

Committee, both as a member of the main committee and as Chairman of the Committee on Screw Threads and Limit-Gauges. At its meeting on the 20th June, 1916, the Council of The Institution passed the following resolution: "That the Council deeply regret the death of their colleague, Sir Hay Frederick Donaldson, which occurred in the course of public war-service rendered by him, and desire to place on record their high appreciation of the services rendered by him to The Institution and the Engineering profession, and to express to Lady Donaldson and the members of his family sincere condolence in their bereavement." It was announced in the *London Gazette* of the 12th June that he held the rank of Brigadier-General.

Sir Frederick Donaldson was elected an Associate Member of The Institution on the 7th February, 1882, and was transferred to the class of Members on the 7th April, 1891.

HARRY ERLEGH FOOTNER, born at Crewe on the 25th March, 1877, was killed in action in France on the 1st August, 1916. After serving his pupilage to the late Mr. Louis Trench, M. Inst. C.E., he joined the engineering staff of the London and North Western Railway in 1898, and was engaged on the Crewe enlargement and other works, a study of the erosion of the Welsh coast and movements in the Dee Estuary, and the Wembley and Harrow, and Abergele and Llandulas widenings. At the outbreak of war he received a commission in the Royal Garrison Artillery, and at the time of his death had attained the rank of Captain. He was elected a Member on the 23rd April, 1912.

Colonel HENRY SMITH GREENWOOD, born in Canada on the 27th April, 1861, died at Banff, N.B., on the 4th May, 1916. He was employed in the Dominion Department of Railways and Canals from 1883 to 1900, when he volunteered for service in South Africa. From 1900 to 1903 he had charge of the reconstruction of railways, as Resident Engineer at Johannesburg, and continued to act at that centre as District Engineer of the Central South African Railways until 1907, when he returned to Canada to become Assistant Chief Engineer of the Canadian Northern Railway. On the outbreak of war, being in England, he offered his services to the War Office, and was employed under the Quartermaster-General until December, 1915. He was elected a Member on the 1st March, 1904.

WALTER JOHN HAMMOND, born at Ashford, Kent, on the 21st January, 1849, died at Knockholt on the 11th August, 1916. After gaining experience on the South Eastern Railway, he was appointed in 1871 Locomotive Superintendent of the Campiñas Railway, São Paulo, Brazil, and 4 years later became General Manager and Engineer to the Company, carrying out many important works and extensions. In 1892, after 21 years' service, during which he did much to ameliorate social and labour conditions in Brazil, he retired and returned to England. He was a

director of several companies, in connection with which he subsequently visited South America. He was elected an Associate on the 2nd March, 1875, subsequently became an Associate Member, and was transferred to the class of Members on the 2nd January, 1884.

CHRISTIAN KUSSMAUL, born on the 9th January, 1851, died at Melbourne, Australia, on the 30th July, 1916. After gaining experience on railways in Germany, he went out to Australia in 1886 and joined the staff of the Victorian Railways. In 1891 he entered the service of the Melbourne and Metropolitan Board of Works, and subsequently was promoted to be Designing Engineer, latterly acting as deputy to the Engineer-in-Chief. He took a large part in the design of the Melbourne sewerage system, retiring in 1915. He was elected an Associate Member on the 6th December, 1898, and was transferred to the class of Members on the 24th February, 1903.

FREDERICK WILLIAM LACEY, born at Norwich on the 2nd October, 1855, died at Bournemouth on the 24th March, 1916. In 1877 he went out to South America as Assistant Engineer to the Colombian Hydraulic Mining Company, and returning home in 1881, was appointed Engineer to the Brentford Local Board. In 1890 he became Borough Engineer and Surveyor of Bournemouth, an office which he retained until his death. In this capacity he was associated with the tramway installation, the Undercliff Drive and other sea works, the erection of public buildings, drainage, road and water-supply works, and many other improvements carried out in Bournemouth during his tenure of office. Mr. Lacey was elected an Associate Member on the 19th May, 1885, and was transferred to the class of Members on the 16th February, 1897.

JOHN THORPE LEWIS, born at Nottingham on the 24th January, 1868, was killed in action at the Dardanelles on the 9th August, 1915. After acting as an Assistant Engineer on the Dore and Chinley Railway and on sections of the Great Central Railway, he joined the staff of the South India Railway in 1893, serving in various capacities until 1905, when he became Chief Engineer of the line. On the outbreak of war, notwithstanding his age, he relinquished this appointment to accept a captaincy in the Army. He was elected an Associate Member on the 5th December, 1893, and was transferred to the class of Members on the 13th December, 1904.

CHARLES RAMSDEN MAY, born on the 12th June, 1859, died at Bexhill on the 6th March, 1916. Trained under Messrs. Easton, Anderson and Goolden, he was subsequently employed on the superintendence of their contracts for the erection of machinery at waterworks, docks and other works in various parts of the world. In 1899 he went out to the Assuan Dam, becoming Resident Engineer in 1901. On its completion in 1903 he joined the engineering staff of the London County Council, remaining in