

American Institute of Electrical Engineers

NORTH EASTERN DISTRICT MEETING

AND

Student Branch Convention

BUFFALO, N.Y.



MAY 5-7, 1937



LACKAWANNA PLANT of the BETHLEHEM STEEL CO.—The finishing train of six rolling mills and a scale breaker in action with strip simultaneously engaged in all six

Featuring

Power Transmission

Central Stations Operation

Applications to Steel Production

Talks of General Interest *and* Entertainment

North Eastern District Meeting

Buffalo, N.Y., May 5-7, 1937

Buffalo, N. Y., will be host this year to the annual Meeting of the North Eastern District of the A.I.E.E. from Wednesday to Friday, May 5-7. The city which is a center of commerce and industry, yet not without beautiful parks and suburban areas, provides an ideal setting. The meeting headquarters will be in the Hotel Statler.

The program includes four technical sessions, unusually interesting inspection trips, entertainment in the evenings, and specially arranged entertainment for the visiting ladies. Central station operation and electrical applications to the steel industry are featured and some of the technical presentations are supplemented by inspection trips.

INSPECTION TRIPS

Buffalo and its environs have over 500 diversified industries. Obviously during the short time available it would not be possible to visit all of them, so the committee has selected the following feature trips and optional trips. The number which can be accommodated is limited and there will be a nominal charge for busses to and from the hotel.

FEATURE TRIPS

Thursday, May 6, 3:00 p.m.

1. Bethlehem Steel Company's New \$22,000,000 Hot and Cold Strip Mill.

(Everyone must arrive by bus with the party—ladies excluded. Private cars will not be admitted and the carrying of cameras or taking pictures is prohibited.)

Friday, May 7, 2:00 p.m.

2. Huntley Stations No. 1 and No. 2 of the Buffalo General Electric Co.

OPTIONAL TRIPS

- A. Niagara Falls Power Company
 1. Adams & Schoelkopf Stations
 2. Harper & Gibson Substations
- B. Distribution System of Buffalo General Electric Co. Network and Automatics
- C. Local Plants of New York Telephone Company
- D. Variable Ratio Frequency Changer at Lockport, N. Y.
- E. Spaulding Fibre Plant—Military Road
- F. Remington Rand Plants
- G. Albright Art Gallery
- H. Ford Motor Company's Plant
- I. Modern Broadcasting
- J. Museum of Science

Places Near Buffalo

Lapp Insulator Company's Plant at LeRoy, N. Y.—50 miles
Porcelain Insulator's Plant at Lima, N. Y.—65 miles
Corning Glass Company's plant at Corning, N. Y.—125 miles

ENTERTAINMENT

On Wednesday evening a talk and demonstration on "Fibrous Glass" will be given by L. W. W. Morrow, General Manager, Fibre Products Division, Corning Glass Works. Fibrous glass consists of glass fibres about 0.0004 inches in diameter and from 1.5 to 20 inches long. It is a product of recent research and is being used in textiles, tapes, pipe covering, house insulation and other applications fitted to an inorganic product that will withstand high temperature, moisture and most acids.

On Thursday evening there will be an informal dinner at the hotel after which another very interesting talk and demonstration "Kodachrome Colored Film" will be given by L. D. Mannes, Eastman Kodak Co., co-inventor.

There will be dancing in the hotel in the evenings. If there are any who wish to play golf, weather permitting, the committee will be glad to furnish cards for any course in western New York State.

LADIES' PROGRAM

In addition to the regular features of the program the following has been specially arranged for the ladies.

Wednesday, May 5

A trip to Niagara Falls. Leaving at 11:00 a.m. the party will cross the Peace Bridge and drive down the beautiful Canadian Boulevard. After luncheon, there will be an inspection trip to the Falls and the Niagara Rapids, followed by dinner in the modern General Brock Hotel, from the roof garden of which can be seen another interesting view of the Cataract. At 8:00 p.m. the illumination takes place and to see the falls in play of clear and colored lights is a sight never to be forgotten.

Thursday, May 6

Luncheon at the Hotel Statler followed by a Fashion Show presented by one of Buffalo's smartest shops.



Electric Building at Buffalo

PROGRAM

North Eastern District Meeting, Buffalo, N.Y., May 5-7, 1937

Daylight Saving Time

WEDNESDAY, MAY 5

9:00 a.m.—Registration

10:00 a.m.—Opening Session

C. T. SINCLAIR, Chairman

Address of Welcome, A. C. Stevens, Vice-President, North Eastern District, A.I.E.E.

Lightning Currents in 132-Kv Lines, Philip Sporn and I. W. Gross, American Gas & Electric Co.

Feb., p. 245

Probable Outages of Shielded Transmission Lines, S. K. Waldorf, Pennsylvania Water & Power Co.

May issue

Special Uses for the Automatic Oscillograph, G. A. Powell and R. E. Walsh, New York Power and Light Corp. April, p. 438

2:00 p.m.—General Session

ROBERT TREAT, Chairman

The Operating Performance of Various Relay Applications, George Steeb and L. J. Audlin, Buffalo, Niagara, and Eastern Power Corp.

The Operating Performance of Huntley Steam Station, J. M. Geiger (Electrical) and Donald Scranton (Mechanical) Buffalo General Electric Co.

Research and Testing in a Large Electric Utility.

A. by W. F. Davidson, Brooklyn Edison Co.

B. by W. P. Dobson, Hydro Electric Power Commission of Ontario.

8:00 p.m.—"Fibrous Glass"

Talk and Demonstration

by L. W. W. MORROW, Corning Glass Works

THURSDAY, MAY 6

9:30 a.m.—General Session

R. W. GRAHAM, Chairman

"Greetings," A. M. MacCutcheon, President, A.I.E.E.

Experimental Study of Dancing Cables, D. C. Stewart, Buffalo, Niagara and Eastern Power Corp. (Illustrated by motion pictures of dancing on an experimental installation when the cable was coated with wax to simulate an ice formation)

Surveying Telephone Service Requirements for Large Users, R. E. Corey, New York Telephone Co.

Design Trends in Steel Mill Electrification, L. A. Umansky, General Electric Co.

2:00 p.m.

Electrical Applications—Bethlehem 72 Inch Strip Mill, F. D. Egan, Bethlehem Steel Co.

3:00 p.m.—Inspection trip

To the Bethlehem Steel Company's 72 Inch Strip Mill (See Inspection Trips for details)

7:00 p.m.—Informal Dinner

8:30 p.m.—Kodachrome Colored Film

Talk and Demonstration

by L. D. MANNES, Co-inventor, Eastman Kodak Co.

FRIDAY, MAY 7

9:30 a.m.—Student Technical Session

The Design, Construction and Testing of a Miniature Cathode Ray Oscilloscope, N. I. Korman, Worcester Polytechnic Institute.

A Transmission Line Slide Rule, R. R. Gay and P. H. Hunter, Cornell University.

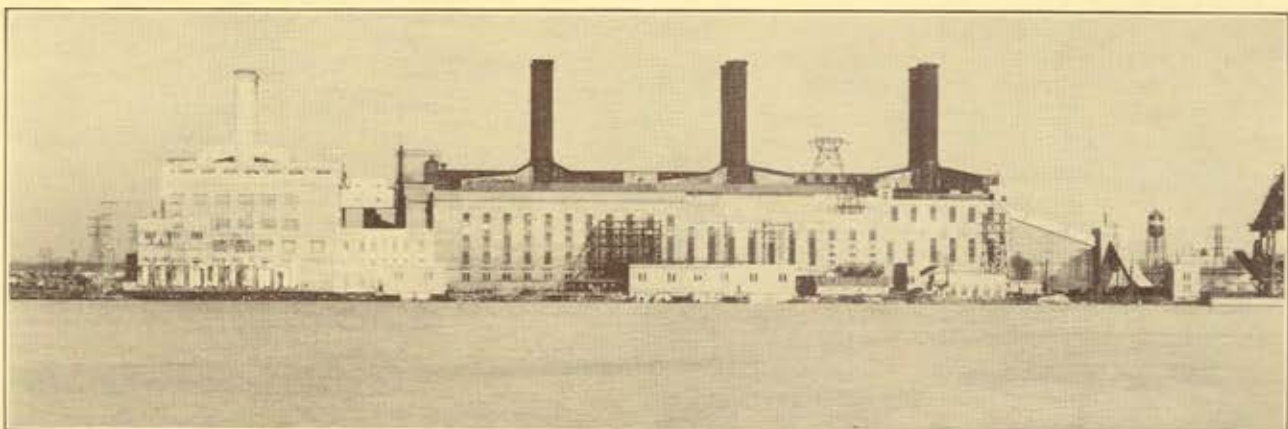
Design of Remote Broadcasting Equipment, J. D. McLean, Massachusetts Institute of Technology.

Television, D. O. Wood, Massachusetts Institute of Technology.

A High Voltage Electrostatic Voltmeter, E. M. Williams, Yale University.

2:00 p.m.—Inspection Trip

To Huntley Stations No. 1 and No. 2 of the Buffalo General Electric Co. (See Inspection Trips for details)



Huntley Stations No. 1 and No. 2 of the Buffalo General Electric Co.

HOTELS

Members should make room reservations by writing directly to the hotel of their preference. For convenience a room reservation card for the Hotel Statler, the meeting headquarters, is enclosed.

Hotel & Location	Room Capacity	Hotel Rates				
		Single Without Bath	Single With Bath	Double Without Bath	Double With Bath	Twin
Arlington 136 Exchange	150	\$1.50	\$2.00 up	\$2.50 up	\$3.50 up	\$4.00 up
Buffalo Swan & Washington	450	-----	2.00 up	-----	4.00 up	4.50 up
Fairfax 715 Delaware	400	-----	2.50 up	-----	4.50 up	5.50 up
Fillmore 207 Delaware	60	-----	1.75 up	-----	3.00 up	3.50 up
Ford Delaware & Cary	750	1.50 up	1.50 up	2.50 up	3.00 to 4.00	3.25 to 4.00
Graystone Johnson Park	150	1.50 up	2.00 up	2.50 up	3.00 up	3.00 up
Lafayette Lafayette Sq.	420	-----	2.50 up	-----	4.50 up	4.50 up
Lenox 140 North St.	200	-----	2.00 up	-----	3.50 up	4.00 up
Men's Genesee & Pearl	283	.75 1.00 & 1.25	-----	1.50 & 2.00	(Master Bathroom on each floor)	
Statler Niagara Sq.	1100	-----	3.00 up	-----	5.00 up	6.00 up
Stuyvesant 245 Elmwood	450	-----	2.00 up	-----	3.00 up	4.00 up
Touraine Delaware	300	1.75	2.00 up	3.00 up sharing bath	3.50 up	4.50 up
Westbrook	312	-----	2.50 up	-----	4.00 up	6.00 up twin 3 rm. suite

REGISTRATION

Everyone planning to attend the meeting should register in advance. Please fill in and mail promptly the enclosed **Advance Registration Card**. Complete your registration at headquarters in the Hotel Statler after 9:00 a.m., Wednesday, May 5.

A registration fee of \$2.00 will be charged all non-members, except Enrolled Students and the immediate families of members.

COMMITTEES

District Meeting Committee

- A. C. STEVENS (Vice-President, North Eastern District),
Chairman
- R. G. LORRAINE (Secretary-Treasurer, North Eastern District), Secretary
- F. N. TOMPKINS (Chairman, Committee on Student Activities, North Eastern District)
- N. E. Brown R. F. Chamberlain C. L. Dawes
- E. D. Lynch K. B. McEachron J. L. Scanlon

General Committee

- E. S. BUNDY, Chairman
- T. J. Brosnan R. T. Henry Cromwell McIntosh
- H. M. Sharp

Program Committee

- R. W. GRAHAM, Chairman
- J. F. Oehler T. O. Zittel

Registration Committee

- G. M. POLLARD, Chairman
- J. N. Ewart J. M. Pfohl

Ladies Committee

- MISS LAURA RISCHMAN, Chairman
- Miss Nora Haun Miss Muryle Baker Miss Maryon Ingham

Dinner Committee

- D. C. WEST, Chairman
- E. A. Brown H. L. Randall T. J. Woth

Inspection Committee

- GEORGE EIGHMY, Chairman
- C. H. Lockwood H. L. Townend

Publicity Committee

- N. A. BROWN, Chairman
- A. D. Gibson W. J. Thompson

Transportation Committee

- CLAIR GAYLORD, Chairman
- E. J. Rahill W. J. Schnautz

Printing Committee

- MELVIN BROWN, Chairman
- F. L. West G. A. Zehr