

made to ascertain if the street railway return currents have an electrolytic effect upon the watermains, and also that while the information available points to there being no present danger of this kind, precautionary tests might be made in the near future.

**London, Ont.**—This year's local improvement work has included 28,207 sq. yds. of asphalt pavements costing \$85,114; 8,000 lineal ft. of sewers, costing \$14,410; 46,350 ft. of cement curbs and gutters, \$14,485; 27,940 ft. of cement walks, costing \$15,975; 2,670 sq. yds. of vitrified pavements, costing \$7,008; 5,120 sq. yds. of concrete pavements, costing \$6,975; and 1,576 ft. of gravel roads, costing \$2,694, according to a report dated November 2nd, of Mr. H. A. Brazier, city engineer.

**Fredericton, N.B.**—While announcing that Mr. John F. Feeney, of Fredericton, had been permanently appointed Provincial Road Engineer, Hon. John Morrissy, Minister of Public Works, stated that the government had decided to carry on a vigorous policy for providing improved roads in all parts of New Brunswick. Details will shortly be worked out and public meetings will be held during the winter in the interests of better roads. It is also planned to hold a series of conferences of the officials of the Roads Section of the Department of Public Works, in the various counties.

**Three Rivers, Que.**—The Laurentide Co. have made good progress on the construction of the dam across the St. Maurice at Grand Mere. Over 1,000 men are at work, and it is expected that the dam will be completed before the close of 1916. The St. Maurice will then be navigable from Grand Mere to La Tuque, a distance of about 80 miles. The new dam will be 30 ft. in height and will provide for the development of 100,000 h.p. of electrical power, which will meet all the requirements of the Laurentide Co. and provide a surplus which will be taken by the Shawinigan Water and Power Co.

### PERSONAL.

DUNCAN R. CAMPBELL has been appointed superintendent of the Pacific Division of the Canadian Northern Railway, with headquarters at Vancouver.

B. T. CHAPPELL, formerly superintendent of the Canadian Northern Railway at Saskatoon, has recently been appointed superintendent at Kamloops, B.C.

HUGH WATKINS has been appointed quantity surveyor for the Provincial Government of Manitoba, and has arrived in Winnipeg from London, England, to assume duties of office.

Major R. W. COULTHARD, mining engineer, who has been acting as instructor in the use of explosives at the Sarcee Camp, has been authorized by the Department of Militia to organize a tunnelling company for operations at the front.

Hon. T. H. JOHNSON, Minister of Public Works for Manitoba, called together a delegation of steam engineers of the province last week for a rather unusual purpose. He encouraged them to exchange ideas, suggest improvements and foster methods of economy in the use of fuel.

### WATER POWER IN CANADA.

This was the subject of a recent address delivered by Dean Adams, of the Faculty of Science, McGill University, before the McGill Science Undergraduate Society. The speaker dealt with the general principles of power, and touched on the remarkable future possibilities for Canada in this respect.

### OBITUARY.

The death occurred on November 17th of Hon. George J. Coulter, formerly minister of public works for the province of New Brunswick.

A fatality occurred on the new Welland Ship Canal when Mr. Hudson Payne, foreman for Baldry, Yerburch and Hutchinson, contractors for Section 2, fell from a train of dump cars on the breakwater at Fort Weller. The deceased was 49 years of age.

Reports from the Dardanelles announce the death of Lieut. G. Stafford Boyle, formerly a member of the engineering staff of the Intercolonial Railway. Lieut. Boyle went to England with the first contingent, where he received a commission in the Royal Engineers and proceeded to the Dardanelles. The deceased was a native of Napier, New Zealand.

In one of the casualty lists last week the name appears of Lieut. J. Chester Hughes, killed in action. The deceased, a native of Toronto, and 27 years of age, was a graduate in engineering of the University of Toronto and was a resident engineer on the St. John and Quebec Railway at the time of his enlistment. Previously he was in the employ of the Canadian Pacific Railway as a locating engineer. He went to the front as a member of the Sixth Field Company, Canadian Engineers. He was a nephew of Sir Sam Hughes, minister of militia.

### ENGINEERS' CLUB OF TORONTO.

The Engineers' Club of Toronto is inaugurating a campaign for new members, to fill the vacancies left by those who have gone to the front in the service of the Empire. The Directors have suspended for the remainder of the year the operation of present by-laws relating to entrance fee and new members elected during this period will be required to pay only the net half-yearly dues of \$17.50 for resident membership and \$7.50 for non-resident membership to June 30th, 1916, and they will be entitled to the privileges of the Club from the time they are elected.

In view of the large numbers of technical men associated with engineering in Toronto there are doubtless many who will be interested in this announcement.

### COMING MEETINGS.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—Annual meeting to be held at New York December 7th to 10th. Secretary, Calvin W. Rice, 29 W. 39th Street, New York.

INTERNATIONAL ROAD CONGRESS.—To be held at Worcester, Mass., December 14, 15, 16 and 17, 1915. General Secretary, Herbert N. Davison, Chamber of Commerce, Worcester, Mass.

AMERICAN FORESTRY ASSOCIATION.—Annual meeting to be held at Boston, Mass., January 17th and 18th, 1916. Secretary, P. S. Ridsdale, Washington, D.C.

CANADIAN NATIONAL CLAY PRODUCTS ASSOCIATION.—Fourteenth annual convention to be held at Toronto January 18th to 20th, 1916. Secretary, G. C. Keith, 32 Colborne Street, Toronto.