

1974 IEEE S-MTT INTERNATIONAL MICROWAVE SYMPOSIUM  
DIGEST OF TECHNICAL PAPERS

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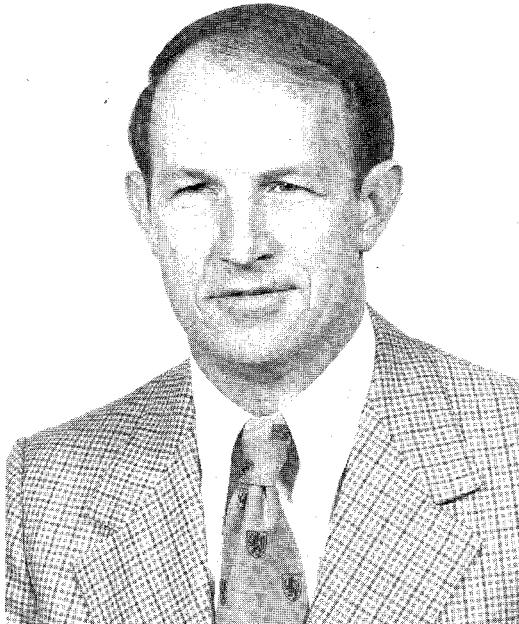
The Steering Committee for the 1974 Microwave Symposium takes pleasure in welcoming you to Atlanta and Georgia Tech. This year the Atlanta Joint Chapter of MTT and AP has the unprecedented privilege of sponsoring not only the Microwave Symposium, but also the AP Symposium and URSI Meeting. In addition, the Conference on Submillimeter Waves and the Twelfth Symposium on Electromagnetic Windows are meeting on the Georgia Tech Campus -- and all within a ten day period. These ambitious undertakings started as a great experiment in togetherness, and we await with interest the experimental results. Attendees at these meetings have an unusual opportunity to meet their fellow workers in related fields and to "browse" in a large variety of sessions.

Over one hundred-fifty contributed papers were submitted to our Program Committee, and as a result three parallel sessions are being held on most days of the Microwave Symposium. On Wednesday, a day of overlap of the AP and MTT Symposia, several joint AP-MTT Sessions are scheduled as noted herein. On that day a total of over twenty different technical sessions are being offered on the campus. We all hope that the technical rewards surpass the potential confusion.

We are privileged to have IEEE President, John Guarnera, as our keynote speaker in the opening session. He is also a participant in the Technology Assessment and Forecasting Sessions that follow. Dr. C. L. Hogan, President of Fairchild Camera and Instrument Co., will be the Banquet Speaker. It is noteworthy that something over 20 years after Les Hogan's historic paper on the microwave gyrator, the sessions on microwave ferrites continue their activity. At this year's banquet MTT will honor its first Microwave Career Award winner, W. W. Mumford, and the first Microwave Applications Award winner, E. G. Cristal.

This is the first time our symposium has met in Atlanta, and one of the few times it has met in the South. We hope that your stay will be stimulating technically and pleasant socially.

Finally, I'd like to express my appreciation to those members of the Steering Committee who contributed so generously of their time in helping to bring about this symposium. The concentration of meetings has posed some monumental problems of coordination and has taxed the available "volunteer labor force." Those Steering Committee individuals and their respective companies listed elsewhere in this digest have made it all possible.



G. P. Rodrigue  
Chairman, Symposium Steering Committee