

Winnipeg, Man.—Concerning the disturbance which has arisen as a result of charges made by Mr. M. T. Cantell against the engineers of the Greater Winnipeg Water District, it is interesting to note that the Manitoba Branch of the Canadian Society of Civil Engineers adopted the following resolution at its recent meeting: "Whereas certain articles have appeared in the Winnipeg public press from time to time criticizing the engineers of the Greater Winnipeg Water District, resolved that it be recorded that the Manitoba Branch of the Canadian Society of Civil Engineers regrets that such criticism has been made, and repudiates any responsibility for the same, and that further, the secretary be instructed to so inform the various newspapers of Winnipeg."

Toronto, Ont.—It was announced by Premier Hearst last week that the provincial government, having before it the general details of the proposed Niagara development of the Hydro-Electric Power Commission, will submit legislation authorizing such development. It is estimated that within the next few years the Commission will require an additional 100,000 h.p. If the expenditure is favorably considered by the government, the Commission will probably proceed with the installation of several large units, probably 50,000 h.p. each, and by the time these are in operation another set of similar capacity will likely be necessary. The engineers of the Commission have in view the ultimate development of 600,000 h.p. at the site proposed. This large development will probably comprise two plants of equal size, each of which will consist of about six units of the extraordinarily large capacity mentioned above.

PERSONAL.

J. H. MEAD has been appointed president of the Spanish River Pulp and Paper Co.

W. G. TRETHERWEY has been appointed resident engineer of West Dome Consolidated.

A. J. CARROLL has been appointed district manager of Eugene F. Phillips Electrical Works, Limited, with office in Montreal.

E. W. DuVAL, until recently superintendent of Saskatoon District, C.P.R., is at present acting general superintendent of Saskatchewan Division.

W. E. CORMAN is at present superintendent for the Excelsior Electric Co., Toronto, on the manufacture of tools and machinery for munitions, having temporarily left the employ of C. H. and P. H. Mitchell.

W. R. SMITH, general manager of the E.D. and B.C. Railway, recently addressed the members of the Board of Trade in Edmonton on "The Development of our Northern Hinterland and What it Means to Edmonton."

Lieut.-Col. WILLIAM H. DAVIS, of the firm of Davis and Lubin, Vancouver, and formerly city engineer of Berlin, Ont., and later of Prince Rupert, B.C., who is in command of the 2nd Pioneer Battalion, which has been in England several months, is seriously ill in the hospital as a result of a fall from his horse. Col. Davis is a member of the Canadian Society of Civil Engineers and a graduate of R.M.C., Kingston.

F. C. GAMBLE, Chief Engineer of Railways for the British Columbia Government, and Past-President of the Canadian Society of Civil Engineers, was entertained by the Edmonton Branch of the Society at a dinner given in his honor in the Macdonald Hotel on the 9th instant. Mr. Gamble has been in the city during the past few days enroute to Victoria, B.C., from Montreal, where

he has been attending the Annual Meeting of the Society. About twenty members of the Society resident in Edmonton were present at the dinner.

OBITUARY.

E. B. JONES, at one time city engineer of Chatham, Ont., and an authority on hydraulic and electrical engineering, died recently at Erie, Pa.

CONCRETE PIPE TUNNEL, N.T.R., QUEBEC.

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In the spring, when the forms were removed, the structure was found to be in first-class condition, and to date no defects whatever have appeared, though the tunnel underwent a rather severe test during the course of the past summer by having work trains run over it at various points.

The concrete specified and made in this work was a 1:2:4 mixture throughout. A small amount of displacers were used, though these were necessarily limited in quantity and of small volume, owing to the small space between the forms. During the construction of that part of the tunnel not reinforced a small amount of salt was also used, though only on exceptionally cold days. The amount of crushed stone, from $\frac{3}{4}$ in. to $1\frac{1}{2}$ in., used was 0.8 cu. yd. for each cu. yd. of finished concrete. The cement amounted to 1.2 bbls. per cu. yd. of finished concrete. Lumber for forms figured to 60 ft. B.M. to the cu. yd. concrete.

The accompanying illustration, from a photo taken by Mr. H. E. Balfour, assistant engineer in charge of construction for the N.T.R., gives a general view of about 550 feet of the trench with the outside form in place. At the extreme lower end the inner form is also in place and ready for pouring the walls. The photograph was taken from the top of a 200-foot chimney.

The contractor for this work was Joseph Gosselin, of Quebec and Levis, General Contractor for the N.T.R. Shops.

COMING MEETINGS.

AMERICAN ROAD BUILDERS' ASSOCIATION.—Thirteenth Annual Convention to be held at Pittsburgh, Pa., February 28th to March 3rd. E. L. Powers secretary, 150 Nassau Street, New York, N.Y.

CANADIAN MINING INSTITUTE.—Eighteenth annual meeting to be held at the Chateau Laurier, Ottawa, March 1, 2 and 3. Secretary, H. Mortimer-Lamb, Ritz-Carlton Hotel, Montreal.

THIRD CANADIAN AND INTERNATIONAL GOOD ROADS CONGRESS AND EXHIBITION to be held at Sohmer Park, Montreal, March 6, 7, 8, 9 and 10, 1916. General Secretary, Geo. A. McNamee, New Birks Building, Montreal.

At the annual meeting of the Kingston Branch of the Canadian Society of Civil Engineers it was decided to discontinue the meetings of the branch for the present, owing to the fact that so many members are on active service. The chairman of the branch, Major Wilgar, is O.C. 8th Field Co., Can. Engineers, and Mayor Gill, the secretary, O.C. the Queen's Battery in England.