

ASSOCIATION OF ONTARIO LAND SURVEYORS

On 25th September, 1902, he married Violet I. Ord, a sister of the late Louis R. Ord, O.L.S., of Toronto. The Ord family is descended from one of the oldest historic families of the city, including such former well known names as Hon. William D. Powell, the first Chief-Justice of Upper Canada, and Sheriff William Botsford Jarvis, of Rosedale.

Mr. A. G. Ardagh died in hospital at Toronto, 8th September, 1940, and was interred in the cemetery at Barrie. His wife, but no family, survives. He was a man of great religious fervour, a member of the "Brethren", and in every way a fine Christian gentleman, and a good Surveyor.

The photograph which accompanies this sketch is an enlargement from a group photograph taken at the last Veteran's Luncheon attended by Mr. Ardagh.

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**ROBERT DANIEL McCaw**

The late R. D. McCaw, B.C.L.S., O.L.S. and D.L.S. was born 24th May, 1884, at Welland, Ontario, and died at Victoria, B.C., on 22nd August, 1941.

He was the eldest of four sons of John and Fannie Armstrong McCaw. His father was an early merchant and an elder in the Presbyterian Church at Welland. His grandfather, Daniel McCaw, was of old Scottish Covenanter stock.



His early education was in the public and high schools at Welland, also taking a correspondence course from an institute in the U.S.A. In the year 1903 he was articled to the late George Ross, O.L.S., D.L.S. and C.E., and later transferred to the late Edward Gardiner, O.L.S., of St. Catharines, Ontario, for a short time. He received his Ontario Commission 16th February, 1907, and then entered into partnership

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with the late George Ross in the practice of surveying at Welland till 1909. Early in 1909 he received his D.L.S. Commission, and the same year, because the climate of Ontario did not agree with him, the partnership with Mr. Ross was dissolved and he was given work under Arthur O. Wheeler, D.L.S. topographer for the Department of the Interior, on examination of lands in the Railway Belt in British Columbia, with headquarters at Calgary, and while there became an Alberta Land Surveyor. In 1910, on Mr. Wheeler's resignation from the Department of the Interior, he was placed in charge of the work in the Railway Belt. In 1911 he left this work to go on land surveys in Northern British Columbia under Mr. Wheeler, who was then located at Sidney, Vancouver Island.

In 1912 Mr. McCaw received his B.C.L.S. Commission and became a member of the firm of Wheeler, Campbell and McCaw. He was then engaged in road location on the West Coast of Vancouver Island for the Public Works Department at Victoria during the years 1912 and 1913.

In 1913 he made a photo-topographical survey along the route of the Banff-Windermere Highway for the Public Works Department of B.C. In 1914 the firm of Wheeler, Campbell and McCaw was dissolved, and in May of that year Mr. McCaw began to make photo-topographical surveys for the Surveys Branch of the Department of Lands of the Province of British Columbia. He was the first to make such surveys for the Department.

On April 1st, 1929, he was appointed a member of the permanent Provincial Civil Service. From May, 1914, to just prior to his death, he had mapped topographically the Okanagan Valley, parts of Shuswap Valley, the Similkameen Valley, the Nicola Valley, parts of the Skagit River Valley, a portion of Cariboo District north of Quesnel Lake, and other parts of Cariboo District.

In 1935 and 1936, Mr. McCaw was working on Vancouver Island and the West Coast; in 1937 and 1938 he was on the Finlay River, and in 1939 was again on Vancouver Island, and worked around Alberni in 1940 and 1941.

He was on the Board of Management of the Corporation of British Columbia Land Surveyors in 1931 and 1932, Vice-President in 1933, President in 1934, and an ex-officio member in 1935. On March 28th, 1913, Mr. McCaw married, at Winnipeg, Miss Ethel Madge McConnell, a daughter of the late Mr. and Mrs. Edward McConnell, of Lakeview, Ontario.

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Mr. McCaw was in the field early last Summer, when he was taken ill and had to return to Victoria and was given sick leave. His passing was a great shock to all his friends, as it was thought that he was recovering.

He is survived, besides his wife, by two brothers, John, in Ontario, and L. Douglas McCaw, who is in Welland, carrying on the business established by his grandfather in the middle of the last century.

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**ROBERT McDOWALL**

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**By his son, James R. McDowall**

Robert McDowall, C.E., was born on June 8th, 1864, was educated at Chatsworth Public School and Owen Sound Collegiate Institute and entered the School of Practical Science, Toronto, as a student in Civil Engineering in 1885, having previously taught in a Public School from 1883 to 1885. He graduated in April, 1888, and for a year was employed as an engineer by the contractor for the construction of piers and abutments of the bridges for the Canadian Pacific Railway entrance to Toronto down the Don River Valley. In 1889 he entered upon private practice as a Civil Engineer in Owen Sound, putting in time under A. L. McCullough, Provincial Land Surveyor, for one year and receiving his commission as a Provincial Land Surveyor on November 11th, 1890.

During the period from 1890 to 1938 Mr. McDowall acted as Engineer for Owen Sound, Collingwood, Meaford, Wiarton, Chesley, the Counties of Grey and Bruce and many villages and townships. His engineering work included sewers, waterworks, bridges, pavements, grading, harbour work, dams, tunnels and many minor works. Surveying activities embraced railways, subdivisions in cities, towns and water fronts, mining claims in Rainy River and many other assignments.

Mr. McDowall received his professional degree of C.E. from the University of Toronto in 1901. He was enrolled as a student member of the Canadian Society of Civil Engineers (now the Engineering Institute of Canada) one month after its inception in 1887, becoming an associate member in 1892. Later he was made a Life Member.