

(The report of the Ottawa Branch was read by Mr. White.)

A MEMBER: May I ask if it is the intention that the papers from the Branches be inserted in the general *Transactions* of this Society?

THE SECRETARY: I understand that the arrangement arrived at the meeting in Winnipeg was a recommendation being made by the Branches in regard to papers they wished to appear in the *Transactions*, and these recommendations will be submitted to the Committee on Papers and action taken accordingly.

THE PRESIDENT: Will somebody move the adoption of the Ottawa Branch?

MR. A. S. CHAPLEAU: I move the adoption of this report.

MR. STUART: I second the motion.

Carried.

The Report of the Toronto Branch was read by Professor Haultain.

THE PRESIDENT: Is it your pleasure, gentlemen, that this report be received?

MR. VAUGHAN: I move that we receive the report, and that the recommendations contained therein be referred to the incoming Council.

PROFESSOR HAULTAIN: I second the motion.

Carried.

(The Secretary here read the report for the Manitoba Branch.)

MR. LEGRAND: I wish to make the same motion as made by Mr. Vaughan that this report and its recommendations be received and referred to the incoming Council.

Carried.

(The Secretary here read the report of the Kingston Branch.)

Mr. LINDSAY: I move that this report be received.

Carried.

The report of the Quebec Branch was read by Mr. Baillairge.

MR. BAILLAIRGE: I move the reception of this report.

Seconded by Mr. Parent and carried.

THE PRESIDENT: The Council reports the award of the Gzowski medal to Mr. W. G. Chace, Associate Member of the Canadian Society of Civil Engineers, for his paper on "Municipal Hydro-Electric Works for the City of Winnipeg," on the report of the committee. (Applause.)

The meeting adjourned at 1 p.m.

AFTERNOON SESSION.

January 24th, 1912.

The meeting was called to order, the President in the Chair.

THE PRESIDENT: If you will come to order, gentlemen, we will take up the report of the various committees.

The first is the report of the Committee on Roadbed and Ballasting. Mr. Sullivan is the Chairman of that committee. I do not think he is here at present. Are there any other members of the committee present who can take up this report. If not we will pass on to the next report—Railroad Ties.

MR. MOUNTAIN: I might say that Mr. Macpherson is on his way down this afternoon, but we might leave this over until Friday morning.

THE PRESIDENT: Very well, we will take up the next report, which is the report of the Committee on Conservation. Mr. White is the Chairman of this committee, and he will present the report.

(Here insert the report of the Committee on Conservation.)

DR. GALBRAITH: I would suggest, Mr. President, that these different reports be taken as read, and that we immediately proceed with the general discussion of the different reports.

THE PRESIDENT: Is that your pleasure, gentlemen?

Carried.

REPORT OF THE COMMITTEE ON CONSERVATION.

As the undersigned was only appointed Chairman of this Committee in November last, it was not possible in the few weeks intervening between the appointment and the submission of this report to Council, to initiate any Conservation work. In default of a report on work done by the Committee, a statement of Conservation work now being carried on by the Commission of Conservation is appended. This, it is believed, will be of interest to the members of the Society, and will also, to a certain extent, indicate the lines along which it is desirable that engineers should co-operate with the Commission of Conservation.

The Commission of Conservation has been organized into seven committees and the work it has done can best be outlined under the heads of these committees. The committees deal with Waters and Water-Powers, Minerals, Forests, Fisheries and Game, Lands, Public Health, and Press and Co-operating Organizations.

The recently issued report on the water powers of Canada is evidence of the wide range of the activities of the Committee on Waters and Water Powers. It includes the results of all previous investigations on this subject in addition to the data obtained by the engineers of the Commission during the past two years. The laws governing the disposal of water powers are summarized, descriptions of many of the larger developments are given, and physical data given for every power in Canada upon which information was available. The report is illustrated and is accompanied by a series of reference maps in which all the powers mentioned in the statistical tables are indicated by reference numbers.

In 1910, circulars requesting information respecting water powers were sent to each member of the Society, and much information was thus obtained. Copies of the report have been sent to each member and associate member resident in Canada, and, later, will be sent to the junior members and students. All recipients of the report are earnestly requested to send addressed "Secretary, Commission of Conservation, Ottawa," any additional information that they have or may procure, particularly as regards the flow of streams, height of fall, etc.

In preparing this report, the data on the powers of Western Canada were found to be so meagre that the Committee decided to make a special survey of the water powers of those provinces. The engineers of the Commission have been working on this during the past summer and it is hoped that the work will be sufficiently advanced to allow of a report on it being published next year.

The results of the work done by the Committee on Minerals are also embodied in a report published in 1911. It contains a summary of the mining laws of the Dominion and of the various provinces. An exhaustive article on the mineral resources of Canada describes the extent and nature of the most important mineral deposits and suggests measures for lessening the wastes now incident to their exploitation. Another article treats of the subjects of mine accidents in Canada and foreign countries.

During the past summer the mining engineer of the Commission visited the producing coal mines of the Western Provinces and a report on the conditions obtaining in these will be issued shortly.

The Committee having charge of the Forestry work of the Commission has concentrated its attention on the prevention of forest