

FRANCIS SEBASTIAN BURKE GAFFNEY, born on the 21st January, 1860, received his practical training under his father, the late Mr. Edward Gaffney, formerly Sub-Commissioner of Valuation, on various drainage-works in Ireland. Subsequently he was employed as an Assistant Engineer on the construction of the Bantry Extension Railway, and under the late Mr. James Price on the Lough Erne drainage-works. In 1890 he proceeded to the Straits Settlements to take up the appointment of Assistant Superintendent of Works and Surveys, Province Wellesley. After holding this post for 2 years he was promoted to be Superintendent at Malacca, and thence transferred in 1897 to Singapore. Having acted for a time as Deputy Colonial Engineer and Surveyor-General at Penang he was confirmed in that appointment in 1902, and occupied this position at the date of his death, which took place on the 6th September, 1904.

Mr. Gaffney was a hard-working officer, taking the keenest interest in his duties. He was a Justice of the Peace and a member of the Municipal Council, to which he was nominated by the Government. An enthusiastic sportsman, he participated in all outdoor sports in the colony, and was also an officer of the engineer company of the Singapore Volunteer Corps.

Mr. Gaffney was elected an Associate Member of the Institution on the 10th January, 1888.

---

WILLIAM STUART HARRISON, born on the 11th October, 1866, was educated at the Manchester Technical School and the Owens College. Whilst pursuing his scientific studies, he obtained employment in the General Post Office Telegraph Department at Manchester, and after passing through all grades, acquiring considerable expertness as an operator, he was, in 1888, transferred to the Engineering Department, where he had charge of multiplex telegraphs, testing and relays. The ardour and enthusiasm which Mr. Harrison brought to the study of electrical subjects gained him several successes, and led to his being requested by the authorities of the Manchester and Blackburn Technical Schools, to deliver courses of lectures on these subjects at the schools, which he did while still in the service of the Telegraph Department. In 1891, upon the recommendation of Sir William Preece, he was appointed Manager and Electrician of the China and Japan Telephone and Electric Company, Hong-Kong, and for 13 years, up to the time of his death, he filled this position with ability, bringing untiring zeal and energy to the discharge of his duties.

His death on the 30th October, 1904, at the age of 38, brought an active and useful career to a premature close.

Mr. Harrison was elected an Associate Member of the Institution on the 3rd December, 1901.

---

JOSEPH JOPLING was born in London on the 18th June, 1818, and after serving a pupilage to his father, he became an assistant to Sir John Hawkshaw, Past-President, on the works of the Lancashire and Yorkshire Railway, and subsequently on railway work in Italy. From 1860 to 1862, he was employed by Messrs. Brassey and Company, Contractors for the Maremma Railway, in laying out the first section of the road, and on the completion of this work, he assisted in the construction of the Lemberg and Czernowitz Railway in Austria, returning to England in 1868. With the exception of short visits abroad, he remained in this country until 1873, being occupied during part of the time in the study of military railways at Aldershot. In the latter year, Mr. Jopling went out to Canada to take up the appointment of Assistant City Engineer of Toronto, which position he occupied until 1886, when he retired from the active pursuit of his profession; but until his death he retained the keenest interest in everything appertaining to engineering science. He died at Toronto on the 18th July, 1904, aged 86.

Mr. Jopling was elected an Associate of the Institution on the 7th December, 1852, and was subsequently placed in the class of Associate Members.

---

JOSEPH LYNCH died in Brazil on the 24th May, 1904, aged 59. The youngest son of Mr. Edward James Lynch of Manchester, he was born in that city on the 28th January, 1845, and educated at a private school, after which he went out to Brazil to serve a pupilage to Messrs. John Maylor and Company, Shipbuilders, of Rio de Janeiro. On completing his articles, he secured employment with the Rio de Janeiro Gas Company and subsequently as a surveyor to the Brazilian General Mining Company. In 1871 Mr. Lynch was appointed an Assistant Engineer on the Macahé and Campos Railway, under his brother, Mr. Edward Lynch, the Contractor for the whole of the works, and after acting in a similar capacity on various lines forming part of the Leopoldina system, he became Chief Engineer and Superintendent of that railway in 1878, holding the position until 1882, when he was