

FRANK WILSHERE obtained his practical training between 1876 and 1879 as a pupil of the late Mr. C. S. Williams, at Millwall. On completing his apprenticeship, he was engaged from 1880 to 1882 by Messrs. Stanley Hall and Company, Engineers and Contractors, on railway and bridge contracts for the Great Eastern and Great Northern Railways, and on the new works of the Metropolitan Railway at Neasden.

In 1882 Mr. Wilshere accepted the post of chief draughtsman to Messrs. Dennett and Ingle, Engineers and Contractors, of Westminster, and was engaged for 4 years on the preparation of details and calculations for constructional and general engineering work under the late Mr. R. M. Ordish. Upon the death of Mr. Ordish in 1886 Mr. Wilshere was appointed Chief Engineer to the firm, and occupied this position up to the date of his death on the 24th January, 1908, in his fiftieth year. During his tenure of this appointment he acquired considerable experience in dealing with and reinstating defective works and buildings, and also in the erection of structures for carrying heavy weights. He designed and superintended the whole of the work carried out by the firm, comprising constructional work in connection with theatres, public buildings, municipal offices, lunatic asylums, hospitals, and many other important buildings in all parts of the country.

Mr. Wilshere was elected an Associate Member of The Institution on the 7th February, 1899.

WILLIAM THOMAS SUGG, the veteran head of the well-known gas-lighting firm of William Sugg and Company, died at his residence, Morningside, Clapham Park, on the 28th February, 1907, in his seventy-fifth year. The modern gas-industry was the growth of his lifetime, and his work exercised no small influence upon its development in this country. He commenced his independent career as a gas-engineer in 1860, having been trained for the profession by his father, whose assistant he had been for a period of 9 years previously. His experience thus extended over more than half a century, for he remained in harness until the last. Early in that period he acquired a wide reputation for scientific accuracy in all that related to the testing of gas, and in the manufacture, to standard, of street-lamp governors, flat-flame and argand burners and other gas-lighting apparatus. One of his well-known series of London argand burners was selected as a standard testing burner by the first London Gas Referees, whilst

the "Christiania" burner introduced by him embodied the best principles of gas-lighting of the day. With the advance of his reputation for and good scientific workmanship, his business increased apace, and on its conversion into a limited-liability company, Mr. Sugg, who continued at the head of affairs, extended its manufactures in various directions, including regenerative burners, incandescence gas-lighting, cooking-stoves, gas-fires, and every variety of fitting. He was a strong supporter of exhibitions, and his firm gained numerous awards at home and abroad. A member successively of the British Association of Gas Managers, the Gas Institute and the Institution of Gas Engineers, he was a prolific contributor to technical proceedings and journals. In 1876 he read a Paper before The Institution "On Estimating the Illuminating Power of Coal-Gas,"¹ for which he was awarded a Telford premium. Versatile, enthusiastic and hard-working, he was always ready to impart his knowledge and experience to those who sought his aid. In private life a loyal friend, he was well known and generally esteemed in engineering circles, where his death caused deep and wide-felt regret.

Mr. Sugg was elected an Associate of The Institution on the 6th May, 1862.

* * The following deaths have also been made known since the 7th December, 1907 :—

Members.

APPLEBY, CHARLES JAMES ; <i>died</i> 26 April, 1908.	LUNDIE, CORNELIUS ; <i>died</i> 12 February, 1908.
AYRES, ARTHUR ; <i>died</i> 19 December, 1907.	MARSH, THOMAS EDWARD MILLES ; <i>died</i> 19 December, 1907.
BASSETT, WALTER BASSETT ; <i>died</i> 27 May, 1907.	PRESTON, ALFRED ELEY ; <i>died</i> 13 February, 1908.
BOYLE, RICHARD VICARS, C.S.I. ; <i>died</i> 3 January, 1908.	REID, GEORGE LOWE ; <i>died</i> 7 December, 1907.
CARGILL, THOMAS ; <i>died</i> 24 December, 1907.	SELLERS, COLEMAN ; <i>died</i> 28 December, 1907.
DANBY, WILLIAM ; <i>died</i> 12 February, 1908.	SIMPSON, JAMES THOMAS ; <i>died</i> 27 December, 1907.
GOTT, CHARLES ; <i>died</i> 4 March, 1908.	SWAN, Col. HENRY FREDERICK, C.B. ; <i>died</i> 25 March, 1908.
HAY, GEORGE ; <i>died</i> 6 February, 1908.	SWINDELLS, RUPERT ; <i>died</i> 27 February, 1908.
ETHERINGTON, JOHN MUIR ; <i>died</i> 25 February, 1908.	THWAITES, WILLIAM ; <i>died</i> 19 November, 1907.
JAMES, JOHN WILLIAM ; <i>died</i> 10 January, 1908.	WOODCOCK, WILLIAM HUGH ; <i>died</i> 28 March, 1908.
LITSTER, DAVID MICHAEL.	

¹ Minutes of Proceedings Inst. C.E., vol. xlv, p. 151.