

## Editor's Overview

**T**HIS Issue includes a review of the highlights of the 1979 International Microwave Symposium and a sampling of the 172 technical papers presented at the meeting. Also included are a summary article on the winners of the 1979 MTT awards, and acknowledgments to many of the individuals who devoted their efforts to making the Symposium a success.

This year the Symposium theme was the "World of Microwaves," consistent with both the scope and variety of the technical program, as well as the themes of the major local entertainment centers near Orlando. As Dr. Henning points out in his article, the Symposium was a success, as measured by the record attendance, number and quality of papers, and number of exhibits. The customary international flavor was reflected again, with the usual strong Japanese session and numerous papers

from many other countries. The Workshops, too, were highly successful.

The limited number of articles included in this issue represents only fifteen percent of the summaries in the *Symposium Digest*. Hopefully, others will be selected for later issues of this TRANSACTIONS to preserve a broader summary of the microwave world of 1979.

Dr. J. Lamar Allen and I would like to thank the authors, session chairmen, organizers, reviewers, Technical Program Committee, and others who worked so hard in helping to put together the program and this issue. In particular I would also like to thank my secretary, Ms. Ann Mintz, for her dedicated efforts in putting this issue together.

JAMES C. WILTSE  
Guest Editor



**James C. Wiltse** (S'48-A'53-SM'59-F'74) was born in Tannersville, NY. He received the B.E.E. and M.E.E. degrees from Rensselaer Polytechnic Institute, Troy, NY, and the Ph.D. degree from the Johns Hopkins University, Baltimore, MD.

His fields of interest include microwaves, millimeter waves, infrared and lasers with application to radar, radiometry, communications, and countermeasures. He is currently Associate Director of the Engineering Experiment Station, Georgia Institute of Technology, Atlanta, GA. Earlier, he spent 14 years with the Martin Marietta Corporation, including four and one-half years as Director of Research and Technology at the Orlando Division. He also served as Director of Electronics Engineering and as a Principal Research Scientist. Prior to that, he was Director of Advanced Technology for Electronic Communications, Inc. He has been the author or coauthor of several dozen technical articles, two books, and several patent disclosures, and has made numerous presentations at technical meetings and symposia. His IEEE activities include serving as a member of the ADCOM for the MTT-S and of the Editorial Review Boards of both MTT and AP TRANSACTIONS, and as Chairman of the Orlando IEEE Section and Chairman of the Baltimore Chapter of MTT-S. He was an IEEE delegate to the Popov Society Conference in Moscow, USSR, in May 1979, and is the MTT-S National Lecturer for 1979-1980. In addition to participation as a member of the technical program committees and a session chairman at several International Microwave Symposia and SouthEastCon, he was similarly involved in the Sixth, Seventh, and Eighth (1978) DOD Laser Symposia, the Sixth and Seventh (1979) DARPA/Tri-Service Millimeter-Wave Conferences, and the 26th National Infrared Information Symposium (IRIS-1978).

Dr. Wiltse is a member of Sigma Xi, Tau Beta Pi, and Eta Kappa Nu, and received the 1975 IEEE Outstanding Engineer of the Year Award for Region III.