

appointed Chief of the staff to Messrs. C. H. Walker and Company, contractors, a position which he retained until his death.

Mr. Manisty was elected an Associate of The Institution on the 24th May, 1870, was subsequently placed in the class of Associate Members and was transferred to the class of Members on the 17th January, 1893.

DAVID MORRIS, born at Ammanford, Carmarthenshire, on the 8th December, 1842, died at that place on the 22nd May, 1913. Having obtained his practical training under the late Mr. C. G. Bateman, of Llanelly, he went out to India in 1867 and was posted to the Karachi harbour works. Subsequently he was engaged on the construction of the Indus Valley and other railways, and in exploring for minerals and developing coal-seams in Baluchistan. From 1890 to 1898, when he retired, he was Engineer to the Karachi Port Trust, and also reported on other harbours in India. He was a lieutenant-colonel of the Karachi Volunteers and filled many local affairs in Wales.

Mr. Morris was elected an Associate Member of The Institution on the 2nd December, 1884, and was transferred to the class of Members on the 21st May, 1889.

JOHN THOMAS NICOLSON, D.Sc. (*Edin.*), born on the 3rd June, 1860, died at Manchester on the 27th May, 1913. Educated at Edinburgh University, he received his practical training at the works of Messrs. R. and W. Hawthorn, Newcastle-on-Tyne. Having gained a Whitworth Scholarship and other distinctions, he studied under Professor Martens at Berlin and was subsequently appointed Demonstrator in Applied Mechanics at Cambridge University. In 1891 he was appointed to the Chair of Mechanical Engineering at McGill University, Montreal. In 1899 he became Professor of Mechanical Engineering in Manchester University and held that position until his death. He received the Watt Medal and a Telford premium for his joint Paper with Professor Callendar on Condensation of Steam,¹ and latterly he took special interest in the subject of internal-combustion engines.

Professor Nicolson was elected a Member of The Institution on the 11th April, 1899.

¹ Minutes of Proceedings Inst. C.E., vol. cxxxi, p. 147.