

Works Department, Three Rivers District, in charge of construction of sewers, irrigation work, etc.

JOYCE, WALTER EDWARD, of Montreal, Que., elected associate member. He was born at New Haven, Conn., and educated at Yale, where he received the Ph.B. and C.E. degrees, and completed a post-graduate course in 1911. For two years after leaving college Mr. Joyce was draftsman and checker on structural steel bridges and reinforced concrete, Bridge Department, Kansas City. He later became assistant to H. D. Robinson, consulting engineer on bridges, with the C.N. Ry. at Montreal, where his work consisted in checking designs and preparing standard drawings of bridges for various spans. Since 1914 Mr. Joyce has been with the Mount Royal Tunnel & Terminal Co., Ltd., Montreal, as engineer of design in connection with the C.N.R.

KENDALL, LESLIE EVANS, of New Glasgow, N.S., transferred from the class of junior to associate member. He was born at Charlemagne, Que., in 1887, and received his B.Sc. degree at Queen's University. He was for six years leveller and transitman with the Militia Department at Ottawa. In 1912 he became assistant engineer and assistant resident engineer with H. Holgate, Montreal. Mr. Kendall is at the present time assistant inspector of shell components in charge of Maritime District, Imperial Ministry of Munitions.

KIPP, THEODORE, JR., of Winnipeg, Man., elected member. Born in Germany, in 1880, he emigrated to the United States the following year. After receiving his education at the Bradley Polytechnic Institute at Peoria, Ill., he was with the National Cereal Milling Co., of Chicago, for several years, and subsequently he became assistant manager, engineer and designer with the Independent Cereal & Milling Co., Peoria. Since 1914 Mr. Kipp has been consulting and sales engineer, Theodore Kipp Co., Ltd., Winnipeg, and is at the present time also general superintendent and engineer with the Ogilvie Flour Mills Co., Ltd.

LAKE, NORMAN JOHN, of Markdale, Ont., transferred from the class of student to that of junior. He was born at Brantford, Ont., and completed his education at McGill University. In 1916 Mr. Lake was placed in charge of cable installation with the Abitibi Power and Pulp Co. of Canada, Brantford, and for two years subsequent to this undertaking he was with the Canadian Westinghouse Co., engaged on installation of electrical machinery, in which capacity he is serving at the present time.

LAMARQUE, ERNEST CHARLES WILLIAM, of Anyox, B.C., elected associate member. Mr. Lamarque was born at Maidstone, England, and educated in his native town. In 1912 he was put in charge of right-of-way surveys for the C.P. Ry. in British Columbia, and two years later became locating engineer for the late D. A. Thomas (Viscount Rhonda), in the Peace and Slave River Districts. He is at the present time assistant engineer and surveyor for the Granby Mining, Smelting & Power Co.

LAMONT, ARCHIBALD WILFRID, of Winnipeg, Man., transferred from the class of junior to associate member. He was born at Mount Brydges, Ont. in 1889, and educated at the University of Toronto, where he obtained his B.A.Sc. degree in 1910. Subsequent to his college career he became sales engineer with the Canadian Westinghouse Co., Ltd., of Winnipeg, and later, for one year, held the position of power engineer with the Toronto Hydro-Electric. He is at the present time sales engineer and in temporary charge of the Canadian Westinghouse Co., Ltd., Winnipeg, Man.

LAVIGNE, ERNEST J. T., of Quebec, Que., transferred from the class of junior to associate member. He was

born at Quebec in 1892, and obtained his B.A.Sc. degree at Laval University in 1916. Subsequent to his college career he became third assistant engineer with the Department of Public Works and Labor at Quebec, which position he holds at the present time.

MACDONALD, GORDON SCOVIL, of St. John, N.B., elected associate member. He was born at St. John in 1887, and took his B.Sc. degree at the University of New Brunswick. Mr. Macdonald has had five years' experience as draftsman with several railway companies, serving also at the same time in other capacities. He is at the present time district engineer, Marine and Fisheries Department, St. John, N.B.

MACKENZIE, WILLIAM DUNCAN, of Winnipeg, Man., elected associate member. He was born at Brantford, Kansas, in 1884, and finished his education at the S.P.S., Toronto. He was for two years rodman on the Trent Canal and later with the C.N. Ry. Since 1913 Mr. Mackenzie has been with the Greater Winnipeg Water District as transitman, later as resident engineer, and at the present time division engineer.

MACNAB, IRA PERCY, of Halifax, N.S., elected associate member. He was born at Malagash, N.S., and educated at the Nova Scotia Technical College, where he received his S.B. degree. After serving a four years' apprenticeship in a machine shop, Mr. MacNab became journeyman machinist, and later manager of the Truro Engineering Works. For the past three years he has been mechanical superintendent of the Nova Scotia Tramways and Power Co., Halifax.

McCOLOUGH, REGINALD WALKER, of Halifax, N.S., elected associate member. He was born at Dartmouth, N.S., in 1887, and received his education at the Nova Scotia Technical College. He was for some time draftsman for the Halifax and Eastern Ry., and later on became instructor in surveying at the Nova Scotia Technical College. After being engaged for a time at instrument work for the Dominion Government hydraulic surveys he became resident engineer with the Canadian Government Railways, Dartmouth to Deans Branch. Mr. McColough is at the present time 3rd division officer, R.C.E., Halifax, N.S.

MIFFLEN, SYDNEY, CLARENCE, of Wabana, Nfld., elected junior member. He was born at Catalina, Nfld., in 1891, and received his B.Sc. degree at McGill University in 1914. After leaving college he was for one year engineer for the Furness Withy Co., St. Johns, Nfld. At the present time Mr. Miffen is engineer with the Dominion Iron & Steel Co., at Wabana Mine, Newfoundland.

*(Concluded in the next issue.)*

## TO INVESTIGATE ALKALINE ACTION

At the last meeting of the council of the Engineering Institute of Canada, the committee of the western branches appointed to investigate the action of alkaline soil on concrete was ratified as follows:—B. S. McKenzie, W. G. Chace, W. P. Brereton, J. C. Holden, J. R. C. Macredie, E. A. Markham, H. McI. Weir, R. J. Lecky, Geo. W. Craig, F. W. Alexander, H. Sidenius and A. S. Dawson.

The business heretofore conducted in the name of John Baker, Jr., New York City, will, in future, be conducted as the Asphalt Department of the Texas Company. John Baker, Jr., has previously been special agent for the asphalt and road oil business of the Texas Co.