

FOREWORD



L. H. Hansen



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Co-Chairmen
STEERING COMMITTEE

The Chicago Chapter, GMTT, takes pleasure in welcoming, for the first time, the IEEE - GMTT International Microwave Symposium to the Windy City. With these greetings from your steering committee comes the hope that your visit in Chicagoland will be both enjoyable and technically rewarding.

The theme for the 1972 Microwave Symposium is "Microwave International." The international aspects of the Symposium are, of course, not new. However, the 1972 Symposium will emphasize the international character of the microwave field. The technical program reflects this international character with papers from eleven countries. The Monday evening panel session "Microwave State-of-the-Art International" will provide a series of brief reports by authorities from several nations on recent significant contributions to the microwave art.

The technical program of 70 contributed and 13 invited papers covers the full range of topics found in recent Symposia. In addition, a full session is devoted for the first time to "Gigabit Data Rate Applications." Other sessions include active and passive devices, measurements, acoustics, new commercial/industrial applications, low noise receivers, waveguide techniques, integrated circuits, computer-aided design and ferrite devices.

Symposium attendees will hear a significant and timely talk at the annual banquet on Tuesday evening. Mr. William M. Magruder, Special Consultant to the President of the United States, will speak on "Technology and National Goals." Mr. Magruder directs the "New Technology Opportunities Program," a program established by the President to address the technological capabilities of the nation to domestic problems.

An exhibit program has been initiated at the 1972 Microwave Symposium. Booths are located on the level immediately below the technical meeting rooms. Near the exhibit area, attendees may view the Microwave Historical Exhibit, a pictorial display of earliest and latest products and devices by several microwave companies.

Many events of our time are changing the perspective that the microwave engineer has of himself and his profession. It is hoped that the 1972 Microwave Symposium will aid in the exploration of another dimension of that perspective; namely, that the microwave engineer is a citizen of a truly international community. Similar challenges, opportunities and technological limitations are faced by microwave engineers in many nations around the world. To the extent that this symposium serves to improve communication between microwave engineers with common interests, your steering committee will be satisfied that its efforts have been worthwhile.

It is not possible here for your Co-Chairmen to acknowledge adequately the monumental efforts of Steering Committee, Technical Program Committee and ADCOM members towards making this Symposium a reality. These individuals are identified in this Digest. We hope that you will find the Symposium beneficial and that you will join with us in making your appreciation known to these persons individually.