

Papers, including with Mr. de Segundo a Student's Paper on cast-iron beams,¹ for which he received a Miller Prize.

Mr. Robertson was elected an Associate Member of The Institution on the 3rd December, 1889, and was transferred to the class of Members on the 19th February, 1901.

HUBERT THOMAS, born at Edgbaston, Birmingham, on the 13th January, 1839, died at Lowestoft on the 8th September, 1916. For many years, from 1865 until his retirement, he had been Engineer to the Grand Junction Canal Company, having charge of an extensive canal system, reservoirs and pumping-stations, and designing and constructing canal docks, locks, bridges, artesian wells and other works in connection with inland navigation. He had in early years been employed on the Church Bridge and Cannock Chase canals, and the Birmingham canal system. He was elected a Member on the 5th March, 1878.

PEDRO PASCUAL DE UHAGON Y VEDIA, born at Madrid on the 3rd December, 1850, died at Aviles, Spain, on the 17th February, 1916. He was trained at the Royal School of Mines, and joined the Government Corps of Mining Engineers in 1872. For 8 years he acted as Engineering Director of lead mines at Linares and other places. He was then, for 5 years, engaged at Madrid and Bilbao in inspecting iron mines. From 1886 to 1897 he had charge of the Arrayanes lead mines and smelting works at Linares, and from 1899 until his death he was Managing Director of the Royal Asturian Company's spelter works and coal mines at Aviles. He was elected a Member on the 2nd March, 1897.

Colonel THOMAS EDWARD VICKERS, C.B., formerly Chairman and Managing Director of Vickers, Limited, died in London on the 19th October, 1915, aged 82 years. Born on the 9th July, 1833, he was the second son of the late Mr. Edward Vickers, a partner in the steelmaking firm of Naylor, Vickers and Company, of Sheffield.

After being educated at Sheffield Collegiate School and at Neuwied in Germany, the subject of this notice entered the Vickers works in 1850, and at the age of 21 was entrusted with the principal manufacturing control of the business. In 1867 he became senior partner, and from 1873 onwards was Chairman and Managing Director of the firm. The River Don works were established in 1866, since which date the original enterprise has undergone continuous development and extension, taking up in succession the manufacture of heavy forgings, armour-plate, guns, shipbuilding and other subsidiary industries, and attaining at length its present position among the great industrial establishments of the world. To this development, Colonel Vickers's administrative energy and foresight, and great inventive ability,

¹ Minutes of Proceedings Inst. C.E., vol. lxxxvi, p. 235,