

stricken down with heart disease, and died on the 28th of May, 1889.

Mr. Lyons was elected an Associate Member of the Institution on the 4th of May, 1880.

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PLOTINO SOARES was born in Brazil on the 9th of July, 1850, He was educated in the Polytechnic School of Rio de Janeiro, where he took a doctor's degree in mathematics, physical and natural sciences. In 1875 he was appointed by the Imperial Government Assistant Engineer, under Dr. Francisco Gomes Collasso, the Chief Engineer for the Exploration of the proposed Government Railway from Cuiaba Alagoinhas, Province of Matto Grosso. He then served as Assistant Engineer on the Rio de Janeiro Water-works for one year, from March 1876, under Mr. Edward Lynch, Chief Engineer, and next became Engineer-in-Chief of the Government surveys of the Alto Rio Doce, in the province of Minas Geraes. Mr. Soares was then appointed Engineer of the First Class in the exploration, and chief of section, on the construction of the Paulo Affonso State Railway (80 miles long), in the province of Alagoas, from June 1878 to November 1880, under Mr. Reginald von Krüger, the Chief Engineer. From June 1881 to April 1882, he was on the contractor's staff of the Minas and Rio Railway (100 miles long), of which Sir James Brunlees, Past President Inst. C.E., was the Consulting Engineer, being concerned in the revised studies of the line. He was subsequently Chief Engineer of the surveys for a proposed railway from Antonina to Assunguy (80 miles long), province of Parana, from September 1882 to April 1883. Dr. Soares then served as contractor's district agent of the Bahia Central Sugar Factories, from June 1883 to May 1884, under Mr. W. Chapman, after which he was for six months District Engineer on the Sergipe Railway (80 miles long), under Mr. W. Rogers. On the 30th of April, 1885, he was appointed Government Fiscal Engineer of the Brazil Great Southern Railway (110 miles long), province of Rio Grande do Sul, which appointment he retained until his death in October 1889.

Previous to commencing his professional career Mr. Soares had been aide-de-camp to a Brazilian general during the Paraguayan War, and was wounded during an engagement; and he afterwards served for more than a year in the works of a firm of mechanical engineers at Glasgow. The combined experience thus obtained served to rub off the pedantry of the college-educated "doctor-

engineer" of his native country. Being a man of worth and parts, he became very popular with the English engineers of the Great Southern of Brazil Company to whom he was a good friend, and whom in his character as representative of the government, he saved many of the petty vexations and annoyances to which national jealousy is apt to expose foreigners in South America.

Dr. Plotino Soares was elected an Associate Member on the 1st of December, 1885.

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LORD MAGHERAMORNE (Sir James Macnaghten McGarel-Hogg, Bart., K.C.B.) was born at Calcutta on the 3rd of May, 1823. He was the eldest son of the late Right Hon. Sir James Weir Hogg, formerly Member of Council for India, who for many years represented Beverley and Honiton in Parliament. He was educated at Eton and at Christ Church, Oxford, and in 1843 he entered the 1st Life Guards, becoming Major and Lieutenant-Colonel in 1855, and in 1859 he retired from the service. In politics he was a Conservative, and represented Bath from 1865 to 1868, being selected on the assembling of Parliament in November, 1867, to second the Address. In 1871 he was elected Member for Truro, for which place he sat until 1885. In 1885 he was returned for Hornsey, and retained his seat unopposed in 1886.

He took an active interest for many years in matters of local administration, having been a member of the St. Margaret and St. John Vestry, the Westminster District Board of Works, and subsequently of the Guardian Board and Vestry of St. George, Hanover Square. He was elected in 1867 to represent this latter body upon the Metropolitan Board of Works, and on the death of the Chairman, Sir John Thwaites, in the autumn of 1870, was elected by his colleagues to be the successor of Sir John Thwaites, and to this position he was annually re-elected until the Board itself ceased to exist. On the 5th of August, 1871, he, as Chairman of the Board, laid the foundation stone of the Chelsea Embankment, an improvement originally proposed in 1839, but abandoned for lack of funds, and finally undertaken by the Board of Works in 1868, when the necessary powers were obtained from Parliament. At the opening of the Embankment in 1874 Lieut.-Colonel James Macnaghten Hogg, as he was then called, was created a K.C.B.

On the death of his father in 1876 he succeeded to the baronetcy, and in 1877 assumed by Royal licence the surname of McGarel in