



the MONITOR

News of the New York Section, IRE

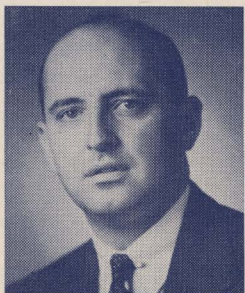
VOLUME 1

DECEMBER, 1953

NUMBER 4

COLOR TELEVISION—Wednesday, December 2, 7:30 P. M.

Engineering Societies Bldg., 33 W. 39th St., Main Auditorium.



Donald G. Fink

DONALD G. FINK has been director of research (radio, television and appliances) at the Philco Corp. since 1952. He received a B. Sc. degree in electrical engineering from M.I.T. in 1933, and a M. Sc. in electrical engineering from Columbia University in 1942.

From 1934 to 1952, Mr. Fink served on the editorial staff of Electronics maga-

COLOR TELEVISION — ITS CHALLENGE TO THE ENGINEER by Donald G. Fink, Philco Corp.

Television engineers are preparing themselves for the design and production of practical color television receivers and studio equipment. This paper assigns priorities to the technical problems which must be overcome, listing the "musts" in color equipment design for use in the immediate future as well as longer range objectives. The 22 NTSC standards are reviewed and their relationship to design and production problems is discussed.

zine, and was editor-in-chief from November, 1946, until he joined Philco. During his stay with Electronics, he had numerous leaves of absence to serve in various specialized positions both in this country and abroad. A Fellow of the IRE and AIEE, he has been active on many committees and has written a number of books and articles.

PRE-MEETING DINNER—6:00 P. M., Midston Grill, 22 E. 38th St. Everyone welcome—no reservations necessary.

SOCIAL HOUR—7:00 P. M., just outside main auditorium. Light refreshments will be served.

CALENDAR

DECEMBER 1 - Professional Group on Computers (page 2)

DECEMBER 8 - Long Island Section (page 3)

DECEMBER 9 - Northern New Jersey Subsection (page 3)

DECEMBER 15 - Mid-Hudson Subsection (page 3)

JANUARY 6, 1954 - New York Section, "Communications for Civil Defense," by F. R. Schlieper, New York Telephone Company.

PROFESSIONAL GROUPS

The New York Section Professional Group on Electronic Computers is holding an organizational meeting on Tuesday, Dec. 1, at the International Business Machines Corp., 590 Madison Ave. The meeting will be held at 8:00 P. M. in the Club Room on the second floor, and will be followed by a demonstration and movie on the IBM 701 computer. Anyone interested in joining the Professional Group on Computers should plan on attending this organizational meeting.

A Professional Group on Aeronautical and Navigation Electronics is now in the process of formation. If you are interested in this Group, contact K. C. Black, Polytechnic Research & Development Corp., 55 Johnson St., Brooklyn 1, N. Y., or R. J. Bibbero, Hillyer Instrument Co., Inc., 54 Lafayette St., New York 13.

LECTURE SERIES

Our Lecture Series chairman is busily engaged in organizing an outstanding series of lectures on Color Television. This series will be presented sometime in the spring, with the tentative dates being six successive Monday evenings starting March 15 (except for the week of the IRE Convention). Watch for further details.

MEMBERSHIP

Our Membership Chairman, Frank Marble, of the Boonton Radio Co., Boonton, N. J., is anxious to give out information regarding membership or upgrading. If you know someone eligible for membership, turn his name in to Mr. Marble. If you want information on upgrading your membership, he will be glad to provide it.

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RETMA MOVES

The RETMA Engineering Department, under the supervision of chief engineer Ralph Batcher, has expanded its New York staff and has moved to larger quarters. New address is 500 Fifth Ave., and the new telephone number is Longacre 5-3450.

LONG ISLAND SECTION

George C. Higgins of the Eastman Kodak Co. will be the speaker at the Dec. 8 meeting. His subject will be "Some Factors Affecting the Quality of Definition in the Photographic Reproduction." Meeting place is the Stewart Ave. School, corner of Clinton Rd. and Stewart Ave., Garden City, L. I., and the time is 8:00 P. M. Pre-meeting dinner—Felice's, Post Ave. and Old Country Rd., Westbury, 6:00 P. M.

A lecture series is being planned for the Long Island Section on the general subject of equipment design from the nonelectronic point of view. Thermal, mechanical, and human engineering problems will be discussed.

SUBSECTION MEETINGS

Northern New Jersey

G. P. MCCOUCH, Chairman
F. A. POLKINGHORN, Vice-Chairman
W. R. THURSTON, Secretary
H. R. TERHUNE, Treasurer

Speaker at the Dec. 9 meeting will be Prof. Samuel Mason of M.I.T. He will speak on "Elementary Electronic Circuit Analysis from an Advanced Standpoint, or Perhaps the Other Way Around." Selected examples, rescued from the boneyard of circuit analysis, revived and refurbished. A riot of confusion for young and old! Place: Hillside School, Orange Rd. and Hillside Ave., Montclair, N. J. Time: 8:00 P. M.

Monmouth

O. D. PERKINS, Chairman
W. M. GOODALL, Vice-Chairman
E. MASSELL, Secretary-Treasurer

No meeting has been scheduled for December. The January meeting will be held on Jan. 20, at which time Mr. Hull of the Signal Corps will talk on "Backward Wave Oscillators."

Mid-Hudson

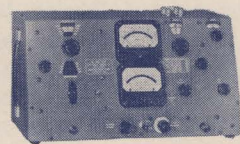
D. SALING, Chairman
J. HICKERSON, Vice-Chairman
E. A. KELLER, Secretary-Treasurer

The December meeting will be held on Tuesday, the 15th, at the Nelson House. The program will be presented by Burlingame Associates.

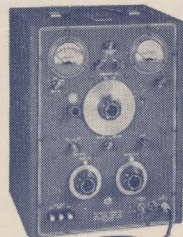
ELECTRONIC MEASURING INSTRUMENTS



Q-METER
TYPE 190-A



Q METER
TYPE 260-A



FM-AM
SIGNAL GENERATOR TYPE 202-B



RX METER
TYPE 250-A

RX Meter

Impedance Measurements

Q Meters

Low, Medium and High
Frequencies
Very High Frequencies

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SYMPOSIUM

A very interesting Symposium is being planned for the latter part of January—probably Jan. 23. It will consist of talks, movies, and round-table discussions on the automatic production of electronic equipment. Complete details will be included in the next issue of The Monitor.

SOCIAL HOUR

Come early to the next meeting and enjoy a brief get-acquainted meeting just outside the main auditorium. Light refreshments will be served from 7:00 to 7:30. Those who attended the social hour in November report that they had a good time.

Laboratory Standards



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