



Summer Technical Meeting

St. Louis, Mo. June 26-30, 1944

Headquarters: Hotel Jefferson



Official Photograph, U. S. Army Air Forces

Aerial View of the B-17 Flying Fortress

FEATURES

Morse Telegraph Centennial

60th Anniversary of the Institute

40th Anniversary of the International Electrical Congress

The largest program in the history of the Institute expanded to include new fields of technical activities — industrial control, induction heating, many electronics applications, domestic and commercial applications, and 4 aircraft sessions.

SUMMER TECHNICAL MEETING

ADVANCE COPIES OF PAPERS

Preprints of technical papers may be obtained by mail by remitting price indicated to the A.I.E.E. Order Department, 33 West 39th Street, New York 18, N. Y.; if purchased at A.I.E.E. 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 (particularly from out-of-town members) are advisable, inasmuch as an adequate supply of each paper at the meeting cannot be assured. Coupon books in \$5.00 denominations are available for those who wish to avoid remittance by check or otherwise. Most of the papers ultimately will be published in *ELECTRICAL ENGINEERING* or the *TRANSACTIONS*.

Monday, June 26

9:30 a.m.—Registration

10:00 a.m.—Annual Meeting

President **NEVIN E. FUNK**, Presiding

Address of Welcome: Dr. William McClellan, Past President, AIEE

Board of Directors' Report (in abstract), H. H. Henline, National Secretary

National Treasurer's Report, W. I. Slichter

Committee of Tellers' Report on Election of Officers Introduction of, and Presentation of President's Badge to Charles A. Powel; Response by Mr. Powel

Report on Institute Prizes for Papers, F. A. Cowan, Chairman, Committee on Award of Institute Prizes; Presentations by President Funk

Presentation of Lamme Medal to Arthur H. Kehoe Presentation of Faraday Medal of Institution of Electrical Engineers to Dr. Irving Langmuir

Any Other Business that may be presented

President's address, Nevin E. Funk

2:00 p.m.—Conference of Officers, Delegates, and Members—Clinics on Section Operation and Management

There will be three separate clinics with parallel meetings. At each clinic, the meeting will be developed by questions and discussion from the floor, which will be answered and supplemented by an Advisory Panel Group. There will be an informal panel discussion on the following subjects:

1. Meetings and programs
2. Fellowship
3. Student Activities
4. (a) Technical Groups
- (b) Subsections
5. General Discussion

Larger Sections Clinic

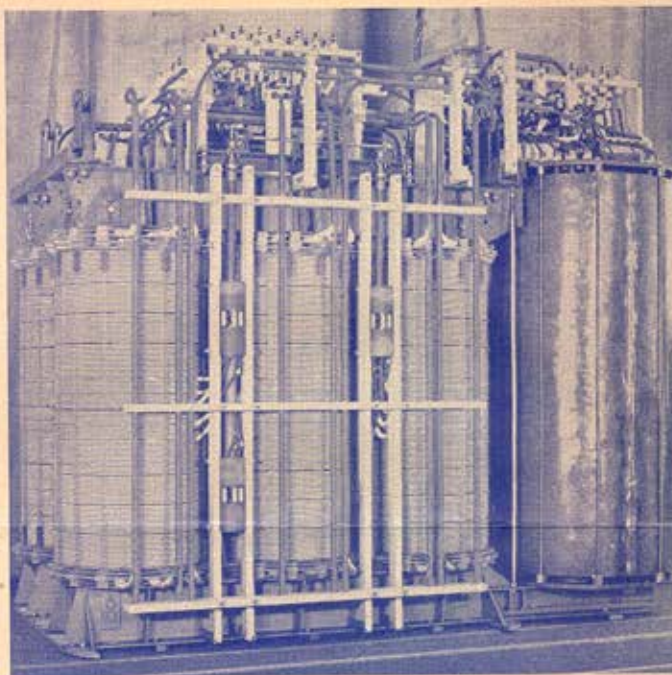
R. M. PFALZGRAFF, Presiding

Smaller Sections (Concentrated Membership) Clinic

G. W. BOWER, Presiding

Smaller Sections (Scattered Membership) Clinic

A. C. MUIR, Presiding



Assembled Core and Coils for an Oil-Immersed Shielded Winding Mercury-Arc-Rectifier Transformer with Shielded Reactor—to be Described in the Symposium on Electronic Frequency Converters.

Tuesday, June 27

9:30 a.m.—Power Generation

44-98. The Summation of Load Curves, R. F. Hamilton, War Production Board. 25 cents by mail.

44-85. Prevention of Rotor Winding Deformation on Turbo-Generators. J. G. Noest, Consolidated Edison Co. of N. Y., Inc. 25 cents by mail.

44-106. The Effect of Weather on the System Load. H. A. Dryar, Philadelphia Elec. Co. 30 cents by mail.

44-107. Conditions Controlling the Economic Selection of Prime Movers. B. G. A. Skrotzki, Consolidated Edison Co. of N. Y., Inc. 30 cents by mail.

*CP. Progress Report on Turbo-Generator Standardization. AIEE Group of AIEE-ASME Joint Committee on Turbo-Generators

9:30 a.m.—Aircraft Equipment

44-89. The Differential Generator Control Relay for D-C Aircraft Electrical Systems. F. E. Crever, General Elec. Co. 20 cents by mail.

44-90. Aircraft Fuses Must Protect. J. C. Lebens, Jr., Bussmann Mfg. Co. 15 cents by mail.

44-108. An Aircraft Differential-Voltage Cutout. O. C. Walley, Westinghouse Elec. & Mfg. Co. 15 cents by mail.

44-88. Alternating-Current Contactors for Aircraft. F. J. Russell and A. P. Charbonneau, Cutler-Hammer, Inc. 15 cents by mail.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

9:30 a.m.—Basic Sciences

- 44-95. Formulas for the Four-Terminal Network Parameters of Uniform Networks. W. R. LePage, The Johns Hopkins Univ. 15 cents by mail.
- 44-109. Formulas for Calculating Short-Circuit Forces between Channels Located Back to Back. T. J. Higgins, Illinois Inst. of Tech. 15 cents by mail.
- 44-110. The Computation of Magnetic Field Strength of Round Coils of Small Cross Section. H. B. Dwight and G. O. Peters, Mass. Inst. of Tech. 15 cents by mail.
- 44-129. Fundamentals of Hearing Aid Design. W. P. Penn, Vacolite Co. 20 cents by mail.

9:30 a.m.—Quality Control by Statistical Methods

- *CP. Developments in the Control of Quality by Statistical Methods. R. E. Wareham, General Elec. Co.
- *CP. Educational Courses on Quality Control. Paul R. Rider, Washington Univ.
- *CP. Application of Statistical Principles to Acceptance Inspection of Ordnance Materiel. Captain A. R. Burgess
- 44-113. The Application of Statistics to Dielectrics. C. M. Summers and K. E. Ross, General Elec. Co. 15 cents by mail.
- †ACO. Statistical Methods for Quality Control. Joseph Manuel, Westinghouse Elec. and Mfg. Co.

12:00 m.—Luncheon Meeting—Invitations to St. Louis Electrical Board of Trade

Address, "Aviation and the Electrical Engineer." Lieutenant Colonel T. B. Holliday, U. S. Army Air Forces.

2:00 p.m.—Conference of Officers, Delegates, and Members

R. M. PFALZGRAFF, Vice-Chairman, Sections Committee, Presiding

Opening Remarks by Chairman

The Relation of Section and National Activities
Dr. Nevin E. Funk, President, AIEE

Remarks by President-Elect, AIEE

District Activities. H. H. Henline, National Secretary, AIEE

The Enhancement of the Professional Status of the Engineer—"WILL YOU HELP?" Everett S. Lee, Chairman, ECPD

Sections Committee Activities. G. W. Bower, Chairman, Sections Committee

Section Finance. T. F. Barton, Chairman, Finance Committee

Discussion by Delegates

Section Membership Activity. J. H. Pilkington, Chairman, Membership Committee

Discussion by Delegates

Section Papers and Prize Awards. F. A. Cowan, Chairman, Committee on Award of Institute Prizes
Discussion by Delegates

General Discussion by Delegates

The Rendezvous Arduous. A Portrayal of the Executive Committee in Session, Utopia Section, AIEE. C. S. Schifreen, Chairman

2:00 p.m.—Power Transmission

- 44-114. The Measurement of Lightning Currents in Direct Strokes. G. D. McCann, Westinghouse Elec. Mfg. Co. 20 cents by mail.



Teletypewriter Switchboard at New York Used for Exchange Service—
Illustrating the State of the Art of Telegraphy after 100 Years

SUMMER TECHNICAL MEETING

- 44-115. Transmission-Line Electrical Loadings. S. B. Crary, General Elec. Co. 25 cents by mail.
- 44-116. Ring Buses for Generating and Transmission Stations. E. L. Michelson and J. P. Gallassini, Commonwealth Edison Co. 20 cents by mail.
- 44-117. Capacitor Installation at Newport News. V. R. Parrack, Virginia Public Service Co.; E. L. Harder, Westinghouse Elec. and Mfg. Co. 25 cents by mail.
- 44-118. Capacitors, Condensers, and System Stability. J. W. Butler, T. W. Schroeder, W. Ridgway, General Elec. Co. 30 cents by mail.
- 44-119. A Method of Approach to the Consideration of Power Distribution System Costs. O. B. Falls, Jr., General Elec. Co. 20 cents by mail.

2:00 p.m.—Aircraft Ignition and Auxiliaries

- 44-112. Aircraft Storage Battery Design. J. L. Rupp, National Battery Co. 15 cents by mail.
- 44-121. Battery Booster Coils for Airplane Engine Ignition Systems. A. V. Alvino, Bendix Aviation Corp. 15 cents by mail.
- 44-123. Dimensional Study of Light-Weight Motors for Aircraft. W. J. Morrill, Electric Motors and Specialties Co. 15 cents by mail.
- 44-124. Auxiliary Power Plant Requirements. L. E. O'Neil, Andover Motors Corp. 15 cents by mail.

2:00 p.m.—Electric Welding

- 44-101. Rating of Electric Equipment under Intermittent Load. Myron Zucker, Mackworth G. Rees, Inc. 25 cents by mail.
- 44-125. An Improved Electronic Control for Capacitor Discharge Resistance Welding. H. J. Bichsel, E. T. Hughes, Westinghouse Elec. and Mfg. Co. 25 cents by mail.
- 44-105. The Design of Low-Voltage Welding Power Distribution. C. A. Adams, J. R. Fetcher, A. C. Johnson, E. G. Budd Mfg. Co. 30 cents by mail.
- *CP. Welder Power Supply—A Problem of Coordination. R. O. Askey, E. R. Hendrickson, Public Service Co. of Northern Ill.

Wednesday, June 28

10:00 a.m.—General Session

2:00 p.m.—Morse Telegraph Centennial

- 44-127. American Telegraphy after 100 Years. F. E. d'Humy, P. J. Howe, Western Union Telegraph Co. 30 cents by mail.

- 44-126. Developments in the Field of Cable and Radio Telegraph Communications. Haraden Pratt, Mackay Radio and Telegraph Co.; J. K. Roosevelt, All America Cables and Radio, Inc. 15 cents by mail.
- 44-128. Telegraphy in the Bell System. J. A. Duncan, American Tel. and Tel. Co.; R. D. Parker, Bell Tel. Labs., Inc.; R. E. Pierce, American Tel. and Tel. Co. 30 cents by mail.

2:00 p.m.—Power Cables

- 44-130. Impulse Strength of Insulated Power Cable Circuits. Herman Halperin, Commonwealth Edison Co.; G. B. Shanklin, General Elec. Co. 30 cents by mail.
- 44-131. Cyclic Movement of Cable—Its Causes and Effects on Cable Sheath Life. C. S. Schifreen, Philadelphia Elec. Co. 30 cents by mail.
- 44-132. An Investigation of the Relationship between Temperature and Movement of Cables in Ducts. C. T. Nicholson, T. J. Brosnan, Buffalo Niagara Elec. Corp. 15 cents by mail.
- 44-133. Gas-Filled Cable Research and Experience. G. B. Shanklin, General Elec. Co. 15 cents by mail.
- 44-134. Operation of Low-Pressure Gas-Filled Cable. C. T. Hatcher, Consolidated Edison Co. of N. Y., Inc. 15 cents by mail.

2:00 p.m.—Aircraft Lighting and Instruments

- 44-136. Gaseous Discharge Lamps for Airplane Lighting Service. E. W. Beggs, Westinghouse Elec. and Mfg. Co. 15 cents by mail.
- 44-91. Lighting Required for Commercial Airline Aircraft. W. A. Petrasek, American Airlines, Inc. 15 cents by mail.
- 44-138. Aircraft Engine Torque Meters. F. W. Godsey, Jr., B. E. Langer, Westinghouse Elec. Mfg. Co. 15 cents by mail.
- 44-149. Magnesyn Remote Indication. R. S. Childs, Bendix Aviation Corp. 15 cents by mail.

2:00 p.m.—Industrial Control

- 44-139. The Degree of Short-Circuit Protection Afforded Small Low-Voltage A-C and D-C Starters by Means of Fuses and Circuit Breakers. B. W. Jones, General Elec. Co. 15 cents by mail.
- 44-140. Insulation Temperature Standards for Industrial Control Coils. B. W. Erikson, General Elec. Co. 15 cents by mail.
- 44-141. Industrial Control: Shunted-Armature Connection for a D-C Shunt Motor. G. F. Leland, L. T. Rader, General Elec. Co. 15 cents by mail.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

- 44-142. Modern Cargo Winch Control for Use on Victory Ships. F. H. Holt, General Elec. Co. 20 cents by mail.
- *CP. Grid Control for Gaseous Discharge Tubes. P. T. Chin, E. E. Moyer, General Elec. Co.

2:00 p.m.—Educational Problems in Engineering Colleges and Their Effects in Industry

- *CP. Postwar Courses and Curricula in Electrical Engineering. R. G. Kloeffler, Kansas State College.
- *CP. Interpretation of Present Hiatus in Engineering Education on Industrial Postwar Demands for Engineers. J. L. Hamilton, Assistant Vice-President, Century Electric Co.

3:30 p.m.—Clinic on College and High School Student Counseling

- *CP. Co-operation of Sections. G. W. Bower, Chairman, Sections Committee
- *CP. Values of Counseling to High School Students. T. L. Jones, Chairman, Educational Committee, St. Louis Section
- *CP. High School Students Counseling in Metropolitan New York Area. S. P. Shackelton, Chairman, Student Guidance Committee, N. Y. Section
- *CP. Ways and Means of Sections Co-operating with College AIEE Branches. R. C. Gorham, Univ. of Pittsburgh

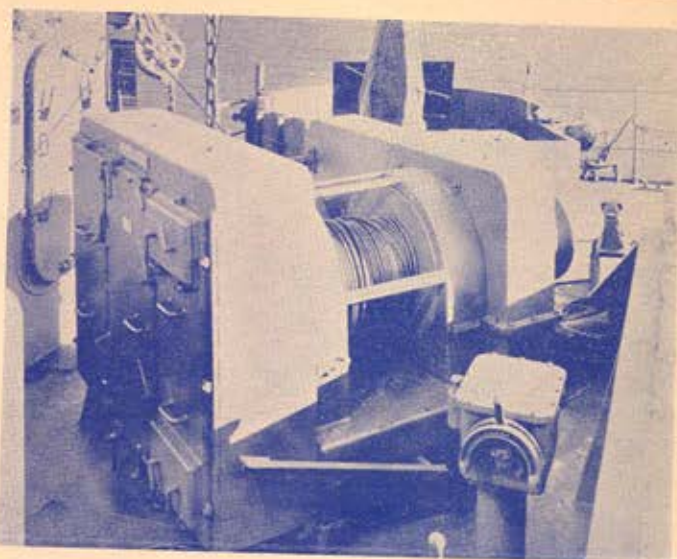
Thursday, June 29

9:30 a.m.—Symposium on Electronic Frequency Converters

- 44-143. History and Development of the Electronic Power Converter. E. F. W. Alexanderson, E. L. Phillipi, General Elec. Co. 15 cents by mail.
- 44-144. The Electronic Converter for Exchange of Power. F. W. Cramer, Carnegie-Illinois Steel Corp.; L. W. Morton, A. G. Darling, General Elec. Co. 30 cents by mail.
- 44-145. Design of an Electronic Frequency Changer. C. H. Willis, Princeton Univ.; R. W. Kuenning, E. F. Christensen, B. D. Bedford, General Elec. Co. 25 cents by mail.
- 44-146. Switchgear and Control for an Electronic Power Converter. W. N. Gittings, A. W. Bateman, General Elec. Co. 15 cents by mail.
- 44-147. Pentode Ignitrons for Electronic Power Converters. H. C. Steiner, J. L. Zehner, H. E. Zuvers, General Elec. Co. 25 cents by mail.

9:30 a.m.—Aircraft Instruments

- 44-148. Totalizing Contents of Aircraft Fuel Tanks. J. R. Macintyre, General Elec. Co. 15 cents by mail.
- 44-151. Electrically Operated Gyroscopic Instruments. H. Konet, Bendix Aviation Corp. 15 cents by mail.



The Unit Cargo Winch for Use on Victory Ships—to be Described in the Industrial Control Session

- 44-150. Design Considerations in Aircraft Instruments to Meet War Service. C. F. Savage, J. M. Whittenton, General Elec. Co. 25 cents by mail.
- 44-152. A Unique Moving Magnet Ratio Instrument. F. R. Sias, D. B. Fisk, General Elec. Co. 15 cents by mail.
- 44-153. Recent Advances in Aircraft Tachometer Design. R. G. Ballard, C. P. Hall, General Elec. Co. 15 cents by mail.

9:30 a.m.—Heating Houses Electrically

- 44-154. Load Calculation Procedure for Electric Panel Space Heating. B. F. Raber, F. W. Hutchinson, Univ. of Calif. 30 cents by mail.
- 44-155. Electrothermal Space Heating and Air Conditioning. G. H. Krueger, Bonneville Power Adm. 15 cents by mail.
- 44-156. Possibilities of Heat Pumps for Heating Homes. R. U. Berry, General Elec. Co. 15 cents by mail.

9:30 a.m.—Conference on Temperature Standards

The purpose of the conference sessions is to review temperature standards including hot spot allowances for rotating machines in the fractional and integral horsepower sizes. These sessions represent a continuation of the activity started at the winter technical meeting in New York. There will be a series of conference papers presented giving actual test results of temperature tests on various types and sizes of motors.

Those expected to present conference papers are as follows:

- L. E. Hildebrand, General Elec. Co.
L. H. Hirsch, Century Elec. Co.

(Continued page 6)

SUMMER TECHNICAL MEETING

H. M. Joy, Master Elec. Co.
T. C. Lloyd, Robbins and Meyers, Inc.
R. F. Munier, Emerson Elec. Mfg. Co.
F. D. Phillips, General Elec. Co.
M. L. Schmidt, General Elec. Co.
P. H. Trickey, Diehl Mfg. Co.
C. P. Potter, Wagner Elec. Corp.

2:00 p.m.—Conference on Temperature Standards —continued

2:00 p.m.—Switchgear

- 44-157. Protection of Large D-C Machines by Means of High-Speed Circuit Breakers. J. Elmer Housley, Aluminum Co. of America; Otto Jensen, I-T-E Circuit Breaker Co. 15 cents by mail.
- 44-102. A Pneumatic Mechanism for Outdoor Oil Circuit Breakers. L. J. Linde, E. B. Rietz, General Elec. Co. 15 cents by mail.
- 44-158. Improved Selective Tripping of Low-Voltage Air Circuit Breakers. C. F. West, Westinghouse Elec. and Mfg. Co. 15 cents by mail.
- 44-97. Fusing Practices on Distribution Systems, Part II. J. S. Parsons, J. M. Wallace, Westinghouse Elec. and Mfg. Co. 15 cents by mail.
- 44-159. Fault Protection on Shipboard A-C Power Distributions Systems. H. G. Rickover, P. N. Ross, Bureau of Ships, Navy Department. 30 cents by mail.

2:00 p.m.—Electronics and Measurements

- 44-78. Development of Excitron-Type Rectifier. H. Winograd, Allis-Chalmers Mfg. Co. 30 cents by mail.
- 44-11. Analysis of Rectifier Circuits. E. F. Christensen, C. C. Herskind, General Elec. Co.; C. H. Willis, Princeton Univ. 30 cents by mail.
- 44-160. Operation of Rectifiers under Unbalanced Conditions. E. F. Christensen, M. M. Morack, General Elec. Co. 15 cents by mail.
- 44-161. A Resonant Cavity Method for Measuring Dielectric Properties at Ultrahigh Frequencies. C. N. Works, T. W. Dakin, F. G. Boggs, Westinghouse Elec. and Mfg. Co. 25 cents by mail.
- *CP. High-Frequency Cable Design and Testing. N. D. Kennedy, P. W. Ware, Simplex Wire & Cable Co.

2:00 p.m.—Conference on Experiences with Electric House Heating

- *CP. Electrical Heating of Small Homes in the Tennessee Valley. B. H. Martin, Tennessee Valley Authority.
- *CP. Reverse Refrigeration Applied to a New Haven Office Building. E. H. Walton; C. A. Williams, United Illuminating Co.

4:00 p.m.—Open Meeting of Committee on Domestic and Commercial Applications

- *CP. Report of Subcommittee on Farm Application. C. H. Leatham, Monongahela West Penn Public Serv. Co.

- *CP. Report of Subcommittee on Hazards to Farm Animals. W. B. Buchanan, Hydro-Electric Power Comm. of Ont.
- *CP. Report of Subcommittee on Wiring Matters. Wesley Weinerth, Philadelphia Elec. Co.

Friday, June 30

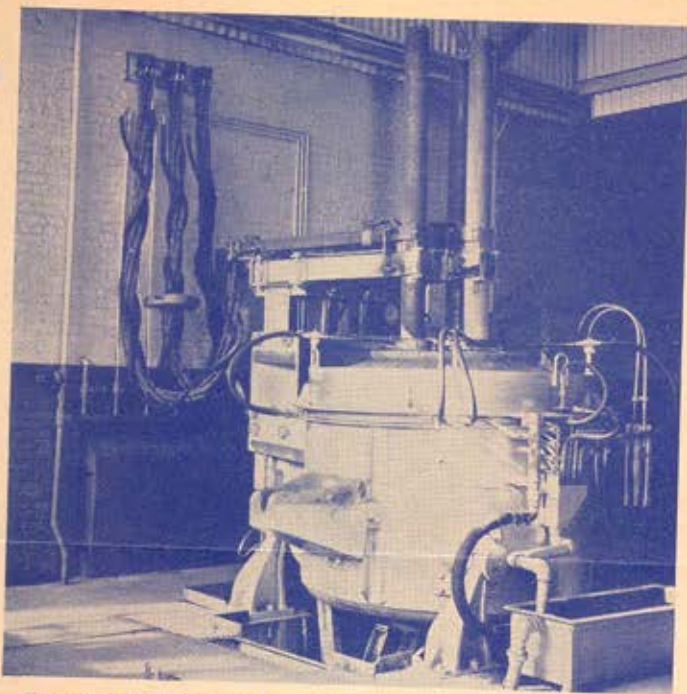
9:30 a.m.—Electrochemistry and Electrometallurgy

- 44-163. The Copper Oxide Rectifier in Electrochemical Work. I. R. Smith, Westinghouse Elec. and Mfg. Co. 20 cents by mail.
- 44-164. Electronic Regulator for Arc Furnaces. J. E. Reilly, C. E. Valentine, Westinghouse Elec. and Mfg. Co. 15 cents by mail.
- 44-165. Characteristics of Chlorinated Impregnants in D-C Paper Capacitors. L. J. Berberich, C. V. Fields, R. E. Marbury, Westinghouse Elec. and Mfg. Co. 25 cents by mail.
- 44-100. Treatment and Casting of Metals by Electromagnetic Forces. W. W. Hoke, Garden City, N. Y. 20 cents by mail.
- 44-166. Induction Heating—Selection of Frequency. N. R. Stansel, General Elec. Co. 20 cents by mail.
- 44-167. Application of Industrial Generators to Induction Heating. E. H. Browning, Westinghouse Elec. and Mfg. Co. 15 cents by mail.
- 44-168. Surface Heating by Induction. H. F. Storm, Allis-Chalmers Mfg. Co. 25 cents by mail.
- 44-99. Voltage Transients in Arc-Furnace Circuits. Subcommittee on Transient Voltages in Arc Furnace Circuits. 20 cents by mail.

9:30 a.m.—Transformers

- 44-169. Progress in Impulse Testing of Transformers. J. H. Hagenguth, General Elec. Co. 30 cents by mail.
- 44-170. High-Voltage, Compressed-Gas Power Transformers. H. M. Hobart, Consulting Engineer. 15 cents by mail.
- 44-171. The Design and Operating Characteristics of Modern Dry-Type Air-Cooled Transformers. W. W. Satterlee, Westinghouse Elec. and Mfg. Co. 15 cents by mail.
- 44-103. Hot-Spot Temperatures in Dry-Type Transformer Windings. H. C. Stewart, L. C. Whitman, General Elec. Co. 25 cents by mail.
- *CP. Standard Current Transformers with One-Ampere Secondary. L. F. Hunt, J. H. Vivian, Southern Calif. Edison Co., Ltd.

(Continued page 7)



Typical Arc Furnace Having Electrodes Arranged for Hydraulic Positioning—Electronic Regulation

- 44-172. A New Frequency Relay for Power System Applications. H. J. Carlin, J. L. Blackburn, Westinghouse Elec. and Mfg. Co. 20 cents by mail.
- 44-93. Current Transformer Output and Application Charts. R. Koller, Pacific Elec. Mfg. Corp. 15 cents by mail.
- 44-94. The Evolution of Standard Lines of Current Transformers for High Overcurrent Capacity. E. C. Wentz, Westinghouse Elec. and Mfg. Co. 25 cents by mail.
- 44-135. A New Carrier Relaying System. T. R. Halman, Detroit Edison Co.; S. L. Goldsborough, H. W. Lensner, A. F. Drompp, Westinghouse Elec. and Mfg. Co. 15 cents by mail.

2:00 p.m.—Land Transportation

- 44-92. Modern Motive Power for the Sorocabana Railway. R. L. Chapman, O. K. Kjolseth, General Elec. Co. 15 cents by mail.
- 44-96. Economics of Trolley Coach Operation. G. M. Woods, Westinghouse Elec. and Mfg. Co. 15 cents by mail.

2:00 p.m.—Motors and Related Subjects

- 44-174. Interlamination Resistance. J. F. Barton, Carnegie-Illinois Steel Corp. 15 cents by mail.
- 44-175. Transient Performance of Induction Motors. F. J. Maginniss, N. R. Schultz, General Elec. Co. 25 cents by mail.
- 44-176. Differential Leakage with Respect to the Fundamental Wave and to the Harmonics. M. M. Liwshitz, Westinghouse Elec. and Mfg. Co. 30 cents by mail.
- 44-177. The Nature of Vibration in Electrical Machinery. T. D. Graybeal, Univ. of Calif. 20 cents by mail.

*CP.: Conference presentation; no advance copies of papers available; not intended for publication in TRANSACTIONS.

†ACO.: Advance copies only available; not intended for publication in TRANSACTIONS.

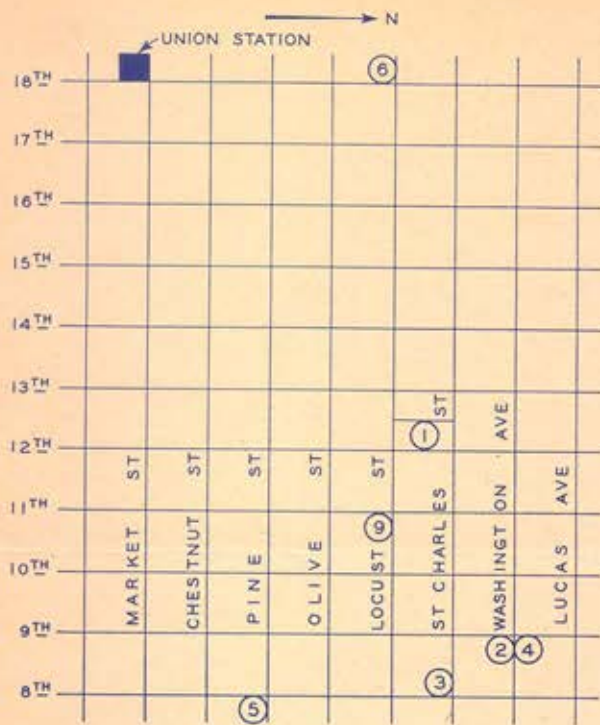
9:30 a.m.—Industrial Power Applications

- 44-178. Extending the Use of Shunt Capacitors by Means of Automatic Switching. W. H. Cuttino, Westinghouse Elec. and Mfg. Co. 20 cents by mail.
- 44-173. Automatic Control and Switching Equipment for Capacitor Banks and Its Application. T. W. Schroeder, W. C. Bloomquist, General Elec. Co. 20 cents by mail.
- *CP. Electric Power Distribution for Industrial Plants. Report of Committee on Industrial Power Applications
- *CP. Dodge Chicago Plant's Electric Power Distribution Scheme with Airplane Engine Testing Power Recovery Circuits. E. L. Bailey, Chrysler Corp.

2:00 p.m.—Relays

- 44-104. Bibliography of Relay Literature 1940-1943. Working Group on Relay Bibliography, Relay Subcommittee. 30 cents by mail.

SUMMER TECHNICAL MEETING—ST. LOUIS, JUNE 26-30, 1944



Downtown St. Louis

- | | |
|---------------------|---------------------------------|
| 1. Jefferson Hotel | 6. Claridge Hotel |
| 2. Statler Hotel | *7. Coronado Hotel, 3600 West |
| 3. Mayfair Hotel | *8. Park Plaza Hotel, 5000 West |
| 4. Lennox Hotel | 9. DeSoto Hotel |
| 5. Mark Twain Hotel | |

* Not shown on map; about 3 or 4 miles west with good rapid transit facilities to the downtown area.

Hotel Reservations

The Jefferson Hotel has been selected as Headquarters. Additional accommodations have been obtained at the Statler, Mayfair, Lennox, Mark Twain, DeSoto, Coronado, Park Plaza, and Claridge Hotels. The location of most of the hotels is shown on the above map. All rooms include bath or shower and the majority are air conditioned. The rates are as follows:

Hotel	For One Person	For Two Persons Double Bed	Persons Twin Beds	Suites
Jefferson	\$3.50-\$5.00	\$4.50-\$6.00	\$6.00-\$8.00	\$12.00-\$20.00
Statler	\$2.75-\$5.00	\$4.50-\$6.50	\$6.25-\$6.50	—
Mayfair	\$3.00-\$6.50	\$4.00-\$8.00	\$5.50-\$8.00	\$10.50-\$14.00
Lennox	\$3.50-\$5.00	\$4.50-\$5.50	\$5.50-\$7.00	—
Mark Twain	\$2.50-\$3.50	\$3.50-\$5.00	\$5.00-\$5.50	—
Claridge	\$2.75-\$3.00	\$4.50-\$5.00	\$5.00-\$6.00	—
Coronado	\$3.00-\$9.00	\$4.50-\$5.00	\$6.00-Up	\$ 8.50-Up
Park Plaza	\$4.50-\$6.00	—	\$6.00-\$9.00	—
DeSoto	\$2.65-\$3.65	\$4.00-\$7.00	\$5.30-\$10.00	—

All reservations must be made through the Hotels Committee by means of the enclosed card. Because of the great demand for hotel facilities the blanket reservations made by the Committee will expire *June 15*. Your individual reservations should be made as early as possible and must be made *before June 15*.

Advance Registration

Please fill in and mail the Advance Registration Card promptly, if you will attend the meeting. This will permit the Registration Committee to have badges ready and prevent congestion at the registration desk. In accordance with regular practice a registration fee of \$2 will be charged all nonmembers, excepting Enrolled Students, and the immediate families of members.

H. H. HENLINE, *National Secretary*

SUMMER TECHNICAL MEETING COMMITTEE

- | | |
|-----------------------------|------------------------------------|
| B. D. Hull, <i>Chairman</i> | L. L. Crump, |
| I. T. Monseth, | <i>Secretary-Treasurer</i> |
| <i>Vice-Chairman</i> | F. A. Cooper, Jr., <i>Chairman</i> |
| | <i>St. Louis Section</i> |

Subcommittee Chairmen

- | | |
|--|-----------------------------------|
| C. B. Fall, <i>Finance</i> | R. G. Meyerand, <i>Hotels</i> |
| C. H. Kraft, | E. S. Rehagen, <i>Hospitality</i> |
| <i>Meetings and Papers</i> | G. W. Thaxton, |
| B. T. McCormick, <i>Registration and Information</i> | <i>Transportation and Trips</i> |
| | L. F. Woolston, <i>Publicity</i> |

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