

## OBITUARY.

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GEORGE HEATON DAGLISH, born at Southport on the 31st August, 1839, died at Liverpool on the 12th July, 1913. Having served his apprenticeship with Messrs. Hick, Hargreaves and Company, of Bolton, he eventually became a member of the firm of Robert Daglish and Company, engineers and founders, of St. Helens, of which his uncle was senior partner. From 1866 until his retirement in 1882, he was responsible for the design and manufacture of colliery machinery, gold-mining stamps and chemical plants.

Mr. Daglish was elected a Member of The Institution on the 2nd May, 1876.

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THOMAS DUNCANSON, born at Liverpool on the 15th January, 1852, died in that city on the 2nd April, 1913. He served a pupilage under Mr. Thomas Duncan and Mr. Alexander Duncanson, successively Water Engineers to the Liverpool Corporation, and was appointed Engineer to the Fylde Water Board, and in 1881 he joined the staff of the Liverpool Water Works. Having been engaged on the construction of the Vyrnwy Dam under the late Dr. Deacon, he was appointed in 1891 Principal Assistant Water Engineer at Liverpool, under Mr. Joseph Parry, and occupied that position until his death.

Mr. Duncanson was elected Associate Member of The Institution on the 27th May, 1884, and was transferred to the class of Members on the 10th February, 1903.

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RICHARD HASSARD, eldest son of the late Mr. John Hassard, D.L., was born at Bawnboy, Co. Cavan, on the 11th December, 1820, and died in London on the 4th February, 1913, in his ninety-

third year. Educated at Mount Radford School, Exeter, he adopted the engineering profession, and early turned his attention to hydraulic works. Amongst the principal undertakings in Ireland with which he was associated were the Dublin (Vartry) Water-works, and similar works at Rathmines, Rathgar, Sligo, Dundalk, Enniskillen, Cavan, Newry and other towns. For several years he was chief assistant to the late Mr. G. W. Hemans, Vice-President Inst. C.E., in the survey and construction of various railways in Ireland, including the Newry and Armagh, the Portadown and Dungannon, and other lines. In England he was responsible for the Tenby, Petworth, Wargrave and other water undertakings, and he also constructed the Devon and Somerset Railway between Taunton and Barnstaple. He was well known in Parliamentary committee-rooms, and was highly respected by all who knew him.

Mr. Hassard was elected a Member of The Institution on the 6th March, 1866.

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NEIL KENNEDY, born at Lianachan, Inverness-shire, in June, 1850, died at Wimbledon, on the 10th of June, 1913. Having gained experience on railway construction and surveying, he served from 1875 to 1882 on the engineering staff of the Rio Tinto Company, and was subsequently engaged on iron-ore mining in Bilbao, in the construction of the Great South of Spain Railway, and as General Manager of the Barcelona tramways. He was also connected with the development of gold mines in New Zealand and copper mines in Mexico. From 1904 until his death he was associated with the Rio Tinto Company in London. He was a director of several companies, and author of a book on Surveying and a Paper in the Proceedings<sup>1</sup> which gained a Telford premium.

Mr. Kennedy was elected an Associate Member of The Institution on the 7th December, 1880, and was transferred to the class of Members on the 13th May, 1884.

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HENRY LEA, born on the 6th January, 1839, died at Birmingham on the 20th July, 1912. He served his apprenticeship to the late Mr. J. E. Hodgkin, of Birmingham, and from 1862 until his death he engaged in consulting practice in that city as senior partner in

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<sup>1</sup> Minutes of Proceedings Inst. C.E., vol. xcix, p. 303.