

preparation of schemes for Parliamentary deposit, and gave expert evidence before Select Committees of both Houses of Parliament.

Mr. Nicholson was elected an Associate Member of The Institution in 1881, and was transferred to the class of Member in 1908.

In 1881 he married Eliza M. Brettell, daughter of Walter Brettell, who survives him, and had one son.

ROGER THOMAS SMITH was born at Forest Hill, London, on the 23rd March, 1863, and died in London on the 28th April, 1940. He was educated at Mill Hill School and at University College, London, and served his pupilage in mechanical engineering with Messrs. Hathorn, Davey & Company, of Leeds. In 1890 he went to India, where he took charge of the erection of pumping machinery in several large cities, and later became municipal and waterworks engineer at Allahabad. On his return to England, he was appointed resident engineer at the Davies Street generating station. After service in Belgium as technical manager to the *Compagnie Hydro-electrique Anversoise*, he joined the firm of Sir Alexander Kennedy and Jenkin, by whom he was employed on the electrification of tramways for the London County Council and for the city of Buenos Aires, and also on the electrification of the Hammersmith and City Railway. In 1905 he was appointed electrical engineer to the Great Western Railway, and occupied that position for nearly 20 years, during which period he was responsible for numerous installations of electrical machinery for harbours, stations, bridges, and goods yards; for the installation and maintenance of electric lighting on rolling stock, and for the design and electrical track equipment of the Ealing and Shepherd's Bush Railway. In 1924 he retired and became a partner in the firm of Highfield and Roger Smith, consulting engineers.

He was elected to Associate Membership of The Institution in April, 1889, and was transferred to the class of Member in April, 1918. In 1911 he presented a Paper on "Electric Lighting of Railway Trains: the Brake Vehicle Method"¹, for which he was awarded a George Stephenson gold medal. He was also a Past-President of the Institution of Electrical Engineers, of the Institute of Transport, and of the British Section of the *Société des Ingénieurs Civils de France*, and a member of the Institution of Mechanical Engineers, of the American Institute of Electrical Engineers, and of the Senate of the University of London.

In 1902 he married Margaret Isabel, eldest daughter of the late Dr. G. Carey Foster, F.R.S., who survives him.

¹ Minutes of Proceedings Inst. C.E., vol. clxxxvii (1911-12, part 1.), p. 142.