

and later in estate-development there. Returning to England in 1892, he was employed first by Messrs. Heenan and Froude, Manchester, and subsequently by the Great Central Railway Company on dock work and railway construction and maintenance until his transfer in 1906 to Marylebone, where he remained until his death.

Mr. Makinson was elected an Associate Member of The Institution on the 1st December, 1896.

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JOSEPH OATES, born on the 15th February, 1875, died at Bournemouth on the 21st May, 1912. Having received his practical training in Cornish mines, he was employed on colliery work by the Barrow Hematite Steel Company. For five years from 1902 he was occupied on surveying work in South Africa, and at the time of his death he was employed by the Mayzapl Copper Company of Mexico.

Mr. Oates was elected an Associate Member of The Institution on the 1st March, 1904.

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JOSEPH PRICE, born near Cockermouth on the 10th June, 1844, died at Wimbledon on the 25th March, 1913. He served his apprenticeship to Messrs. Vicars, of Liverpool, and afterwards gained considerable experience as a marine engineer. He then started in business as an ironmaster, first at Workington and subsequently at Liverpool, where he took over the Brunswick Foundry. Coming later to London, he was associated with Messrs. Le Grand and Sutcliffe, artesian-well engineers, and for some years before his death engaged in consulting practice in Westminster.

Mr. Price was elected an Associate Member of The Institution on the 1st May, 1894.

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JOHN WILLIAM RANDELL, born at Capetown, on the 24th June, 1850, died in London on the 5th January, 1913. Entering the service of the Gas Light and Coke Company as a draughtsman at Bromley in 1876, he was subsequently transferred to Shoreditch and was appointed Assistant Engineer to that station

and Haggerston in 1885. Later in that year he was placed in charge of the two stations and retained that position until 1902, when he was transferred to Fulham, where he remained until his death.

Mr. Randell was elected an Associate Member of The Institution on the 30th May, 1876.

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ERNEST OSWALD ROWLEY, born on the 31st July, 1886, died at Nagpur, India, on the 3rd April, 1913. Educated at Dulwich and at King's College, London, he was first employed on the engineering work of the First Garden City, Letchworth, and was subsequently engaged under Messrs. Willcox and Raikes, Consulting Engineers, on the design of sewerage and water-supply schemes for various towns. At the time of his death he was employed by Messrs. Lane Brown and Hewlett, Engineers, of Nagpur, India.

Mr. Rowley was elected an Associate Member of The Institution on the 5th December, 1911. He held a commission in the Royal Reserve of Engineers.

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WILLIAM ARCHIBALD SCOTT, born on the 5th June, 1857, died at Southport on the 22nd April, 1913. On completing his training, he joined the firm of Scott and Edwards, railway contractors, and for several years until 1882 acted as their chief agent on the construction of Holyhead harbour works. Afterwards he was agent for the late Sir J. T. Firbank and carried out important railway contracts at Hunslet, Leeds, and Ealing, London. Latterly he was agent for Messrs. Bott and Stennett, contractors, Westminster, and was in charge of their contracts in the London district for the Metropolitan and District Railways.

Mr. Scott was elected an Associate Member of The Institution on the 5th April, 1887.

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HENRY EDWIN SIMPSON, born on the 17th February, 1859, died on the 23rd September, 1912. He gained his practical experience under the late Mr. Joseph Kincaid, and both then and