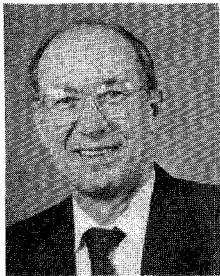
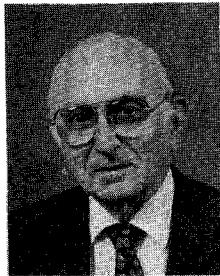


1995 Symposium Steering Committee



Keith Huddleston
Co-chairman



Rudy Henning
Co-chairman



Heather Huddleston
Secretary

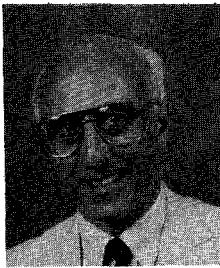
Technical Program



Larry Brockman
Chairman



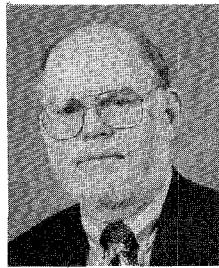
Terry Duffield
Co-chairman



Ed Rizzo
Open Form



Martin Tanenhaus
Quality Presentation
Awards



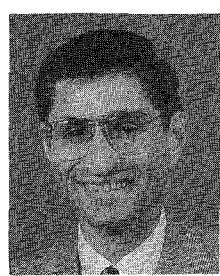
Michael Thursby
Student Papers



Jim Wiltse
Co-chairman
Special Sessions



Parveen Wahid
Co-chairman
Special Sessions



Amir Mortizawi
Transactions, Special Issue

1995 Symposium Steering Committee

Publications

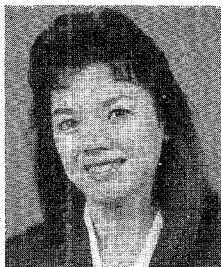


Lynn Kirby
Digest Chairman

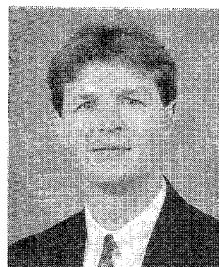


Martin Tanenhaus
Vice Chairman

Local Arrangements



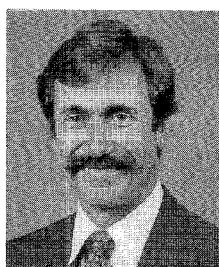
Laurie Dunn
Chairman



Dan Dunn
Vice Chairman

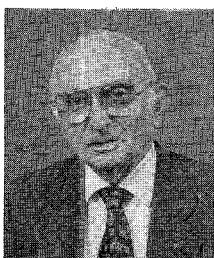


Norma Montgomery
Awards Banquet



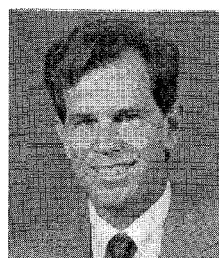
Rick Akins
Chairman's Dinner

Chief of Protocol



Rudy Henning
Chairman

Publicity



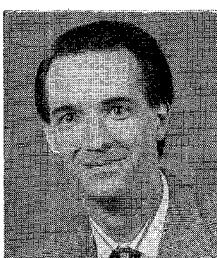
Bob Smallwood
Chairman

Finance

Photo not
available

Christos Christodoulou
Chairman

Registration



Tim Durham
Chairman

1995 Symposium Steering Committee

Guest Program



Jane Brockman
Chairman



Helen Wiltse



Chris Rizzo

Historical Exhibit

Photo not available

James Adair
Chairman

Liaison



Madjid Belkerdid
NTC



Terry Duffield
MMWMC



Larry Dunleavy
ARFTG

Exhibits

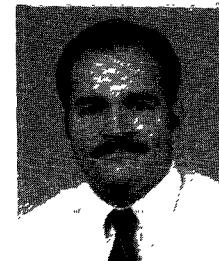


Harlan Howe
Microwave Journal



Howard Ellowitz
Microwave Journal

Digest Cover



Steve Otte

Conference Management

Photo not available

Margaret and Larry
Whicker—LRW

Message from the Technical Program Chairmen



Larry Brockman



Terry Duffield

Welcome to Orlando, home of the 1995 MTT-S and "Microwave Week". As with our predecessors a wide variety of program activities, including workshops, focus sessions and lunchtime panel sessions, have been planned. The technical programs of MMWMC, NTC and ARFTG have been coordinated with the program as well, providing something for everybody! In keeping with the "Microwaves on the Move" theme, special emphasis has been added this year on the role microwave and millimeter-wave systems play in emerging commercial markets. A new technical theme, wireless and vehicular technology, is featured in 1995. Focus sessions on this technology highlight technology conversion and its importance in the future. The program structure is similar to previous years, with a single workshop highlighting wireless on Sunday and various workshops on Monday and Friday, the core of the MTT program Tuesday, Wednesday and Thursday, including lunchtime panel sessions and open forum poster sessions, and a rump session on Tuesday night. Selection of such a comprehensive program is a real job, and could only be assembled with the help of a dedicated group of professional paper reviewers. The review process was moved back a month this year to accommodate our

mid-May conference date, a much better time in Orlando than June. But reviewers were forced to put in precious hours of review time between Thanksgiving and Christmas. A special word of thanks to all who helped - all 200+ TPC members.

In addition to a word to thanks to the TPC steering committee, special thanks goes out to Drs. Jim Wiltse and Parveen Wahid for their efforts in coordinating the special sessions, panel sessions and workshops; Ed Rizzo who coordinated the open forum; and Mike Thursby, who conducted the student paper competition. Special thanks in general go to my colleagues on the Orlando Steering Committee, all of whom worked tirelessly to put this event together and support the Technical Program.

I hope to meet many of you personally during the week and look forward to hearing what you liked (and even what you didn't like) about the program. I am confident you will all enjoy your time in sunny Orlando!

Larry Brockman and Terry Duffield
Co-Chairmen
Technical Program
1995 International Microwave Symposium

1995 Technical Program Committee



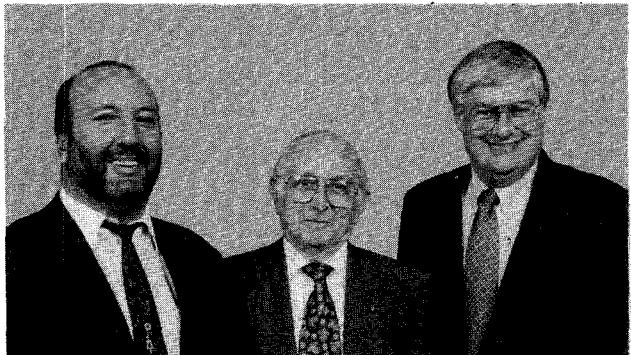
Symposium Group

Back Row (l-r): Howard Ellowitz, Derry Hornbuckle
Center Row (l-r): Harlan Howe, Jr., John W. Wassel,
E. James Crescenzi, Jr.
Front Row (l-r): Glenn R. Thoren, Daniel J. Masse,
Larry Brockman*, Larry Whicker
(Not Pictured) Don Parker



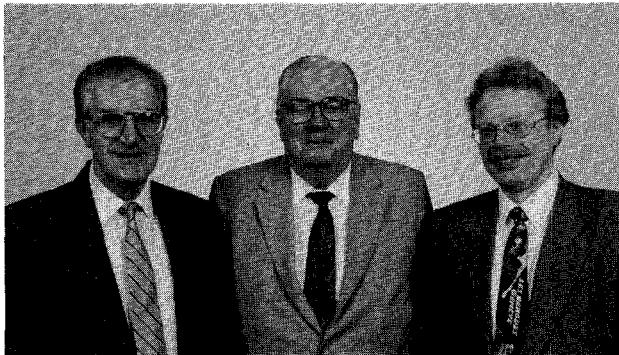
Orlando Steering Committee

Back Row (l-r): Mike Thursby, Terry Duffield, Keith
Huddleston, Jim Adair
Center Row (l-r): Ed Rizzo, Bob Smallwood, Jim Wiltse,
Larry Dunleavy, Larry Brockman
Front Row (l-r): Jane Brockman, Laurie Dunn, Parveen
Wahid, Lynn Kirby, Tim Durham
(Not Pictured) Christos Christodoulou,
Amir Mortazawi



Orlando Steering Committee (Cont'd)

(l-r): Madjid A. Belkerdid, Rudy Henning, Martin E. Tanenhaus



Acoustic & Surface Wave Components

(l-r): Ted J. Lukaszek, Bruce McAvoy*, Robert Weigel



Active & Quasi-Optic Arrays

Back Row (l-r): Zoya Popovic, Amir Mortazawi
Front Row (l-r): David Rutledge*, Jim Harvey



Biological Effects and Medical Applications

(l-r): Arye Rosen*, Paul Yu, Andre Vander Vorst

1995 Technical Program Committee



CAD Procedures, Techniques & Modeling

Back Row (l-r): Ravender Goyal, Barry S. Perlman, Mauro Mongiardo
Center Row (l-r): Arvind K. Sharma, Sam Pritchett, Vijai K. Tripathi*, Ingo Wolff
Front Row (l-r): Lawrence Dunleavy, S. Michael Saad, Joy Laskar



Digital Signal Processing

(l-r): Jim B.Y. Tsui*, Christopher T. Chang



EM Analytical & Numerical Techniques

Back Row (l-r): Andreas C. Cangellaris, Peter Russer, Wolfgang Hoefer
Front Row (l-r): Ruediger Vahldieck, Nick G. Alexopoulos*, Hung-Yu Yang



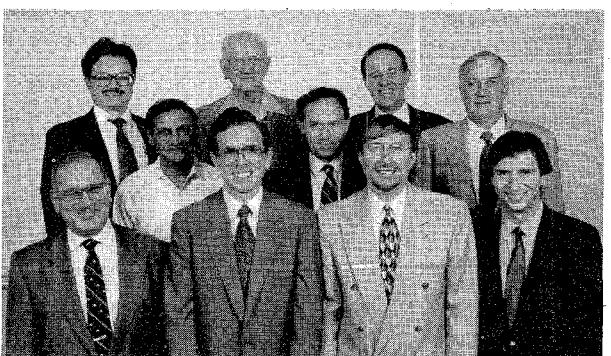
Ferrite Components

Back Row (l-r): Mohammad Ghahremani, Lionel E. Davis
Front Row (l-r): Denis Webb, William E. Hord*, John M. Owens



Field Theory

Back Row (l-r): Robert J. Trew, James W. Mink*, Victor Fouad Hanna
Front Row (l-r): Adalbert Beyer, Tsukasa Yoneyama, Roberto Sorrentino



Filters & Multiplexers

Back Row (l-r): Yi-Chi Shih, George L. Matthaei, Richard V. Snyder
Center Row (l-r): Chandra M. Kudsia, Albert E. Williams, H. Clark Bell
Front Row (l-r): Ali E. Atia, Daniel G. Swanson, S. Jerry Fiedziszko*, Rene R. Bonetti

* Chairperson

1995 Technical Program Committee



Guided Waves & Propagation Techniques

Back Row (l-r): Samir M. El-Ghazaly, Arthur A. Oliner*
Front Row (l-r): Paolo Lampariello, Michael Dydik



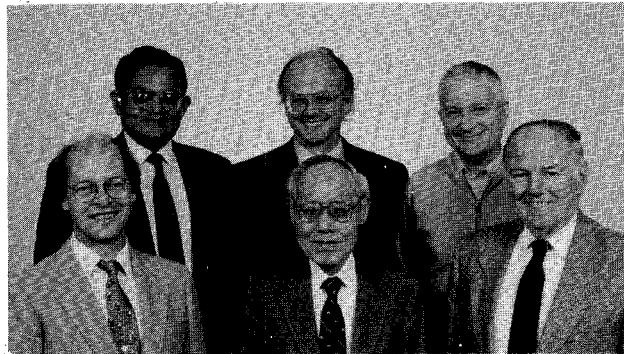
High Power Sources & Control Components

(l-r): Steven N. Stitzer, Jitendra Goel*



Lightwave Technology & Techniques

Back Row (l-r): Hiroyo Ogawa, Anand Gopinath,
Center Row (l-r): Dieter Jager, Harold Sobol,
Peter R. Herczfeld
Front Row (l-r): Arthur Paolella, Norman R. Dietrich*,
Carol Gee, Reinhard H. Knerr



Low Noise Receivers & Detectors

Back Row (l-r): Madhu S. Gupta,
Marian W. Pospieszalski, Sander Weinreb
Front Row (l-r): Ed Rezek, Kiyo Tomiyasu,
James Whelehan, Jr. *



Manufacturing, Production & Packaging

(l-r): Rick Sturdivant, Tim Kemerley*



Measurement Theory & Techniques

Back Row (l-r): Harry M. Cronson, John T. Barr,
Roger D. Pollard
Front Row (l-r): Ron E. H. Ham*, David Wait,
Stephen F. Adam

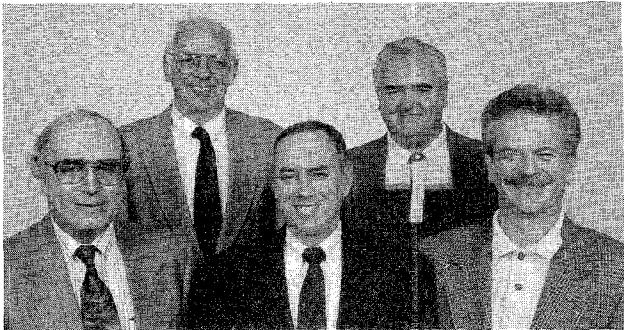
* Chairperson

1995 Technical Program Committee



Microwave & Communications Systems

Back Row (l-r): Chris Mahle, Kul B. Bhasin,
J. K. McKinney
Front Row (l-r): George L. Heiter, Klaus D. Breuer*,
David N. McQuiddy, Jr.
(Not Pictured) David Meharry



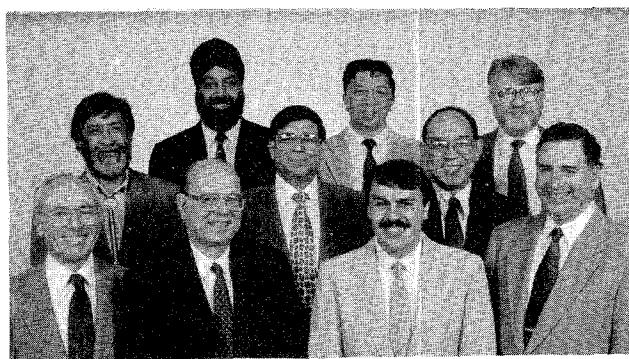
Microwave Integrated Circuits

Back Row (l-r): Charles Buntschuh, Frank Sullivan*
Front Row (l-r): John A. Pierro, Mike Harris,
Gailon Brehm



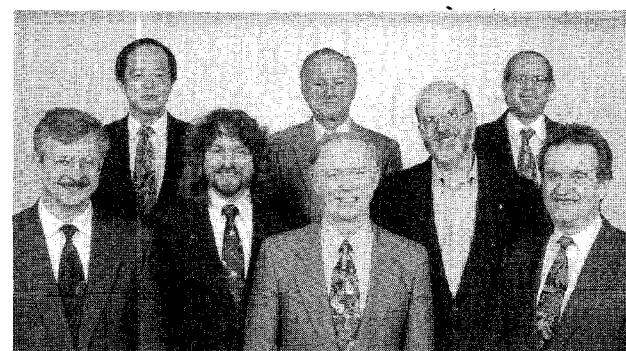
Millimeter & Submillimeter Wave Technology

Back Row (l-r): Gabriel Rebeiz*, James C. Wiltse,
Mehran Matloubian
Center Row (l-r): Krishna K. Agarwal, Mohammed Afsar
Front Row (l-r): Edward C. Niehenke, Margaret Frerking,
J.W. Dees



Monolithic Circuits & Modules

Back Row (l-r): Sarjit Bharj, Hing-Loi A. Hung,
George Jerinic
Center Row (l-r): Zaher Bardai, Inder J. Bahl,
Reynold S. Kagiwada
Front Row (l-r): Marvin Cohn, Roger Sudbury*,
Natalino Camilleri, Eliot D. Cohen



Nonlinear Modeling & Analysis

Back Row (l-r): James C. Hwang, Robert A. Pucel,
Cliff Krown
Center Row (l-r): Mike Golio, Stephen A. Maas
Front Row (l-r): Mark Calcaterra, Walter R. Curtice*,
John W. Bandler
(Not Pictured) Michael B. Steer



Passive Components

Back Row (l-r): Wolfgang Menzel, Jesse Taub,
Toshio Nishikawa, Tatsuo Itoh*
Center Row (l-r): Abbas S. Omar, Edgar Denlinger,
Marco Guglielmi
Front Row (l-r): Linda P.B. Katehi, Allen Katz,
Kawthar A. Zaki

* Chairperson

1995 Technical Program Committee



Phased Arrays

(l-r): J. Dayton Adams, David C. Zimmerman*
(Not Pictured) Glenn Hopkins,
H. George Oltman, Jr.



Sources & Control Components

Back Row (l-r): Bernard E. Sigmon, Dean Peterson*
Front Row (l-r): A.P.S. Khanna, Peter W. Staeker



Superconductivity Technology

Back Row (l-r): Charles Jackson, Richard Withers
Front Row (l-r): Aly Fathy, Jeffrey M. Pond*
(Not Pictured) Erwin F. Belohoubek,
Martin Nisenoff



Transistor Power Amplification

Back Row (l-r): John Heaton, James E. Degenford
Center Row (l-r): Burhan Bayraktaroglu, H. John Kuno*
Lawrence J. Kushner
Front Row (l-r): R.E. (Skip) Bryan, Terry Cisco,
Kiki Lkossi-Anastasiou, Aryer Platzker



Vehicular Technology

Back Row (l-r): Rudy Henning, Lamberto Raffaelli
Front Row (l-r): Richard A. Sparks*, Rahul Dixit



Wireless Technology

Back Row (l-r): Vijay Nair, Fazal Ali
Front Row (l-r): Douglas Maki, Joseph White, John Horton*

* Chairperson

Other 1995 Committees



MMWMC Steering Committee

Back Row (l-r): Inder Bahl, Christian Kermarrec, Vijay Nair, Alejandro Chu
Center Row (l-r): Val Peterson, Ho C. Huang, Reynold Kagiwada
Front Row (l-r): Eric Strid*, Mahesh Kumar, Louis C.T. Liu, Eliot Cohen



MMWMC Technical Program Committee

Back Row (l-r): Vijay Nair, Inder Bahl, Sanjay Moghe, Aditya Gupta
Center Row (l-r): Reynold Kagiwada, Ho C. Huang, Fazal Ali
Front Row (l-r): Tim Kemerley, Eliot Cohen, Mahesh Kumar*, Eric Strid



MMWMC Technical Program Committee

Back Row (l-r): Val Peterson, Christian Kermarrec, Louis C.T. Liu, Alejandro Chu
Front Row (l-r): David Lovelace, Tsuheo Tokumitsu, James Schellenberg



NTC TPC Members

Back Row (l-r): James L. Kurtz, Donald C. Malocha*, Ron Hays
Center Row (l-r): Joe Bruder, Sam M. Richie, George McClure
Front Row (l-r): Robert Weigel, Paul Flikkema, Carol J. Scott, Madjid A. Belkerdid

* Chairperson

1995 IEEE MTT-S ADMINISTRATIVE COMMITTEE

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Vice President	M.A. Maury, Jr.
Secretary	R.W. Bierig
Treasurer	D.G. Swanson

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J.M. Golio	D.P. Hornbuckle	R.H. Jansen	R.T. Kemerley
M.A. Maury, Jr	R.D. Pollard	E.A. Rezek	M.J. Schindler
R.W. Sudbury	D.G. Swanson	G.R. Thoren	J.W. Wassel
D.C. Webb	E. Yamashita		

Immediate Past Presidents

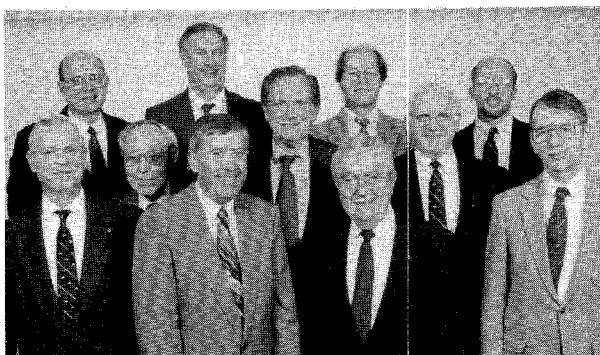
1994	E.J. Crescenzi, Jr.
1993	P.W. Staecker
1992	R.S. Kagiwada
1991	F. Ivanek

Honorary Life Members

A.C. Beck	S.B. Cohn	T. Itoh	A.A. Oliner
T.S. Saad	K. Tomiyasu	L. Young	



MTT-S Administrative Committee
(l-r): David N. McQuiddy, John Barr, Glenn Thoren



MTT-S Administrative Committee
Back Row (l-r): Roger W. Sudbury, Don Parker, Ed Rezek, Derry Hornbuckle
Center Row (l-r): Kiyo Tomiyasu, John Horton, Roger D. Pollard
Front Row (l-r): R.A. Sparks, Tim Kemerley, Stephen Adam, Dennis Webb



Administrative Committee

Back Row (l-r): J.W. Wassel, S.J. Fiedziuszko, E. James Crescenzi Jr., Reynold Kagiwada

Center Row (l-r): R. Sorrentino, T. Itoh, Mike Golio

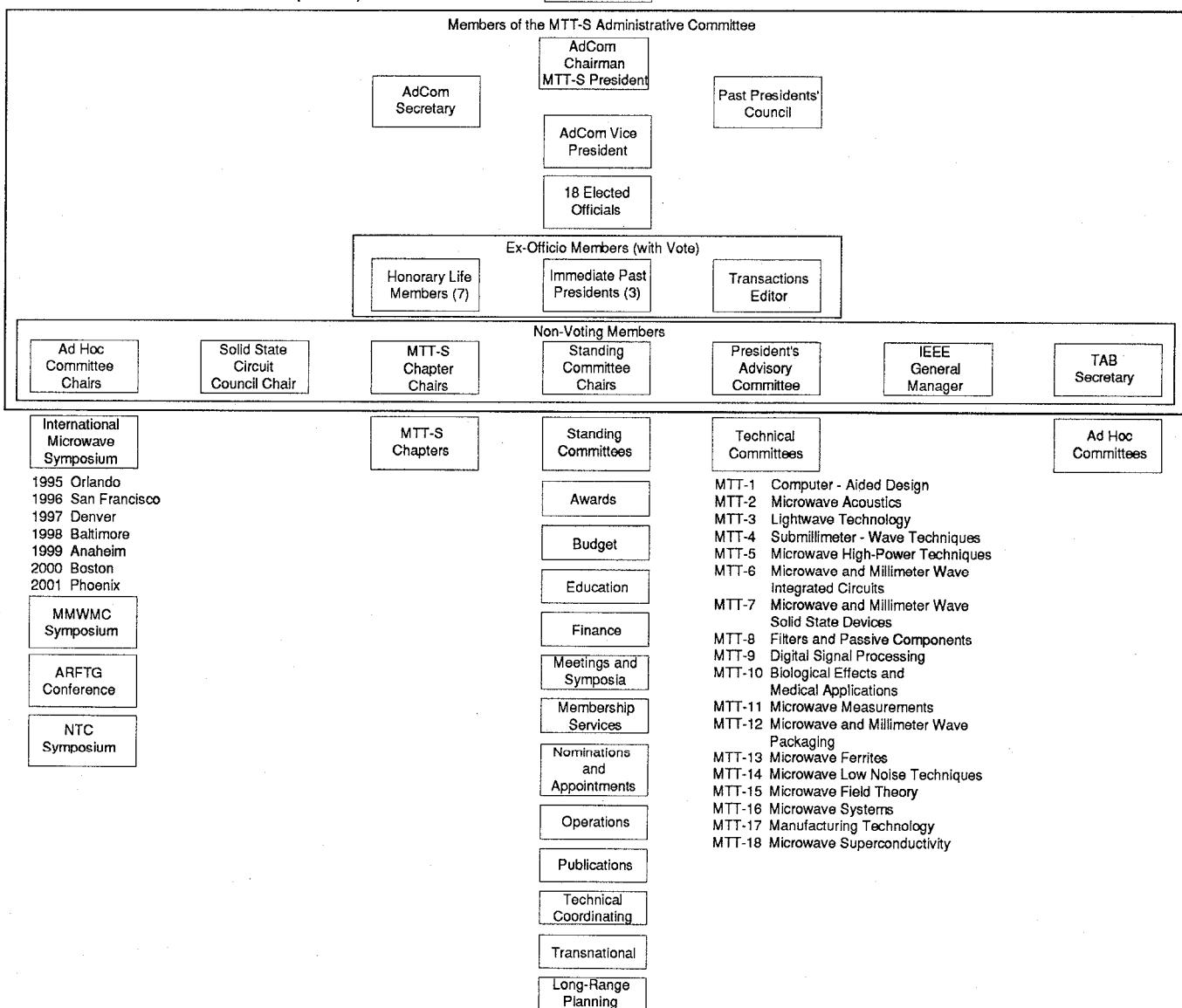
Front Row (l-r): R.J. Trew, Daniel G. Swanson, Peter Staecker, Eliot Cohen*

* Chairperson

Organization of the IEEE Microwave Theory and Techniques
Administrative Committee (AdCom)

MTT-S
Membership

The Institute of Electrical and Electronics Engineers, Inc.



1995 IEEE MTT-S ADMINISTRATIVE COMMITTEE

Plan to visit the Microwave Theory and Techniques Society Historical Collection at the Orange County Convention Center this year. The collection covers the development of microwave theory, devices, and systems and includes items which represent significant contributions to the microwave profession. Hardware, photographs, and other artifacts are displayed along with descriptive information. When this collection is not being shown at each year's symposium, it is on permanent display at the Historical Electronics Museum in Baltimore, Maryland. The Historical Exhibit area will offer a special opportunity to relax and visit during the technical session breaks and share in the experiences of the 1995 IEEE MTT-S International Microwave Symposium.

The Historical Exhibit will be open as follows:

Tuesday	9:00 am to 4:00 pm
Wednesday	9:00 am to 5:00 pm
Thursday	9:00 am to 4:00 pm

We encourage attendees and guests to use the Historical Exhibit area as a meeting place during the Symposium.