

veys of railways in Zululand. In 1915 Mr. Dalziel became associated with the Imperial Ministry of Munitions, first as district inspector, and later (and to date) as chief inspector.

DAVIES, GEORGE VICTOR, of Quebec, Que., elected associate member. He was born at Liverpool, Eng., and educated in that city at the Technical School, and later at the University of Liverpool. Mr. Davies was for a time designer with Francis Morton & Co., and later was put in charge of design and erection of work with the Redpath, Brown & Co., Manchester. Since 1913 to date he has been assistant engineer with the St. Lawrence Bridge Co., Quebec.

DAWSON, SYDNEY GEORGE, of Ottawa, Ont., transferred from the class of junior to associate member. He was born at Plevna, Ont., and educated at Queen's University, where he took a B.Sc. degree. After serving for several years as rodman on the Transcontinental Railway and draftsman with the City Engineer at Ottawa, he was appointed resident engineer on sewers at Edmonton, Alta. He was for one year resident engineer on the Rideau River sewer at Ottawa, and in the following year became draftsman with the Imperial Munitions Board. In 1917 he became draftsman and junior office engineer with the Department of the Interior at Ottawa, and is at the present time district hydrometric engineer at Calgary.

DE WOLF, ALLAN HATCH, of Cranbrook, B.C., elected associate member. After completing his course in engineering at the Minnesota University, Mr. De Wolf was apprenticed to J. T. Laidlaw, Mining Engineer and B.C. Land Surveyor, and subsequently he was given charge of surveys covering land subdivision in British Columbia: timber, mine and mineral claim surveys in the Kootenays, B.C.; also irrigation engineering and flume building, railroad engineering and right-of-way surveying. Mr. De Wolf is at the present time City Engineer of Cranbrook, B.C.

FREDETTE, JOSEPH F., of Montreal, Que., transferred from the class of junior to associate member. He was born at Sherrington, Que., and educated at the Brevet Academie and by self-tuition in general engineering and hydraulics. He obtained a D.L.S. commission in 1914, and in the same year became first assistant to G. H. Herriot, D.L.S., on block outline surveys. He is at the present time with P. J. McGarry, B.Sc., D.L.S., on survey plans and computations in Merriton, Ont.

FREEMAN, J. REGINALD, of Halifax, N.S., has been transferred from the class of associate member to that of member. He was born at Milton, N.S., in 1881, and after completing his education at the I.C.S., he became instrumentman on the H. & S.W. Ry. He was for one year resident and assistant bridge engineer on James Bay Road, and in 1910 became resident engineer on the Transcontinental Railway. He is at the present time senior assistant engineer to H. A. Russell and W. P. Morrison, Department of Public Works, Halifax, N.S.

GOLDMAN, HYMAN A., of Toronto, Ont., transferred from the class of junior to associate member. Mr. Goldman was born in Russia in 1886, and obtained his degree in civil engineering at Valparaiso University in 1912. While attending college he was assistant on design and layout of a system of sewers in the town of Know, Indiana. In 1912 he became associated with the construction department of the C.P. Ry., and later was engaged for one year on designing and estimating in the bridge department of that company. After serving in various engineering capacities with several companies, Mr. Goldman in 1916 became assistant engineer with the Tor-

onto Harbor Commissioners, which position he holds at the present date.

HART, PERCY EDWARD, of Toronto, Ont., elected member. Mr. Hart was born at Turnchapel, near Plymouth, England, in 1870. After leaving school he was for two years in charge of a small electrical plant, and in 1891 became construction foreman with the Edison Electric Co. Since 1913 Mr. Hart has been managing engineer with the Toronto Hydro-Electric System, in charge of all engineering matters in construction, operation and design.

HAYS, DAVID WALKER, of Medicine Hat, Alta., elected member. He was born at Bridgeport, Cal., in 1878, and educated at the MacKay School of Mines, Nevada, where he received his B.S. degree in 1900. Mr. Hays was for a time levelman and topographer for the Department of Highways, Cal., and later served as division engineer and district engineer on the Mickel Caisson project, Nevada, where he was in charge of laying out and construction of irrigation works, and also in charge of maintenance and general investigation. From 1912 to 1917 he was chief engineer with the Southern Alberta Land Co., and since that time has been general manager and chief engineer with the Canada Land and Irrigation Co., Alberta.

HEIN, OVE JENSEN, of Montreal, Que., elected associate member. Mr. Hein was born at Copenhagen, Denmark, in 1882, and received his C.E. degree in his native city in 1906. In the following year he became draftsman in the Bridge Department, C.P. Ry., at Montreal, and later became assistant engineer and resident engineer on construction of Hydraulic Fill Dam, Coquitlam, B.C. He is at the present time a member of the firm of Hein, Crombie Co., Engineers.

HEMMERICK, GEORGE, of Saskatoon, Sask., transferred from the class of student to that of associate member. He was born at Conestoga, Ont., in 1891, and obtained his B.Sc. at Queen's University in 1916. During the summer vacations while attending college he served in various capacities with different mechanical concerns, and in 1917 became assistant and resident engineer with the British Cordite Co. on plant construction at Nobel, Ont. He is at the present time with Murphy & Underwood, consulting engineers, in the capacity of draftsman and resident engineer.

JACK, ROBERT TORRANCE GRANT, of Toronto, Ont., elected associate member. He was born at Orillia, Ont., and educated at the S.P.S., Toronto. Since 1912 Mr. Jack has been resident engineer on sewer construction work in Toronto.

JAMIESON, WILLIAM TURNBULL, of The Pas, Man., transferred from the class of junior to associate member. He was born at Glasgow, Scotland, and received his education at the West of Scotland Technical College. From 1901 to 1906 he served apprenticeship with Wyllie & Blake, Glasgow, and later became resident engineer on construction of large sewage disposal works for various Scottish towns. For three years he held the position of assistant engineer for the city of Verdun. In 1911 he became associated with the N. T. Ry., as draftsman, instrument man and resident engineer. Mr. Jamieson is at the present time division and office engineer with the Hudson Bay Ry.

JETTE, JOSEPH C. H., of Three Rivers, Que., transferred from the class of junior to associate member. He attended the Mount St. Louis College in Montreal, his native city, and obtained his B.A.Sc. and C.E. degrees from the Polytechnic School in 1912. Since that time Mr. Jette has been assistant engineer for the Public