

PERSONAL.

J. L. LANG, B.A.Sc., has accepted a position in Galt as assistant to the City Engineer, C. D. Campbell.

C. R. HOLMES, B.A.Sc., has joined the Chicago staff of the Hoskin Manufacturing Company, of Detroit, as salesman for electric furnaces, pyrometers, etc.

T. G. HASTIE, Division Engineer in British Columbia for the Great Northern Railway, is conducting the inspection of development work on the Victoria and Sidney Railway, B.C.

WYNN MEREDITH, Consulting Engineer for Victoria on the Sooke Lake water supply project, is recovering from a severe illness in a Los Angeles hospital, and is expected in British Columbia soon again.

M. T. CANTELL, Lic. R.I.B.A., A.S.I., Professor of Architecture and Civil Engineering, Municipal Technical College, Brighton, Eng., and author of "Reinforced Concrete Construction," has become associated with the Success College of Science and Trade, Winnipeg, as Principal.

RUSSELL G. SWAN, B.A.Sc., an honor graduate in Civil Engineering, University of Toronto, has been promoted to the position of Chief Engineer of the British Columbia Hydrographic Survey of the Department of the Interior. As Mr. Swan has had considerable experience in hydrographic survey work, especially in connection with water powers in various parts of the West, he is well qualified for his work. Mr. Swan's headquarters will be in the Dominion Government offices at Vancouver.

A. M. BEALE, B.Sc., Engineer of the Water Power Branch of the Department of the Interior, is now in the West making an investigation of the question of the development of small water powers of less capacity than 200 horse-power which would be of advantage to small communities. It is understood that there are at present a number of applications before the Department for the right to develop such small schemes in various parts of the Provinces of Manitoba, Saskatchewan and Alberta. While these are of small capacity, they are in many cases of great importance to the particular district affected. Mr. Beale's investigations will be watched with considerable interest, as the question of the utilization of power for farm and small mill purposes has been already demonstrated to be a success in various States of the Union, and also in our own Province of Ontario, where the Ontario Hydro-Electric Commission has been able to demonstrate that the milkmaid and the old hand-pump are no longer an absolute necessity.

N.T.R. CONSTRUCTION.

At the October meeting of the Canadian Railway Club, held at the Windsor Hotel, Montreal, Mr. R. F. Uniacke, Bridge Engineer of the National Transcontinental Railway, gave a most interesting illustrated lecture covering some of the difficulties encountered in the construction of the road, showing in some detail the undertakings, their problems and the solutions.

Some of the greatest difficulties he mentioned were due to clay subsoil not capable of bearing the weight of a heavy fill. In one instance the approach to a bridge was shown where the concrete pier at once end and the first span had been entirely carried away. Another was of a deep fill which began to move down along the river, which it approached, as soon as completed, and refused to be stayed. These and similar difficulties were constantly being met.

The speaker stated that the rails were now joined from Moncton to Winnipeg, with the exception of the crossing of

the St. Lawrence at Quebec, which awaited the completion of the bridge. Meanwhile a ferry was being built which would be in operation next May. There had been difficulties to overcome in ferrying trains across the St. Lawrence, both winter and summer, in the flow of ice, the rise and fall of the tide, and, as a consequence of this latter, the freezing of the water on the sides of the docks, which sometimes reached a thickness of eight and nine feet. The ferry boat finally decided upon was to be constructed with a tidal deck, with a rise and fall of eighteen feet, and with an "apron" at each end, which joined the rails of the boat with those of the docks.

ONTARIO ASSOCIATION OF ARCHITECTS.

At the twenty-fourth annual convention of the Ontario Association of Architects the following officers and Council were elected for the year: President, C. H. Acton Bond, Toronto; first vice-president, Herbert E. Moore, Toronto; second vice-president, L. Fennings Taylor, Ottawa; treasurer, J. P. Hynes, Toronto; registrar, Franklin E. Belfry, Toronto; and Colborne P. Meredith, Ottawa; J. W. Powers, Kingston; W. R. Gregg, Toronto; W. W. Stewart, Hamilton; Charles E. Langley, Toronto, Council.

AMERICAN SOCIETY FOR MUNICIPAL IMPROVEMENTS.

At the annual meeting, held in Wilmington, Del., recently, the following officers were elected for the ensuing year: President, Edward H. Christ, of Grand Rapids; first vice-president, W. A. Howell, of Newark, N.J.; second vice-president, A. F. Macallum, of Hamilton, Ont.; third vice-president, N. S. Sprague, of Pittsburg; secretary, C. C. Brown, of Indianapolis; treasurer, W. B. Howe.

Boston was selected for the 1914 convention.

COMING MEETINGS.

NATIONAL SOCIETY FOR PROMOTION OF INDUSTRIAL EDUCATION.—Annual convention to be held at Grand Rapids, Mich., October 19th to 25th. Secretary, C. A. Prosser, 105 E. 22nd Street, New York City.

AMERICAN MINING CONGRESS.—Annual convention will be held at Philadelphia, Pa., October 20th to 25th. Secretary, J. Callbreath, Majestic Building, Denver, Colo.

AMERICAN RAILWAY BRIDGE AND BUILDING ASSOCIATION.—Annual convention will be held at Montreal, Que., October 21st to 23rd. Secretary, C. A. Lichty, 319 N. Waller Avenue, Chicago, Ill.

UNITED STATES GOOD ROADS ASSOCIATION.—Convention will be held at St. Louis, Mo., November 10th to 15th. Secretary, J. A. Rountree, Lo21 Brown-Marx Building, Birmingham, Ala.

NATIONAL MUNICIPAL LEAGUE.—Annual meeting will be held in Toronto, November 12-15. Secretary, C. R. Woodruff, 705 North American Building, Philadelphia, Pa.

AMERICAN ROAD BUILDERS' ASSOCIATION.—Tenth Annual Convention to be held in First Regiment Armory Building, Philadelphia, Pa., December 9th to 12th. Secretary, E. L. Powers, 150 Nassau Street, New York, N.Y.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—The annual meeting will be held in New York, December 2nd to 5th, 1913.