

# 1963 PTGMMT National Symposium

The Los Angeles, Santa Ana and Orange-Belt chapters of the IEEE Professional Technical Group on Microwave Theory and Techniques hosted the 1963 National Symposium on May 20-22, 1963, at the Miramar Hotel, Santa Monica, Calif. The members of the Symposium Steering Committee were:

<i>Chairman:</i>	D. B. Anderson, Autonetics Research Center
<i>Secretary:</i>	J. C. Aukland, Autonetics Research Center
<i>Members:</i>	T. N. Anderson, Budd-Stanley R. Banks, Los Angeles Section IEEE A. Clavin, Rantec Corp. S. B. Cohn, Rantec Corp. C. L. Cuccia, Radio Corp. of America (now at Microwave Electronics Corp.) R. C. Hansen, Aerospace Corp. R. E. Novda, Autonetics I. Kaufman, Space Technology Laboratories W. Perry, Bendix Pacific C. W. Swift, Swift Associates M. T. Weiss, Aerospace Corp.

Other standing committees organized for specific assignments were:

## TECHNICAL PROGRAM COMMITTEE

<i>Chairman:</i>	I. Kaufman, Space Technology Laboratories
<i>Vice Chairman:</i>	M. T. Weiss, Aerospace Corp.
<i>Members:</i>	R. W. Beatty, National Bureau of Standards J. C. Cacheris, Motorola, Inc. A. Clavin, Rantec Corp. S. B. Cohn, Rantec Corp. C. L. Cuccia, Radio Corp. of America (now at Microwave Electronics Corp.) R. C. Knechtli, Hughes Research Laboratories P. Lacy, Wilttron Co. T. H. Maiman, Korad Corp. L. Young, Stanford Research Institute

## LOCAL ARRANGEMENTS COMMITTEE

<i>Co-Chairmen:</i>	C. W. Swift, Swift Associates R. E. Hovda, Autonetics
<i>Members:</i>	G. D. Carey, Autonetics W. H. Conway, Space General Corp. R. M. Hautzik, Quantatron, Inc. R. S. Jamison, Hughes Aircraft Co. R. A. Krogh, Litton Industries N. C. Silence, Hughes Aircraft Co. G. M. Underburger, Microwave Products

## PUBLICITY COMMITTEE

<i>Chairman:</i>	A. Clavin, Rantec Corp.
<i>Members:</i>	A. R. Margolin, Consultant V. Norwood, Hughes Aircraft Co. S. Rifkin, Rifkin & Co.

## DIGEST COMMITTEE

<i>Chairman:</i>	C. L. Cuccia, Radio Corp. of America (now at Micro- wave Electronics Corp.)
<i>Member:</i>	H. S. Stumman, Radio Corp. of America

## SPECIAL SPEAKER COMMITTEE

<i>Co-Chairmen:</i>	M. T. Weiss, Aerospace Corp. S. B. Cohn, Rantec Corp.
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## FINANCE COMMITTEE

<i>Chairman:</i>	W. Perry, Bendix Pacific
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The Symposium was opened with introductory remarks by D. B. Anderson, Chairman of the Symposium Steering Committee, and S. B. Cohn, Chairman of the PTGMMT National Administrative Committee. The Symposium's keynote address was made by Prof. Robert S. Elliott, Department of Engineering, University of California, Los Angeles. Prof. Elliott's subject was "An Industry-University Conflict Concerning Graduate Engineering Studies."

The Technical Program consisted of nine sessions containing a total of 13 invited papers and 23 submitted papers. The sessions were entitled Radar, Plasmas, Microwave Filters and Couplers, Semi-Conductor Devices 1 and 2, Special Devices, Magnetically Active Devices, Phase at Microwave Frequencies, and Lasers and Microwave Acoustics. The latter two sessions consisted entirely of invited papers.

Each registrant was provided with a 210-page Symposium Digest containing abbreviated versions of the papers presented. This year the considerable cost of the 1963 PTGMMT Symposium Digest was largely absorbed by institutional listings in the Digest representing contributions by 58 companies in the microwave industry. Copies of the Symposium Digest may be obtained from D. B. Anderson, Autonetics Research Center, P.O. Box 4173, Anaheim, Calif. Digest orders should be made payable to "1963 PTGMMT National Symposium." The price is \$3.00 per copy.

The evening entertainment consisted of a Cocktail Klatsch on Monday evening, May 20, and the annual cocktail party and banquet on Tuesday evening. Entertainment was provided by the Tommy Aimahou Hawaiian Trio, the Moana Polynesian Dancers, a flaming sword dancer and certain "voluntary" PTGMMT participants.

Dr. Kiyo Tomiyasu officiated as Master of Ceremonies. The Microwave Prize Award was presented to L. Lewin, Standard Telecommunication Laboratories, Harrow, Essex, England, for his paper titled "On the Resolution of a Class of Waveguide Discontinuity Problems by the Use of Singular Integral Equations." The presentation was made by Dr. Cohn. Mr. Lewin's paper appeared in the July, 1961, issue of the IRE TRANS. ON MICROWAVE THEORY AND TECHNIQUES.

The featured speaker was Dr. Bernard M. Oliver, Vice President, Research, Hewlett-Packard Company. Dr. Oliver's address, titled "Problems of Deep Space Communications," was imaginative and challenging. He held that useful communications with other intelligent beings in the universe are feasible using microwaves and easily deciphered codes.

The total Symposium registration was 585, including several attendees from England and France.



*Left:* Steering Committee (*standing l. to r.*) S. B. Cohn, J. C. Aukland, R. E. Hovda, A. Clavin, I. Kaufman; (*seated*) W. Perry, D. B. Anderson, M. T. Weiss. *Below:* Between technical sessions, gathering under the Moreton Bay Fig Tree; and at the PTGMMT Symposium Banquet. *Inset:* Dr. Bernard M. Oliver, feature banquet speaker.

