

firm he continued, from 1906–14, under Mr E. P. Hill (M), gaining experience of water supply schemes for public authorities—Manchester and Huddersfield, Pontypridd, Rhondda and elsewhere.

He served throughout World War I, first with a commission in the Royal Garrison Artillery (T.A.) on the construction of defences, then for 2½ years as Staff Captain to a garrison.

After the war he returned to G. H. Hill & Sons and was engaged on a water supply scheme for Newport Corporation. He also assisted Sir Walter Hughes (M)—then associated with Sir John Wolff Barry & Partners—in harbour and docks schemes for Bombay.

A decisive stage in his career came in 1920, when he became Assistant Secretary to the Institution of Mechanical Engineers. Here for the next nineteen years he was responsible for the technical side of the Institution and for much of its educational work. He formulated the scheme, launched in 1921, for the award in conjunction with the Board of Education of national certificates and diplomas in mechanical engineering, and served on a joint committee on which were represented the Board of Education, the Scottish Education Department, Northern Ireland and the Air Ministry. In 1939 he was appointed Secretary to the Institution of Mechanical Engineers, responsible to the Council for the entire work of this body, with its membership of over 13 000. He retired in 1942 but continued until 1947 to help in the educational work of the Institution and to serve on government committees. After that date he continued to act occasionally in a consultative capacity to the Institution, and became Governor of Cornwall Technical College and of Falmouth Technical Institute.

Mr Montgomery edited 'The Sentinel' for some years before 1914. He was an Associate of the City & Guilds Institute and of the Institution of Naval Architecture.

Elected an Associate Member in 1908, he became a Member in 1939.

He was a widower, and is survived by three nieces.

STANLEY MEHEW, *C.B.E.*, B.Sc., who was born on 28 February, 1902, died on 1 June, 1965.

Educated at Preston Grammar School and the City of London School, he studied engineering at University College, London, and received an Honours degree (B.Sc.(Eng.)) in 1923.

After some mechanical engineering experience, he turned to civil engineering, and joined Surrey County Council in 1923, under W. P. Robinson (M), County Surveyor. Here he was engaged on the design and construction of Kingston and Sutton by-pass roads and was later appointed Bridge Assistant, responsible for five reinforced concrete bridges and associated road works. In 1929 he moved to East Sussex to join the late H. E. Lunn's senior staff, where he was concerned with extensive road construction and coastal protection and responsible for all bridge works. Subsequent promotions took him to Staffordshire in 1933 as Assistant Deputy County Surveyor and to Derbyshire as Deputy County Surveyor in 1937. His promotion to County Surveyor three years later—a position he was to retain for a quarter of a century—followed on the sudden death of Mr C. G. Milligan. Since the High Peak area was in his county, he was inevitably concerned with snow, and made a study of the most effective way of keeping roads open to traffic during severe winters: to this

end he visited, in 1963, Canada, the United States and Europe at the request of the Ministry of Transport.

Death on the brink of retirement forestalled his attendance at the inauguration of the East Midlands Airport by the Duke of Edinburgh—a project into which he had poured effort and experience. This was the culmination of his career, and the runway, rather than the many road and bridge schemes to his credit, will be regarded by engineering friends as his particular memorial.

He was the author of a paper presented to the Institution, 'Winter conditions and the civil engineer: roads'. J. 30 (March 1948), 4. Discussion: 40.

Mr Mehew was a member of the Institution of Municipal Engineers and a Fellow of the Institution of Highway Engineers: he was also an associate member of the Town Planning Institute. For his services to civil defence he was awarded the O.B.E. in 1946 and for his contribution to highway engineering the C.B.E. in 1961. He was Hon. Secretary to the County Surveyors' Society from 1955 to 1958, when he became Vice-President, and later President. He served the Road Research Laboratory for 8 years, and was actively concerned with the British Standards Association and the Permanent International Association of Road Congresses. Although so active in the civil engineering field, his private life was a full and happy one and among his hobbies were cars, fishing and small-bore rifle shooting.

Elected an Associate Member in 1928, he became a Member in 1950.

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

WALTER ARTHUR VALON, who was born on 12 February, 1872, died on 28 August, 1965.

He received his early training from 1887–1892 as pupil to his father, Mr W. A. McIntosh Valon, Consulting Engineer, and gained early experience as Assistant Engineer to Ramsgate Corporation in the gas, water and electricity departments. Five years later he went into partnership with his father in Westminster (as W. A. Valon & Son), and carried on the practice after his death, specializing in gas and water engineering. During this period (1897–1909) with the gas industry leaping ahead, he was engaged on the design and construction of many retort houses, purifiers and gasometers, including those at Ramsgate, Woking, Westgate and Enfield. He became Engineer to the Enfield Gas Company, designed and constructed extensions to their gasworks, and from 1901 to 1913 was in general control. In the sphere of water engineering he was responsible for the maintenance of sea walls at Ramsgate and Westgate, for the reconstruction of a river wall on the Medway at Hoo, and for the design of an outfall sewer and sea wall for Falmouth Corporation. He also designed and constructed a steel bridge over the River Stour.

Meantime he undertook extensive arbitration and Parliamentary work and advised many local authorities on gas and water legislation. His advice was also sought by the Gas Light & Coke Company, the Danish Gas Company, the Metropolitan Water Board, London County Council, Middlesex County Council, the Great Central Railway and the Manchester Ship Canal Company.

During World War I he was military representative for the Chiswick area from 1915–1919 and served with the IV Battalion, Middlesex Volunteer Regiment, with the rank of Captain.

Mr Valon had succeeded his father as a Director of West's Gas Improve-