

of the Institution of Heating and Ventilating Engineers, and of the Institution of Structural Engineers.

He is survived by his wife, a son, and two daughters.

LIEUTENANT-COLONEL ERNEST JOHN HAMLIN, D.Sc., F.R.S.(S.A.), who was born on the 17th March, 1887, died on the 19th April, 1956.

He was educated at Merchant Venturers, Bristol.

In 1911 he went to South Africa as Lecturer in Engineering at Cape Town University.

In 1913 he was appointed Town Engineer of Stellenbosch. In 1927 he became Assistant City Engineer, Johannesburg, and City Engineer in 1932.

During the Second World War he served as Lieutenant-Colonel on the staff of General Smuts in South Africa.

On retiring from the position of City Engineer, he started a consulting practice and was appointed by various authorities including the Colonial Office.

He was Author of several technical Papers on roads, sewerage and sewage disposal, building research, and town planning. For his Paper to the Institution on "Sewerage and sewage disposal in sub-tropical countries, with special reference to South Africa and Mauritius",¹ he was awarded the Coopers Hill War Memorial Prize.

He was elected an Associate Member in 1919, and was transferred to the class of Members in 1925. He was also a Member of the Institution of Mechanical Engineers, a Member of the Institution of Electrical Engineers, a Member of the Institution of Municipal Engineers, Vice-President (1946-1951) of the Institution of Structural Engineers, a Fellow of the Royal Sanitary Institute, a Fellow of the Royal Institution of Chartered Surveyors, a Past-President of the Institute of Sewage Purification, and an Honorary Associate of the Royal Institute of British Architects.

He is survived by his widow, a son, and two daughters.

BERTRAM CHARLES HAMMOND, C.B.E., who was born on the 11th June, 1889, died on the 3rd May, 1956.

He was educated at Betton House School, Abbey Foregate, Shrewsbury and by private coaching.

In 1907 he was articled pupil under the late Mr A. T. Davis, M.I.C.E., F.S.I., County Surveyor of Shropshire.

In 1910 he entered commercial employment and was engaged on municipal engineering and road works. Shortly afterwards he served with the Road and Bridges Department of the Shropshire County Council.

In 1911 he was appointed Senior Technical Assistant, Highways and Bridges Department, Worcestershire County Council. During his long association with this County, which lasted until his retirement, he became Deputy County Surveyor, and later County Surveyor. He was responsible for the construction of more than fifty bridges, and many miles of urban and rural roads. He was in charge of the design of the Worcestershire section of the North-to-South motorway, and the Ross spur leading to South Wales.

During the First World War he served as a Territorial in 4th Battn K.S.L.I. and 8th Battn Worcestershire Regiment. He was gazetted officer to his old County

¹ Proc. Instn Civ. Engrs, Pt I, vol. 1, p. 561 (Sept. 1952).

regiment, and later transferred to the Royal Engineers, from which he was invalided-out in 1916.

He was created a Commander of the Most Excellent Order of the British Empire in 1949.

In 1934 for his Paper to the Institution on "The strengthening of a cast-iron bridge by welded steel bars encased in concrete: the Holt Fleet bridge near Worcester",¹ he was awarded a Telford Premium.

Mr Hammond was elected an Associate Member in 1915, and was transferred to the class of Members in 1932. He was also a Member of the Institution of Municipal Engineers, a Member of the Institution of Structural Engineers and of the Town Planning Institute, and a Past-President of the County Surveyors' Society.

He is survived by his wife and a son.

GEORGE NICHOLAS LOGGIN, C.M.G., who was born on the 5th September, 1882, died on the 27th November, 1955.

He was educated at Oxley's Private School, Bexley Heath, and at University College, London.

He commenced his professional career in the Public Works Department in Ceylon. During the First World War he served as a Captain in the Local Defence Force and as Secretary of the Ministry of Munitions, Local Priority Authority.

In 1922 he went to Uganda and became Director of Public Works. This post he held until 1924, when he was appointed Deputy Director of Public Works, Nigeria. He was Chairman of the Committee on the proposed extension of the Kenya Railway into the Uganda Protectorate.

In 1928 he became Director of Works, Anglo-Egyptian Sudan, and a Member of the Governor-General's Council, and was also a Member, later President of the Sudan Board of Economics and Trade. He was also Chairman of a Committee on technical training of Sudanese personnel.

From 1938-43 he was Adviser to the Ministry of Economics and Communications, Iraq, and Director-General of the Iraq State Railways 1939-40. He was also President of the Iraq Imports Committee and Member of the Iraq High Supply Council.

From 1944-46 he was Adviser on engineering appointments to the Colonial Office.

In 1932 he was created Companion of the Most Distinguished Order of St Michael and St George, and in 1936 was awarded the Second Class Order of the Nile by the King of Egypt. In 1945 he was awarded Second Class Order of El Rafidain (Iraq).

Mr Loggin was elected an Associate Member in 1908 and was transferred to the class of Members in 1922.

He is survived by his wife.

WILLIAM ALLAN MACARTNEY, who was born on the 17th August, 1883, died on the 14th April, 1956.

He received his general education at Glasgow and Dunoon Grammar School and his practical training under Mr James Andrew, M.I.C.E., Burgh Engineer, Dunoon.

He began his professional career as Assistant Engineer to the Burgh Engineer at Dunoon and was concerned with construction of a new promenade, sea walls, and harbour scheme, in addition to installation of a new water-supply and filtration plant.

In 1906 he was appointed Assistant, later Chief Assistant to the Burgh Engineer, Partick. He subsequently became Burgh Engineer, Johnstone, Renfrewshire.

¹ Sel. Engng Paper No. 162, 1934.