

Foreword

In the spring of 1955 the Administrative Committee of PGMTT was looking for a new place to hold the yearly technical meeting of the group. The writer was present at the meeting where possible places were discussed, and he was asked whether he thought a meeting in Philadelphia could be arranged. The idea of holding a local meeting devoted to microwave relays had already been discussed by him with others of the Philadelphia area, and accordingly it seemed as though the situation demanded that the national and local meetings be combined. Presentation of the idea to the Executive Committee of the Philadelphia Section resulted in their approval and agreement to participate as a co-sponsor. Later, the PGAP also agreed to co-sponsor the meeting.

At the first meeting of the organizational group it was agreed that a symposium on microwave techniques would have more appeal than one devoted entirely to relays, and the date was set for February 2-3, 1956. The general plans were outlined accordingly, and the Committee Chairmanships agreed upon. The Steering Committee consisted of the following members.

- R. F. Schwartz, *Chairman*,
Moore School of Electrical Engineering,
University of Pennsylvania.
- Charles Polk, *Arrangements Committee*,
Moore School of Electrical Engineering,
University of Pennsylvania.
- J. B. Williams, *Finance Committee*,
Government and Industrial Division.
- D. R. Crosby, *Technical Program Committee*,
Radio Corporation of America.
- S. M. King, *Secretary and Publicity Committee*,
I.T.E. Circuit Breaker Company.
- I. L. Auerbach, *Treasurer*,
Burroughs Corporation.

E. I. Hawthorne, *Section Liaison*,
Moore School of Electrical Engineering,
University of Pennsylvania.
(Later replaced by J. B. Williams).

W. N. Sharpless, *PGAP and PGMTT Liaison*,
Bell Telephone Laboratories.

Ben Warriner, *PGMTT Liaison*,
General Electric Advanced Electronic Center.

D. D. King, *PGMTT Liaison*,
Johns Hopkins University.

Sanford Hershfield, *PGAP Liaison*,
Glenn L. Martin Company.

N. I. Korman, *Advisor*,
Radio Corporation of America.

Twenty-seven papers were selected from among the forty-two received as being of sufficiently general interest for the meeting. Sessions were devoted to microwave components, antennas, guided transmission, scatter propagation and radiation, ferrite theory, and ferrite components. Of particular interest was the panel discussion on guided transmission, in which authorities on a number of different types of transmission lines presented their respective viewpoints. Considerable discussion followed.

Thanks are due to all the members of the steering committee for helping to plan the symposium; to the chairman and members of the subcommittees who worked out the details for meeting; to the Moore School of Electrical Engineering for acting as host and making possible the securing of certain facilities; to the Physics Department, University of Pennsylvania, for the use of their auditoria; to I.T.E. Circuit Breaker Company for their aid in publicity and supplying a photographer; to Radio Corporation of America and the Philco Corporation for helping to support the cocktail party.

RICHARD F. SCHWARTZ,
Chairman, Microwave Symposium.