

ing 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.

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. G. Chace, Secretary, Confederation Life Building, Toronto.

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

CANADIAN ELECTRICAL ASSOCIATION.

The Eighteenth Annual Convention of the Canadian Electrical Association was held in the Chemistry and Mining Building of Toronto University on June 17th, 18th and 19th.

Delegates from all parts of Canada were present and papers of interest to electrical engineers read and discussed. In connection with the Convention there was an exhibition of new and unusual electrical equipment and fixtures.

The Secretary-Treasurer, Mr. T. S. Young, in his annual report referred to matters of legislation. A deputation had waited on the Dominion Government on February 12th, 1908,



Mr. W. N. Ryerson.

and in consequence the registration fee for inspecting gas and electric meters had been abolished, effecting a saving of \$6,000 to the lighting companies.

It was also pointed out in his report that no carbons had been manufactured in Canada for a number of years, and suggested that the Association make an effort to have the present duty of 35 per cent. either abolished or greatly reduced.

The imports of carbons into Canada being about \$40,000, this claims, constitutes an unnecessary and unjust tax of \$14,000 on the lighting companies.

The officers for the ensuing year are: President, W. N. Ryerson, general superintendent Ontario Power Company, Niagara Falls, Ont.; First Vice-President, R. M. Wilson, Montreal; Second Vice-President, P. S. Coate, Chatham; Secretary-Treasurer, Mr. T. S. Young, Toronto. Managing Committee—Messrs. R. G. Black, Toronto; A. A. Dion, Ottawa; B. F. Reesor, Lindsay; Charles B. Hunt, London; J. J. Wright, Toronto; W. Williams, Sarnia; H. O. Fisk, Peter-

boro'; J. W. Purcell, Walkerville; W. A. Pearson, Niagara Falls; R. S. Kelsch, Montreal.

Mr. W. N. Ryerson, the president-elect, is a native of New York City, being born there in 1874. He received his education as an engineer in the School of Mines of the Columbia University, graduating with the degree of Electrical Engineer in 1896. Mr. Ryerson was connected for short periods with the Sprague Electric Elevator Company; the Western Electric Company; and was then appointed assistant to the chief engineer of the Waldorf-Astoria Hotel, during the erection of the isolated plant. He was then for three years employed by the Metropolitan Street Railway Company, New York, in the construction and operating department and left that company to accept the position of chief operator to the Manhattan Railway Company, New York City, and was for three years superintendent of the sub-stations for this company and later for the Interborough Rapid Transit Company, having the entire supervision of all of the designing, the construction and operating of the 16 sub-stations throughout New York City for the operation of both the Manhattan elevated system and the New York subway. Since April 1st, 1905, he has held the position of superintendent of the Ontario Power Company of Niagara Falls, in charge of construction, operating and local business management. Mr. Ryerson is an Associate Member of the American Institute of Electrical Engineers; a Member of the American Society of Mechanical Engineers, and a Member of the Canadian Society of Civil Engineers.

One of the most interesting demonstrations was that in charge of Mr. Saul Dushman, of Toronto University. This exhibit consisted of an electric furnace in full operation. Several times during the Convention the furnace was tapped and a small pig of iron secured.

Although great interest has been aroused in hydro-electric matters there has been practically no data, hitherto, as to the most economical design and construction of such plants. Water-wheel builders have described their water-wheels and electrical manufacturers their electrical apparatus, but of the conditions necessary for their successful operation as one unit little or no information has been available. Allis-Chalmers-Bullock, Limited, however, are now in a position to supply this want. They are the only company in Canada who build both turbines and electrical machinery and distributed among the members of the Canadian Electrical Association a bulletin illustrating, among their plants either in operation or under construction those of the New Liskeard Light, Heat and Power Company, at Chester Falls, Ont.; the Mond Nickel Company at Wabageschik Chute, Vermillion River, Ont.; the Montreal Light, Heat and Power Company at Soulanges, Que.; and the Quebec Railway Light and Power Company on the Montmorency River, Que.

Mr. J. F. B. Vandeleur, of Dineen Building, Toronto, had an extensive exhibit of English-made meggers, volt and ammeters, switch-gear and motor starting panels, insulated wires and cables, air compressors, etc. Mr. Vandeleur has just returned from Great Britain, where he has made arrangements for handling the Canadian business of several large British firms.

Another agency that had a large exhibit was the Joyner-Greene Company, of the Stair Building, Toronto, who had an exhibit of transformers, sign fashers, controllers, time switches, etc.

The Canadian General Electric Company had an extensive exhibit, demonstrating the different heating and lighting devices that use electricity. One purpose of this exhibit appeared to be to illustrate how the sale of electric energy might be developed at those hours when the general load was least.

The Canadian Westinghouse Company had an interesting exhibit of motors and metallic flame and A.C. arc lamps.

SOCIETY NOTES.

Society of Chemical Industry, London, Eng.

At the last meeting of the Society Mr. O. Guttman read two papers, the first being on some modern chemical plant in which he discussed certain recent developments in the