

canal here, the Minister replied that the matter was as yet only in its initial stages, but there would be no use of the Government deepening the Welland Canal without also taking care of the shipping interests at the Soo. To a question as to the location of the proposed new lock, Mr. Cochrane thought it would be to the south of the present one, as the Government has expropriated all the land in anticipation of this. The influence of the Minister of Railways and Canals was solicited in preventing the narrowing of St. Mary's River by means of docks being built out past the deep-water line, as it is contended that all the space available is needed at present for the handling of the large vessels plying up and down the river.

PERSONAL

T. AIRD MURRAY, consulting engineer, Toronto, has been engaged by the town of Whitby, Ont., as engineer in connection with the proposed establishment of a sewer system.

STEPHEN MORRISON, mining engineer, Scotland, has opened an office in Victoria, B.C. Mr. Morrison is interested in British Columbia development, and believes in the development of Pacific commerce to relieve the congestion of shipping in the Atlantic.

J. KEELE, of the Department of Mines, Geological Survey, has returned from the West, where, in company with Dr. Heinrich Ries, professor of geology at Cornell University, investigation into the clay resources of Canada has been continued this summer.

ARTHUR H. BLANCHARD, M. Can. Soc. C.E., consulting highway engineer and professor in charge of the graduate course in highway engineering at Columbia University, and PREVOST HUBBARD, Assoc. Am. Soc. C.E., consulting chemist, in charge of the division of roads and pavements, the Institute of Industrial Research of Washington, and lecturer in highway engineering chemistry in Columbia University, have formed a partnership under the firm name of Blanchard & Hubbard, highway efficiency experts, with offices at Broadway and 117th Street, New York City. At present Messrs. Blanchard & Hubbard are retained by Commissioner John H. Delaney as the advisory board on highways for the New York State Department of Efficiency and Economy, and a few days ago the announcement was also made that they had been delegated to serve as members of the United States Committee on "Standardization of Nomenclature of Road Materials," which committee is to co-operate with the Engineering Standards Committee of Great Britain.

OBITUARY.

D. A. McCRAW, of Welland, Ont., a third year student in civil engineering at the University of Toronto, died on September 15th after an illness of only several days' duration.

DONALD MATHESON, a young engineering student connected with a survey party in Northern Ontario for the Canadian Pacific Railway Company, died on September 20th as a result of blood poisoning from the bites of black flies.

JAMES ROSS, well known in engineering and financial circles, died at his home in Montreal on September 20th, 1913, after a short illness. Death was due to acute heart trouble.

Mr. Ross was born in Scotland in 1848, and, after completing his education there, spent a few years in railway, harbor and waterworks in England. He came to America in 1870, and became resident engineer of the Ulster and

Delaware Railway, and subsequently was chief engineer. Mr. Ross was in turn connected with the Wisconsin Central Railway and the Lake Ontario Railway. He moved to Canada, and was appointed chief engineer and then elected general manager of the Victoria Railway. In 1878-1879 he built the Credit Valley Railway, and was its general manager. He was consulting engineer for the Ontario and Quebec Railway. Mr. Ross took control of the construction of the Canadian Pacific Railway west of Winnipeg in 1883, and in 1885 completed that line over the Rocky Mountains. He took up his residence in Montreal in 1888. Mr. Ross assisted in building many of the leading railways in Canada and in electrifying her street railways, such as those of Toronto, Montreal, Winnipeg, St. John, etc. He carried out work of a similar character in England and Jamaica, and was the first president of the Mexican Power Company, which developed an immense water power at Necaxa and controls the electric business of the city of Mexico. Subsequently he became president and active head of the Dominion Coal Company.

From among his numerous business connections it might be mentioned here that he was vice-president and managing director of the Montreal Street Railway; vice-president of the Toronto Street Railway, president of the Winnipeg and St. John Street Railways, president of the Dominion Bridge Company, vice-president of the Montreal Light, Heat and Power Company.

Although Mr. Ross had withdrawn from most of his business activities, he retained the presidency of the Dominion Bridge Company and St. John Railway until his death.

Mr. Ross was a member of the Canadian Society of Civil Engineers and also of the American Society of Civil Engineers.

ROYAL ARCHITECTURAL INSTITUTE

The Royal Architectural Institute of Canada closed its Sixth Annual Convention, held in Calgary, September 15th and 16th, with the following election of executive officers: J. H. G. Russell, Winnipeg, Manitoba, retains his office as president, and Alcide Chausse, of Montreal, is honorary secretary. The vice-presidents are Roland W. Lines, Edmonton, Alta., and J. P. Ouellette, Quebec. J. W. H. Watts, of Ottawa, is honorary treasurer.

Quebec was chosen as the next place of meeting, the date to be September, 1914.

COMING MEETINGS.

AMERICAN ROAD CONGRESS.—Annual Session will be held in Detroit, Michigan, from September 29th to October 4th. Secretary, J. E. Pennybacker, Colorado Building, Washington.

AMERICAN SOCIETY OF MUNICIPAL IMPROVEMENTS.—Twentieth Annual Meeting to be held in Wilmington, Del., October 7th to 10th. Secretary, A. Prescott Folwell, 15 Union Square, New York.

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.

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 CONCRETE INSTITUTE.—Tenth Annual Convention to be held in Chicago, February 16th to 20th, 1914. Secretary, E. E. Krauss, Harrison Building, Philadelphia, Pa.