

A.I.E.E. NORTHEASTERN DISTRICT MEETING

April 28, 29, 30, 1948

PROGRAM SUPPLEMENT

ALL TIMES ARE DAYLIGHT SAVING

TECHNICAL PROGRAM

Changes are as follows:—

- 9:30 a.m. Wednesday** — Rotating Machinery.
T. M. Linville, Presiding.
- 2:00 p.m. Wednesday** — Industry Applications, Textile Machinery.
Trends in Loom Design and Their Effect on Drive Requirement. Victor Sepavich—Crompton and Knowles Loom Works.
Drive Requirements for Cotton and Rayon Slashers. Frank Rowe — Dan River Mills.
- 2:00 p.m. Wednesday** — Circuit Breakers and Switchgear.
A New Type of Low Voltage Air Circuit Breaker. L. H. Sperow and J. A. Favre — General Electric Co.
- 2:00 p.m. Wednesday** — Special Industry Applications.
High Frequency Circuits for Internal Grinding Machines. L. Morrill — Heald Machine Company.
- 9:30 a.m. Thursday** — General Session.
Address by Clarence W. Mayott of the Hartford Electric Light Company — not of the Connecticut Valley Power Exchange.
- 2:00 p.m. Thursday** — Power and Land Transportation.
The paper by E. C. Brown of the Connecticut Valley Power Exchange is titled "A Philosophy of Power Pool Operation."
- 9:30 a.m. Friday** — Communication.
Micro-Waves in New England. J. H. Moore — A. T. & T. Co.

Additions are as follows: —

- 2:00 p.m. Wednesday** — Circuit Breakers and Switchgear.
D.P. — The Amplidyne as Applied in Modern Industry. W. C. Thiry — General Electric Co. (following Mr. Dalton's paper).
- 9:30 a.m. Thursday** — General Session.
Motion Picture — Mexico, Land of Enchantment.
(following Mr. Mayott's address)

STUDENT SESSIONS

Because of the many additional papers, the entire revised Student Program is printed here. Note that there are three sessions, all at 9:30 a.m. Room 119 is across the lobby from the Registration Desk and up one flight. Immediately following the close of the student sessions all students will assemble in the ballroom for the awarding of prizes.

9:30 a.m. Friday

Parlor A

EDMUND J. DRENZEK, Presiding

Phase Measurements by Pulse Techniques. Robert M. Lerner — Worcester Polytechnic Institute.

Increasing the Natural Resonant Frequency of Electro-Mechanical Oscillating Systems. George Gamble — University of Connecticut.

Multiplexing of Audio Channels by Time Division. George Arthur — Yale University.

Synthesis of Stagger Tuned I. F. Amplifiers. Samuel E. Church — Yale University.

Testing Methods for Transients in Audio Amplifiers. Thomas R. Hodge — Yale University.

A Proposed Color Television System. Jesse H. Haines — Massachusetts Institute of Technology.

Pulse Detection. David L. Anthony — Worcester Polytechnic Institute.

Parlor B

RICHARD R. SHANK, Presiding

A Simplified Gaussmeter for Measurement of Steady Magnetic Fields. James Biggerstaff — University of Connecticut.

Electrical Engineering Education. Edward S. Rosett — University of Connecticut.

A Transient Oscilloscope. Peter M. Schultheiss and Richard R. Shank — Yale University.

Properties and Applications of Selenium Rectifiers. A. L. Odmark — Yale University.

The Theory of the Polyphase Commutator Type Speed Regulator. R. S. Sanford and E. O. Spencer — Yale University.

Automatic Frequency Control System for 75 KV - A Alternator. Owen W. Kennedy — Worcester Polytechnic Institute.

A Single-Phase Linear Motor. R. C. Cornelison — Cornell University.

JOHN A. TUCKER, Presiding

Automatic Combustion Control. Frank S. Holby — Worcester Polytechnic Institute.

Fundamentals of Amplidyne Control. R. G. Winklepleck and M. Cohen — Cornell University.

Operational Characteristics of D-C Motors on Rectified A-C. Alton S. Kelsey and William L. Wagner — Worcester Polytechnic Institute.

Operational Analysis. M. Rosenblatt—Cornell University.

Simplified Frequency Standard. William A. Beers — Worcester Polytechnic Institute.

The Art of Creation. Robert E. Mueller — Massachusetts Institute of Technology.

A New Approach to Electronic Musical Instruments. Alan Pearlman — Worcester Polytechnic Institute.

INSPECTION TRIPS

Reservation tickets must be obtained in advance at the Registration Desk. Description of the trips will be found on the bulletin board and at the Registration Desk. Trips are scheduled as follows:—

2:00 p.m. Wednesday

American Steel and Wire Company. (Tickets 25 cents.)

3:00 p.m. Wednesday

J. B. T. Instruments, Inc. (Tickets 25 cents.)

A. C. Gilbert Company. (Tickets 25 cents.)

3:30 p.m. Thursday (approx.)

N. Y., N. H. & H. R. R. Co. — Locomotives. (No charge.)
(Please assemble in Parlor A).

11:00 a.m. Friday (approx.)

The United Illuminating Co. Heat Pump. (No Charge.)
(Please assemble in U. I. Co. Auditorium).

2:00 p.m. Friday

Dunham Laboratory of Yale. (No Charge.)
General Electric Co., Wire and Cable Div. (Tickets 50 cents.)

Winchester Repeating Arms Co. (Tickets 25 cents.)

Rockbestos Products Co. (Tickets 25 cents.)

N. Y., N. H. & H. R. R. Co. — 10,000 RKVA Capacitor. (Tickets 50 cents.)

The United Illuminating Co. — 30,000 KW Unit. (Tickets 25 cents.)

Wednesday

There are no plans for Wednesday dinner. The Yale Dramatic Association will present a preview of the presentation "Whoosh!!", which has its official opening the following evening. This will be in the Yale University Theatre at 8:30 P.M. Tickets are \$1.20 each and can be purchased only at the Theatre.

Thursday

A social hour in the Ballroom Foyer at 6:00 P.M. followed by an informal banquet in the Ballroom. Tickets, including both activities, are \$3.75 each, obtainable at the Registration Desk or at the Social Hour. Please obtain your tickets as early as possible. The evening will include:

Toastmaster — Prof. A. G. Conrad, Yale.

Remarks — Mr. Blake D. Hull, President.

Mr. E. W. Davis, Vice President.

Mr. H. H. Henline, Secretary.

Presentation of Prizes for Papers — Mr. Victor Siegfried, District Secretary.

Prof. Howdidi, Magician.

Motion Picture — A Trip Through Mexico.

DISTRICT EXECUTIVE COMMITTEE LUNCHEON

12:15 P.M. THURSDAY, IN THE LOGGIA

We take this opportunity to thank the companies listed below for their generous support which has made possible the social and entertainment program and the many inspection trips:—

Acme Wire Company

Allis-Chalmers Manufacturing Company

American Steel & Wire Company

Connecticut Light and Power Company

Electric Boat Company

General Electric Company

Hartford Electric Light Company

Kellems Company

Kerite Company

N. Y., N. H. & H. R. R.

Rockbestos Products Corporation

The Connecticut Company

The Southern New England Telephone Company

The States Company

The Superior Electric Company

The United Illuminating Company

Westcott & Mapes, Incorporated

Westinghouse Electric Corporation

Wiremold Company