

FOREWORD

Welcome to the biggest MTT Symposium ever! Our program offers everyone new insights and angles on their own key areas of interest as well as a new perspective on the continuously expanding "World of Microwaves." Your local hosts, the Orlando and Florida West Coast Chapters, have striven to provide you with a congenial setting for this symposium - a setting which will make it easy and pleasant for you to absorb new ideas and to accept the new developments thrust on you. At the same time, we hope the atmosphere will help you to relax, renew old ties, and establish new friendships and professional contacts.

As I write this, enough data is in to confirm that the "World of Microwaves" is very much alive and that this 1979 Symposium, at its mature age of about 30 years, is still growing - still expanding - and assuming an ever increasing international flavor. Since engineers like data, here are some facts to back these claims:

Symposium Year	1975	1977	1979
Papers submitted	160	250+	260
Papers presented	115	152	174
Foreign papers presented	30	42	56
Foreign countries represented	10	7	10
Universities represented	25	31	42
Companies and research labs represented	37	46	46
Invited papers	11	6	5
Technical sessions	19	24	25
Exhibits	30	64	90

I would like to give you some inside information on some wonderful people and the job they did to put this year's Symposium together.

Your Technical Program Committee, under the guidance of Lamar Allen and Jim Wiltse, and with the help of 78 experts in the multitude of subspecialties of our microwave field, screened 260 papers to prepare the final program. Scheduling requirements dictated that the reviewers receive papers for review just before Christmas and that they meet for final selection decisions immediately after New Year's. The Committee did a tremendous job with, no doubt, many personal sacrifices during the busy holiday season.

It might interest you to know that the final selection of a paper for an individual session was made by experts in the specialty area of the submitted papers. We did not use quotas or similar edicted limits to formulate the program. After the experts made their acceptance decision, the program by itself "fell into place" as you see it in print here. Only five invited papers were needed to round out the program.

Incidentally, the technical committees of MTT-S played an extremely important role in guiding us to the experts who made up the Technical Program Committee. These committees are coordinated by John Horton. They also played a key role in organizing the workshops and the Specialty Conference which follow the three day Symposium. In addition to John Horton, Paul T. Greiling, Dick Swartley, Ralph Levy, Chuck Buntshuh and Frank Reisch deserve special mention.

Our Local Arrangements Committee worked hard to provide you with plenty of Southern hospitality for a happy stay in Orlando. Joe Pullara is coordinating this effort. Key roles are also played by Ernie Erickson - Meeting Facilities, Dick McCoy - Registration, and George McClure - Hospitality and Hotel. All of them have filled important posts at past IEEE meetings held in Orlando. Their experience is proving to be a tremendous asset.



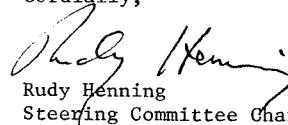
Some people have all the luck - and this year I was the one. Imagine having someone volunteer to take full responsibility for publishing this digest - and that person having edited an MTT Symposium Digest before! Yes, John Tracy, your Digest Editor, previously put together the 1965 MTT-S Symposium Digest. We are grateful to him for the 1979 repeat performance!

If size of exhibit can be used as an indicator of Symposium success, you are in for a treat. Howard Ellowitz of Horizon House, our exhibit manager, has put together the largest exhibit ever assembled. During the last few years he has done a tremendous job in making exhibits an important element of our Symposium. I hope you will take time to not only listen to papers on "What's New", but also to look at the hardware and materials exhibited.

I really hope you make plans to attend our Monday night special session on "Engineering Technology and Education in Mainland China" by Dr. J. M. Pettit and others and our banquet the following night. Our banquet speaker, Dr. John Nash Ott, a keen practical researcher, discusses in everyday language his cause and effect observations relating light spectral distribution to such everyday life factors as behavior, cell growth and tumor formation, longevity, etc. By all means bring your wife along - she will be equally fascinated by Dr. Ott's discoveries and the beautiful movies which illustrate his talk.

Did you bring your spouse along and did you make plans to spend a few extra days in the Florida sun? I hope you and your wife avail yourselves of this great opportunity to soak up our sun, enjoy the attractions, and be pampered by local hospitality. If plans aren't fully formed, Mrs. June Pullara, our Spouses Activity Chairperson, will be only too happy to assist you. We all hope that when you have to return home, you have only one regret -- that you couldn't stay longer!

Cordially,


Rudy Henning
Steering Committee Chairman