NORTH EASTERN DISTRICT MEETING
AND
STUDENT BRANCH CONFERENCE

Featuring: “Applications Engineering”


April 23-25, 1947

The Central Dispatching Board of the New England Power System, which may be visited Friday afternoon

SALIENT FEATURES

TECHNICAL SESSIONS—Eight technical sessions plus a student session well filled with papers will serve to build up the general theme of the meeting. Worcester, with its exceptional diversity in industry, seems an excellent setting for papers around the theme of “applications engineering.”

INSPECTION TRIPS—Friday afternoon will be devoted to inspection trips to local industries and power systems.

Among the places to be visited are Cable Works of the American Steel and Wire Company, the central dispatcher’s office of the New England Power Company, the Norton Company, the Heald Machine Company, the Wyman-Gordon Products Corporation, the Transmitter for Radio Station WTAG and WTAGFM, and Worcester Polytechnic Institute.

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ADVANCE COPY OF PAPERS

Members may obtain preprints of technical papers by mail or remitting price indicated to the AIEE Order Department, 33 West 39th Street, New York 18, N. Y.; if purchased at AIEE Headquarters or at the meeting 5c less per copy. For convenience an order form is enclosed. Only numbered papers will be available in advance copy form. Mail orders (preferably) from out-of-town members are advisable, inasmuch as an adequate supply of each paper at the meeting cannot be assured. Most of the papers ultimately will be published as AIEE PROCEEDINGS and in the TRANSACTIONS.

Nonmember prices by mail 100% more than listed less 5c on each paper.

Please order by number and enclose remittance.

Wednesday, April 23
8:30 a.m. — Registration

9:30 a.m.—Measurements and Electronics
Baroque Room
S. T. Gries, Presiding


DP.* A Photoelectric Color Temperature and Exposure Meter, Thomas M. McCaw, Worcester Polytechnic Inst.

DP.* A New Type of Electronic Frequency Meter, H. J. Reich and R. L. Lungwitz, Yale Univ.


9:30 a.m.—Transformers and Capacitor Applications
Crystal Room
G. V. Montgomery, Presiding


10:00 a.m.—Board of Directors Meeting

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2:00 p.m.—Servomechanisms (Closed-Cycle Controls)
Ball Room
G. S. Brown, Presiding


47-110. Solution of the General Voltage Regulator Problem by Electrical Analog, E. L. Harder, West- inghouse Elec. Corp. 35 cents by mail.

2:00 p.m.—Cables and Transmission
Baroque Room
R. M. Prince, Presiding

DP.* Insulation Resistance Measurements with Particular Reference to Charging Current Errors. E. W. Greenfield, Ainsworth Wire and Cable Co.


DP.* Shielding in Electric Cable Insulation. V. Siegfried, American Steel and Wire Co.


2:00 p.m.—Transportation
Crystal Room
H. F. Brown, Presiding

DP.* Recent Developments in Diesel Electric Locomotives. E. K. Bloss, Boston and Maine Railroad.


3:30 p.m.—Ladies' Program—Sightseeing trip to historic Wayside Inn with entertainment and dinner at the Inn.

6:30 p.m.—Social Hour

7:00 p.m.—Smoker

Radio Station WTAG, which may be visited on Friday afternoon.

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Discussion of Organization of the Engineering Profession, J. F. Fairman, Director, AIEE, and Chairman, Committee on Planning and Coordination.


12:00 m. District Executive Committee Luncheon and Meeting

Merrimac

2:00 p.m.—Industrial Applications
Baroque Room
V. F. Sepich, Presiding


DP.* Oxide Rectifiers as Power Supply for DC Motors. L. F. Reed, Westinghouse Elec. Corp.

DP.* DC Braking for AC Induction Motors. F. D. Snyder, Westinghouse Elec. Corp.

2:00 p.m.—Communications
Crystal Room
C. R. Town, Presiding

Thursday, April 24
9:30 a.m.—General Session

Baroque Room
E. W. Davis, Presiding

Address of Welcome, Vice-President E. W. Davis. Remarks on Institute Affairs, President J. Elmer Houley.

47-109. An Improved Cable Carrier System, H. S. Black, F. A. Brooks, A. J. Weir and I. G. Wilson, Bell Tel Labs., Inc. 25 cents by mail.


2:30 p.m.—Ladies' Program—Sightseeing tour to Worcester Art Museum or Higgins Armory Museum, followed by entertainment and tea.

6:30 p.m.—Social Hour

7:00 p.m.—Banquet (Dress Informal)

Address—Tickets $3.00.

Friday, April 25
9:30 a.m.—Applications to Machine Tools
Baroque Room
D. H. Prizuk, Presiding


47-106. Adjustable Frequency Control of High-Speed In- duction Motors. G. W. Neumann, General Elec. Co. 25 cents by mail.


DP.* Electronic Motor Control for Milling Machines. Mark Morgan, Red-Prentice Corp.

9:30 a.m.—Student Branch Conference

Ballroom and Crystal Room
E. R. McKeever, Chairman, District Committee on Student Activities.

A New Type of Phase Sequence Indicator. Harold Hall and James Felner, Univ. of Conn.


Electronic Fractional Horsepower Torque Measuring Indicator. R. O. Williams, Northeastern Univ.

A Compact 45 Kilovolt Surge Generator. Martin J. Reilly, Graduate Student, Worcester Polytechnic Inst.


An Electric Kneeholder for Internal Combustion Engines. Richard W. Husker, Yale Univ.


DP.* District paper—no advance copies are available not intended for publication in "Transactions."
(Continued from page 3)

12:00 m.—Student Branch Chairmen’s and Counselors’ Luncheon
(Mezzanine)

1:30 p.m.—Inspection Trips
The American Steel and Wire Company.
Sub-station and Central Dispatcher’s office of the New England Power Company at Millbury.
The Norton Company.
The Heald Machine Company.
The Transmitter for Radio Station WTAG and WTAGFM at Holden, Mass.
The Worcester Polytechnic Institute.
Other trips by special arrangement.

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LADIES’ PROGRAM—Outstanding features of the ladies’ program will include a trip on Wednesday afternoon to Longfellow’s Wayside Inn in Sudbury followed by entertainment and dinner at the Inn. On the Thursday program are trips to the noted John W. Higgins Museum of Armor and to Worcester’s Fine Art Museum, followed by entertainment and tea.

ENTERTAINMENT—On Wednesday evening a social hour and smoker will be held in the main ball room. Lively entertainment has been arranged. On Thursday evening, an informal banquet in the main ball room will feature a speaker of prominence.

HOTEL RESERVATIONS—Members should make their own hotel reservations by writing direct to the hotel. For convenience, a room reservation card for The Sheraton is being sent to members within the district. The scale of prices for The Sheraton are as follows:

Single Rooms: $3.00, $3.55, $4.10, $4.75
Double Rooms, Double Beds: $4.65, $5.20, $5.75, $6.35
Double Rooms, Twin Beds: $5.10, $5.75, $6.85, $7.95

Make reservations at once! Be sure to state estimated time of arrival, as hotel accommodations are still scarce.

ADVANCE REGISTRATION—Please register in advance. This will assist the registration committee and save time upon arrival. Send registration card to A. L. Duna, Chairman, Registration Committee, American Steel and Wire Company, 767 Millbury Street, Worcester (7), Mass. A registration fee of $2.00 will be charged all nonmembers with the exception of Enrolled Students and the immediate families of members.

District Meeting Committee
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E. W. Davis, Vice-President
Victor Siegfried, Secretary
H. F. Brown
Truman S. Gray
E. R. McKee
D. R. Percival
W. S. Scheering
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F. J. Adams, Entertainment
A. L. Duna, Hotel and Registration
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Mrs. W. T. Peirce, Ladies’ Program
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