

braith; Secretary, Prof. C. H. McLeod. Meetings will be held at Society Rooms each Thursday until May 1st, 1908. Annual meeting at Toronto Jan. 28, 29 and 30, 1909.

**QUEBEC BRANCH OF THE CANADIAN SOCIETY OF CIVIL ENGINEERS.**—Chairman, E. A. Hoare; Secretary, P. E. Parent, P.O. Box 115, Quebec. Meetings held twice a month at Room 40, City Hall.

**TORONTO BRANCH OF THE CANADIAN SOCIETY OF CIVIL ENGINEERS.**—96 King Street West, Toronto. Chairman, C. H. Mitchell; Secretary, T. C. Irving, Jr., Traders Bank Building.

**MANITOBA BRANCH OF THE CANADIAN SOCIETY OF CIVIL ENGINEERS.**—Chairman, H. N. Ruttan; Secretary, E. Brydone Jack. Meets first and third Friday of each month, October to April, in University of Manitoba.

**ENGINEERS' CLUB OF TORONTO.**—96 King Street West. President, J. G. Sing; Secretary, R. B. Wolsey. Meeting every Thursday evening during the fall and winter months.

**CANADIAN ELECTRICAL ASSOCIATION.**—President, N. W. Ryerson, Niagara Falls; Secretary, T. S. Young, Canadian Electrical News, Toronto.

**CANADIAN MINING INSTITUTE.**—413 Dorchester Street West, Montreal. President, W. G. Miller, Toronto; Secretary, H. Mortimer-Lamb, Montreal.

**CANADIAN CEMENT AND CONCRETE ASSOCIATION.**—President, Peter Gillespie, Toronto, Ont.; Vice-President, C. T. Pulfer, London, Ont.; Secretary-Treasurer, Alfred E. Uren, 62 Church Street, Toronto.

**NOVA SCOTIA SOCIETY OF ENGINEERS, HALIFAX.**—President, J. H. Winfield; Secretary, S. Fenn, Bedford Row, Halifax, N.S.

**AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS (TORONTO BRANCH).**—W. H. Eisenbeis, Secretary, 1207 Traders Bank Building.

**AMERICAN SOCIETY OF MECHANICAL ENGINEERS.**—29 West 39th Street, New York. President, H. L. Holman; Secretary, Calvin W. Rice.

## SOCIETY NOTES.

### American Waterworks Association.

The twenty-ninth annual convention of the American Waterworks Association will be held at Milwaukee, Wis., June 8th to 12th, 1909. The headquarters' hotel and other local arrangements will be announced later. A good programme for this convention is already well assured, good papers being already promised. Mr. J. M. Diven, secretary, 14 George Street, Charleston, S.C.

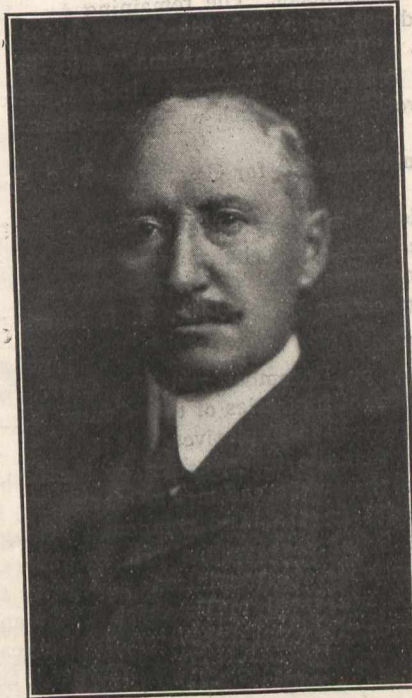
### Manitoba Branch of the Canadian Society of Civil Engineers.

The Manitoba branch of the Canadian Society of Civil Engineers recently held their first annual banquet. About fifty members of the Society were present. The banquet was held in the Royal Alexandra Hotel, and proved a great success. Prior to the banquet the annual meeting of the society and election of officers for the coming year took place. Mr. J. E. Schwitzer, of the Canadian Pacific Railway, presided at the meeting in the absence of the president of the Manitoba branch, Col. H. N. Ruttan. The annual meeting was a formal affair, no questions coming up for discussion, so that the only item of importance was the election of officers, which resulted as follows: Chairman, Col. H. N. Ruttan; Executive Committee, J. E. Schwitzer, J. A. Resketh, C. H. Dancer; auditors, H. A. Bowman, Frank Lake; secretary-treasurer, Prof. E. Brydone Jack.

At the conclusion of the banquet a number of speeches were made by the various members of the society, all of which would indicate that the Manitoba branch of Canadian Society of Civil Engineers is entering upon a successful year with greater enthusiasm than has been heretofore shown.

The toast list was as follows: "The King," "Canada," A. L. Ford; "Manitoba," C. H. Dancer; "Winnipeg," Capt. S. Frank Peters; "Sister Societies," S. Hooper and Percy Over, for the architects, George McPhillips and C. C.

Chataway for the M.L.S.; "The University," Prof. R. R. Cochrane; "The Railways," M. H. McLeod, J. E. Schwitzer, S. R. Poulin and L. B. Merriman; "Power Construction Department," W. G. Chace. Among those at the banquet were: S. Hooper, president of the Architects' Association; Percy Over, secretary; Geo. McPhillips, president of the Manitoba Land Surveyors, C. C. Chataway, secretary; Prof. R. R. Cochrane, of the university; E. V. Johnson, Dominion



Colonel H. N. Ruttan, Chairman Manitoba Branch Canadian Society of Civil Engineers.

Inspector of Railways; S. Frank Peters, Prof. E. E. Brydone Jack, Charles H. Dancer, J. A. Hesketh, Frank Lee, W. L. Mackenzie, L. B. Merriman, S. R. Poulin, J. E. Schwitzer, John Woodman, M. P. Blair, H. A. Bowman, W. G. Chace, C. W. Chivers, F. Crossley, H. A. Dixon, J. A. Douglas, W. A. Duff, E. P. Featherstonhaugh, E. H. Harrison, J. C. Holden, T. C. MacNabb, A. McGillivray, C. A. Millican, H. Patterson, P. C. B. Schioler, H. H. Boyd.

### American Society of Civil Engineers.

The next monthly meeting of the American Society of Mechanical Engineers will be held in the Engineering Societies Building on Tuesday evening, January 12th. The paper will be by Carl G. Barth, of Philadelphia, upon "The Transmission of Power by Leather Belting," illustrated by lantern slides. It will be a comprehensive summing up of the theory and practice of belting, in which conclusions are drawn from the work of Lewis, Bancroft, Bird and others, who have made experiments upon the transmission of power by belting. Valuable charts have been prepared by the author for the solution of belting problems.

Mr. Barth's long experience in the scientific running of machine tools, in connection with the introduction of improved shop methods, has shown the need of definite data for the application of belting to machinery, and led to the development of the results contained in his paper. His data have been applied to belting in different plants for many years, giving an unusual opportunity to study the problem in great detail.

### Engineers' Club, Toronto.

On December the 17th the Engineers' Club, Toronto, held their annual banquet. The attendance was large, and a very pleasant time was spent. The chair was occupied by Mr. J. G. Sing, president of the club, and the vice-chair by Mr. A. B. Barry, the president-elect for 1909.

The toast of "Our Country" was replied to by Prof. J. Mackenzie and Dean Galbraith. Mr. C. M. Canniff at this stage read a very amusing and clever paper on "India Ink."

Mr. Isham Randolph, of Chicago, was the guest of the club, and in an interesting address described some of the