

by A. R. Decary; "The Flooding of the Chaudiere River on the 31st July, 1917," by A. E. Evans.

The financial standing of the branch is satisfactory owing to strict economy practised and largely due to the kindness of the mayor of Quebec in placing a convenient room in the city hall at the exclusive disposal of the branch members.

The membership of the branch totals 108.

TORONTO

THE Toronto Branch, notwithstanding the fact that 33 $\frac{1}{3}$ per cent. of the membership are on active service, had a successful year. The executive committee held 20 meetings. In addition to this, 8 open meetings were held at which the following papers were presented:—

"Labrador Revisited," Prof. A. P. Coleman; "The Work of the Canadian Engineer at the Front," Capt. Mathieson; "Venezuela and the Islands of the Caribbean Sea," H. K. Wicksteed; motion pictures, the water-powers of Canada.

The membership of the branch totals 316.

During the year a committee was elected to draft by-laws for the branch and study means for increasing the prestige and influence of the branch. By-laws have been adopted in consequence of this committee's work.

A committee on roads and pavements has presented a report on their activities.

The report of the library committee made special mention of gifts from Sir John Kennedy and the Ottawa Branch, which were much appreciated.

At the annual meeting held January 15th, the following officers were elected:—

Chairman, Prof. Peter Gillespie; secretary-treasurer, Geo. Hogarth; executive committee, J. R. W. Ambrose, Willis Chipman, E. L. Cousins, Prof. Haultain, E. G. Hewson and R. O. Wynne-Roberts. The retiring chairman, E. W. Oliver, also acts as a member of the executive.

MANITOBA

ELEVEN regular meetings of the branch were held, at which the following papers were read and discussed: January 4, "Scientific and Industrial Research," E. Brydone-Jack; February 2, "A View of Necessary Action for After-the-War Conditions," T. R. Deacon; March 1, "Methods Adopted in the Construction and Ventilation of Connaught Tunnel," J. G. Sullivan; April 5, "Contracts 32, 33 and 34 of the Winnipeg Aqueduct," Wm. Smaill; May 3, "Subsurface Formation of the Winnipeg District and Types of Suitable and Unsuitable Foundations for Its Heavy Buildings," J. G. Rankin; October 4, "Drainage in the Red River Valley in Manitoba," G. B. McColl; October 18, "A Civic Duty for Engineers," F. A. Cambridge; November 1, "The Fixation of Atmospheric Nitrogen," V. J. Melsted; November 19, "Some Elements of Economy in Air Compressors," Wm. Carter; December 6, "Munitions," J. Chalmers; December 18, "Lignite Coal as Applied to Modern Steam Plants," T. L. Roberts. The average attendance at these meetings was 27.

Meetings were also held by the Electrical Section during the first part of the year (1917) as follows: January 10, "Train Lighting System," A. C. Turtle; February 14, "Progress in the Electrification of Steam Railways," W. A. Duff; March 21, "The Mercury Arc at Constant

Pressure," J. W. Dorsey; April 11, "Electric Furnaces," A. M. Tirbutt; May 9, "Automatic Printing Telegraph," H. McConkey.

At the beginning of the season 1917-18 it was decided to discontinue the activities of the Electrical Section for the present and to hold two meetings of the branch each month, the second monthly meeting to be held on the third Monday of the month.

In addition to the regular meetings, members of the branch were the guests of the Greater Winnipeg Water District on July 21st in an excursion over the work on the aqueduct.

On September 13th a motion picture exhibit of water powers throughout Canada, prepared by the Dominion Water Power Branch of the Department of the Interior and loaned to the society, was held under the auspices of the Manitoba Branch in Kelvin Technical School.

On September 20th, members were the guests of the Canada Lock Joint Pipe Co. in an inspection of the work being done by that company, at Transcona, for the Greater Winnipeg Water District. Luncheon was provided by the company at Transcona and a special train was furnished by the Water District for the trip.

The branch had the pleasure, on August 15th and 16th, of entertaining our new secretary on his first official visit to the branches. Mr. Keith met many members at luncheon on the 15th and later visited points of engineering interest in the city and vicinity.

This first visit of the secretary was much appreciated and a unanimous resolution was forwarded to the council recommending that the visit of the secretary to the branches be made an annual event.

Four applications for admission as local associates were favorably passed by the executive. The membership of the branch now includes 37 members, 85 associate members, 26 juniors, 22 students, and 43 local associates, total 202.

Fifty-nine members of the branch have enlisted for active military service. Four have been killed in action or died of wounds.

The death, on February 6th, of W. L. MacKenzie, chairman-elect and one of the oldest and most valued members, was a great loss to the branch.

W. A. Duff was elected chairman to fill the vacancy caused by the death of W. L. MacKenzie.

The annual meeting of the branch was held December 6th, 1917, and the following officers were elected for the season 1918-19: Chairman, W. A. Duff; secretary-treasurer, G. L. Guy; executive committee, W. P. Brerton, J. C. Holden, W. M. Scott; auditors, B. S. McKenzie, T. L. Roberts.

The treasurer's report presented at the annual meeting of the branch showed a credit balance of \$742.94.

SASKATCHEWAN

THIS is the first annual report of the Saskatchewan Branch, Canadian Society of Civil Engineers, a continuation of the Regina Branch which was founded in January, 1915, and which concluded its first year with 25 members. Our last annual report (as Regina Branch) dated January 19th, 1917, shows a membership of 30, of which 11 were on active service, while we are able at present to report a membership of 75 (with 14 overseas members).

It is very gratifying to state that of this increase in membership fifteen are new members of our society, while