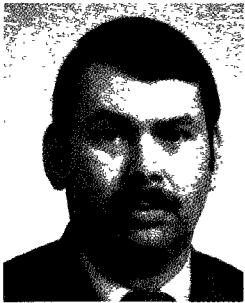


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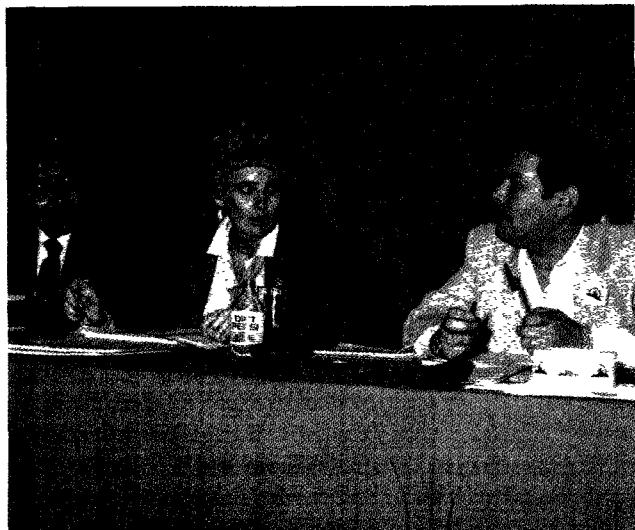


Harlan Howe, Jr.
Exhibits Liaison



Howard Ellowitz
Exhibits Management

Steering Committee At Work . . .



MESSAGE FROM THE TECHNICAL PROGRAM CHAIRMAN

1987 Will stand as an outstanding year for microwaves. DOD's MIMIC programs are now off and running. This year the 1987 IEEE MTT-S International Microwave Symposium received a phenomenal number of papers. About a 20% increase over the number of papers received last year. This required the Technical Program Committee to work diligently to come up with an outstanding program. The program, along with the Microwave and Millimeter-Wave Monolithic Circuits Symposium and the ARFTG Conference, offer the engineer an exciting full week of microwaves.

This year's format is similar to the previous year. A plenary session will open the Symposium on Tuesday morning. For the first time there will be three sessions joined with the Monolithic Symposium. The Microwave Symposium will retain the features adopted earlier, such as Focussed Session, European Microwave Session, Open Forum, Panel Session, Workshops, regular length papers, short length papers, and 90-minute session. The 222 papers selected are broken down into 93 regular length, 38 short length, and 91 open forum papers.

The four Focussed Sessions are: "Optical Techniques for Microwave Application I," "Optical Techniques for Microwave Application II," "Advances in Millimeter Wave Technologies," and "Advances in Millimeter Wave Systems." This is the second straight year to have a focussed session on optics and microwaves. The millimeter wave focussed session will emphasize 60GHz and above.

The European Microwave Session will feature three outstanding papers: "The Detection at Millimeter and Submillimeter Waves," by E. Kollberg; "MMIC Technology and Design in West Germany," by E. Pettenpaul; and "Modeling of New Microwave Devices," by G. Salmer.

This year, four panel sessions offer a broad spectrum from "Financial Planning for Engineers" and "Primary/Continuing Engineering Education" to the highly technical "GaAs Microwave Monolithic Integrated Circuits" and "Applications of HEMT Devices and Circuits". A wide diversity of microwaves are offered in the workshops on Monday, June 8. Three workshops have been selected. They are "Non-invasive Microwave Sensing of Physiological Signatures," "Amplification in High Power Systems," and "Numerical Techniques for Microwave Field Problems and Their Implementation on Personal Computers". For Friday, June 12, the workshops are "Optical-Microwave Interaction," "Non-linear CAD and Modeling," "Quasi-Planar Millimeter Wave Components and Subsystems" and "Dielectric Resonator Oscillators".

Once again there is a strong international flavor; over 185 papers were submitted from outside the United States. Like last year, GaAs FETs are heavily featured in the Symposium. Including the three joint sessions, a total of seven sessions are devoted to this topic. Another three sessions are devoted to solid state devices and their applications. Other areas covered in the Symposium include: field theory, guided waves, biological effects, MIC techniques, filters, passive components, millimeter waves, measurements, microwave systems, microwave acoustics, ferrites, and phased arrays.

All of this could only be possible by the contributions of the many authors and the dedicated work of the Technical Program Committee. Special recognition must be given for the efforts of the Vice-Chairman Ken Yano; Technical Program Coordinator Cindy Yokono; Special Events Chairman Tatsuo Itoh; Open Forum Chairman Jim Rautio; and Focussed Session Organizers John Horton, Chi Lee and Jim Wiltse. We are all looking forward to having an exciting and productive meeting in Las Vegas.



A handwritten signature in cursive script, appearing to read "Reynold S. Kagiwada".

Reynold S. Kagiwada
TPC Committee Chairman
1987 International Microwave Symposium

Technical Program Committee Members



Front: (L to R) Alvin Clavin, Kuo Hsiung Yen, Charles Boyd
Back: John Owens, Bruce McAvoy, Ted Lukaszek



Back Row: (L to R) Peter Staeker, Ron Carter, Charles Rucker, Walter Cox
Front Row: Clifford M. Krowne, Michael Dydik, Bob Eisenhart, Joe White



Standing: (L to R) Joseph S. Barrera, Edward C. Niehenke, Eugene H. Gregory, Richard A. Sparks
Seated: John R. Lane, Mahesh Kumar, E. James Crescenzi, Mike Malbon, Bernard D. Geller



Standing: (L to R) Bert Berson, Eliot Cohen, Larry Whicker, Barry Spielman
Seated: Richard Van Wagoner, Fred Rosenbaum, Vladimir G. Gelnovatch, Karl B. Niclas

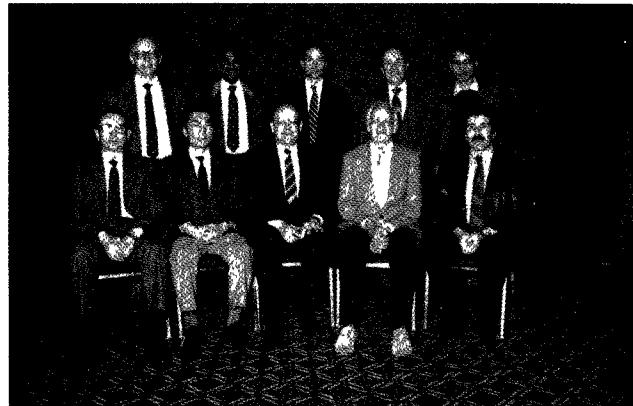


Standing: (L to R) H. Howe, A. Cardiasmenos, J.C. Lin, A. Rosen
Seated: Roger D. Pollard, Mario A. Maury, Jr., Stephen F. Adam, H. George Oltman, Jr., Glenn F. Engen

Technical Program Committee Members



Standing: (L to R) George L. Heiter, John B. Horton
David N. McQuiddy, Kiyo Tomiyasu
Sy Okwit
Seated: Norm Dietrich, Chi H. Lee, Ken Yano
Peter Petrelis, Krishna K. Agarwal



Standing: (L to R) Ralph Levy, Chandra Kudsia
A.E. Williams, R.V. Snyder, L. Bui
Seated: James Wiltse, Hiroyo Ogawa, Robert Weck
Charles Buntschuh, Nick Chrissotimos



Standing: (L to R) Jeffrey B. Knorr, Nicólaos G. Alexóopoulos, Tatsuo Itoh, S.T. Peng
Pradeep Wahi
Seated: Arvind K. Sharma, Arthur A. Oliner, Alt E. Atia, James W. Mink, Peter LaTourrette



Standing: (L to R) Paul T. Greiling, J.P. Letellier
Michael E. Kim, Barry S. Perlman,
J.M. Schellenberg
Seated: Steve Temple, Robert A. Pucel, K.C. Gupta
Ulrich L. Rohde



Standing: (L to R) Steven L. March, Bill Hord, Marvin Cohn, James Whelehn, Jesse Taub
André Vander Vorst
Seated: Ferdo Ivanek, James C. Rautio, Cindy Yokono, Reynold Kagiwada

Technical Program Committee At Work . . .



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Ralph Levy
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Immediate Past Presidents

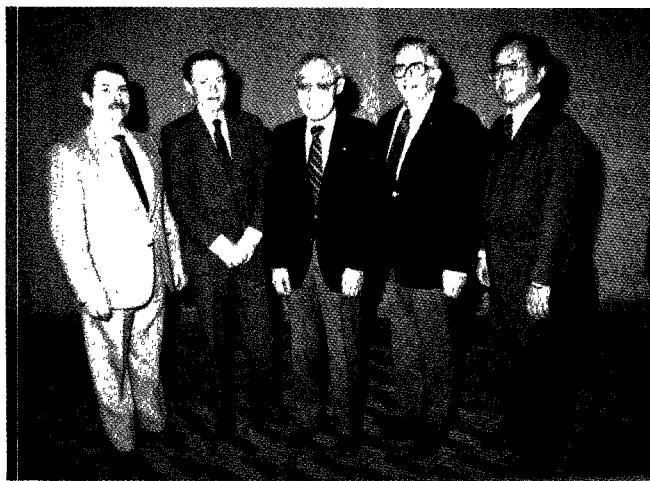
1986	Reinhard H. Knerr
1985	Harlan Howe, Jr.
1984	H. George Oltman, Jr.

Honorary Life Members

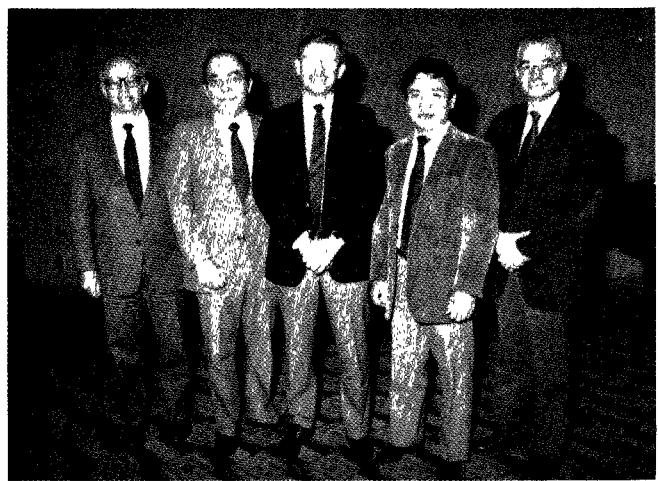
A.C. Beck
Seymour B. Cohn

Arthur A. Oliner
Theodore S. Saad

Kiyo Tomiyasu
Leo Young



(l-r): S. March, F. Ivanek, K. Tomiyasu, T. Saad,
R. Kagiwada

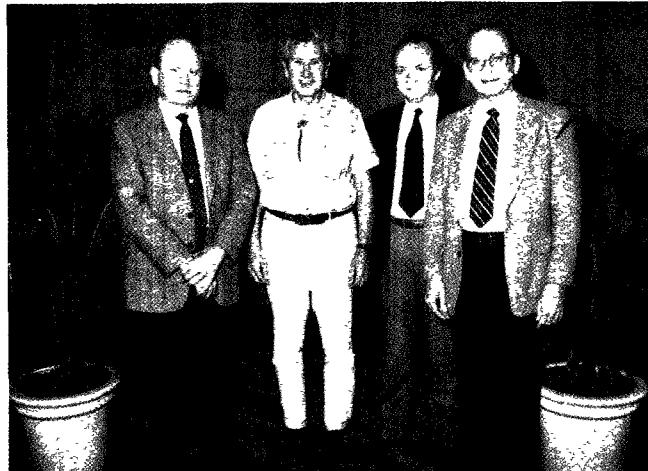


(l-r): R. Levy, E. Crescenzi, P. Greiling, T. Itoh
A. Oliner

1987 IEEE MTT-S Administrative Committee



(l-r): P. Staeker, K. Agarwal, E. Niehenke, N. Cox
J. Raue



(l-r): N. Dietrich, A. Clavin, A. Vander Vorst,
C. Rucker

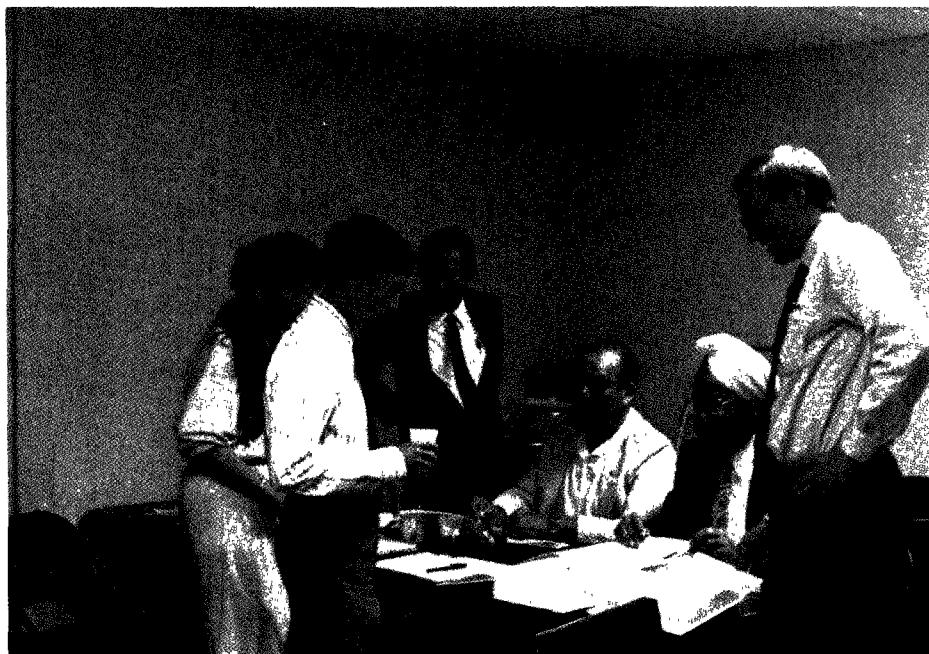


(l-r): R. Sparks, J. Wassel, J.C. Lin, R. Moore
C. Buntschuh



(l-r): G. Oltman, H. Howe, G. Lerude, D. McQuiddy,
S. Temple, M. Maury

Publications Committee At Work . . .



(L to R) C. Gentile, J. Knorr, P. Chen, K. Bush, A. Khanna, M. Roos

Steering Committee Break . . .



(L to R) Tatsuo Itoh, Vijay Tripathi discuss Transactions on MTT Symposium Issue