



the MONITOR

News of the New York Section, IRE

VOLUME 2

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NUMBER 7

CALENDAR NOTES

New York Section Meeting - March 2, 1955

cosponsored by
The Radio Club of America

and

The Professional Group on Production Techniques
MODERN INSULATING MATERIALS & DIELECTRICS

(See Page 4)

by Beely and D. F. Christensen

Presentation of New York Section Fellow Awards

Monmouth County Subsection

March 9, 1955, field trip to Bendix Plant, Eatontown, New Jersey

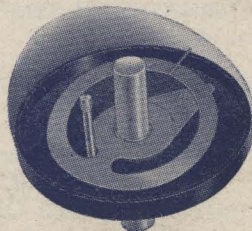
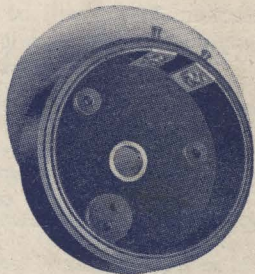
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FELLOW AWARDS

Members of the New York Section who will receive Fellow Awards at the March 2 meeting are:

BULLINGTON, KENNETH

For his contributions to the field of radio propagation.

COOLEY, A. G.

For his contributions to facsimile transmission methods.

COWAN, F. A.

For his contributions to long-distance communication, particularly in the development of television network facilities.

RAGAZZINI, J. R.

For his contributions in the fields of computers and control systems and as a teacher of these subjects.

The awards will be presented by Mr. John N. Dyer, Regional Director. A pre-meeting dinner will be held at 6:00 P. M., Midston Grill, 22 E. 38th Street. Everyone is welcomed to attend. No reservations necessary.

The Subsection Award will be made at the Subsection meeting, and it is as follows.

Monmouth Subsection:

OHL, R. S.

For his contributions to the development of solid state point contact rectifiers.

INTERNATIONAL SYMPOSIUM ON

MODERN NETWORK SYNTHESIS, II

This symposium forms a part of the celebration program commemorating the 100th ANNIVERSARY of the POLYTECHNIC INSTITUTE OF BROOKLYN. It will be held on April 13, 14 and 15, 1955, at the Engineering Societies Building (33 West 39th Street) in New York City as the fifth in a series organized by the Microwave Research Institute of P. I. B. More information will be available in the next issue of the Monitor.

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IRE MEETING

NEW YORK SECTION

JOINT MEETING WITH THE RADIO CLUB OF AMERICA

"Modern Insulating Materials and Dielectrics"

Engineering Societies Building
29 West 39th Street
New York City

WEDNESDAY - March 2, 1955
7:30 P. M.

Social Hour with Refreshments
Starts at 7:00 P. M.

Many Members Meet at a Pre-Meeting
Dinner at the Midston Grill
22 E. 38th St. at 6:00 P. M.

WOW - it's HOT! Many equipment designs are operating at temperatures greatly beyond what was considered safe practices in the past. The requirements of smaller bulk and higher ambients have forced all designers to consider very carefully all insulating materials used. The chemical industry has helped fill the need with the development of a host of new products having greater possibilities.

This session will be devoted to the characteristics of some of these materials discussed by development engineers of two companies that have been active in the field, Dow Corning Corp., and DuPont. It has been arranged by the Professional Group on Production Techniques of the I.R.E. in cooperation with the Radio Club of America.

The first paper will be presented by Donald F. Christensen, of the Dow Corning Corp., entitled "Silicone Dielectric Materials and their application in the Electronic Industry". He will present the broad family of silicones, including varnishes, rubbers, fluids and compounds, as well as the latest development in these products. A review of the electrical properties of the materials is in-

cluded, with particular reference to possible applications in the electronic field.

This will be followed by a paper by Mr. B. E. Ely, of the Polychemicals Department of the E. I. DuPont de Nemours and Company, of Wilmington, Delaware, who will cover a group of new plastics used in this field, particularly Teflon, and will discuss their characteristics as of interest to the electronics field. The properties of Zytel (a nylon), mylar, and other materials will be included.

THE SPEAKERS:



Bert Ely is with the Development and Service Section of the Polychemicals Department of DuPont. He graduated in Chemical Engineering at Cornell University in 1947, and took graduate work at Brooklyn Polytechnic Institute, and at

the University of Delaware, in Chemical Engineering. Started work at DuPont with research on several plastics, and has been a Product Specialist on Teflon since 1951.



Mr. Donald F. Christensen is an electrical engineer with Dow Corning Corp., in the product development laboratory. He secured a Degree in Electrical Engineering at the University of Michigan in 1951. He served as a Second Lieutenant in the Air Forces from 1943 through 1945. He is a member of the ARRL. Mr. Christensen has delivered many papers to the industry relating to the use of Silicones in its various forms.

PROFESSIONAL GROUP ON COMPONENT PARTS NEW YORK CHAPTER

On Thursday, March 3, 1955, engineers of the Capacitor Department, General Electric Company, will speak on

A FORWARD LOOK AT TANTALYTIC CAPACITORS

by D. F. Warner

RECENT ADVANCES IN PULSE FORMING NETWORKS

by L. W. Swett and A. A. Tiezzi

The meeting will be held at the General Electric Auditorium, 570 Lexington Avenue (at 51st Street), New York City, at 7:45 P. M.

The meeting is open to all I.R.E. members and guests.

NOMINATION OF CANDIDATES FOR THE 1956 IRE AWARDS

The New York Section requests your assistance in nominating candidates for the 1956 I.R.E. Awards. Kindly submit suggestions on standard forms available from I.R.E. Headquarters to:

MR. R. R. BATCHER
240-02 - 42nd Avenue
Douglaston, L. I.,
New York

Chairman of the New York Section's 1955 Awards Committee. The deadline is March 31, 1955.

Nominations are desired for

- the Medal of Honor
- The Morris Liebmann Memorial Prize Award
- the Harry Diamond Memorial Award
- the Vladimir K. Zworykin Television Prize Award
- the Founders Award
- the Fellow Grade

AIEE STUDY GROUP

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NEW YORK SECTION INSPECTION TRIP

A. T. and T. Long Lines Headquarters

An inspection tour of the Long Lines Headquarters Building of the American Telephone and Telegraph Company located at 32 Avenue of the Americas, New York City, will be held on Thursday evening, April 14, 1955, starting at 7:00 P. M. Plans have been made to visit the following locations:

1. The Overseas Operating Room where the telephone subscribers in the United States, Canada, Cuba and Mexico are connected by radiotelephone circuits to 139 countries and territories throughout the world.
2. The Overseas Control Office where technical operators maintain the radiotelephone circuits used by the overseas operators.
3. The Marine and Mobile Switchboards where radiotelephone calls are being handled to and from automobile, trains, yachts, tugboats and airplanes.
4. The Technical Control Terminal for the marine and mobile service.
5. Television Operating Center interconnecting 395 stations in 267 cities.
6. Program Transmission Terminal where the radio broadcasting stations are connected and the audio for the television stations.

Because of the nature of the locations to be visited on the tour, it is necessary to limit the size of the group. All members interested in attending are urged to apply for tickets as soon as possible. Write to

IRE INSPECTION TRIP COMMITTEE
55 Johnson Street
Brooklyn 1, N. Y.

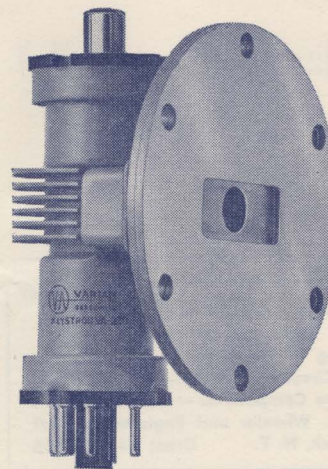
Include a self-addressed stamped envelope. Requests will be handled in the order received.

It will be necessary for attending members to sign a guest register and secure building passes. This will be done in the auditorium off the main floor lobby at 7:00 P. M. The above tour should take approximately two hours.

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April IRE Meeting - N. Y. Section

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