

DEATHS

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

Members

JAMES HENRY ANDERSON (E. 1888, T. 1896).
 HENRY WHITWORTH DAVIS (E. 1908, T. 1920).
 CHARLES EDWIN DEVIS, B.Sc. (E. 1932, T. 1956).
 OSCAR FAYLE, B.A., B.A.I. (E. 1919, T. 1948).
 JAMES HENRY JONES, I.S.O. (E. 1921, T. 1947).
 ALFRED HENRY ROBERTS, O.B.E. (E. 1910).
 FREDERICK NICHOLAS GLOVER TAYLOR (E. 1911, T. 1926).

Associate Members

ERNEST FREDERICK BOIVIE (E. 1931).
 JOHN ALFRED DAVENPORT, M.Sc., B.Eng. (E. 1912).
 PERCY JAMES MADDICKS, B.Sc. (E. 1930).
 WILLIAM JOHN PEIRCE, B.Sc.(Eng.) (E. 1948).
 HAROLD DBMPSTER RIMMER, B.Eng. (E. 1935).

Students

CLIFFORD HARRISON (A. 1958).
 DAVID JAMES TAYLOR (A. 1955).

OBITUARY

SIR RICHARD WILLIAM ALLEN, C.B.E., D.L., who was born at Cardiff on 1 February, 1867, died on 17 July, 1955.

He was educated at Christ College, Finchley, and after further private technical education under Dr Gisbert Kapp, he was apprenticed for four years to his father's firm, W. H. Allen and Co., Lambeth. From 1887 to 1888, he was a draughtsman with John Elder and Co., Glasgow (now the Fairfield Shipbuilding and Engineering Co.), and from 1888 to 1890 with the Naval Construction and Armaments Co., Barrow-in-Furness (now Vickers-Armstrong Ltd).

After visiting the United States of America in 1890, he returned to his father's firm as Assistant Manager, becoming a Partner in 1894, when the company moved to Bedford, and later becoming Managing Director.

During extensive world travel, Sir Richard served as British delegate at the World Engineering Congress in Japan in 1929, where he represented the Universities of Cambridge and London, and also the Institution of Mechanical Engineers.

He was made a C.B.E. in 1918, and was knighted in 1942.

Sir Richard was closely concerned with the design and construction of auxiliary machinery for naval and mercantile marine vessels, but his career also embraced a large number of other engineering projects. He was President of Section G of the British Association in 1933, and a Member of the Institution of Naval Architects, the Institution of Marine Engineers, the Iron and Steel Institute, and the Institute of Metals. He was an Honorary Life Member of the Institution of Mechanical Engineers of which he was President in 1927/28,

and Associate Fellow of the Royal Aeronautical Society, and a Vice-President of the Engineering and Allied Employers National Federation and of the British Electrical and Allied Manufacturers Association.

Sir Richard was one time Deputy Lieutenant for the County of Bedford, a Justice of the Peace, High Sheriff of Bedfordshire, a member of the Bedfordshire County Council, and a member of other important National Societies, Associations, and Committees.

He was the Author of a Paper* for which he was awarded a Telford Premium in 1906, and presented many Papers to other scientific societies.

Elected an Associate Member in 1892, he was transferred to the Class of Members in 1908, and made a Life Member in 1953.

He is survived by two daughters.

FRANCIS HERBERT BRAMWELL, B.Sc.(Eng.), who was born on 9 May, 1890, died on 7 May, 1958.

After education at St Dunstan's College, London and the Central Technical College, London, where he graduated in 1909, Mr Bramwell was trained in the workshops of St Helens Colliery, Cumberland, and in the drawing office of Newton Chambers Ltd, London. From 1910-1914 he was a student assistant in the Aeronautics Division of the Engineering Department of the National Physical Laboratory. During this period he was the Author of a number of Papers on aeronautics.

Commissioned in 1914 as a Lieutenant in the R.N.V.R., attached to the R.N.A.S., Mr Bramwell became in 1916, Engineer and Designer in the Aviation Department of the Sunbeam Motor Co. Ltd, but in 1917 he was recalled to the Air Board and later to the Technical Department of the Ministry of Munitions as Section Director.

In 1920 he joined Brunner Mond and Co. Ltd, first as Superintendent on Research, the major task being the development of ammonia synthesis, and then as Deputy Chief Engineer on the design and construction of a new factory at Billingham. Transferred to the company's head office at Northwich in 1925, he was Research Manager for 2 years before a second transfer took him to the London head office of I.C.I. Ltd. In 1931, Mr Bramwell became head of the I.C.I. London Engineering Dept, and until 1938, was concerned with the design and building of ammonia manufacturing plants in South Africa and Czechoslovakia.

Moving, in 1938, to the General Chemicals Division of I.C.I. Ltd in Liverpool, Mr Bramwell became Chief Engineer and Delegate Director, which position he held until his retirement in May 1952. During the 1939-45 War, he was responsible for building chemical plants worth £20 million for the Ministries of Supply, Aircraft Production, and Food. From 1944 onwards he was engaged in planning large-scale extensions and reorganizations of various I.C.I. factories.

Mr Bramwell was for some time Chairman of the Council of the Electrical Research Association, and a member of the Board of the Power Gas Corporation Ltd.

He was a Member of the Institution of Mechanical Engineers, the Institution

* R. W. Allen, "Surface-condensing plants and the value of the vacuum produced". *Min. Proc. Instn civ. Engrs*, vol. 161 (1904-05), p. 169.