

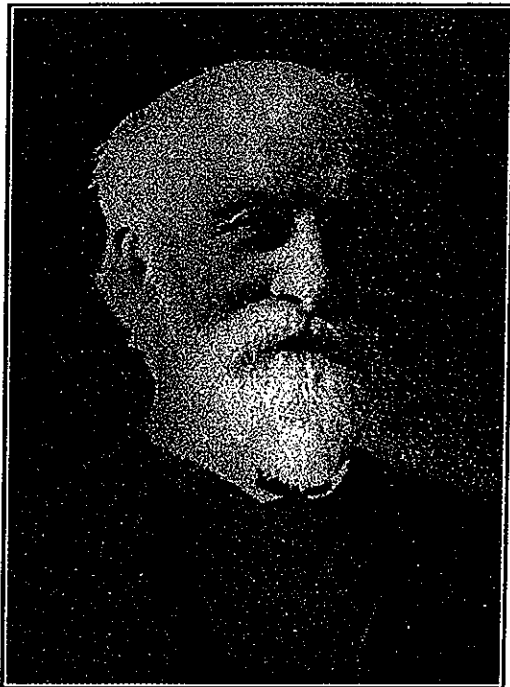
He was noted for his keen and ready wit and sense of humor so typical of the Irish race.

J. W. Harris, D.L.S., Assessment Commissioner and City Surveyor, Winnipeg, served his apprenticeship with Mr. Jones, who was his uncle. Moses McFadden, now of Brandon, Manitoba, was one of Mr. Jones' first students.

Francis Jones resided at Kemptville, where he died on August 2nd, 1887.

His brother, Edward Jones, became widely known as a skillful mechanical engineer, and had a practical knowledge of surveying operations. He died March 26th, 1894, aged 72 years.

SIR SANDFORD FLEMING.



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Sir Sandford Fleming was born at Kirkcaldy, Fife-shire, Scotland, January 7, 1827, migrating to Canada with his brothers in 1845.

It is on record that at the burning of the Parliament Buildings at Montreal by a Tory mob in 1849 he was one of four who succeeded in removing Queen Victoria's portrait.

He began his studies in surveying in Scotland, and his professional career in Canada on the Northern Railway, becoming chief engineer in 1857.

He qualified as a Provincial land surveyor April 28th, 1849, and was appointed a member of the Board of Examiners in 1852, retaining that office for about fifteen years. From 1864 to 1876 he was chief engineer of the Intercolonial Railway, and in 1871 was appointed chief engineer on C. P. R. surveys.

In 1872 he headed an exploratory expedition to the Pacific Ocean, via the Caribou Head Pass, the results of which are embodied in Prince Rupert's book, "Ocean to Ocean." During the '70's he also supervised railway exploration work in Newfoundland. In 1880 he retired from the service of the Dominion Government, but continued to act in an advisory capacity. In the same year he was elected as Chancellor of Queen's University, which office he held until his death.

His efforts contributed in no small degree to the adoption of initial meridians common to all nations, and the initiation of the movement for a reform in time reckoning, resulting in our present twenty-four hour system of time zones. Another subject which he studied and made his own was that of an Empire-girdling system of ocean cables. The Pacific cable was mainly due to his untiring propaganda.

Various honors and degrees were conferred upon him from time to time in consideration of his valued services.

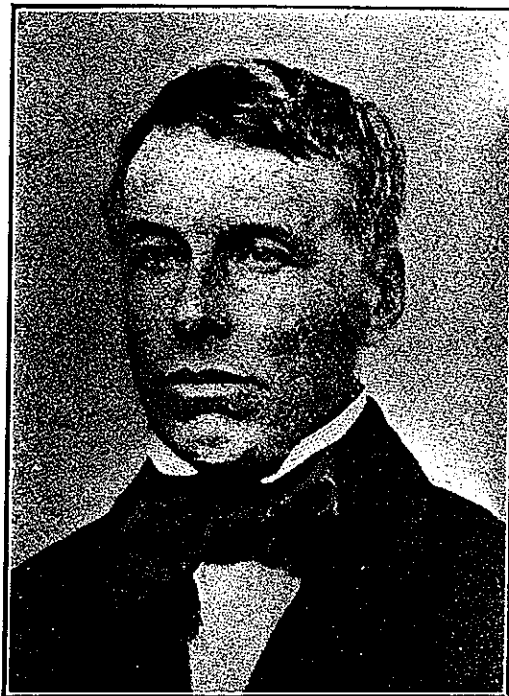
The venerable Canadian Institute of Toronto was organized in 1851. Mr. Fleming was one of the charter members, and chiefly instrumental in its organization.

He died at Halifax on July 22nd, 1915. Winterholme was his Ottawa residence after 1869.

JOHN KNATCHBUL ROCHE

John Knatchbul Roche was born at London, England, March 15th, 1817, and was third son of Capt. John Roche, R.N. He was educated at Christ's Hospital, London, England, and came to Canada about 1833. His brother, George M. Roche, was Crown Lands Agent at Lindsay, Ont., for many years and a Magistrate.

Mr. J. K. Roche received his appointment as Deputy Provincial Surveyor on December 1st, 1841, and was appointed a member of the Board of Examiners in 1852, and was present at the first meeting on April



JOHN K. ROCHE.