

cussed. It might be worth mentioning in this connection that W. A. Slater, who was in charge of the tests for the Bureau of Standards, will address the Toronto branch of the Engineering Institute at 8 p.m., May 13th, when an excellent opportunity for full discussion will be given.

In connection with field work it is essential to have the best of supervision by men who are trained in the subject, and who at the same time appreciate the fact that practical considerations must be taken into account. Such a man must himself be a specialist in this line if the work under his charge is to be of the best. Until we realize that concrete buildings will not stand from force of habit, but that they must be designed and supervised by specialists, we will continue to have concrete failures.

T. D. MYLREA,  
F. G. Engholm & Partners, Ltd.,  
Consulting Engineers.

Toronto, Ont., April 27th, 1920.

### AMERICAN WATER WORKS ASSOCIATION'S PROGRAM FOR MONTREAL MEETING

FOR the first time in 13 years, the American Water Works Association this year will hold its annual convention in Canada. The Windsor Hotel, Montreal, has been selected as headquarters. The convention facilities and arrangements at that hotel are ideal; the association will have the exclusive use of a quiet and roomy convention hall, a large exhibit room and comfortable lobbies. Arrangements have been made with the Customs Department for admitting exhibits from the United States duty free, and for the entrance of automobiles without undue trouble.

Following the past hard winter, opportunity will be afforded the members of the association to become familiar with the design and operation of water works to meet conditions due to prolonged very cold weather, a subject interesting to most members at this time. It will also give the association's United States members an opportunity to study on the spot methods of management due to Canadian conditions, differing from those governing similar administrative work in some parts of the United States, and likely to afford much valuable information to superintendents from the United States who have not previously visited Canadian water works.

Following is the tentative program announced by the executive committee of the association:—

#### Monday, June 21st

Registration, meetings of executive and other committees, and informal "get acquainted" meetings in lobbies and exhibit room.

##### Evening

Informal reception arranged by the local committee and the Water Works Manufacturers' Association at the Windsor Hotel. Dancing.

#### Tuesday, June 22nd

##### Forenoon

Opening of convention in the Convention Hall, at 9 o'clock.

Reading of papers, as follows:—

"The Municipal Water Supply of Montreal," by Thomas W. LeSage.

"The Works of the Montreal Water and Power Co.," by F. H. Pitcher.

"The Experience in Montreal in the Manufacture of Alum," by James O. Meadows.

##### Afternoon

"The Water Works of the City of Quebec," by Arthur Surveyer.

"Water Supply Problems in the Province of Quebec," by T. J. Lafreniere.

"The Water Works of St. John, N.B.," by Frank A. Barbour.

##### Evening

"Water Works Experiences," by Beekman C. Little.

"Economic Features of Pumping Station Operation," by Leonard C. Day.

"Difficulties in Building the Louisville Pumping Station," by James B. Wilson.

#### Wednesday, June 23rd

##### Forenoon

"The New Water Supply of Winnipeg," by James H. Fuertes and William G. Chase.

President's address, by President Carleton E. Davis.

Reports from sections.

Report of the association's representatives on the American Electrolysis Committee.

Report of the Committee on Private Fire Protection Services (Nicholas S. Hill, chairman).

Report of the Committee on Official Standards for Water Analysis (Jack J. Hinman, Jr., chairman).

Report of the Committee on Standard Specifications for Cast-Iron Pipe and Specials (Frank A. Barbour, chairman).

Report of the Committee on Cold Weather Troubles (Charles R. Bettes, chairman).

Reports of officers and standing committees.

Nomination of members of the Nominating Committee.

Selection of place for holding the 1921 convention.

##### Afternoon

Entertainment by the Water Works Manufacturers' Association; probably a trip through the rapids of the St. Lawrence River.

##### Evening

A smoker for the men, given by the Water Works Manufacturers' Association; and for the ladies, a theatre or card party.

#### Thursday, June 24th (Superintendents' Day)

##### Forenoon

Discussion of the selection, installation, reading and maintenance of water meters. The discussion will be opened by several papers on the subject by members of the association.

The chemical and bacteriological section is preparing a program for a separate meeting, at which a paper will be read by Col. George A. Johnson, on the quality of water. Other subjects and papers for this sectional meeting will be announced later.

##### Afternoon

A general discussion of the legitimate uses of water, what they are and how to estimate them. There has been much discussion on water waste and how to prevent it, but up to the present time little on its legitimate use. Some cities have been criticized because of the high per capita consumption without knowledge of the legitimate uses of water in those particular places. The discussion will embrace private sources of industrial supplies; the nature of the demand for water by different industries; and the actual demands for water for domestic consumption by families of different means.

##### Evening

"Damage to Deep Wells by Sea Water," by Dr. William P. Mason.

"Cost-Plus Contracts in Water Works Construction," by George W. Fuller.

"Standard Forms for Contracts," by G. W. Buchholz.

"The Trend of Prices," by Leonard Metcalf.

Arrangements are under consideration for trips about the city of Montreal, to the water works plants and other places of interest. Arrangements are also being considered for a trip by special boat leaving Montreal Friday evening for the Saguenay River.

The above program will be revised and added to, making a convention that no member should miss if it is at all possible to attend. It is estimated that the attendance will be considerably more than one thousand.