1966 International Microwave Symposium

THE SAN FRANCISCO Chapter of the IEEE Microwave Theory and Techniques Group hosted the 1966 International Symposium held May 16, at the Cabaña Motor Hotel, Palo Alto, Calif.

An ambitious technical program was rewarded with unprecedented attendance. The tradition of a three-day symposium was broken by extending it to four days with two evening sessions.

Members of the Symposium Steering Committee were:

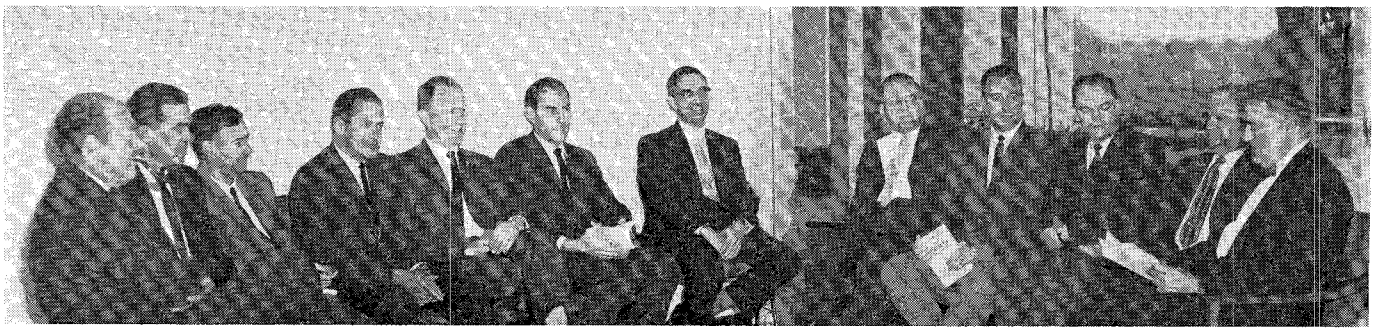
Chairman: Peter Lacy, Wiltron Co.
Secretary: Donald Weller, Sylvania
Program: Leo Young, Stanford Research Institute
Publicity: Gershon Wheeler, Sylvania
Finance: Perry Vartanian, Jr., Melabs
Arrangements: Jay Stone, Stone Associates
Hospitality: Paul Ely, Jr., Hewlett-Packard
Digest: E. Wesley Matthews, Consultant, Sylvania
C. Louis Cuccia, Philco
Members: D. J. Angelakos, University of California, Berkeley
Seymour Cohn, Rantec
Hubert Heffner, Stanford University
E. M. T. Jones, TRG-West
Donald King, Aerospace
Theodore Moreno, Varian Associates
Robert Prickett, Hewlett-Packard
Chapter Chairmen:
Vernon Price, Stanford LINAC Center
James Warnock, IEEE

Members of the Technical Program Committee were:

Chairman: Leo Young, Stanford Research Institute
Members: David Adams, Stanford Research Institute
Dean Anderson, Autonetics
D. J. Angelakos, University of California, Berkeley
Robert Beatty, National Bureau of Standards
William Culshaw, Lockheed
C. Louis Cuccia, Philco
Robert Hall, -hp- Associates
E. M. T. Jones, TRG-West
Irving Kaufman, Arizona State University
Peter Lacy, Wiltron Company
George Matthaei, University of California, Santa Barbara
Seymour Okwit, Airborne Instruments Laboratory
Frank Olson, Microwave Electronics
Vernon Price, Stanford LINAC Center
Eugene Torgow, Rantec
Max Weiss, Aerospace

Members of the Local Arrangements Committee were:

Chairman: Jay Stone, Stone Associates
Tours: Richard Alvarez, Stanford LINAC Center
Registration: Marvin Waldman, Waldman Associates
Ladies' Program:
Mrs. Leonard Ladouceur, Hewlett-Packard
Members: John Minck, Hewlett-Packard
Charles Walter, Walter Associates



Symposium Steering Committee, left to right: James Warnock, E. M. T. Jones, Robert Prickett, Jay Stone, Donald Weller, Perry Vartanian, Jr., Leo Young, E. Wesley Matthews, Paul Ely, Jr., Vernon Price, Gershon Wheeler, Peter Lacy.

The Symposium was opened with introductory remarks by Peter Lacy, Chairman of the Symposium Steering Committee, and Eugene N. Torgow, Chairman of the Group Administrative Committee.

The keynote address was given at the luncheon on the same day by Hubert Heffner, Associate Provost for Research at Stanford University. The title of his tour de force was: "While You Are Up, Get Me a Grant." It was a parody of the plight of a microwave specialist engaged to do system engineering. He was guided by a hierarchy of academic consultants with an old line New England company seeking diversification into electronics to disaster.

The Technical Program consisted of ten sessions:

1) Solid-State Design
2) Amplifiers, Multipliers, and Converters
3) Linear Particle Accelerators
4) Filters and Couplers
5) Integrated Circuits Slac Tour
6) Microwaves Abroad
7) Ultramicrowaves and Optical Techniques
8) Microwave Techniques
9) Ferrite Phase Shifters
10) Ferrite Circulators, Switches Slac Tour.

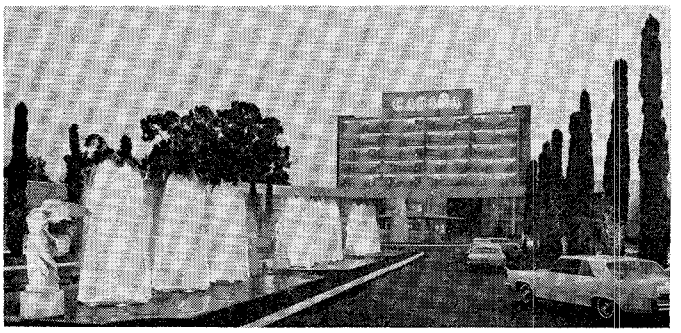
The number of papers submitted was 93 and 45 were selected for presentations. There were 16 invited papers, 10 of them from abroad. The papers were assigned various lengths from 15 minutes in some day sessions to as much as 45 minutes for the invited papers.

A major Program Committee undertaking was the invitation of foreign speakers and the solicitation of travel sponsorship. The U. S. Army Research Office and the U. S. Office of Naval Research provided funds for the foreign academic invitees.

A Digest of the Technical Papers of 295 pages was presented to all registrants.

Tours of the Stanford Linear Accelerator were available on two afternoons. Its full two-mile length was very successfully first activated on the weekend following the Symposium.

The annual cocktail party and banquet was held Wednesday evening at the Cabaña Hotel. Master of ceremonies for the evening was the jovial Charles Susskind, Associate Dean of Engineering at the University of California at Berkeley.



Eugene Torgow carried out the formal ceremonies of the G-MTT. Al Beck was formally made an Honorary Life Member of the Administrative Committee. Saul Rosenthal was introduced as the Administrative Committee Chairman for the ensuing year. The IEEE Board of Directors was represented by John V. N. Granger.

Hendrik Bosma was awarded the 1965 Microwave Prize of the IEEE G-MTT for his significant contribution on stripline Y-circulators.

A very stirring banquet address was given by Prof. John Brown of University College, London, entitled "Technical Education in Developing Countries." He served as a Colombo Plan consultant in India from 1962 to 1965. During this period, he was Visiting Professor at the Indian Institute of Technology at Delhi, where he founded the Department of Electrical Engineering. He recently returned from a study tour of engineering education in Zambia.

Entertainment at the banquet consisted of a dessert interlude by Don Obertone on his Golden Banjo. The evening concluded with a spirited performance by the Rovers, a popular folk music instrumental and vocal group.

Attendance at all day sessions was high. The evening session participation suffered from the well-publicized diversions of the mother city of San Francisco. Symposium registration of 758 established a new record. This high attendance was felt due to both the vigorous condition of the microwave industry and the extensive technical coverage provided in the program.