

DEATHS

It is with deep regret that intimation on the death of the following has been received.

Honorary Member

Admiral of the Fleet the Right Hon. VISCOUNT CUNNINGHAM OF HYNDHOPE, *K.T., G.C.B., O.M., D.S.O.* (E. 1944).

Members

VERNON FERDINAND BARTLETT, *B.Sc.(Eng.)* (E. 1927, T. 1935).

CHARLES LESLIE COX, *C.B.E.* (E. 1908, T. 1919).

PAUL LEWIS HENDERSON, *Ph.D., M.E.* (E. 1932, T. 1944).

FREDERICK STANLEY ROBINSON (E. 1909, T. 1929).

JESSEL ROSEN, *B.Sc.(Eng.)* (E. 1918, T. 1942).

ROBERT STEVENSON (E. 1908, T. 1938).

WILLIAM HENRY VICKERS, *M.B.E.* (E. 1932, T. 1953).

Associate Members

GERALD IREDALE NEWENHAM DEANE (E. 1917).

GEORGE DUCKELS (E. 1912).

KAMEL OSMAN GHALEB (E. 1908).

WILLIAM JOHNSTONE JARVIS, *B.Sc.* (E. 1929).

CHARLES NORMAN MACDONALD MACLEOD, *M.E., B.Sc.* (E. 1935).

GEORGE STANLEY MITCHELL, *M.C., B.Sc.(Eng.)* (E. 1915).

FRANK READ (E. 1904).

ERNEST GUTHRIE RITCHIE, *D.Sc.* (E. 1919).

WILLIAM ALISTAIR BEAUMONT WATSON (E. 1935).

Student

MICHAEL BEVERLEY MACKAY (A. 1963).

OBITUARY

WILLIAM KENNEDY LEWIS, *B.Sc.*, who was born on 21 September, 1909, died on 23 March, 1962.

Educated at Airdrie Academy, he studied engineering at Glasgow University where he gained a *B.Sc.(Eng.)* Honours degree in 1932.

In 1928–32 he received his practical training under (the late) Mr D. A. Donald, and on completion continued with him as Assistant Engineer, working on the Callander Water Works until 1933.

He joined A. M. Carmichael, Public Works Contractor, Edinburgh, in 1933, as Contractor's Engineer and was engaged in the construction of bridges, culverts, retaining walls, and roads, in particular, the Glasgow–Inverness Road. He later became Contractor's Chief Engineer and was responsible for the construction of power works.

In 1935, as Resident Engineer to the Dumfries County Council, he worked on the design and construction of the regional water supply. In 1937–40

he was Senior Assistant Engineer for the City of Aberdeen, where he was engaged on various municipal works.

He was Section Engineer and subsequently Resident Engineer to the Ministry of Works from 1940-1943.

He was appointed Senior Deputy Borough Engineer to the Corporation of Paisley in 1943, a post which he held for eight years.

In 1951 he was appointed Water Engineer to the County Borough of Birkenhead.

From 1958 until his death, he was Engineer and Manager of the Manchester Corporation Waterworks.

Mr Lewis was elected an Associate Member in 1935 and was transferred to the class of Member in 1948.

He is survived by his widow, one daughter, and two sons.

W. K. LEWIS. Investigation of the rainfall, run-off, and yield on the Alwen and Breng catchments. *Proc. Instn civ. Engrs*, vol. 8, September, 1957, pp. 17-52.

SAMUEL DIXON CAROTHERS, who was born on 22 June, 1872, died on 14 April, 1962.

Educated at Lisburn, Co. Down, he studied engineering at the Royal College of Science (Dublin) and obtained a Diploma in Engineering.

In 1894, as Contractor's Engineer and Agent, he carried out the Black Rock and Kingstown Main Drainage Works. From 1897 to 1900, he was Resident Engineer on the Belfast Waterworks under Mr L. L. Macassey.

He was appointed Assistant Engineer to the Admiralty in 1900 and worked at the dockyards of Devonport, Simonstown, Portsmouth and Hong Kong. As Officer-in-Charge of Works in Hong Kong in 1924-28, he supervised the works and design of heavy foundations for piling and workshops. From 1928 until his retirement in 1932, he was Superintending Engineer to the Admiralty in charge of designs of docks, breakwaters and oil installations.

Throughout his life, Mr Carothers was greatly interested in mathematics, and he attended various international mathematical congresses to which he had been invited to read his papers. He was the author of many papers, the main subject being stresses in dams and in earth.

Mr Carothers was elected an Associate Member in 1908.

He is survived by a son and two daughters.