Corbicula obovata*, etc.; while the characteristic and purely marine fauna of the Brockenhurst zone is almost entirely absent.

5. Light bluish-green clayey sand, in which specimens of *Paludina* and *Unio* were found.

The position of the marine bed was estimated to be at least 13 ft. above the shore.

About a third of a mile to the east, near Westover Lane End, there is a slight upthrow, showing the *Unio* bed, and also about 10 feet of the underlying green clays; it was under this that the previous writers had placed the Middle Headon marine bed, instead of above it.

A sufficient quantity of the bed excavated was thrown out to enable geologists to identify it for many years to come. I also had some of it brought away to work for the small species.

The pit was inspected by Professor Boyd Dawkins, and by Messrs. H. Willett, of Brighton, and T. W. Shore, of the Hartley Institution, Southampton. These gentlemen were quite satisfied as to the position of the bed. I must add that Mr. Willett, with characteristic generosity, has defrayed the expense of the excavation. Mr. Shore also gave help.

OTTERBOURNE, NEAR WINCHESTER,
October 1st, 1883.

JOHN W. ELWES.

OBITUARY.

JOACHIM BARRANDE.

BORN 1799: DIED 1883.

We regret to record the death of this veteran palæontologist, who, since about 1845, has devoted himself to the investigation of the geology and palæontology of his adopted country, Bohemia. Born in France and educated in Paris, he was early attached to the Bourbon family and went into voluntary exile with them in 1830, taking up his abode thenceforth in the city of Prague. His labours in elucidating the Silurian System of Central Bohemia extending over nearly 40 years have resulted in the production of 22 massive quarto volumes of text, and admirably executed plates of fossils, probably the most elaborate and costly work ever produced by a single worker. (We shall give a full account of Barrande's labours, with his portrait, in our next Number.—*EDIT. GEOL. MAG.*)

We have also to record the death, in his 75th year, of *THE REV. DR. OSWALD HEER*, Professor of Botany in the University of Zurich—the well-known palæobotanist, and author of the admirable work entitled "*Urwelt der Schweiz*" (Zurich, 1865), published in this country by Mr. James Heywood, F.R.S., in 1876, under the title of "*The Primæval World of Switzerland*" (translated by W. S. Dallas, F.L.S., Sec. Geol. Soc.). Dr. Heer is the author of nearly 100 papers on Palæobotany and Entomology.