

Railway as District Engineer for Messrs. Waring, the contractors, for whom he went to Monte Video in 1871 to act in a similar capacity on the construction of the Central Uruguay Railway. On the completion of the works in 1874 he entered the service of the Company as Resident Engineer, and from that date he had charge not only of all maintenance work, but of the construction of all new extensions, including the Eastern and Northern Extensions of the Central Uruguay line and a portion of the North Eastern of Uruguay Railway, from Pando to Minas.

Mr. Wingate retired from the service of the Company in July, 1899, and returned to England, the Board still availing themselves of his long experience and intimate knowledge of Uruguay for consulting purposes, and it was in consequence of the keen interest he took in the affairs of the Company that he made it his practice to call at the office in Finsbury Circus on the receipt of inward mails. There he died after a few hours' illness, while engaged on such an errand, on the 18th June, 1900.

Mr. Wingate was elected an Associate of the Institution on the 10th April, 1866, and was transferred to the class of Members on the 16th January, 1877.

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EDWARD HENRY BOLD, born at Clitheroe, Lancashire, in 1841, began his engineering career in the shops of Messrs. Bridge and Barnes, machinists, of Accrington. In 1861 he left England for Victoria, where he was engaged for eighteen months under Mr. R. Millett in setting out and levelling roads and in surveying occupation lands in the Benalla District, Goulbourn River. In 1863 he proceeded to New Zealand and entered the Government service. He was at first engaged in constructing 8 miles of the Lawrence and Clyde Road, and acted as Inspector for the construction and maintenance of 94 miles of cart roads in the same district. In 1865 he was employed under Mr. John Rochfort, District Surveyor to the Canterbury Government, in exploring for road lines and in making surveys for a coal mine reserve on the River Grey, and in September of the same year he was appointed Assistant Surveyor and Mining Surveyor to the same Government, under Mr. Davie, Chief Surveyor of the Canterbury Province, to direct and inspect land and road surveys and works relating to alluvial gold mining. In July, 1867, he was appointed, by the New Zealand Government, Telegraph Surveyor for the North

Island, and placed in charge of the setting out and construction of about 320 miles of line through broken country.

On the establishment of the Public Works Department of New Zealand Mr. Bold was appointed in 1870 an Assistant Engineer under Mr. John Carruthers, then Engineer-in-Chief for the Colony. As Road Engineer for Taupo and the East Coast he carried out many important engineering, surveying and architectural works. In 1877 he was, in addition, appointed Resident Engineer of the Napier-Manawata Railway, and he also acted as Engineer for the Counties of Waipawa and Hawkes Bay.

In 1878 Mr. Bold retired from the public service, but before the expiration of that year he was offered the appointment of Inspector of Telegraphs for the East Coast. That post he held until 1894, when he was transferred in a similar capacity to Auckland. There he died somewhat suddenly in May, 1900.

Mr. Bold was elected an Associate of the Institution on the 4th December, 1877, and was subsequently placed in the class of Associate Members.

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FREDERICK DAVIS, eldest son of the late Mr. John Davis, of Derby, was born at Cheltenham on the 26th January, 1843. He obtained his engineering training in the works and drawing office of Messrs. Carrett, Marshall and Company, of the Sun Foundry, Leeds, and at the end of 1866 began to practise on his own account, first in London, then in Derby, and finally in Westminster. For some years he was a member of the firm of Stacey, Davis and Company, of the Phoenix Foundry and Engineering Works, Derby.

Mr. Davis retired from business some years since and devoted himself to archæological and kindred studies. He was a Member of Council of the Society of Antiquaries and an active member of the Silchester Excavation Committee. At the request of the editors of "Bygone Hampshire," he wrote an exhaustive article on the discoveries at Silchester, which was published separately in 1898 under the title of "The Romano-British City of Silchester." He had previously written a work entitled "Derbyshire Place-Names," and he was a frequent contributor to various magazines.

Mr. Davis died on the 14th July, 1900.

He was elected an Associate Member of the Institution on the 3rd March, 1885.

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