

The G-MTT Administrative Committee and the Symposium Steering Committee wish to thank the advertisers listed on the preceeding page. Without the financial support of these firms the quality of the conference services would suffer and the registration costs would increase.



AMPHENOL RF DIVISION

THE BUNKER RAMO CORPORATION

33 E FRANKLIN ST • DANBURY, CONNECTICUT 06810
TEL 203-743-9272 • TWX 710-456-0281 • TELEX 96913

Design and manufacture of
custom waveguide and coaxial components.

AIREP ELECTRONICS, INC.

6300 N Central Expressway ■ Dallas, Texas 75206 ■ Phone (214) 383-5291



Representing Microwave Manufacturers of
Sweep Generators, Amplifiers, Oscillators,
Attenuators, Power Meters, Subassemblies,
and Precision Test Equipment.

G-MTT ADMINISTRATIVE COMMITTEE

Leo Young, *Chairman*
 J. H. Bryant, *Vice-Chairman*
 R. W. Anderson, *Secretary-Treasurer*

R. W. Beatty	F. R. Arams	A. Clavin
J. H. Bryant	P.J.B. Clarricoats	H. W. Cooper
S. B. Cohn	G. I. Haddad	R. E. Henning*
A. A. Oliner	D. D. King	J. B. Horton
P. A. Rizzi	R. A. Rivers	M. C. Horton
T. S. Saad	S. W. Rosenthal*	S. Okwit
E. N. Torgow*	F.G.R. Warren	L. Young
A. C. Beck°	A. G. Clavier°	W. W. Mumford°
	G. C. Southworth°	

* *Ex officio (past chairman)*

° *Honorary Life Member*

EDITORS

G. I. Haddad, *G-MTT Transactions*
 R. H. Kingston, *JQE MTT*
 G. Wade, *JQE ED*

TECHNICAL COMMITTEES

MTT-1	Computer Oriented Microwave Practices	W. J. Getsinger
MTT-2	Microwave Acoustics	A. J. Bahr
MTT-3	Millimeter and Submillimeter Waves	D. D. King
MTT-4	Microwave Aspects of Optoelectronics and Holography	J. C. Palais
MTT-5	Microwave High Power	W. C. Brown
MTT-6	Microwave Integrated Circuits	G. R. Harrison
MTT-7	Microwave Active and Non-Linear Circuits	D. K. Adams
MTT-8	Microwaves in Space	C. M. Veronda
MTT-9	Gigahertz Logic	L. Swern

1970 G-MTT SYMPOSIUM

S. Sensiper

SYMPOSIUM COMMITTEES

J. C. Sadler, *Co-Chairman*
B. R. Hallford, *Co-Chairman*
H. F. Cooke, *Secretary*

R. W. Beatty
M. Michelson
F. E. Emery

R. E. Greenwood
J. B. Horton
J. Lange

M. B. O'Neal
S. R. Sandefer
R. R. Webster

TECHNICAL PROGRAM

J. B. Horton, *Chairman*
R. R. Webster, *Vice-Chairman*

F. R. Arams
B. C. DeLoach
D. D. King
J. E. Pippin
L. Young
E. Stern
A. Clavin
F. Clark
P.J.B. Clarricoats
England

R. W. Beatty
G. R. Harrison
W. W. Mumford
G. P. Rodrigue
H. Sobol
W. Getsinger
M. Gilden
M. C. Horton
M. M. Brady
Scandinavia
M. Uenohara
Japan

S. B. Cohn
T. M. Hyltin
S. Okwit
B. T. Vincent
G. I. Haddad
R. D. Hall
B. Hershenov
R. H. DuHamel
K. Garbrecht
Germany

LOCAL ARRANGEMENTS

S. R. Sandefer, *Co-Chairman*
R. E. Greenwood, *Co-Chairman*

C. H. Dale, Jr.
J. R. Barton
R. Collins

G. C. Bandy
D. R. Basinger
D. McQuiddy
G. Wilson

W. A. Crabtree
Mrs. G. C. Bandy
W. F. Hayes

LADIES ACTIVITIES

Mrs. J. C. Sadler
Mrs. J. E. Cunningham
Mrs. F. E. Emery
Mrs. R. E. Greenwood
Mrs. B. R. Hallford

FINANCE COMMITTEE

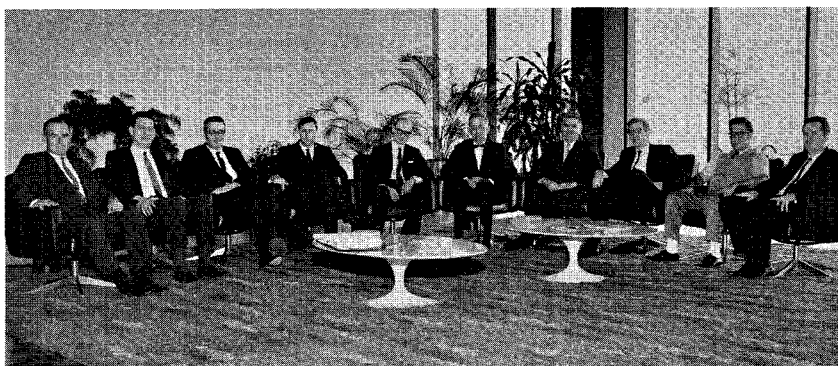
M. B. O'Neal, *Chairman*
D. A. Davis
M. E. Creecy

PUBLICITY COMMITTEE

J. Lange, *Chairman*
G. J. Policky
G. R. Pierson
S. Chandra

SYMPOSIUM DIGEST

F. E. Emery, *Chairman*
A. C. Rowe
J. E. Cunningham
E. L. Bush, *Consultant*



SYMPOSIUM STEERING COMMITTEE

L to R: Bruce O'Neal, finance; Julius Lange, publicity; Roger Webster, program; Jim Sadler, co-chairman; Ben Hallford, co-chairman; Harry Cooke, secretary; Bob Sandefer, local arrangements; Frank Emery, digest; Ron Greenwood, local arrangements; John Horton, program.



TECHNICAL PROGRAM COMMITTEE

First Row, L to R: W.J. Getsinger, E. Stern, B. Hershenov, B.T. Vincent, J.E. Pippin, J.B. Horton, Chairman. Second Row: R.H. DuHamel, R.W. Beatty, A. Clavin, D.D. King, G.R. Harrison, R.D. Hall. Third Row: G.P. Rodrigue, B.C. DeLoach, G.I. Haddad, M. Gilden, H. Sobol, L. Young, S.B. Cohn, M.C. Horton. Not Shown: R.R. Webster, F.R. Arams, T.M. Hyltin, W.W. Mumford, S. Okwit, F. Clark.