

of various irrigation schemes. He was responsible for the construction of a submersible bridge over the River Karha at Baramati.

In 1939, Mr Hammett was appointed Assistant Superintendent Engineer, Bombay, and became Chief Superintendent Engineer in 1945. Also, in 1939, he was appointed Justice of the Peace in Bombay, Honorary Presidency Magistrate in 1941, and again Justice of the Peace in 1945. Throughout the 1939-45 war he served as an Hon. Lieutenant in the Royal Indian Navy Volunteer Reserve, and was engaged on night work in the Harbour Motor Boat Patrol.

In 1947 he retired as Chief Engineer and Secretary to the Government, Public Works Department, Bombay. He was made a C.I.E. in 1946.

Elected an Associate Member in 1918, he was transferred to the class of Members in 1936.

He is survived by his widow and two daughters.

PROFESSOR WILLIAM AITKEN MILLER, B.Sc., M.E., who was born on 15 February, 1886, died on 19 November, 1958.

After his general education at Townhead Public School, and Allen Glens School, Glasgow, he began his engineering career under Sir William Copland until 1909. Then he went to Glasgow University and obtained a B.Sc. degree, in 1913.

During his University vacations he assisted his father in the construction of the Kilbirnie and Glengarnock, and Kirkwell Waterworks. From 1913-14 he was with Messrs Babbie, Shaw & Morton, on the construction of extensions to Elderslie Dock, Clydeside, design of extensions to the Grand Stand, Hampden Park, Glasgow, and a reinforced concrete wharf for the North British Diesel Co., Clydeside.

In 1914 he became Russell Lecturer in Civil Engineering at the University of Sydney, a position which he held until 1922. He graduated with a 1st Class M.Eng. degree and the University Medal in 1921. He became Assistant Professor of Civil Engineering in 1923 and finally Challis Professor in 1926.

Elected an Associate Member in 1914, he was transferred to the class of Members in 1945.

He is survived by his widow and two sons.

JOSEPH PARKIN, O.B.E., who was born on 8 June, 1893, died on 20 January, 1959.

He was educated at Buxton College, Derbyshire. From 1909-14 he trained under the Borough Surveyor and Water Engineer, Buxton Corporation, Mr W. H. Grieves, and his successor, Mr Frank Langley. Then he was General Engineering Assistant, Borough and Water Engineer's Department, County Borough of Dewsbury.

From 1914-19 he was on war service in Egypt, Gallipoli, and France.

Mr Parkin was Engineering Assistant, Borough Engineer's Department, Buxton, from 1919-20; he also held the same post with the County Borough of Rotherham from 1920-22. In 1922 he was Senior Engineering Assistant, Borough Engineer's Department, County Borough of Huddersfield, and in 1923 he was promoted to Chief Assistant, dealing with highways, tramways, sewerage and sewage disposal, parliamentary work, and general building works. From

1924-27 Mr Parkin was Deputy Engineer to the Borough Engineer of Hastings, dealing with road reconstruction, sea defence works and groynes, Hastings Corporation (Water) Bill 1926, Sedlescombe Water Scheme, and development of housing estates. He was Deputy City Engineer under the late Mr R. J. Jenkins, F.S.I., City Engineer, Portsmouth, from 1927-34, dealing with the Portsmouth Corporation Act 1930, for the construction of the Municipal Airport, provisional order for construction of Victoria Pier and Slipway, Portsmouth Corporation Act 1931, and reconstruction of berthing accommodation and quays at Camber Docks, Portsmouth.

From 1934 until he retired in 1953, Mr Parkin was City Engineer, Portsmouth. Some of the major jobs with which he was concerned were the road reconstruction works following the abandonment of tramways, Eastern Road extension, Five Years' Road Programme in conjunction with the Ministry of Transport, main drainage and sewage disposal, pumping stations, West Wymering and Paulsgrove Main Drainage Scheme, Starnshaw Flood Prevention Scheme, reconstruction of boat-building yard and slipway at Camber Docks, and transit-shed scheme at Camber Docks, Hilsea promenade and sea wall, District Regional Town Planning Scheme, factory buildings at Portsmouth Airport, Infectious Diseases Hospital extensions, home for aged blind, branch library, Cosham, Victoria Park Baths, Guildhall extensions, Hilsea Lido and open-air bathing pool, and Civil Defence works. The Empire Air Base Scheme (Consulting Engineers, Messrs Coode, Wilson, Mitchel and Vaughan-Lee) further widened his responsibilities.

Mr Parkin was made O.B.E. in 1942. He was a Member of the Institution of Municipal Engineers.

Elected an Associate Member in 1923, he was transferred to the class of Members in 1940. He was Chairman of the Southern Association in 1940-41.

Mr Parkin is survived by his widow.

EDWARD SANDEMAN, M.Sc., who was born on 8 December, 1862, died on 8 February, 1959, at Shaldon, Devon.

He was articled to the late Mr W. B. Bryan, Borough and Water Engineer of Blackburn, in 1880, and was subsequently employed on the Blackburn water-works extension. In 1891 he was appointed Water Engineer of Plymouth, and was responsible for the design and construction of the Burrator Reservoir on Dartmoor. He became the first Chief Engineer to the newly formed Derwent Valley Water Board in 1900, and built the Derwent and Howden reservoirs and other works for the supply of water to the cities of Nottingham, Leicester, Derby, and Sheffield.

In 1912 Mr Sandeman set up in private practice as a consultant specializing in water supply, and designed and constructed numerous works for local authorities, water boards, and water companies throughout Britain. Among the many dams with which his name will always be associated are Burnhope, Silent Valley, Ryburn, and Fernworthy.

He was appointed Associate Professor of Water Supply and Irrigation in the University of Manchester in 1913. The firm of Edward Sandeman and Partners was formed in 1935, and in 1941 became Edward Sandeman, Kennard and Partners.

Mr Sandeman was awarded a Crampton Prize in 1900 for his Paper on the Burrator Works¹, and a Telford Gold Medal in 1918 for his Paper on the Der-