

with Sir William Arrol & Co. Ltd. in 1944 to undertake further hydro-electric work as a private consultant in Glasgow. The firm of James Williamson and Partners was constituted in 1947.

He was largely responsible for the design and construction of the Loch Sloy, Tummel-Garry, and Shira power schemes, and it was for this work that he received the C.B.E. in the 1953 New Year Honours List.

Mr Williamson was elected an Associate Member of the Institution in 1907, and transferred to the class of Member in 1923. He was the Author of several technical books and Papers, including those presented to the Institution on "Jetty and Pump-House Works at Barking Power-Station,"<sup>1</sup> and on "Considerations of Flow in Large Pipes, Conduits, Tunnels, Bends, and Siphons,"<sup>2</sup> for which he was awarded a Telford Premium and a Crampton Prize, respectively, by the Council of the Institution.

He is survived by his wife and four daughters.

SIR JOHNSTONE WRIGHT, who died on the 19th July, 1953, was born at Dunning, Perthshire, on the 22nd January, 1883. He received his early education at private school, and later studied at Perth Academy and at the Royal Technical College, Glasgow. He served a 5-year apprenticeship under D. Stewart & Co., Engineers, of Glasgow.

He was mainly concerned throughout his career with the construction, maintenance, and operation of power plant and mains, and in later years with the management of electricity undertakings.

His first appointment was that of Assistant Testing Engineer with the British Electric Plant Co., in 1903. From 1906 to 1919, he was employed by the North East Coast Power Companies, as Construction and Mechanical Engineer, and later as Power Station Operation Engineer.

He was Deputy City Electrical Engineer of Bradford from then until 1922, when he became Chief Electrical Engineer and General Manager of Belfast Corporation Electricity Undertaking.

In 1927, he was appointed Deputy Chief Engineer, and in 1932, Chief Engineer, of the Central Electricity Board. From 1944 until his retirement in 1947, he was General Manager to the Board.

Sir Johnstone, who was knighted in 1943, was elected a full Member of the Institution in 1934. He was President of the Institution of Electrical Engineers for the 1939-40 Session, and in 1944 was nominated to serve on the Engineering Joint Council as representative of that Institution. He was the Author of several Papers on electrical engineering.

He is survived by Lady Wright and his two daughters.

<sup>1</sup> J. Instn Civ. Engrs, vol 11, p. 451 (Apr. 1939).

<sup>2</sup> Min. Proc. Instn Civ. Engrs, vol. 226, p. 135 (1927-28, Pt 2).