

and the Esquimalt and Nanaimo Railway on one hand, and the city and the British Columbia Electric Railway on the other were the subjects of discussion, and several changes were suggested to protect the city's interests. For the first time it developed from a remark that the share of the provincial government will be \$150,000. This will be given as a lump sum to aid construction, and will involve no obligation to contribute anything towards maintenance, as the government does not regard itself as bound in any sense to assist in the future payments for the bridge. The British Columbia Electric Company's share is to be \$50,000. The share of the Canadian Pacific is to be such a sum as would put a new bridge on the present site, which, the engineer said had been set at \$80,000. The balance, some \$120,000, is to be found by the city. Maintenance is to be met jointly by the three last-named parties to the scheme.

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### PERSONAL.

CHARLES A. MAGRATH, W. A. McLEAN and A. M. RANKIN have been appointed by the Ontario Government as a commission on Ontario roads.

WM. STORRIE, A.M.I.C.E., until recently waterworks engineer for the city of Ottawa, has joined the staff of the John M. Ver Mehr Machinery Company, the builders of the Ransome municipal filters.

W. A. CASEY has been appointed municipal engineer at Esquimalt, B.C. Mr. Casey was previously a member of C. H. Topp's staff, Mr. Topp carrying on a consulting engineering practice in Esquimalt.

GEORGE A. JOHNSON, of Johnson & Fuller, consulting engineers and sanitary experts, of New York city, was a visitor at the offices of *The Canadian Engineer* while passing through Toronto last week.

SIR ALEXANDER H. BINNIE, of London, Eng., has been obliged to relinquish his appointment with the city of Ottawa to report on water supply, owing to ill-health. Messrs. William Binnie and R. S. Tickell have been appointed to do the work.

E. P. A. PHILLIPS, B.A.Sc., O.L.S., has been appointed corporation surveyor for the city of Port Arthur. Mr. Phillips is a graduate in civil engineering of the University of Toronto, and has for some time been engaged in surveying with the firm of J. G. Mackay, of Hamilton, previous to which he was a member of the firm of Pierce & Phillips, Porcupine, Ont.

J. B. CHALLIS, B.A.Sc., superintendent of the Dominion water powers branch, and S. J. ROBINS, assistant private secretary to the Minister of the Interior, have left for the coast for the purpose of consulting with the British Columbia Government with regard to water powers in the railway belt there.

M. J. PATON, M.A., has resigned his position as assistant secretary and editor for the Conservation Commission to accept the position of treasurer of the Publishers' Association of Canada, with head offices in Toronto. He is an honor graduate of Queen's University, having obtained his M.A. in 1909 and winning the gold medal in economic science.

LAWFORD GRANT, who recently resigned the managing-directorship of the Canadian British Insulated Company, Limited, Montreal, will assume his new position with the Eugene Phillips Electrical Works, Montreal, in about a week. Mr. Grant retains the presidency of the Canadian British Insulated Company. He is succeeded in the man-

aging-directorship by his brother, A. E. Grant, formerly manager of the Cardiff office of British Insulated and Helsby Cables, Limited.

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### OBITUARY.

DAVID BURNS, lecturer on higher mathematics and structural drawing at the Carnegie Institute of Technology, Pittsburg, died at his home in that city on July 27th. Deceased was born and educated in Toronto, being one of the early graduates of the School of Practical Science, receiving the degrees of civil engineer and Ontario and Dominion land surveyor. He had considerable railway and bridge construction experience, holding positions with the Pennsylvania Railroad, the Keystone Bridge Works and the American Bridge Company. He has been connected with the Carnegie Institute since 1904.

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### COMING MEETINGS.

THE INTERNATIONAL GEOLOGICAL CONGRESS.—The Twelfth Annual Meeting to be held in Canada during July and August. Opening day of the Toronto Session, Thursday, August 7th. Secretary, W. S. Lecky, Victoria Memorial Museum, Ottawa.

ONTARIO MUNICIPAL ASSOCIATION.—Annual Meeting to be held in Toronto, August 28th and 29th. Secretary-treasurer, Mr. K. W. McKay, County Clerk, St. Thomas, Ont.

THE ROYAL ARCHITECTURAL INSTITUTE OF CANADA.—Sixth General Annual Assembly will be held at Calgary, Alberta, September 15th and 16th. President, J. H. G. Russell, Winnipeg, Man.; Hon. Secretary, Alcide Chaussé, 5 Beaver Hall Square, Montreal, Que.

CANADIAN PUBLIC HEALTH ASSOCIATION.—Annual Meeting in Regina, September 16th, 17th and 18th. General Secretary, Major Drum, Ottawa; Local Secretary, Dr. Murray, Regina.

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.

THE INTERNATIONAL ENGINEERING CONGRESS.—Convention will be held in San Francisco in connection with the International Exposition, 1915.

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

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Concrete work in the Panama Canal locks is nearly completed, the aggregate amount in place at the close of work on June 21st, being 4,471,463 cubic yards.