American Institute of Electrical Engineers

WINTER CONVENTION

JANUARY 25-29
NINETEEN-THIRTY-SEVEN

SMOKER—Winter Convention Smokers have been increasing so in popularity that it has become a difficult problem to meet satisfactorily the ticket demand. This year the committee feels that the problem is solved, as the Grand Ballroom and West Ballroom at the Hotel Commodore have been engaged. Seated at tables of ten with ample space to move around, an excellent supper served by the experienced Commodore staff, and a satisfactory view for all of a full sized scope insures a pleasant evening. A better show is also being booked. The West Ballroom will be available as a lounge with service bar. To be sure of being among those present send your reservation to the Smoker Committee, A.I.E.E. Headquarters, at an early date. All tables reserved. Tickets will be $5.50 per person. Go to the Smoker, Tuesday eve., January 28.

EDISON MEDAL PRESENTATION—The 1936 Edison Medal presentation ceremonies are scheduled on Wednesday evening, January 27, at 8:15 p.m. Dr. Alex Dow was awarded the medal "for outstanding leadership in the development of the central station industry and its service to the public."

DINNER-DANCE—Continuing a social activity which has proven very popular a dinner-dance has been

(Continued on page 4)
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NOTE: Reference is given with each paper to the issue and page of ELECTRICAL ENGINEERING publication.

MONDAY

10:00 a.m. — Registration

2:00 p.m. — Opening of Convention
   (In Auditorium)
   Welcome to Members and Guests
   C. R. BEARDSLEY, Chairman, Winter Convention Committee
   Presentation of Alfred Noble Prize to Abe Tilles
   Address by President A. M. MacCutcheon
   The Technical Program
   H. S. OSBORNE, Chairman, Technical Program Committee

2:30 p.m. — Communication
   (In Auditorium)
   C. B. JOLLIFE, Presiding
   Currents and Potentials Along Leaky Ground-Return Conductors. E. D. Sunde, Bell Telephone Laboratories, Inc. . Dec., p. 1338

2:30 p.m. — Selected Subjects
   (Room One, Fifth Floor)
   O. S. BLACKWELL, Presiding
   Electronic Transient Visualizers. H. J. Reich, University of Illinois. Dec., p. 1314
   Proposed Transformer Standards. J. E. Clem, Chairman, 1934-36 Transformer Subcommittee. Jan., p. 32

TUESDAY

10:00 a.m. — Power Transmission
   (In Auditorium)
   C. T. SINCLAIR, Presiding

10:00 a.m. — Tensor Analysis
   (Room One, Fifth Floor)
   E. E. DRESE, Presiding
   Tensor Analysis of 3-Phase Circuits. A. Pen-Tung Sah, National Tsing Hua University. Aug., p. 876
   Complex Vectors in 3-Phase Circuits. A. Pen-Tung Sah, National Tsing Hua University. Dec., p. 1356

2:00 p.m. — Power Distribution
   (In Auditorium)
   C. T. SINCLAIR, Presiding
   Pole Flexibility as a Factor in Line Design. H. P. Seelye and Myron Zucker, The Detroit Edison Co. . Jan., p. 91
   Automatic Boosters on Distribution Circuits. L. M. Olimsted, Duquesne Light Co. . Oct., p. 1083

WEDNESDAY

10:00 a.m. — Induction Machinery
   (In Auditorium)
   J. L. HAMILTON, Presiding
   Induction Motors under Unbalanced Conditions. E. O. Lunn, Peterson & Cowan Elevator Co., Ltd. . April, p. 387
THURSDAY

10:00 a.m.—Electrical Machinery
(In Auditorium)
J. L. HAMILTON, Presiding


Abrasion—A Factor in Electrical Brush Wear. V. P. Hessler, Iowa State College. Jan., p. 8


10:00 a.m.—Electrophysics
(Room One, Fifth Floor)
R. C. MASON, Presiding

A-C Characteristics of Dielectrics—II. Alfredo Banos, Jr., The Johns Hopkins University. Dec., p. 1329


Calculation of Resistances to Ground, H. B. Dwight, Massachusetts Institute of Technology. Dec., p. 1319


2:00 p.m.—Instruments and Measurements
(In Auditorium)
H. C. KOENIG, Presiding


2:00 p.m.—Electric Welding
(Room One, Fifth Floor)
H. M. HOBART, Presiding

The Resistance Welding Circuit. C. L. Pfeiffer, Western Electric Co. Aug., p. 868

Demonstrations
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INSPECTION TRIPS—Preliminary arrangements have been made to visit a variety of very interesting places. Some of the trips during the week are complementary to the technical sessions while Friday has been set aside exclusively for inspection trips.

As only a very limited number of tickets can be secured for the General Electric Company “Hour of Charm” featuring Phil Spitalny and his all girl orchestra, out-of-town members should promptly indicate their desire for tickets when registering. This sponsored program is given in the National Broadcasting Company studies on Monday afternoon.

The Columbia Presbyterian Medical Center have invited us to see the 1,000,000 volt high-frequency X-ray generator in operation this year. This generator was seen by many members during construction last year. Other interesting trips have been arranged to plants manufacturing thermostat tubes, electrical instruments, welding equipment, and wire and cable. A sightseeing tour of New York also will be arranged if weather conditions are favorable. The schedule, which is subject to change, follows:

**Monday, January 25**
Sponsored broadcast, RCA Studios
Edison Wonder House

**Tuesday, January 26**
Public Service Electric & Gas Company—Mercury turbine
S. H. Kress & Company—Lighting and air conditioning
RCA Radionon Company
The M. W. Kellogg Company—Welding

**Wednesday, January 27**
Mackay Radio & Telegraph Co.—Ultra High Frequency Transmitter
Weston Electrical Instrument Corporation
Columbia Presbyterian Medical Center—Sloan X-ray generator

**Thursday, January 28**
Associated Press
Westinghouse Lamp Works
Board of Transportation, New York City—Power control board—Cable Testing Equipment
Brooklyn Naval Yard

**Friday, January 29**
New York Stock Exchange
“Monarch of Bermuda”
Hastings-on-Hudson Mill, Anacostia Wire & Cable Company
Warner Brothers Moving Picture Studio
National Broadcasting Company Studios
Museum of Science and Industry

**Saturday, January 30**
Post-Convention Bermuda Cruise (See enclosed circular for details)
In addition to scheduled inspection trips, the committee will be pleased to make special arrangements for other visits by individuals and small groups. A list of possible places of interest will be available at the committee desk during the convention.

TECHNICAL CONFERENCES—During the convention a number of technical conferences will be held. Those which have already been scheduled are as follows:

1. Network Analysis and Synthesis
2. Committee on Education
3. Noise Conference
4. The Performance Standards, Synchronous Machinery, Induction Machinery, and D-C Machinery Test Codes.

These conferences are intended for specialists to meet and discuss subjects informally without publication of the papers or discussions.

DINNER-DANCE (Continued from first page cover) scheduled for Thursday evening, January 28, at the Hotel Astor, Broadway between 44th and 45th Streets, New York. A combination dinner, dance and buffet supper again will be featured.

The flexibility of this arrangement will provide a very pleasant evening which may be enjoyed by all according to their tastes, in one of New York's most popular hotels. The Astor has been entirely redecorated and refurbished, making the surroundings more luxurious than ever. The Grand Ballroom and adjacent facilities will be reserved for the Institute’s members and guests. Music will be furnished by George Elmer’s Orchestra, artists of symphonic arrangements.

The program is: Dinner 7:00—Dancing 9:00 to 2:00—Buffet Supper 1:00 to 2:00. Tickets per person: For the Dinner-Dance $5.00; for the Dance-Buffet Supper $3.00; for the Dinner-Dance-Buffet Supper $6.50. Early purchase of tickets is requested in order to assist the committee. Dinner reservation requests should indicate names of guests and the desired seating arrangement. Tables will be set for 8 or 10 places and every effort will be made to comply with requests.

Reservation requests should be sent to the A.I.E.E. Dinner Dance Committee, 33 West 39th Street, New York, N. Y., and checks made payable to Mr. H. H. Henline, National Secretary.

LADIES’ ENTERTAINMENT

The ladies attending the Winter Convention this year are assured of plenty to occupy their time.

The Ladies Entertainment Committee, under the chairmanship of Mrs. George Sutherland, is rapidly completing the details of a most attractive program, Monday, January 25, the first day, will be devoted to registration at the Ladies’ headquarters on the 10th floor. On Tuesday several novel and interesting tours are scheduled with attendance at a broadcast for the evening. On Wednesday there will be luncheon and bridge at the Engineering Woman’s Club, and the Edison Medal presentation in the evening. Thursday will be devoted to a visit to the Edison Wonder House with the Dinner-Dance at the Hotel Astor for the evening. On Friday a visit is arranged to the Morgan Library. This will necessarily be for a limited group. If demand warrants, a visit to the Planetarium will also be provided.

REGISTER IN ADVANCE—Please fill in and post promptly the enclosed MAIL REGISTRATION CARD. This will permit the committee to have badges ready and prevent congestion at the registration desk upon arrival. A registration fee of $2 will be charged all non-members, except Enrolled Students and the immediate families of members.

H. H. HENLINE, National Secretary.

1937 Winter Convention Committee

C. R. Beardsley, Chairman
H. E. Farrar, Secretary
T. F. Barton A. G. Oehler S. A. Smith, Jr.
O. B. Blackwell C. S. Farnell George Sutherland
E. E. Dorting F. P. West

Chairmen of Subcommittees
C. M. Gill (Dinner-Dance) E. R. Thomas (Inspection Trips)
E. S. Banghart (Smoker)
Mrs. George Sutherland (Ladies’ Entertainment)

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