

of Hartlepool. Mr. Howkins died at Granton on the 26th April, 1906, aged 66.

He was elected an Associate of the Institution on the 5th February, 1867, and was transferred to the class of Members on the 3rd December, 1872.

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GEORGE LEWIS, born at Coleorton, Leicestershire, on the 7th April, 1836, was trained under Mr. J. C. Bailey, of Wigan, in the mining branch of the profession, to which his career was subsequently devoted. Between 1861 and 1866 he was Manager of the Coleorton and Swannington Collieries, Leicestershire, where he sank two shafts, put down winding-plant, erected the necessary machinery and constructed sidings and branch lines. Shortly after the latter date, Mr. Lewis engaged in independent practice as a mining engineer, and in course of time, became associated with most of the principal collieries and coal-fields of the Midlands, as well as with gypsum and ironstone mines in that district. He was retained as Engineer to the Donisthorpe, Coleorton, Wollaton, Manners, South Leicestershire, Ibstock, Whitewick and other collieries, representing an aggregate annual output of nearly a million tons. From Coleorton he transferred his headquarters to Derby, where he continued to practise until his death, which took place at his residence, Green Hill, Derby, on the 9th November, 1905. Mr. Lewis was a Fellow of the Geological Society and a Member of the Institution of Mining Engineers, of which he was President in 1893. He was also for some years a member of council of the Mining Association of Great Britain.

He was elected a Member of this Institution on the 3rd February, 1885.

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WILLIAM McLANDSBOROUGH, born on the 14th April, 1829, at Otley, Yorkshire, was trained for the engineering profession under his father, the late Mr. John McLandsborough, and subsequently acted as Resident Engineer on various water-supply, drainage and sewerage works carried out under the direction of Sir Robert Rawlinson, Past-President, and other prominent engineers. Between 1861 and 1864 he occupied the position of Engineer to the City of Gloucester, and in the latter year he was appointed Engineer and Manager of the Cheltenham Waterworks, subsequently becoming Waterworks Engineer to the borough on the transfer of the water

undertaking to the Corporation. During his tenure of the latter office, the waterworks were largely developed under his supervision. The works at Tewkesbury, designed by the late Mr. Thomas Hawksley, Past-President, were constructed by him, as well as the large reservoir at Dowdeswell, and he also superintended the construction of Evesham waterworks, and smaller works at Winchcombe. In 1890 Mr. McLandsborough retired from his appointment under the Corporation, after a connection with the waterworks extending over 26 years of able and devoted service, the value of which was fully appreciated by his employers and by the community. After his retirement he was frequently consulted upon water-supply schemes and similar undertakings, in connection with which he was associated with several prominent engineers and gave evidence before parliamentary committees and at arbitrations. He died suddenly at his residence in Cheltenham on the 5th December, 1905, in his seventy-seventh year.

Mr. McLandsborough was elected an Associate of the Institution on the 24th May, 1859, and was transferred to the class of Members on the 30th April, 1878.

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DAVID JAMES ROSS, born in London on the 5th February, 1845, was educated at various public schools and served his articles between 1861 and 1864 as a pupil to Mr. John Foster Pickering, Surveyor, of Old Jewry. After the expiration of his pupilage he gained further experience in the offices of several well-known surveyors and engineers, and in November, 1871, he entered the engineer's department of the Commissioners of Sewers, under the late Colonel Haywood. After passing through all the departments, he was appointed to the position of Chief Assistant in 1882, and on the death of Colonel Haywood in 1894, he succeeded that gentleman in the appointment of Engineer to the Commissioners of Sewers. In 1897 the Commission was amalgamated with the Corporation of London, Mr. Ross being retained as Engineer to the Public Health Department. During his official career he was responsible for the laying out of a complete system of fire-hydrants, the construction of extensive sewerage-works in connection with the various Metropolitan and other railway extensions, the electric lighting of the City streets, the formation of new streets and subways, and generally the works appertaining to the lighting, paving and control of the public thoroughfares. The