

WELCOME TO THE 1983 INTERNATIONAL SYMPOSIUM

On behalf of the members of the Steering Committee it gives me great pleasure to welcome you to the 1983 IEEE MTT-S International Microwave Symposium. I am confident that you will enjoy your stay in Boston and that you will find the Symposium and its related activities to be informative and entertaining.

Once again this year the MTT-S Symposium is being jointly held with the Microwave and Millimeter Wave Monolithic Circuits Symposium. A joint session of both Symposia will be held on Wednesday morning. The Technical Program consists of 166 papers, which will be presented in three parallel sessions on each of the three days of the Symposium, in addition to two Open Forum Sessions on two afternoons of the Symposium with no conflicting activities.

The use of Open Forum Sessions has been a successful experience at other Symposia; however, it has never been tried by the MTT-S. Every effort has been made to pick papers for the Open Forum Sessions which we felt would be enhanced by presentation in this format. You will also find the Open Forum papers printed in this Digest in a conventional format. Both the Steering Committee and the MTT-S ADCOM would appreciate your comments, both pro and con, on this new form of presentation.

In addition to the regular presentation of papers, there will be four workshops and two panel sessions during the Symposium. These are:

1. Broadband Matching and Design of Microwave Amplifiers (May 30th)
2. Modern Mixer Technology (May 31st)
3. Hyperthermia for Cancer Treatment (May 31st)
4. Automated RF Techniques (June 6th and 7th)

The Two Panel Sessions Are:

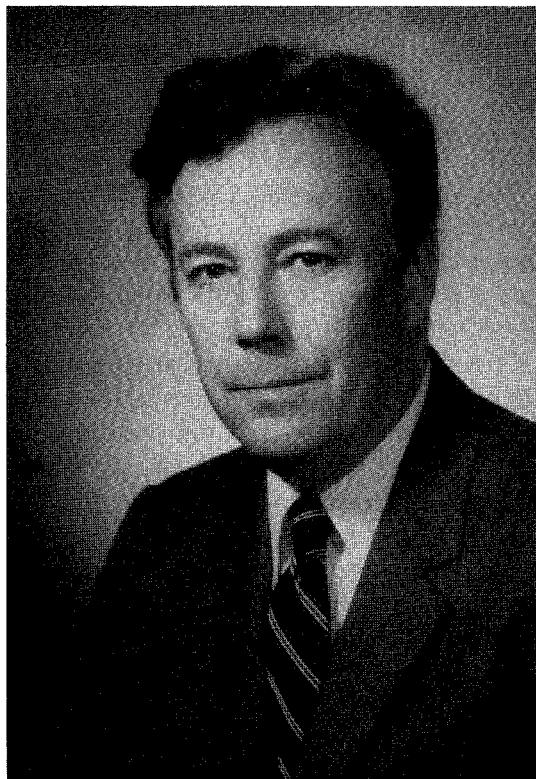
1. Commercial Application of Microwaves
2. Are Active Aperture Systems Here At Last?

Both will be held Wednesday evening, June 1st.

On Thursday evening a complimentary exhibitors cocktail party will be followed by the Annual Awards Banquet. The following people will be honored for their contributions to the microwave field:

- Microwave Career Award: Mr. Marion Hines
- Microwave Applications Award: Mr. Les Besser
- Microwave Prize: Mr. Kazuhiko Honjo and Dr. Yoichiro Takayama
- Distinguished Service Award: Mr. Theodore S. Saad
- Distinguished Lecturer's Award: Dr. Joseph A. Giordmaine

We will also be honoring our newly elected MTT-S Fellows of the IEEE.



Harlan Howe, Jr.
Steering Committee Chairman

After the presentation of the awards, attendees at the Banquet will have the opportunity of hearing Dr. Carl Sagan who will present us with a special talk entitled "In Search of Extraterrestrial Intelligence." Dr. Sagan is an oft quoted scientist and writer and is immediately recognizable for his unique 13-part television series, COSMOS. He has also personally played a leading role in the Mariner, Viking, and Voyager space explorations.

In recent years the Historical Exhibit, under the guidance of Ted Saad, has become increasingly popular. This year we have expanded it again and put it in an extremely convenient location, between the Technical Sessions and the Exhibition. The Exhibition has also grown to more than 200 exhibitors representing a broad cross section of the International Microwave Industry.

The cultural and historical richness of the Boston area has given the Committee an opportunity to create a memorable social program. It begins with a Museum Reception, held the evening before the opening of the Symposium, and continues with daytime and evening tours and activities. We have also made arrangements for a special Guest Hospitality Suite which will be open between 8 AM and 6 PM each day of the Symposium. The suite will be manned by professional tour guides. Maps, brochures, and personally designed walking tours as well as a continuous color slide show are available to help plan personalized outings in Boston. A complimentary guest continental breakfast will be served each morning in the suite and coffee will be available throughout the day.

The planning and execution of this Symposium has required a great deal of work from the members of the Steering Committee. The Committee members, without exception, have made their contributions in a thoroughly efficient and professional manner. They have made my job a pleasure. I would like to take this opportunity to thank them all.

Harlan Howe, Jr.
Steering Committee
Chairman
1983 MTT-S Symposium