

Technical Committees

Computer-Oriented Microwave Practices

J. W. BANDLER
Dep. Elec. Eng.
McMaster Univ
Hamilton, Ont. L8S 4L7

Submillimeter-Wave Techniques

D. T. HODGES
The Aerospace Corp.
Ivan A. Gettings Labs.
P.O. Box 92957
Los Angeles, CA 90009

Microwave and Millimeter-Wave Solid-State Devices

B. BERSON
Microwave Semiconductor Division
1350 Trimble Rd.
San Jose, CA 95131

H. J. KUNO
Hughes Aircraft
3100 W. Lomita Blvd.
Torrance, CA 90509

Microwave Ferrites

C. R. BOYD, JR.
Microwave Applications Group
11019 Canoga Ave.
Chatsworth, CA 91311

Microwave Systems

J. B. HORTON
TRW, Defense & Space Systems
One Space Park M5/2476
Redondo Beach, CA 90278

Microwave Network Theory

R. LEVY
Microwave Development Labs
11 Michigan Dr.
Natick, MA 02194

Microwave Acoustics

C. S. HARTMANN
Texas Instruments, Inc.
Box 5936, MS 134
Dallas, TX 75222

Microwave High Power

H. GOLDIE
Westinghouse Electric Corp.
Advanced Technology Labs.
P.O. Box 1521, MS-3717
Baltimore, MD 21203

Microwave Biological Effects

O. P. GANDHI
Dep. Elec. Eng.
Univ. Utah
Salt Lake City, UT 84112

Microwave Low Noise

J. J. WHELEHAN, JR.
AIL—A Div. of Cutler Hammer
Walt Whitman Rd
Melville, NY 11746

Digital Microwave Systems

P. T. GREILING
Hughes Res. Labs
3011 Malibu Canyon Rd.
Malibu, CA 90265

Fiber and Integrated Optics

W. S. C. CHANG
Washington Univ
Dep. Elec. Eng.
Box 1115
St. Louis, MO 63130

Microwave and Millimeter-Wave Integrated Circuits

E. F. BELOHOUBEK
RCA Labs.
Princeton, NJ 08540

Microwave Measurements

E. L. KOMAREK
Nat. Bureau Standards
Section 272.5
Boulder, CO 80302

Microwave Field Theory

T. ITOH
Dep. Elec. Eng.
The Univ. Texas, Austin
Box 7728
Austin, TX 78712

Technical Committee Coordinator

J. B. HORTON
TRW, Defense & Space Systems
One Space Park M5/2476
Redondo Beach, CA 90278

EDITORIAL BOARD

Editor

J. L. Allen

A. T. Adams
J. L. Allen
D. B. Anderson
J. A. Arnaud
J. R. Ashley
A. J. Bahr
J. W. Bandler
R. H. T. Bates
P. Bhartia
J. Bradshaw
M. Brodwin
H. Bussey
K. S. Champlin
A. Clavin
S. B. Cohn
R. E. Collin
E. Cristal
W. R. Curtice
J. B. Davies
L. E. Davis
M. E. Davis
E. Denlinger
C. H. Durney
R. Eisenhart
R. V. Garver
V. G. Gelinovatch
J. W. Gewartowski
A. Gopinath
A. W. Guy
U. Gysel
G. I. Haddad
M. A. K. Hamid

W. Harth
R. F. Harrington
G. L. Heiter
J. Helszajn
M. E. Hines
W. J. R. Hoefer
W. E. Hord
M. C. Horton
W. J. Ince
T. Itoh
A. J. Kelly
P. Khan
R. H. Knerr
Y. Konishi
M. K. Krage
J. G. Kretzschmar
W. H. Ku
K. Kurokawa
R. Levy
L. Lewin
J. C. Lin
T. Makimoto
D. Marcuse
D. Masse
G. L. Matthaei
R. Mittra
W. W. Mumford
H. Okean
K. Oscar
D. Parker
J. Perini
B. S. Perlman

R. A. Pucel
J. P. Quine
J. D. Rhodes
E. Rivier
G. P. Rodrigue
F. J. Rosenbaum
A. Saleh
E. W. Sard
M. V. Schneider
W. E. Schroeder
P. Silvester
H. Sobol
P. I. Somlo
B. E. Spielman
W. Steenaart
W. H. Steier
H. E. Sunehefner
W. Streifer
J. J. Taub
F. J. Tischer
W. C. Tsai
J. Van Bladel
W. A. G. Voss
J. R. Wait
J. A. Weiss
R. J. Wenzel
H. A. Wheeler
L. A. Whicker
J. F. White
I. Wolff
Y. S. Wu
E. Yamashita
L. Young

INSTITUTIONAL LISTINGS

The IEEE Microwave Theory and Techniques Society is grateful for the assistance given by the firms listed below, and invites application for Institutional Listing from other firms interested in the microwave field.



MICROWAVE ASSOCIATES, INC.
Burlington, Mass. 01803 (617) 272-3000
Dunstable, Beds, U.K., Dunstable 601441

Semiconductors, Tubes, Components Sources, Switches,
Ferrites, Subassemblies, Communication Systems



TRANSCO PRODUCTS, INC.
4241 Glencoe Ave., Venice, Calif. 90291
(213) 822-0800

Products to direct RF energy . . . Coaxial & Waveguide
Switches, Antennas, Filters, Hybrids, Couplers, Multiplexers,
Power Dividers, RF & Antenna Subsystems



RANDTRON SYSTEMS
130 Constitution Dr.
Menlo Park, Calif. 94025

Design, Development, & Production
Active and Passive Antenna Systems, Fixed and Gimballed
Microwave Receivers, Multichannel Rotary Joints



MICROWAVE APPLICATIONS GROUP
10019 Canoga Avenue
Chatsworth, California 91311
(213) 882-7333

Design, Development and Production of—
• Precision microwave components and instrumentation
• Phase shifters for phased array antennas, filters
• Diplexers, isolators, circulators



MAURY MICROWAVE CORPORATION

PRECISION MICROWAVE COMPONENTS & INSTRUMENTATION

CUCAMONGA CALIFORNIA 91730 U.S.A. • TELEPHONE 714 987 4715

Waveguide & Coaxial Devices DC to 40 GHz & beyond
1 CM/I W Transmission Lines & Components, mm Coaxial Connectors
Connector Gages, Cryogenic Terminations, ANA Calibration Kits

narda

THE NARDA MICROWAVE CORPORATION
75 Commercial Street, Plainview, N.Y., 11803 - (516) 433-9000

Microwave Test Equipment & Devices, Sweepers, Couplers,
Attenuators, PIN Switches & Detectors, Gunn Oscillators,
GaAs FET Solid State Amplifiers

An Institutional Listing recognizes contributions to support the publication of the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. Minimum rates are \$60.00 for listing in one issue; \$260.00 for six consecutive or alternate issues; \$440.00 for twelve consecutive issues. Larger contributions will be most welcome. No agency fee is granted for soliciting such contributions. Inquiries, or contributions made payable to the IEEE, plus instructions on how you wish your Institutional Listing to appear, should be sent to Mel Bonaviso, The Institute of Electrical and Electronics Engineers, 345 East 47 Street, New York, NY 10017.