

Rumney and the Rhætic beds of Penarth attracted his special attention. He obtained a new Silurian alga which was named *Nematophycus Storrei*, and he found in Triassic strata a new species of *Mastodonsaurus*. His researches on these subjects, and many important articles on local botany and archæology, were published in the Transactions of the Cardiff Naturalists' Society. He was awarded the proceeds of the Barlow-Jameson Fund in 1896 by the Geological Society of London. An interesting account of his life and labours, accompanied by a portrait, appeared in the "Public Library Journal" of Cardiff for June, 1901.

JAMES WALKER KIRKBY, F.G.S. EDINB.

BORN APRIL 10, 1834.

DIED JULY 30, 1901.

THIS well-known geologist of Leven, Fife, was author of many good papers on the strata and fossils, Permian and Carboniferous, of Durham and Fifeshire. One paper, in 1882, was written in company with E. W. Binney, for whom he managed the Pirnie Coal-mine. His first paper was published in 1858, and the two last appeared in the Transactions of the Edinburgh Geological Society, 1901, vol. viii, pt. 1. From 1859 onwards numerous papers on the Upper Palæozoic Ostracoda were produced by Messrs. J. W. Kirkby and T. Rupert Jones, as joint authors, having worked together in determining and describing these microzoa.

He was an invalid for years, yet his persistent energy enabled him to throw much light on the succession and characters of the long series of Carboniferous and Permian strata, by his personal research, and largely by the aid of his exact knowledge of the Ostracoda and their associated fossils. The Murchison Geological Fund was awarded him in 1879 by the Geological Society of London.

Having a retiring and modest disposition and very poor health, Mr. Kirkby did not move much beyond the circle of home neighbours and loving friends, but he had many admirers abroad who knew and appreciated his work.

WE have to record the death from apoplexy of Professor EDWARD WALLER CLAYPOLE, D.Sc. Lond., B.A., F.G.S., of Throop Polytechnic Institute, Pasadena, California, U.S.A., one of the founders and for many years editor of the *American Geologist*.

MARTIN FOUNTAIN WOODWARD, Demonstrator in Biology, Royal College of Science, South Kensington, and Secretary of the Malacological Society of London, was unfortunately drowned on the night of September 15th by the capsizing of a boat in a squall at Moyard, near Letterfrack, co. Galway, Ireland, whilst in charge of the Marine Biological Laboratory of the Joint Committee of the Department of Agriculture (Fisheries Branch) and the Royal Dublin Society, at Ballinakill, during the Summer vacation. He was a naturalist of great promise and author of several important papers on the dentition of the Mammalia, on *Pleurotomaria* and other Mollusca, etc. He was the second son of the Editor of the GEOLOGICAL MAGAZINE.