

## FOREWORD

The TRANSACTIONS of the PGMTT is the organized technical publication of its membership. The technical papers which are presented in this publication are given the same careful attention as papers published in the PROCEEDINGS of the Institute of Radio Engineers, and, with the cooperation of the members of this professional group and the support of the Institute, we are certain that the TRANSACTIONS will become one of the most important publications in the field of Microwave Theory and Techniques.

### Organization

The operation of the Professional Group on Microwave Theory and Techniques is under the guidance of the Administrative Committee, constituted as follows for the year 1954:

#### Officers:

A. G. Clavier, Chairman  
W. W. Mumford, Vice-Chairman  
H. F. Engelmann, Secretary-Treasurer

#### Members:

Henry Jasik	C. W. Chandler
Harry B. Marvin	P. D. Coleman
Theodore S. Saad	D. D. King
Harald Schutz	J. G. McCann
G. C. Southworth	G. A. Rosselot
A. C. Beck	L. D. Smullin

Ben Warriner

The officers of the PGMTT serve for one year beginning July 1, 1953. The group was organized in 1952 under the chairmanship of Mr. Ben Warriner.

### Membership

All IRE members whose interest is in the microwave field are eligible for membership in the PGMTT. A membership assessment of \$2.00 per year assures the members a copy of TRANSACTIONS and all other publications of the group, as well as the Microwave Section of the Convention Record. The aim of the TRANSACTIONS is to serve the professional microwave engineer and every effort is made to publish only the papers meeting the highest professional standards. The Group Chairman of the Membership Committee is Mr. T. S. Saad (Sylvania Electric Products Company, 100 Sylvan Road, Woburn, Massachusetts).

### Group Chapters

At this publication, two professional group chapters have been organized, i.e., Chicago Chapter and Albuquerque-Los Alamos Chapter, and every effort should be made by the members to take an active interest in the

activities of these chapters. Many other chapters must be formed and Dr. Harald Schutz (Glenn L. Martin Company, Baltimore 3, Maryland), Group Chairman of the Sectional and Chapter Activities Committee, is ready to help organize these chapters.

#### TRANSACTIONS Papers

Papers for the TRANSACTIONS should be submitted to the Chairman of the Papers Procurement Committee, Mr. A. C. Beck (Bell Telephone Laboratories, Inc., Box 107, Red Bank, New Jersey). It should be noted that publication in the TRANSACTIONS does not preclude publication in the PROCEEDINGS of the I.R.E.

The publication of papers for the TRANSACTIONS is under the direction of Mr. W. W. Mumford (Bell Telephone Laboratories, Inc., Whippany Road, Whippany, New Jersey), Chairman of the Publications Committee.

We would like to thank Professor John R. Whinnery from the University of California, for forwarding several of the papers which were presented at the West Coast Convention for publication in this issue of the TRANSACTIONS.

#### Fall 1953 Symposium (the Microwave Radio Relay Systems Symposium)

A joint symposium with the Communications Systems Group, Electron Devices Group and the Microwave Theory and Techniques Group was held in the Western Union Auditorium, 60 Hudson Street, New York on November 5-6. A forthcoming issue of the TRANSACTIONS will include all papers which were presented at this symposium.

#### Technical Program Committee for the 1954 IRE Convention

Mr. Ben Warriner, our past Chairman, has kindly consented to serve on the Technical Program Committee for the 1954 IRE Convention.

#### Spring 1954 Microwave Symposium

The PGMTT will hold a Microwave Symposium sometime during May, 1954 (exact date to be announced later). We would like this to be a Milli-Meter Wave Symposium, and we would therefore like to urge all our readers who would like to present a paper at this symposium to contact Mr. A.C. Beck, Chairman of the Papers Procurement Committee.

#### Group Status

In January, 1953 the Group had a total of 942 members, of whom 471 had paid their publication assessment. By November 4, 1953, the Group membership had increased to a total of 1446 members with 1064 paid members. The Group balance as of September 30 was \$2,817.57, which will be used mainly for publications during the coming year.