

CONTENTS

Welcome Dr. Stephen Adam, Steering Committee Chairman	iii
Table of Contents	vi
Steering Committee	2
Message From the Technical Program Committee Chairman Dr. Ferdo Ivanek	4
Technical Program Committee	5
MTT-S Administrative Committee	10
Microwave Career Award	12
Microwave Applications Award	13
1984 MTT-S Microwave Prize	14
Distinguished Service Award	15
Centennial Awards	16
1983 Fellows of the IEEE/MTT-S	17
1983/84 Distinguished Microwave Lecturer	18
Panel Sessions	19
Workshops	20
MTT-S Symposium Technical Program Outline	23
(For Contents of Technical Sessions and Papers See pages vi–xxviii)	
IEEE/MTT-S International Symposium Future Locations	578
Monolithic Symposium Technical Program Outline	579
Exhibition Floor Plan	583
List of Exhibitors	585
Exhibition Guide	587
Street map of Convention Vicinity	597
Schedule of additional meetings and events at the 1983 IEEE/MTT-S International Microwave Symposium	605

ABOUT OUR COVER: Recently named a National Historical Engineering Landmark, the Stanford Linear Accelerator Center is located about 35 miles south of San Francisco. It is one of the largest microwave installations in the world, consisting of 245 klystron amplifiers each capable of 35 to 50 Megawatt peak power output. The dashed outline shows the location of the SPEAR storage ring.

TABLE OF CONTENTS

TECHNICAL PROGRAM Wednesday Morning, May 30, 1984

WELCOME MAIN ARENA (CIVIC AUDITORIUM) PLENARY SESSION

- 8:30 Conference Chairman
Stephen Adam
Hewlett-Packard Co., Palo Alto, CA
- 8:40 MTT-S President
H. G. Oltman, Jr.
Hughes Aircraft Co., Canoga Park, CA
- 8:50 Technical Program Committee Chairman
F. Ivanek
Harris Corp., San Carlos, CA
- 9:00 Keynote Address
John A. Young
President and Chief Executive Officer, Hewlett-Packard Co., Palo Alto, CA

SESSION 1

MONOLITHIC MILLIMETER-WAVE CIRCUITS

LARKIN HALL (B)

- 10:30 Co-chairmen: B. E. Spielman
NRL, Washington, DC
R. W. Sudbury
MIT Lincoln Lab, Lexington, MA 37
- 1-1 A 69 GHz MONOLITHIC FET OSCILLATOR
10:40 D. W. Maki, J. M. Schellenberg, H. Yamasaki, L. C. T. Liu
Hughes Aircraft Company, Torrance, CA 39
- 1-2 A W-BAND MONOLITHIC GaAs CROSSBAR MIXER
11:00 L. T. Yuan
Hughes Aircraft Company, Torrance, CA 44
- 1-3 94 GHz PLANAR GaAs MONOLITHIC BALANCED MIXER
11:20 P. Bauhahn, T. Contolatis, J. Abrokwhah, C. Chao, C. Seashore
Honeywell, Bloomington, MN 47
- 1-4 GaAs MONOLITHIC FREQUENCY DOUBLERS WITH SERIES CONNECTED
11:40 VARACTOR DIODES
A. Chu, W. E. Courtney, L. J. Mahoney, R. W. McClelland, H. A. Atwater
MIT, Lincoln Laboratory, Lexington, MA 51

TABLE OF CONTENTS (Cont'd)

SESSION 2	FIELD THEORY OF GUIDING STRUCTURES	LARKIN HALL (A)
10:30	Chairman: J. Knorr Naval Postgraduate School, Monterey, CA	57
2-1 10:40	SPACE DOMAIN DECOUPLING OF LSE AND LSM FIELDS IN GENERALIZED PLANAR GUIDING STRUCTURES A. S. Omar, K. Schünemann Technische Universitaet Hamburg-Harburg, Hamburg, F.R. Germany	59
2-2 11:00	SIMPLE AND ACCURATE EXPRESSIONS FOR THE DOMINANT MODE PROPERTIES OF OPEN GROOVE GUIDE A. A. Oliner, P. Lampariello Polytechnic Institute of New York, Brooklyn, NY	62
2-3 11:20	FOURIER TRANSFORMED MATRIX METHOD OF FINDING PROPAGATION CHARACTERISTICS OF COMPLEX ANISOTROPIC LAYERED MEDIA C. M. Krowne Naval Research Lab, Washington, D.C.	65
2-4 11:40	THEORY AND EXPERIMENT PREDICTING THE CUTOFF FREQUENCIES FOR A RECTANGULAR STRIPLINE R. Lampe, P. Klock, D. Tanner, P. Mayers University of Illinois, Urbana, IL	68
2-5 11:50	THE SIMULATION OF THREE-DIMENSIONAL WAVE PROPAGATION BY A SCALAR TLM-MODEL D. Choi, W. J. R. Hoefer University of Ottawa, Ottawa Ontario, Canada	70
 SESSION 3	 ACOUSTIC AND MAGNETIC DEVICES	 POLK HALL
10:30	Chairman: T. Lukaszek U.S. Army Electronics Command, Fort Monmouth, NJ	75
3-1 10:40	YIG OSCILLATORS: IS A PLANAR GEOMETRY BETTER? R. L. Carter, J. M. Owens, D. K. De University of Texas, Arlington, TX	77
3-2 11:00	A 94 GHz SUSPENDED STRIPLINE CIRCULATOR M. H. Arain Hughes Aircraft Co., Torrance, CA	78

TABLE OF CONTENTS (Cont'd)

3-3	RECENT DEVELOPMENTS IN SAW DEVICE APPLICATIONS	
11:10	K. Lau TRW, Redondo Beach, CA	80
3-4	FUNDAMENTAL-MODE PIERCE OSCILLATORS UTILIZING BULK-ACOUSTIC-WAVE	
11:30	RESONATORS IN THE 250-300 MHz RANGE S. G. Burns, R. S. Ketcham Iowa State University, Ames, IA	83
3-5	PASSIVE MAGNETOSTATIC WAVE PULSE COMPRESSION LOOP	
11:40	K. W. Chang, L. R. Carter, J. M. Owens University of Texas, Arlington, TX D. Gerli Segnalamento Marittimo E. Aereo, Firenze, Italy	85
3-6	MAGNETOSTATIC VOLUME WAVE DELAY LINES WITH STEPPED GROUND PLANES	
11:50	J. D. Adam Westinghouse Electric Corp., Pittsburgh, PA	87

Wednesday Afternoon, May 30, 1984

SESSION 4

LARKIN HALL (B)

Joint Session of MTT-S and MW & mmW Monolithic DEVICES AND MONOLITHIC CIRCUIT ELEMENTS

1:30	Co-chairmen: D. R. Chen Microwave Monolithics, Simi Valley, CA M. N. Yoder ONR, Arlington, VA	91
4-1	CALIBRATION METHODS FOR MICROWAVE WAFER PROBING	
1:40	E. W. Strid, E. R. Gleason Tektronix, Inc., Beaverton, OR	93
4-2	LOW NOISE HIGH ELECTRON MOBILITY TRANSISTORS	
2:00	J. Berenz, K. Nakano, K. Weller TRW, Redondo Beach, CA	98
4-3	HIGH EFFICIENCY GaAs MBE POWER FET FOR Ka-BAND	
2:20	J. Geddes, V. Sokolov, T. Contolatis, J. Abrokwhah, W. Larson Honeywell, Bloomington, MN	102

TABLE OF CONTENTS (Cont'd)

4-4 2:40	HIGHLY ACCURATE DESIGN OF SPIRAL INDUCTORS FOR MMIC's WITH SMALL SIZE AND HIGH CUT-OFF FREQUENCY CHARACTERISTICS M. Parisot, Y. Archambault, D. Pavlidis, J. Magarshack Thompson-CSF, France	106
-------------	---	-----

SESSION 5

LARKIN HALL (A)

COMPONENT APPLICATIONS OF FIELD THEORY

1:30	Chairman: E. J. Denlinger RCA Laboratories, Princeton, NJ	113
5-1 1:40	COUPLING BETWEEN A DIELECTRIC RESONATOR AND A DIELECTRIC IMAGE GUIDE P. Guillon, F. Farzaneh Lab de Communications Microondes et Optiques, Limoges, France	115
5-2 2:00	MICROWAVE NETWORK ANALYSIS OF A LEAKY-WAVE STRUCTURE IN NON-RADIATIVE DIELECTRIC WAVEGUIDE A. Sanchez, A. A. Oliner Polytechnic Institute of New York, Brooklyn, NY	118
5-3 2:20	MODE PROPAGATION THROUGH A STEP DISCONTINUITY IN DIELECTRIC PLANAR WAVEGUIDE H. Shigesawa, T. Tsuji Doshisha University, Kyoto, Japan	121
5-4 2:40	PLANAR CIRCUIT ANALYSIS OF MICROSTRIP RADIAL STUB F. Giannini, R. Sorrentino, J. Vrba University of Rome, Rome, Italy	124
5-5 2:50	SCATTERING PARAMETERS OF AXIAL INDUCTIVE STRIPS IN RECTANGULAR WAVEGUIDE Y. Shih Naval Postgraduate School, Monterey, CA	126

TABLE OF CONTENTS (Cont'd)

SESSION 6		POLK HALL
	BIOMEDICAL ASPECTS OF MICROWAVES	
1:30	Chairman: A. Rosen RCA Laboratories, Princeton, NJ	131
6-1	MICROSTRIP SPIRAL ANTENNA FOR LOCAL HYPERTHEMIA	
1:40	T. Tanabe, A. H. McEuen, S. Caslow, C. S. Norris Varian Associates, Inc. Palo Alto, CA T. V. Samulski, P. Fessenden Stanford University, Stanford, CA	133
6-2	AN APPROACH OF THE SLOT ANTENNA RADIATING IN MUSCLE	
1:50	P. Pribetich, P. Kennis, C. Seguinot, P. Gamand Centre Hyperfréquences et Semiconducteurs, Villeneuve d' Ascq, Cedex, France S. Toutain, P. Gelin Ecole Nationale Supérieure des Télécommunications de Bretagne, Brest, France	135
6-3	ENHANCING THE EFFICACY OF THERMOTHERAPY BY MONITORING	
2:00	CHANGES IN TUMOR BLOOD FLOW F. Sterzer, R. W. Paglione RCA Laboratories, Princeton, NJ A. Winter, J. Laing The Hospital Center at Orange, Orange, NJ E. Friedenthal, J. Mendecki, C. Botstein Albert Einstein College of Medicine, Bronx, NY	140
6-4	SPECIFIC ABSORPTION RATE DISTRIBUTION IN A MODEL OF MAN AT	
2:10	VARIOUS POLARIZATIONS A. Kraszewski, M. A. Stuchly, S. S. Stuchly, G. Hartsgrrove University of Ottawa, Ottawa, Canada	142
6-5	A THREE-BAND MICROWAVE RADIOMETER FOR NONINVASIVE	
2:30	TEMPERATURE MEASUREMENT S. Mizushima, H. Oh-i-shi, Y. Hamamura Shizuoka University, Hamamatsu, Japan	145
6-6	MICROWAVE AND INFRARED THERMOGRAMS OF HOT SPOTS IN TISSUE	
2:50	G. Schaller Universitaet Erlangen—Nuerberg, Erlangen, F.R. Germany	148

TABLE OF CONTENTS (Cont'd)

Wednesday Late Afternoon, May 30, 1984

SESSION 7

MAIN ARENA

OPEN FORUM I

3:30	OPEN FORUM I	153
7-1 3:30	AN ULTRA LOW TRANSIENT GaAs VHF SWITCH D. W. White MIT Lincoln Lab, Lexington, MA	155
7-2 3:30	LARGE SIGNAL UPPER-SIDEBAND VARACTOR UPCONVERTER LINEARIZATION E. Loeser Technical University Braunschweig, Braunschweig, F.R. Germany	158
7-3 3:30	A SOLID STATE, X-BAND, EXCITER/LOCAL OSCILLATOR/DOWN CONVERTER SUBSYSTEM FOR AN AIRBORNE, COHERENT RADAR FIRE CONTROL SYSTEM J. B. Vuong, A. M. Madni, L. A. Wan Systron Donner Corp., Van Nuys, CA G. Keogh Emerson Electric Company, St. Louis, MO	161
7-4 3:30	DISTRIBUTED GaAs FET CIRCUIT MODEL FOR BROADBAND AND MILLIMETER WAVE APPLICATIONS R. LaRue, C. Yuen, G. Zdasiuk Varian Associates, Palo Alto, CA	164
7-5 3:30	V-BAND DOUBLE-DRIFT READ SILICON IMPATTs Y. E. Ma, E. M. Nakaji, W. F. Turner Hughes Aircraft Co., Torrance, CA	167
7-6 3:30	FIELD ANALYSIS OF MILLIMETER-WAVE GaAs DOUBLE-DRIFT IMPATT DIODE IN THE TRAVELLING-WAVE MODE Y. Fukuoka, T. Itoh University of Texas, Austin, TX	169
7-7 3:30	W-BAND GaAs GUNN DIODE HARMONIC POWER COMBINER Z. Sun, S. Li Nanjing Institute of Technology, Nanjing, China	172

TABLE OF CONTENTS (Cont'd)

7-8 3:30	A WIDEBAND 60 GHz 16-WAY POWER DIVIDER/COMBINER NETWORK T. Hsu, M. Simonutti TRW ESG, Redondo Beach, CA	175
7-9 3:30	A TWO-FREQUENCY METHOD FOR IMPEDANCE MEASUREMENT IN FREQUENCY-HALVING NETWORKS R. G. Harrison, G. A. Kalivas Carleton University, Ottawa, Ontario, Canada	178
7-10 3:30	PARALLEL FEEDBACK FET DRO DESIGN USING 3-PORT S-PARAMETERS APS Khanna Loral Advanced Technology Labs, Lanham, MD	181
7-11 3:30	OPTIMUM DESIGN OF SHIELDED DIELECTRIC ROD AND RING RESONATORS FOR OBTAINING THE BEST MODE SEPARATION Y. Kobayashi, M. Miura Saitama University, Urawa, Saitama, Japan	184
7-12 3:30	INHOMOGENEOUS OPEN-ENDED RESONATORS AS MICROWAVE SENSOR ELEMENTS H. Moschüring, Ingo Wolff Duisburg University, Duisburg, F.R. Germany	187
7-13 3:30	A COMPOSITE, MULTILAYERED CYLINDRICAL DIELECTRIC RESONATOR M. Dospieszalski University of Virginia, Charlottesville, VA	190
7-14 3:30	COMPUTED MODAL FIELD DISTRIBUTIONS OF ISOLATED DIELECTRIC RESONATORS D. Kajfez, A. W. Glisson, J. James University of Mississippi, University, MS	193
7-15 3:30	DISC-TYPE RESONATOR MOUNT IN RECTANGULAR WAVEGUIDE M. E. Bialkowski University of Queensland, St. Lucia, Brisbane, Australia	196
7-16 3:30	MINIATURIZED CHANNEL DROPPING FILTER USING TM_{010} MODE DIELECTRIC RESONATOR K. Wakino, T. Nishikawa, Y. Ishikawa Murata Mfg. Co. Ltd., Kyoto, Japan	199

TABLE OF CONTENTS (Cont'd)

7-17 3:30	DIELECTRIC WAVEGUIDE GRATING DESIGN FOR BAND-STOP AND BAND-PASS FILTER APPLICATIONS D. C. Park, G. L. Matthaei, M. S. Wei University of California, Santa Barbara, CA	202
7-18 3:30	LOSSY HYBRID COUPLED AMPLITUDE EQUALIZERS FOR NARROW BAND FILTERS R. V. Snyder R. S. Microwave Co., Inc., Butler, NJ	205

Thursday, Early Morning, May 31, 1984

SESSION 8

LARKIN HALL (B)

FET AMPLIFIERS

8:30	Chairman: S. Temple Raytheon Company, Bedford, MA	213
8-1 8:40	REFLECTIVE MATCH, LOSSY MATCH, FEEDBACK AND DISTRIBUTED AMPLIFIERS: A COMPARISON OF MULTIOCTAVE PERFORMANCE CHARACTERISTICS K. B. Niclas Watkins Johnson Co., Palo Alto, CA	215
8-2 9:00	A 1 WATT, 8-17 GHz FET POWER AMPLIFIER T. Dao, W. C. Tsai, R. Healy, B. Liles Raytheon Co., Northborough, MA	218
8-3 9:20	A SOLID-STATE 2-10 GHz 1 WATT TWT REPLACEMENT AMPLIFIER A. M. Pavio, D. L. Allen, S. D. Thompson, S. J. Goldman Texas Instruments Inc., Dallas, TX	221
8-4 9:30	THIRD-ORDER NONLINEARITY OF GaAs MESFETs J. H. Abeles, S. H. Wemple, W. D. S. Schlosser, J. P. Beccone Bell Laboratories, Murray Hill, NJ	224
8-5 9:50	A 1.5 WATT, 28 GHz BAND AMPLIFIER T. Takagi, K. Seino, Y. Ikeda, O. Ishihara, F. Takeda Mitsubishi Electric Corp., Kamakura City, Japan	227

TABLE OF CONTENTS (Cont'd)

SESSION 9	FILTERS	LARKIN HALL (A)
8:30	Chairman: R. V. Snyder R. S. Microwave, Butler, NJ	231
9-1 8:40	MILLIMETER-WAVE MULTIPLEXER WITH PRINTED CIRCUIT ELEMENTS FOR THE 88-100 GHz FREQUENCY RANGE L. D. Cohen, N. Worontoff, J. Levy, A. Harvey Eaton Corp. AIL Div., Deer Park, NY	233
9-2 9:00	BROADBAND MILLIMETER-WAVE E-PLANE BANDPASS FILTERS L. Q. Bui, D. Ball Hughes Aircraft Co., Torrance, CA	236
9-3 9:10	ANALYSIS AND DESIGN OF EVANESCENT-MODE WAVEGUIDE DIELECTRIC RESONATOR FILTERS Y. C. Shih, K. G. Gray Naval Postgraduate School, Monterey, CA	238
9-4 9:40	DIELECTRIC RESONATOR BANDPASS FILTER WITH HIGH ATTENUATION RATE P. Guillon, M. P. Chong Lab de Communications Microondes et Optiques, Limoges, Frances	240
9-5 9:40	DESIGN OF NON-RADIATIVE DIELECTRIC WAVEGUIDE FILTER T. Yoneyama, F. Kuroki, S. Nishida Tohoku University, Sendai, Japan	243
9-6 9:50	MINIATURE BAND REJECT FILTERS FOR SATELLITE APPLICATIONS J. Bowes, S. J. Fiedziuszko, J. Redd, C. Ziegler Ford Aerospace & Communications Corp., Palo Alto, CA	245
SESSION 10	SYSTEMS	POLK HALL
8:30	Chairman: G. Heiter AT & T Bell Laboratories, North Andover, MA	249
10-1 8:40	24 GHz FM-CW RADAR FOR DETECTION OF INFORMATION FOR TRAFFIC PURPOSES G. Seehausen Institut fuer Technische Elektronik der RWTH Aachen, Aachen, F.R. Germany	251

TABLE OF CONTENTS (Cont'd)

10-2 9:00	A 26 GHz HIGH PERFORMANCE MIC TRANSMITTER/RECEIVER FOR DIGITAL RADIO SUBSCRIBER SYSTEMS H. Ogawa, K. Yamamoto, N. Imai Nippon Telegraph and Telephone Public Corp., Yokosuka-shi, Japan	254
10-3 9:20	17/12 GHz COMMUNICATION RECEIVER FOR DIRECT BROADCAST SATELLITES S. S. Dhillon, P. Goldgeier, R. Sudarsanam, H. Goldberg RCA Astro-Electronics, Princeton, NJ	257
10-4 9:40	A CIRCULARLY POLARIZED ACTIVE ANTENNA ARRAY USING MINIATURE GaAs FET AMPLIFIERS H. C. Johnson, R. E. Marx, A. Sanchez, E. Mykietyn RCA Laboratories, Princeton, NJ	260

Thursday, Late Morning, May 31, 1984

SESSION 11		LARKIN HALL (B)
NOISE AND FREQUENCY STABILIZATION OF FET OSCILLATORS		
10:30	Chairman: F. N. Sechi RCA Laboratories, Princeton, NJ	265
11-1	RELATION BETWEEN DEVICE LF NOISE AND OSCILLATOR PHASE	
10:40	NOISE FOR GaAs MESFETs H. Rohdin, C. Y. Su, C. Stolte Hewlett-Packard Laboratories, Palo Alto, CA	267
11-2	A SINGLE-RESONATOR GaAs FET OSCILLATOR WITH NOISE DEGENERATION	
11:00	M. J. Bianchini, J. B. Cole, R. DiBiase, Z. Galani, R. W. Laton, R. C. Waterman, Jr. Raytheon Co., Bedford, MA	270
11-3	A NEW METHOD OF REDUCING PHASE NOISE IN GaAs FET OSCILLATORS	
11:20	A. N. Riddle, R. J. Trew North Carolina State University, Raleigh, NC	274
11-4	DIGITAL AND ANALOG FREQUENCY-TEMPERATURE COMPENSATION OF	
11:40	DIELECTRIC RESONATOR OSCILLATORS J. Lee, J. E. Andrews, K. W. Lee, W. R. Day Varian Associates, Santa Clara, CA	277

TABLE OF CONTENTS (Cont'd)

SESSION 12	COMMUNICATIONS FILTERS	LARKIN HALL (A)
10:30	Chairman: H. C. Bell Wavecom Div. of Loral Corp., Northridge, CA	283
12-1	"ENGINE-BLOCK" DUAL MODE DIELECTRIC RESONATOR LOADED CAVITY	
10:40	FILTER WITH NONADJACENT CAVITY COUPLINGS S. J. Fiedziuszko Ford Aerospace & Communications Corp., Palo Alto, CA	285
12-2	NARROW BANDPASS FILTERS USING THE HIGH Q CYLINDRICAL TE_{0ml}	
11:00	RESONATOR MODES R. R. Bonetti, A. E. Williams Comsat Laboratories, Clarksburg, MD	288
12-3	PREDISTORTION TECHNIQUES FOR MULTIPLE-COUPLED RESONATOR FILTERS	
11:10	A. E. Williams, W. G. Bush, R. R. Bonetti Comsat Laboratories, Clarksburg, MD	290
12-4	NOVEL LOWPASS HARMONIC FILTERS FOR SATELLITE APPLICATION	
11:20	A. M. K. Saad Com Dev Limited, Cambridge, Ontario, Canada	292
12-5	A 12 GHz 12 CHANNEL CONTIGUOUS MULTIPLEXER FOR SATELLITE	
11:40	APPLICATIONS S. C. Holme Ford Aerospace & Communications Corp., Palo Alto, CA	295
12-6	A 12-CHANNEL CONTIGUOUS BAND MULTIPLEXER FOR SATELLITE APPLICATION	
11:50	R. Tong, D. Smith Com Dev Limited, Cambridge, Ontario, Canada	297
 SESSION 13		 POLK HALL
SYSTEMS TOPICS		
10:30	Chairman: J. B. Horton TRW, Redondo Beach, CA	301
13-1	A PLANAR 4.0 GHz REACTIVELY STEERED ADAPTIVE ARRAY	
10:40	R. J. Dinger Naval Weapons Center, China Lake, CA	303

TABLE OF CONTENTS (Cont'd)

13-2	THERMAL NOISE AND RF SPECTRUM OF A MICROWAVE	
11:00	CAVITY-OSCILLATOR	
	B. Villeneuve, P. Tremblay, M. Tetu	
	Laval University, Quebec, Canada	306

13-3	TWTA LINEARIZER USING DUAL-GATE MESFETS	
11:20	M. Kumar, J. C. Whartenby	
	RCA Laboratories, Princeton, NJ	314

Thursday Early Afternoon, May 31, 1984

SESSION 14	OPEN FORUM II	MAIN ARENA
1:30	OPEN FORUM II	319
14-1	SCATTERING BY DIELECTRIC OBSTACLES INSIDE GUIDING STRUCTURES	
1:30	A. S. Omar, K. Schuenemann	
	Technische Universitaet Hamburg-Harburg, Hamburg, F.R. Germany	321
14-2	A USEFUL EQUIVALENCE FOR THE INPUT REACTANCE SEEN BY THE	
1:30	COAXIAL LINE IN A BROADWALL COAXIAL-MICROSTRIP LAUNCHER	
	C. D. Gupta, R. S. Tomar	
	Indian Institute of Technology, Kanpur, India	324
14-3	GENERALIZED SPECTRAL DOMAIN ANALYSIS OF PLANAR STRUCTURES	
1:30	HAVING SEMI-INFINITE GROUND PLANES	
	H. Lee, V. K. Tripathi	
	Oregon State University, Corvallis, OR	327
14-4	AN IMPROVED MODEL FOR SHORT- AND OPEN-CIRCUITED SERIES STUB	
1:30	IN FIN-LINES	
	M. Burton, W. J. R. Hoefer	
	University of Ottawa, Ottawa, Ontario, Canada	330
14-5	ACCURATE AND SIMPLE FORMULAS FOR DISPERSION IN FIN-LINES	
1:30	J. K. Piotrowski	
	Technical University of Warsaw, Warsaw, Poland	333

TABLE OF CONTENTS (Cont'd)

14-6	ANALYSIS AND SYNTHESIS OF TAPERED FIN-LINES	
1:30	P. Pramanick	
	University of Ottawa, Ottawa, Canada	
	P. Bhartia	
	Defence Research Establishment Ottawa, Ottawa, Canada	336
14-7	TRANSMISSION-MATRIX REPRESENTATION OF FIN-LINE DISCONTINUITIES	
1:30	A. S. Omar, K. Schuenemann	
	Technische Universitaet Hamburg-Harburg, Hamburg, F.R. Germany	339
14-8	POWER DENSITY DISTRIBUTION ANALYSIS OF FERRITE LOADED FIN-LINES	
1:30	FOR THE DEVELOPMENT OF INTEGRATED NONRECIPROCAL	
	MILLIMETER-WAVE ELEMENTS	
	A. Beyer, I. Wolff	
	Duisburg University, Duisburg, F.R. Germany	342
14-9	AN AUTOMATIC MATERIAL PARAMETER MEASUREMENT SYSTEM	
1:30	A. Beyer, W. Mueller-Gronau, I. Wolff	
	Duisburg University, Duisburg, F.R. Germany	345
14-10	THE METHOD OF LINES FOR THE ANALYSIS OF PLANAR WAVEGUIDES WITH	
1:30	MAGNETIZED FERRITE SUBSTRATE	
	R. Pregla	
	Fern Universitaet, Hagen, F.R. Germany	348
14-11	MAGNETOSTATIC WAVE DELAY LINES USING THE NON-UNIFORMLY	
1:30	MAGNETIZED YIG FILMS	
	M. Tsutsumi, T. Sakurai, N. Kumagai	
	Osaka University, Osaka, Japan	351
14-12	EDGE-GUIDED MAGNETOPLASMONS ON CURVED INTERFACES IN	
1:30	SUBMILLIMETER-WAVE DEVICES	
	D. M. Bolle, J. F. Wagen	
	Lehigh University, Bethlehem, PA	354
14-13	COHERENT TRANSMITTER CONSIDERATIONS UTILIZING INJECTION LOCKED	
1:30	MAGNETRONS	
	W. S. Best	
	Naval Weapons Center, China Lake, CA	
	R. W. Laton	
	Raytheon Co., Bedford, MA	
	V. H. Smith	
	M-O Valve Co., Ltd., London, England, U.K.	356

TABLE OF CONTENTS (Cont'd)

14-14	HIGH-HARMONIC GYROTRON OSCILLATORS AND GYRO-KLYSTRON AMPLIFIERS	
1:30	D. B. McDermott, D. S. Furuno, N. C. Luhmann, Jr. University of California, Los Angeles, CA	359
14-15	A FEASIBILITY STUDY TO MONITOR SOIL MOISTURE CONTENT USING	
1:30	MICROWAVE SIGNALS E. Bahar, J. D. Saylor University of Nebraska, Lincoln, NE	362
14-16	PERFORMANCE CHARACTERISTICS OF THE THIN-FILM, ETCHED-CIRCUIT	
1:30	RECTENNA W. C. Brown Raytheon Co., Waltham, MA	365
14-17	A STABILIZED BROADBAND CORRELATOR FOR MEDICAL MICROWAVE	
1:30	THERMOGRAPHY J. C. Hill Enon Microwave Inc., Topsfield, MA R. Goldner Tufts University, Medford, MA	368

Friday, Early Morning, June 1, 1984

SESSION 15		LARKIN HALL (B)
	SEMICONDUCTOR CONTROL AND FREQUENCY CONVERSION	
8:30	Chairman: J. F. White MACOM Inc., Burlington, MA	373
15-1	OCTAVE-BAND HIGH PRECISION BALANCED MODULATOR	
8:40	Z. Adler, B. Smilowitz General Microwave Corp., Farmingdale, NY	375
15-2	MULTI-OCTAVE PHASE MODULATORS	
9:00	T. Tadeusz, J. Zborowska, P. Miazga Technical University of Warsaw, Warsaw, Poland	378
15-3	NOVEL GaAs FET PHASE DETECTOR OPERABLE TO Ka BAND	
9:20	T. Takano, Y. Tozawa, T. Shima, T. Kato, H. Komizo, H. Yatsuka Fujitsu Ltd., Kawasaki, Japan	381

TABLE OF CONTENTS (Cont'd)

15-4	A FET L BAND PHASE/AMPLITUDE CONTROL MODULE	
9:40	A. Presser	
	RCA Laboratories, Princeton, NJ	384

SESSION 16

LARKIN HALL (A)

MILLIMETER-WAVE APPLICATIONS

8:30	Chairman: J. E. Raue	
	TRW, Redondo Beach, CA	389
16-1	FUNDAMENTAL WAVE INJECTION LOCKED SECOND HARMONIC GUNN	
8:40	OSCILLATORS	
	H. Barth	
	AEG-Telefunken, Ulm, F.R. Germany	391
16-2	EFFICIENT, BROADBAND CIRCUIT PERFORMANCE OF MILLIMETER-WAVE	
9:00	IMPATT-DIODE POWER AMPLIFIERS	
	D. F. Peterson	
	Steinbrecher Corp., Woburn, MA	394
16-3	ACTIVE PHASE SHIFTERS FOR THE MILLIMETER AND MICROWAVE BANDS	
9:20	L. D. Cohen	
	Eaton Corp., AIL Div., Deer Park, NY	397
16-4	HIGH POWER BROADBAND 35 GHz WAVEGUIDE SWITCH USING A	
9:40	MONOLITHIC DIODE ARRAY	
	A. L. Armstrong, D. E. Wheeler, J. Goodrich	
	M/A-COM Millimeter Co., Burlington, MA	400
16-5	LARGE SIGNAL ANALYSIS OF NONLINEAR MICROWAVE SYSTEMS	
9:50	M. B. Steer, P. J. Khan	
	North Carolina State University, Raleigh, NC	402

SESSION 17

POLK HALL

MIC TECHNIQUES

8:30	Chairman: R. L. Camisa	
	RCA Laboratories, Princeton NJ	407
17-1	QUASI LUMPED-ELEMENT 3- AND 4-PORT NETWORKS FOR MIC AND	
8:40	MMIC APPLICATIONS	
	R. Gupta, W. J. Getsinger	
	COMSAT Laboratories, Clarksburg, MD	409

TABLE OF CONTENTS (Cont'd)

17-2 9:00	AN MMIC/MIC-TO-WAVEGUIDE TRANSITION FOR SINGLE- AND DUAL-POLARIZATION SYSTEMS B. D. Geller, A. I. Zaghloul COMSAT Laboratories, Clarksburg, MD	412
17-3 9:10	TRANSVERSE RESONANCE ANALYSIS OF FIN-LINE DISCONTINUITIES R. Sorrentino, T. Itoh University of Texas, Austin, TX	414
17-4 9:30	QUARTER WAVE TRANSFORMERS FOR MATCHING TRANSITIONS BETWEEN WAVEGUIDES AND FIN-LINES C. J. Verver Communications Research Center, Ottawa, Ontario, Canada W. J. R. Hoefer University of Ottawa, Ottawa, Ontario, Canada	417
17-5 9:50	SYNTHESIS OF OPTIMUM FIN-LINE TAPERS C. Schieblich, J. H. Hinken Technische Universitaet Hamburg-Harburg, Hamburg, F.R. Germany	420

Friday, Late Morning, June 1, 1984

SESSION 18	FET MODELING AND NOVEL STRUCTURES	LARKIN HALL (B)
10:30	Chairman: M. Kumar RCA Laboratories, Princeton, NJ	425
18-1 10:40	SELF-CONSISTENT FET MODELS FOR AMPLIFIER DESIGN AND DEVICE DIAGNOSTICS W. R. Curtice, R. L. Camisa RCA Laboratories, Princeton, NJ	427
18-2 11:00	MODELING OF NONLINEAR DISTORTION IN GaAs MESFETs R. J. Gilmore, F. J. Rosenbaum Central Microwave Co., St. Louis, MO	430
18-3 11:10	ANALYSIS AND DESIGN OF GaAs MESFET MIXERS S. A. Maas University of California, Los Angeles, CA	432

TABLE OF CONTENTS (Cont'd)

18-4	A LOW NOISE AlGaAs/GaAs FET WITH P ⁺ GATE AND SELECTIVELY DOPED STRUCTURE		
11:20	K. Ohata, H. Hida, H. Miyamoto NEC Corp., Kawasaki, Japan		434
18-5	A 6 WATT 6 GHz GaAs FET POWER MODULE WITH GaAs MATCHING CIRCUITS		
11:40	F. M. Magalhaes, J. P. Beccone, J. C. Irvin, S. J. Perelli, W. O. Schlosser Bell Laboratories, Murray Hill, NJ		437
18-6	A C-BAND 10 WATT GaAs POWER FET		
11:50	J. Fukaya, M. Ishii, M. Matsumoto, Y. Hirano Fujitsu Ltd., Kawasaki, Japan		439
SESSION 19		LARKIN HALL (A)	
	MILLIMETER-WAVE TECHNIQUES		
8:30	Chairman: M. Dydyk Motorola Inc, Scottsdale, AZ		443
19-1	60 GHz INTEGRATED CIRCUIT QUADRIPHASE EXCITER AND MODULATOR		
10:40	A. Grote, K. Chang TRW ESG, Redondo Beach, CA		445
19-2	SILICON MILLIMETER-WAVE INTEGRATED CIRCUITS TECHNOLOGY		
11:00	P. J. Stabile, A. Rosen, W. M. Janton, A. Gombar, B. S. Yarman, M. Kolan RCA Laboratories, Princeton, NJ		448
19-3	MONOLITHIC ANTENNAS FOR MILLIMETER-WAVE GaAs INTEGRATED CIRCUITS		
11:20	F. C. Jain University of Connecticut, Storrs, CT R. Bansal Harvard University, Cambridge, MA		451
19-4	REDUCTION OF PROPAGATION LOSSES IN COPLANAR WAVEGUIDE		
11:30	D. F. Williams, S. E. Schwarz University of California, Berkeley, CA		453
19-5	NONRECIPROCAL EFFECTS IN SEMICONDUCTOR LOADED WAVEGUIDE AT MILLIMETER-WAVELENGTHS		
11:40	E. M. Godshalk, F. J. Rosenbaum Washington University, St. Louis, MO		455

TABLE OF CONTENTS (Cont'd)

19-6	W-BAND BROADBAND INTEGRATED CIRCUIT RECEIVER	
11:50	K. Chang, G. M. Hayashibara, R. S. Tahim, A. Grote, T. Pham, C. Sun TRW ESG, Redondo Beach, CA	457

SESSION 20

POLK HALL

PLANAR TRANSMISSION LINE STRUCTURES

10:30	Chairman: J. M. Owens University of Texas at Arlington, Arlington, TX	461
20-1	SPECTRAL ITERATIVE TECHNIQUE FOR ANALYZING MULTICONDUCTOR	
10:30	MICROSTRIP LINES C. Chan, R. Mittra University of Illinois, Urbana, IL	463
20-2	A SPECTRAL DOMAIN HYBRID FIELD ANALYSIS OF PERIODICALLY	
10:50	INHOMOGENEOUS MICROSTRIP LINES F.-J. Glandorf, I. Wolff Duisburg University, Duisburg, F.R. Germany	466
20-3	THEORETICAL AND EXPERIMENTAL INVESTIGATION OF ASYMMETRIC	
11:10	COPLANAR WAVEGUIDES V. Foud Hanna, D. Thebault Centre National d'Etudes des Télécommunications, Issy Les Moulineaux, France	469
20-4	OPTIMIZED MICROSTRIP RING-STAR 5-PORTS FOR BROADBAND 6-PORT	
11:30	MEASUREMENT APPLICATION M. Malkomes, G. Kadisch, H. J. Schmitt Rheinisch-Westfaelische Technische Hochschule Aachen, Aachen, F.R. Germany	472
20-5	FUNDAMENTAL SUPERSTRATE EFFECTS ON PRINTED CIRCUIT ANTENNA	
11:50	EFFICIENCY N. G. Alexopoulos, D. R. Jackson University of California Los Angeles, Los Angeles, CA	475

Friday, Early Afternoon, June 1, 1984

SESSION 21

LARKIN HALL (B)

IMPATT AND BIPOLAR OSCILLATORS

1:30	Chairman: N. W. Cox Georgia Institute of Technology, Atlanta, GA	479
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TABLE OF CONTENTS (Cont'd)

21-1	GaAS IMPATT DIODES PULSED AT 40 GHz	
1:40	M. G. Adlerstein, S. L. G. Chu	
	Raytheon Research Division, Lexington, MA	481
21-2	ANALYSIS OF A J-BAND PULSED READ IMPATT OSCILLATOR	
2:00	J. E. Curran, J. P. Bridge, J. L. B. Walker	
	GEC Research Laboratories, Wembley, UK	483
21-3	BROADBAND INJECTION-LOCKED OR STABLE IMPATT AMPLIFIER	
2:20	C. S. Ward, R. W. Laton, J. A. Spada	
	Raytheon Missile Systems Division, Bedford, MA	486
21-4	8 GHz LOW NOISE BIAS TUNED VCO	
2:40	M. E. Znojkwicz	
	Northern Telecom, Montreal, Canada	489
SESSION 22		LARKIN HALL (A)
	DIELECTRIC WAVEGUIDES	
1:30	Chairman: D Kajfez	
	University of Mississippi, University, MS	495
22-1	POWDER CORE DIELECTRIC WAVEGUIDES	
1:40	W. M. Bruno, W. B. Bridges	
	California Institute of Technology, Pasadena, CA	497
22-2	DIRECTLY-CONNECTED IMAGE GUIDE 3dB COUPLERS WITH VERY FLAT COUPLINGS	
2:00	D. E. Kim, D. Kawab, K. Araki, Y. Naito	
	Tokyo Institute of Technology, Tokyo, Japan	499
22-3	PHASE-MATCHED WAVEGUIDE USING THE ARTIFICIAL ANISOTROPIC STRUCTURE AND ITS APPLICATION TO MODE CONVERTER	
2:20	T. Mizumoto, H. Yamazaki, Y. Naito	
	Toyko Institute of Technology, Tokyo, Japan	502
22-4	A TRANSITION TO NON-RADIATING DIELECTRIC WAVEGUIDE	
2:40	J. A. G. Malherbe, J. H. Cloete, I. E. Loesch	
	University of Pretoria, Pretoria, South Africa	505

TABLE OF CONTENTS (Cont'd)

SESSION 23	POLK HALL
MICROWAVE AND MILLIMETER-WAVE MEASUREMENTS	
1:30	Chairman: B. S. Perlman RCA, Princeton, NJ 511
23-1 1:30	AN ANALYSIS OF THE A. C. BANDWIDTH OF TRANSMISSION LINE DISCRIMINATORS FOR FM NOISE MEASUREMENT R. S. Brozovich, J. R. Ashley Sperry Defense Systems, Clearwater, Florida 513
23-2 1:40	OPTIMISING AN ELECTROMAGNETIC FIELD SENSOR FOR MICROWAVE AMPLITUDE AND PHASE DETECTION VIA FIBER OPTIC TRANSMISSION LINK M. T. Avalos, R. M. Sega University of Colorado, Colorado Springs, CO 515
23-3 1:50	LARGE SIGNAL PULSED NETWORK ANALYZER OPERATION T. R. Apel Acrian, Inc., Cupertino, CA R. J. Weber Rockwell-Collins, Cedar Rapids, IA 517
23-4 2:10	MEASUREMENT OF THE COMPLEX DIELECTRIC CONSTANT AT MILLIMETER WAVELENGTHS F. I. Shimabukuro, S. Lazar The Aerospace Corp., El Segundo, CA 520
23-5 2:20	DIELECTRIC PROPERTIES OF MILLIMETER WAVE MATERIALS M. N. Afsar, K. J. Button Massachusetts Institute of Technology, Cambridge, MA 522
23-6 2:40	APPLICATION OF A DIELECTRIC RESONATOR ON MICROSTRIP LINE FOR A MEASUREMENT OF COMPLEX PERMITTIVITY S. Maj, J. Modelski Warsaw Technical University, Warszawa, Poland 525

Friday, Late Afternoon, June 1, 1984

SESSION 24	LARKIN HALL (B)
OPTICAL AND SUBMILLIMETER WAVE TECHNOLOGY	
3:30	Chairman: W. S. C. Chang University of California at San Diego, La Jolla, CA 531

TABLE OF CONTENTS (Cont'd)

24-1 3:40	ANALOG MICROWAVE FIBER OPTIC COMMUNICATION LINKS W. E. Stephens, T. R. Joseph, B. U. Chen TRW, Redondo Beach, CA	533
24-2 3:50	A NEW METHOD FOR MODAL ANALYSIS OF OPTICAL FIBERS HAVING SYMMETRICALLY DISTRIBUTED MULTIPLE CORES E. Yamashita, S. Ozeki, K. Atsuki University of Electro-Communications, Tokyo, Japan	535
24-3 4:00	2.24 Gb/s DIRECT MODULATION OF INJECTION LASER BY MONOLITHIC SILICON MULTIPLEXER B. G. Bosch, V. Langmann, D. Daniel Ruhr-Universitaet Bochum, Bochum, F.R. Germany	537
24-4 4:20	DIRECT DC TO RF CONVERSION BY PICOSECOND OPTOELECTRONIC SWITCHING C. S. Chang, M. Jeng, M. J. Rhee, C. H. Lee University of Maryland, College Park, MD A. Rosen, H. Davis RCA Laboratories, Princeton, NJ	540
24-5 4:30	POLARIZATION-SENSITIVE IMAGING ARRAYS P. P. Tong, D. B. Rutledge California Institute of Technology, Pasadena, CA D. P. Neikirk University of Texas, Austin, TX	542
 SESSION 25		
	MILLIMETER-WAVE MIXERS	LARKIN HALL (A)
3:30	Chairman: S. Dixon, Jr. ERADCOM, Fort Monmouth, NJ	547
25-1 3:40	A COMPARISON OF THE MEASURED AND THEORETICAL PERFORMANCE OF A 140-220 GHz SCHOTTKY DIODE MIXER P. H. Siegel, A. R. Kerr NASA Goddard Institute for Space Studies, New York, NY R. J. Mattauch University of Virginia, Charlottesville, VA	549

TABLE OF CONTENTS (Cont'd)

25-2	NOISE MEASUREMENTS AND NOISE MECHANISMS IN MICROWAVE MIXER	
4:00	DIODES	
	J. Jelenski	
	University of Massachusetts, Amherst, MA	
	M. V. Schneider, A. Y. Cho	
	AT&T Bell Lab., Holmdel, NJ	
	E. R. Kolberg, H. Zirath	
	Chalmers University, Goteborg, Sweden	552
25-3	BROADBAND MILLIMETER-WAVE CROSSBAR MIXER ON SOFT SUBSTRATE	
4:20	L. Q. Bui, N. Ton, D. Ball	
	Hughes Aircraft Co., Torrance, CA	555
25-4	LOW-NOISE, FIXED TUNED, BROADBAND MIXER FOR 200-270 GHz	
4:30	J. W. Archer, M. T. Faber	
	National Radio Astronomy Observatory, Charlottesville, VA	527
 SESSION 26		
POLK HALL		
SIX-PORT MEASUREMENT TECHNIQUES		
3:30	Chairman: G. F. Engen	
	National Bureau of Standards, Boulder, CO	563
26-1	A DUAL SIX-PORT AUTOMATIC NETWORK ANALYZER AND ITS PERFORMANCE	
3:40	TESTS	
	N. S. Chung, J. H. Kim, J. Shin	
	Korea Standards Research Institute, Dae Deog Science Town, Republic of Korea	565
26-2	EVALUATION OF A 94 GHz DIODE-BASED DUAL SIX-PORT NETWORK ANALYZER	
3:50	R. A. Fong-Tom	
	Sperry Defense Electronics, Waltham, MA	567
26-3	A NEW REAL-TIME SIX-PORT ANA METHOD	
4:00	L. Kaliouby, R. G. Bosisio	
	University of Montreal, Montreal, Quebec, Canada	569
26-4	A CALIBRATION METHOD FOR A SIX-PORT REFLECTOMETER WHICH MINIMIZES	
4:20	THE EFFECT OF POWER MEASUREMENT ERRORS	
	J. A. Dobrowolski, E. Bridges, L. Shafai	
	University of Manitoba, Winnipeg, Manitoba, Canada	572
26-5	THEORETICAL COMPARISON OF SIX-PORT REFLECTOMETER JUNCTION DESIGNS	
4:40	E. J. Griffin, T. E. Hodgetts	
	Royal Signals and Radar Establishment, Malvern, Worcestershire, England	575