

A M E R I C A N
I N S T I T U T E O F
E L E C T R I C A L
E N G I N E E R S



W i n t e r . . .
C o n v e n t i o n

January 22nd to 25th - 1935

Program

General Information Page One

Schedule of Events and Index . Page Two

●

Engineering Societies Building
33 W. 39th Street - New York

GENERAL INFORMATION

A program replete with professional interest and social activities has been arranged. A complete schedule of events and index to details is given on page 2.

Please register promptly on arrival at the convention and deposit the railroad certificate. When 100 certificates have been validated, announcements will be made and they should be called for at the desk. A registration fee of \$2 will be charged all non-members, except Enrolled Students and the immediate families of members.

Get tickets at once for the smoker, Edison Medal and John Fritz Medal presentations-demonstration lecture, the dinner-dance and dance-buffet supper, or both, and inspection trips, as the number which can be accommodated is limited. For the trips, tickets must be secured by 4 o'clock on the previous day.

Information on all features of the convention may be obtained at the registration desk. The Institute rooms and offices on the tenth floor of the Engineering Societies Building are open to members.

Efforts will be made to deliver telegrams and messages promptly. Any mail for members received during the convention will be held at registration desk until called for; letters undelivered at the close of the meeting will be forwarded to latest mailing address.

Technical Sessions and Discussions are governed by the "Conduct of Technical Sessions" at the discretion of the chairman presiding. The Institute will appreciate your courtesy and cooperation in strictly abiding by the decisions of the chairman in all matters.

Preference will be given to those who have explained in advance their intention to discuss papers. Usually 5 minutes are allowed to each discussor for the discussion of a single paper or of several papers on the same general subject. Names and affiliations should be clearly announced from the platform. Discussions should be typewritten (in triplicate), and left with the chairman. Otherwise they should be sent to C. S. Rich, A.I.E.E., 33 West 39th Street, New York, N. Y., before February 8.

Winter Convention

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TUESDAY, JANUARY 22

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WEDNESDAY, JANUARY 23

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THURSDAY, JANUARY 24

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| 2:00 P.M.—Induction Motor Symposium | 9 |
| 2:30 P.M.—Ladies' Visit to Good Housekeeping Institute.... | 10 |
| 7:00 P.M.—Dinner-Dance-Buffer Supper | 9, 10 |

FRIDAY, JANUARY 25

INSPECTION TRIPS

| | |
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| 9:30 A.M.—Ford Motor Company, Okonite-Callender Cable Company, and Wright Aeronautical Corp. | 13 |
| 9:30 A.M.—Radio City Music Hall..... | 13 |
| 10:00 A.M.—Radio Patrol System, New York Police Dept.... | 13 |
| 11:30 A.M.—General Electric House of Magic..... | 13 |
| 1:00 P.M.—RCA Radiotron Company..... | 13 |
| 1:30 P.M.—Newark Airport and Plane Flight..... | 13 |
| 2:00 P.M.—S.S. California—Panama Pacific Line..... | 13 |
| 2:00 P.M.—Ladies' Tour of Radio City and visit to British Room | 10 |

CONVENTION FEATURES

The Smoker

This year the smoker will be held at the Casino de Patee, 254 West 54th Street, on Tuesday evening, January 22. The Casino will be reserved for members and their guests from 6:00 p.m. to 10:30 p.m. A full course dinner will be served in spacious surroundings which will afford ample opportunity to move around and meet your friends. Then without leaving your table you get an unobstructed view of the fine regular show—all at a price reduced this year to \$2.35 per person, including tax.

Edison Medal and John Fritz Medal

Presentations—Demonstration Lecture

On the evening of Wednesday, January 23, beginning at 8:15, three outstanding events will take place in the Engineering Auditorium. The Edison Medal will be presented to Dr. Willis R. Whitney; the John Fritz Medal will be presented to a member of the immediate family of the late Dr. Frank Julian Sprague; and A. L. Powell, president of the Illuminating Engineering Society, will give a demonstration lecture entitled "Artificial Light—The Engineers' Greatest Gift to Mankind."

The medal presentation ceremonies will consist of appropriate addresses by prominent engineers including the achievements of the medalists, the origin and history of the medals, and responses.

The demonstration lecture by Mr. Powell will briefly trace the history of lighting from the time of pine knot torch through the days of the Egyptian, the Middle Ages, and the 19th Century. The applications of arc lamps in industry, medicine, and projection will be demonstrated, as well as all the newest forms of gaseous conductor lamps, including the high intensity mercury and sodium lamps. Special types of incandescent lamps with which the public is not familiar will also be described. Besides the apparatus on display the lecture will be illustrated by lantern slides giving details of construction, essential technical data, and colored views showing equipment in actual service.

(Continued on page 10)

Winter Convention

PROGRAM

Tuesday, January 22

9:00 a.m.—Registration

10:00 a.m.—Opening of Convention

(In Auditorium)

Welcome to Members and Guests

C. R. JONES, Chairman
Winter Convention Committee

The A.I.E.E. as an Educational Institution

J. ALLEN JOHNSON, President

The Technical Sessions

R. N. CONWELL, Chairman
Technical Program Committee

10:30 a.m.—Electrical Machinery

(Room One, Fifth Floor)

V. M. MONTSINGER, Presiding

Heat Flow in Turbine Generator Rotors

C. E. PECK, Westinghouse Electric & Mfg. Co.

Oct., p. 1359

Output Wave Shape of Controlled Rectifiers

F. O. STEBBINS and C. W. FRICK, General Electric Co.

Sept., p. 1259

Transients in Magnetic Systems

C. F. WAGNER, Westinghouse Electric & Mfg. Co.

March, p. 418

10:30 a.m.—Communication

(In Auditorium)

H. M. TURNER, Presiding

Wide Band Transmission Over Coaxial Lines

LLOYD ESPENSCHIED and M. E. STRIEBY, Bell Telephone Laboratories, Inc.

Oct., p. 1371

Coaxial Communication Transmission Lines

S. A. SCHELKUNOFF, Bell Telephone Laboratories, Inc.

Dec., p. 1592

Wide Band Transmission Over Balanced Lines

A. B. CLARK, Bell Telephone Laboratories, Inc.

Jan., p. 27

Ultra-Short Waves in Urban Territory

C. R. BURROWS, L. E. HUNT, and ALFRED DECINO, Bell Telephone Laboratories, Inc.

Jan., p. 115

American Institute of Electrical Engineers

Tuesday—continued

2:00 p.m.—Transformer Symposium

(In Auditorium)

V. M. MONTSINGER, Presiding

Effect of Overloads on Transformer Life

L. C. NICHOLS, Allis-Chalmers Mfg. Co.

Dec., p. 1616

Overloading of Power Transformers

V. M. MONTSINGER, General Electric Co., and W. M. DANN, Westinghouse Electric & Mfg. Co.

Oct., p. 1353

Impulse and 60 Cycle Strength of Air

P. L. BELLASCHI and W. L. TEAGUE, Westinghouse Electric & Mfg. Co.

Dec., p. 1638

Recommended Transformer Standards

H. V. PUTMAN, Westinghouse Electric & Mfg. Co., and J. E. CLEM, General Electric Co.

Dec., p. 1594

2:00 p.m.—Education

(Room One, Fifth Floor)

L. A. DOGGETT, Presiding

Engineering Education is Meeting the Challenge

H. W. BIBBER, The Ohio State University.

Oct., p. 1357

On the Schooling of Engineers

ALEX DOW, Detroit Edison Co.

Dec., p. 1589

Engineering in the Social Sciences

J. C. LINCOLN, The Lincoln Electric Co.

Jan., p. 16

Characteristics of a Group of Engineers

THOMAS SPOONER, Westinghouse Electric & Mfg. Co.

Dec., p. 1571

6:00 p.m.—Smoker

(Casino de Paree, 254 West 54th Street).

Tickets \$2.35 per person (including tax)

(See details page 3)

Technical Papers

In accordance with the unified publication plan, all papers scheduled have been circulated to the entire membership in advance of the convention. Pamphlet copies of these papers are not available. Reference is given with each paper to the issue and page of *Electrical Engineering* publication.

(Also see note on *Technical Sessions and Discussions*, page 1.)

Winter Convention

Wednesday, January 23

10:00 a.m.—General Overhead Line Problems

(In Auditorium)

D. M. SIMMONS, Presiding

Lightning Performance of 220 Kv Lines

Lightning and Insulator Subcommittee.

Nov., p. 1443

Overtages on Transmission Lines

C. L. GILKESON, Edison Electric Institute, and P. A. JEANNE, American Telephone & Telegraph Co.

Sept., p. 1301

Expulsion Protective Gaps on 132 Kv Lines

PHILIP SPORN and I. W. GROSS, American Gas & Electric Co.

Jan., p. 66

Multiple Lightning Strokes

K. B. McEACHRON, General Electric Co.

Dec., p. 1633

Vibration Analysis - Transmission Line Conductors

W. B. BUCHANAN, Hydro-Electric Power Commission of Ontario.

Nov., p. 1478

A Carrier Current Relay Installation

O. A. BROWNE and W. L. VEST, Jr., Western Massachusetts Cos.

Jan., p. 109

Constant-Current D-C Transmission

C. H. WILLIS, Princeton University, and B. D. BEDFORD and F. R. ELDER, General Electric Co.

Jan., p. 102

10:00 a.m.—Noise Symposium

(Room One, Fifth Floor)

P. L. ALGER, Presiding

Standardization of Noise Meters

R. G. McCURDY, Bell Telephone Laboratories, Inc.

Jan., p. 14

Noise Measurements for Engineering Purposes

B. G. CHURCHER, Metropolitan-Vickers Electrical Co., Ltd.

Jan., p. 55

Measurements of Noise From Power Transformers

A. P. FUGILL, The Detroit Edison Co.

Dec., p. 1603

Measurements of Noise From Small Motors

C. G. VEINOTT, Westinghouse Electric & Mfg. Co.

Dec., p. 1624

Quieting Substation Equipment

E. J. ABBOTT, University of Michigan.

Jan., p. 20

American Institute of Electrical Engineers

Wednesday—continued

2:00 p.m.—Illumination

(In Auditorium)

(Also Demonstration Lecture Wednesday Eve.,
briefly described on page 3.)

J. W. BARKER, Presiding

Characteristics and Uses of the Carbon Arc

W. C. KALB, National Carbon Co., Inc.

Aug., p. 1173

Low Pressure Gaseous Discharge Lamps

SAUL DUSHMAN, General Electric Co.

Aug., p. 1204; Sept., p. 1283

Incandescence—Some Theoretical Aspects

S. G. HIBBEN, Westinghouse Lamp Co.

Aug., p. 1201

2:00 p.m.—Electric Welding

(Room One, Fifth Floor)

H. M. HOBART, Presiding

Transient Voltages in Welding Generators

A. R. MILLER, Lehigh University.

Sept., p. 1296

Control of Transients in Welding Generators

F. B. HORNBY, General Electric Co.

Dec., p. 1598

A New Timer for Resistance Welding

R. N. STODDARD, Westinghouse Electric & Mfg. Co.

Oct., p. 1366

A High Power Welding Rectifier

DANIEL SILVERMAN, Arma Engineering Co., and J. H. COX, Westinghouse Electric & Mfg. Co.

Oct., p. 1380

High Velocity Streams in the Vacuum Arc

E. C. EASTON, Harvard University, F. B. LUCAS, formerly
Lehigh University, and F. CREEDY, University of British
Columbia.

Nov., p. 1454

8:15 p.m.—The Edison Medal and John Fritz Medal
Presentations—Demonstration Lecture

(In Auditorium)

(Admission by ticket only—no charge.)

(See details page 3)

Winter Convention

Thursday, January 24

10:00 a.m.—Electronics Symposium—I

(In Auditorium)

V. BUSH, Presiding

Theory of Multielectrode Tubes

H. A. PIDGEON, Bell Telephone Laboratories, Inc.
Nov., p. 1485

Cathode Ray Tubes and Their Application

J. M. STINCHFIELD, R.C.A. Radiotron Co., Inc.
Dec., p. 1608

Limits to Amplification

J. B. JOHNSON and F. B. LLEWELLYN, Bell Telephone Laboratories, Inc.
Nov., p. 1449

Electronic Devices in the Field of Measurements

J. W. HORTON, Massachusetts Institute of Technology.
Jan., p. 93

Vacuum Tubes as High Frequency Oscillators

M. J. KELLY and A. L. SAMUEL, Bell Telephone Laboratories, Inc.
Nov., p. 1504

10:00 a.m.—Cables

(Room One, Fifth Floor)

D. M. SIMMONS, Presiding

Dielectric Properties of Cellulose Paper—Parts I and II

J. B. WHITEHEAD, and E. W. GREENFIELD, The Johns Hopkins University.
Oct., p. 1389; Nov., p. 1498

Resistance and Reactance of 3-Conductor Cables

E. H. SALTER, Electrical Testing Laboratories, G. B. SHANKLIN, General Electric Co., and R. G. WISEMAN, Okonite Co.
Dec., p. 1581

Cable System Neutral Grounding Impedance

J. E. CLEM, General Electric Co.
Jan., p. 30

Transient Voltages on Bonded Cable Sheaths

HERMAN HALPERIN, Commonwealth Edison Co., J. E. CLEM, General Electric Co., and K. W. MILLER, Utilities Research Commission, Inc.
Jan., p. 73

Dielectric Strength of Mineral Oils

F. M. CLARK, General Electric Co.
Jan., p. 50

American Institute of Electrical Engineers

Thursday—continued

2:00 p.m.—Electronics Symposium—II

(In Auditorium)

V. BUSH, Presiding

Ratings of Industrial Electronic Tubes

O. W. PIKE, General Electric Co., and DAYTON ULREY,
Westinghouse Electric & Mfg. Co.

Dec., p. 1577

Industrial Electronic Control Applications

F. H. GULLIKSEN and R. N. STODDARD, Westinghouse
Electric & Mfg. Co.

Jan., p. 40

Application of Electron Tubes in Industry

D. E. CHAMBERS, General Electric Co.

Jan., p. 82

The "Thyratron" Motor

E. F. W. ALEXANDERSON and A. H. MITTAG, General
Electric Co.

Nov., p. 1517

The "Ignitron" Type of Inverter

C. F. WAGNER and L. R. LUDWIG, Westinghouse Electric
& Mfg. Co.

Oct., p. 1384

2:00 p.m.—Induction Motor Symposium

(Room One, Fifth Floor)

V. M. MONTSINGER, Presiding

Efficiency Tests of Induction Machines

C. C. LEADER and F. D. PHILLIPS, General Electric Co.

Dec., p. 1628

Power Losses in Induction Machines

P. M. NARBUTOVSKIY, Stanford University

Nov., p. 1466

Induction Motor Locked Saturation Curves

H. M. NORMAN, Fairbanks, Morse & Co.

Apr., p. 536

7:00 p.m.—Dinner - Dance - Buffet Supper

(Hotel Pierre, Fifth Avenue and 61st Street)

Tickets per person:— For the Dinner-Dance,
\$5.00; for the Dance-Buffer Supper, \$3.00; for
the Dinner-Dance-Buffer Supper, \$6.50.

(See details page 10)

Friday, January 25

(All day) Inspection Trips

(See pages 11, 12, and 13 for details.)

Winter Convention

CONVENTION FEATURES

(Continued from page 3)

Mr. Powell is so well-known in the illumination field that an introduction seems hardly necessary. There has not been a major development of any magnitude in this country for the last two decades or so with which he has not had some part, either directly or as a consultant. He has been associated with such installations as Radio City Music Hall, National Broadcasting Studios, Riverside Church, Century of Progress, etc. His ability to express the technical features of lighting in non-technical language has made him popular as a lecturer.

Dinner-Dance-Buffer Supper

The outstanding social event of the convention will be held Thursday, January 24, at the Hotel Pierre, Fifth Avenue and 61st St., New York. Dinner will be served in the Grand Ballroom at seven followed by dancing from nine-thirty until two—music by George Ellner's orchestra. From midnight until two-thirty a buffet supper will be served in the Corinthian Room. These are spacious, and the several lounge rooms for beverage service and for bridge and other games make pleasant surroundings.

Parking facilities in the neighborhood are good or, if desired, will be provided by the Hotel Pierre for a moderate fee. Tickets per person:—for the Dinner-Dance, \$5.00; for the Dance-Buffer Supper, \$3.00; for the Dinner-Dance-Buffer Supper, \$6.50. Tables will be set for 8 or 10 places. Please purchase tickets early and indicate desired seating arrangement.

Ladies Entertainment

During the convention the Alcove on the tenth floor has been reserved for the ladies' headquarters. In addition to the social events on the program arrangements have been made for a luncheon and bridge at the Engineering Woman's Club on Wednesday, January 23, at 1:00 p.m. On Thursday, January 24, at 2:30 p.m., there will be a visit to Good Housekeeping Institute, where tea will be served. On Friday, 2:00 p.m., a tour of Radio City will be made, including a visit to the British Room and tea. Arrangements have been made by the Ladies' Committee, Mrs. H. R. Woodrow, chairman.

INSPECTION TRIPS

The Inspection Trips Committee has arranged an extensive program covering new and interesting developments in many fields of engineering.

While Friday has been designated especially for inspection trips, a number of trips are planned for the other days to accommodate those whose attendance at the Convention may be of limited duration.

Members or their guests desiring to visit points of interest not listed below are requested to inquire at the Inspection Trips Desk where an effort will be made to make whatever arrangements may be required.

Information will be available on the various museums of art, science, and industry which may be visited.

Arrangements may be made through the Committee to join the regular tours of Rockefeller Center and the National Broadcasting Company at special rates.

REGISTRATION FOR TRIPS

It is urged that members and their guests register promptly for the scheduled trips so that the Committee may arrange in a satisfactory manner for the accommodation of all who may wish to participate.

Winter Convention

TRIPS ON TUESDAY, JANUARY 22

No. 1. Long Lines Department—American Telephone and Telegraph Co.

Inspection party will meet at Walker Street building, 32 Sixth Ave., at 2:00 P.M. Register by 1:00 P.M. and obtain ticket (no charge). Full information will be furnished at Desk.

No. 2. Radio Patrol System—N. Y. Police Department

Inspection party will meet at Police Headquarters at 2:30 P.M. Register by 1:00 P.M. and obtain ticket (no charge). The number which can be accommodated is limited. Full information will be furnished at Desk.

TRIPS ON WEDNESDAY, JANUARY 23

No. 3. Seatrain Lines, Inc., and Midtown Tunnel

Inspection party will leave Headquarters by bus at 9:15 A.M. Register by 4:00 P.M. Tuesday and obtain ticket (75 cents). Full information will be furnished at Desk.

No. 4. Warner Bros. Moving Picture Studios and Hudson Avenue Station

Inspection party will leave Headquarters by bus at 1:30 P.M. Register by 10:00 A.M. and obtain ticket (no charge). The number which can be accommodated is limited. Full information will be furnished at Desk.

No. 5. Sodium Vapor Street Lighting Installation on Jerome Ave.

Inspection party will leave Headquarters by bus at 4:15 P.M. Register by 1:00 P.M. and obtain ticket (no charge). Full information will be furnished at Desk.

TRIPS ON THURSDAY, JANUARY 24

No. 6. Lightweight "L" Trains and "Million Dollar Street Car"

Inspection party will assemble at Albee Square at 10:00 A.M. Register by 4:00 P.M. Wednesday and obtain ticket (no charge). Full information will be furnished at Desk. Trip includes rides on both the car and the trains.

No. 7. Electrical Research Products, Inc.

Inspection party will meet at 250 West 57th St. at 11:30 A.M. Register by 10:00 A.M. and obtain ticket (no charge). Full information will be furnished at Desk.

American Institute of Electrical Engineers

No. 8. Mercury Turbine—Kearny Generating Station

Inspection party will leave Headquarters by bus at 1:30 P.M. Register by 10:00 A.M. and obtain ticket (no charge). Full information will be furnished at Desk.

TRIPS ON FRIDAY, JANUARY 25

No. 9. Ford Motor Co., Okonite-Callender Cable Co., and Wright Aeronautical Corp. (All day trip)

Inspection party will leave Headquarters by bus at 9:30 A.M. Register by 4:00 P.M. Thursday and obtain ticket (\$1.50). The number which can be accommodated is limited. Full information will be furnished at Desk.

No. 10. Radio City Music Hall

Inspection party will meet at the Music Hall at 9:30 A.M. Register by 4:00 P.M. Thursday and obtain ticket (no charge). Full information will be furnished at Desk.

No. 2 (Repeated). Radio Patrol System—N. Y. Police Dept.

Inspection party will meet at Police Headquarters at 10:00 A.M. Register by 4:00 P.M. Thursday and obtain ticket (no charge). The number which can be accommodated is limited. Full information will be furnished at Desk.

No. 11. General Electric House of Magic

Shows will be given at Lexington Ave. and 51st St. at 11:30 A.M. and at 4:30 P.M. Ladies are particularly invited. Register by 10:00 A.M. and obtain ticket (no charge). Full information will be furnished at Desk.

No. 12. Newark Airport and Flight

Through the cooperation of Transcontinental and Western Air, Inc., members will fly over New York City in one of the new and luxurious Douglas Airlines.

Inspection party will leave Headquarters in automobiles at 1:30 P.M. Register by 4:00 P.M. Thursday and obtain ticket (\$3.50). Full information will be furnished at Desk.

No. 13. S.S. California—Panama Pacific Line

Inspection party will meet at Pier 61, N. R., at 2:00 P.M. Register by 10:00 A.M. and obtain ticket (no charge). Full information will be furnished at Desk.

No. 14. RCA Radiotron Co.—Harrison

Inspection party will assemble at Headquarters and leave promptly at 1:00 P.M. Register by 10:00 A.M. and obtain ticket (no charge). Full information will be furnished at Desk.

Winter Convention

OFFICERS OF A.I.E.E. 1934-1935

President

J. Allen Johnson

Junior Past Presidents

H. P. Charlesworth

J. B. Whitehead

Vice-Presidents

R. B. Bonney

F. M. Craft

A. H. Hull

F. O. McMillan

F. J. Meyer

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A. M. Wilson

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N. E. Funk

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A. H. Lovell

L. W. W. Morrow

A. C. Stevens

H. R. Woodrow

National Treasurer

W. I. Slichter

National Secretary

H. H. Henline

Technical Program Committee of A.I.E.E.

R. N. Conwell, Chairman

C. S. Rich, Secretary

J. W. Barker

H. S. Bennion

C. O. Bickelhaupt

H. C. Coleman

G. C. Dahl

W. F. Davidson

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L. A. Doggett

F. M. Farmer

H. B. Gear

W. S. Gorsuch

R. W. Graham

F. C. Hanker

W. H. Harrison

H. M. Hobart

B. D. Hull

L. C. Ilsley

D. M. Jones

W. B. Kouwenhoven

H. W. Leitch

V. M. Montsinger

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M. E. Reagan

D. M. Simmons

H. P. Sleeper

N. R. Stansel

H. M. Turner

M. R. Woodward

American Institute of Electrical Engineers

1935 Winter Convention Committees

General Committee

C. R. Jones, Chairman

| | |
|-------------------|-------------------|
| T. F. Barton | H. S. Osborne |
| C. R. Beardsley | D. M. Simmons |
| C. O. Bickelhaupt | W. R. Smith |
| R. N. Conwell | George Sutherland |
| A. F. Dixon | R. H. Tapscott |

Dinner-Dance Committee

C. S. Purnell, Chairman

| | |
|----------------|------------------|
| P. L. Alger | Thomas Maxwell |
| T. S. Bacon | J. A. McHugh |
| C. M. Gilt | J. H. Pilkington |
| J. E. Goodale | H. S. Sheppard |
| H. L. Huber | D. M. Simmons |
| W. A. Kietzman | W. R. Smith |

Inspection Trips Committee

S. A. Smith, Jr., Chairman

| | |
|----------------|----------------|
| G. E. Dean | H. B. Stoddard |
| Henry Kurz | E. R. Thomas |
| L. C. Miller | R. H. Twiss |
| W. J. Quinn | W. Y. Vedder |
| H. O. Siegmund | R. L. Webb |

Ladies' Committee

Mrs. H. R. Woodrow, Chairman

| | |
|----------------------|--------------------|
| Mrs. C. R. Beardsley | Mrs. H. H. Henline |
| Mrs. H. C. Dean | Mrs. A. H. Kehoe |
| Mrs. A. F. Dixon | Mrs. E. B. Meyer |
| Mrs. Thomas Fort | Mrs. G. S. Rose |

Smoker Committee

George Sutherland, Chairman

| | |
|-----------------|------------------|
| E. S. Banghart | William Jordan |
| R. F. Brower | J. E. McCormack |
| C. A. Butcher | H. C. Schlaikjer |
| G. D. Edwards | D. W. Taylor |
| W. H. Farlinger | E. F. Thrall |
| W. H. Harden | H. G. Wood |

L. A. Zima

Winter Convention

COMMITTEE MEETINGS and ROUND TABLE DISCUSSIONS

Monday, January 21

| | Room Assignments |
|-----------------------------------|---------------------|
| 9:30 A.M.—Technical Program | 1101 |
| 10:00 A.M.—Standards | 1001 |
| 12:30 P.M.—Finance | Engineers' Club |
| 2:15 P.M.—Board of Directors..... | 1001 |

Tuesday, January 22

| | |
|---|------|
| 9:00 A.M.—Instruments and Measurements..... | 1001 |
| 9:00 A.M.—Research | 1101 |
| 10:00 A.M.—Automatic Stations | 903 |
| 2:00 P.M.—Communication | 1001 |

Wednesday, January 23

| | |
|---|-------------------------|
| 9:30 A.M.—Electrochemistry and Electrometallurgy..... | 1001 |
| 12:30 P.M.—Student Branch Counselors (luncheon) Rutley's Restaurant..... | 1440 B'way |
| 2:00 P.M.—Electrical Machinery..... | Board Room - 15th floor |
| 2:00 P.M.—Power Generation | 903 |
| 2:00 P.M.—Noise Discussion | 603 |
| 2:00 P.M.—Transformer Discussion | 1001 |
| 2:30 P.M.—Power Transmission and Distribution..... | 1101 |

Thursday, January 24

| | |
|---|------|
| 9:30 A.M.—ASA Standards Subcommittee on Trans- formers and Other Induction Apparatus | 903 |
| 2:00 P.M.—Lightning Arrester Subcommittee of Com- mittee on Protective Devices..... | 903 |
| 3:30 P.M.—Induction Motor Test Code Discussion..... | 1001 |

Friday, January 25

| | |
|--------------------------------|------|
| 9:00 A.M.—Electrophysics | 1001 |
|--------------------------------|------|