



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

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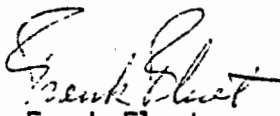
PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

August 26, 1982

TO: Ex. Comm. Members

Enclosed are:

- A. Next Meeting Announcement
- B. Minutes of previous meeting
- C. WELCOME TO NEW MEMBERS list
- D. Revised Ex. Comm. Roll


Frank Fluet
Secretary
IEEE Orlando Section



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PLEASE REPLY TO:

I E E E

ORLANDO EXECUTIVE COMMITTEE
MEETING NOTICE

TUESDAY, SEPTEMBER 7, 1982

5:30PM

AT: STROMBERG-CARLSON

TRAINING FACILITY

1044 N. ORLANDO AVE.

WINTER PARK, FL

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: August 3, 1982

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: Mannie Connell
Ben Patz
Bill Cram
Deen Khandelwal
Ed Ellis
Don Mendorf
Bill Kownocki
Frank Fluet

Minutes:

Meeting was called to order at 5:45 PM by Chairman, Mannie Connell.
(An informal meeting was held due to lack of quorum).

1. Approval of last meeting's minutes:

The unapproved minutes of the June 1, 1982 meeting are included below for review at the next meeting.

2. A number of Section officer changes were discussed:

- a. Deen Khandelwal accepted the post of Membership Development Chairman.
- b. Joe Massett is the new Awards Chairman.
- c. Gerry White will take over editing of Section notes.
- d. In addition the newly elected Section officers are:

Chairman: Mannie Connell
Vice Chairman: Ed Ellis
Secretary: Frank Fluet
Treasurer: Don Mendorf

3. The Chairman requested volunteers to phone Executive Committee members just prior to each meeting to help assure a quorum.

4. Membership Development: Frank Fluet presented the following report:

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT
FOR JUNE AND JULY 1982

Letters of "Welcome" were sent to 6 new members and 8 moving into the section in May; 14 new members and 5 moving into the Section in June; and 14 new members and 9 moving into the Section in July.

The following statistics are derived from the "Membership Changes and Additions for Month Ending 4-30-82, 5-31-82 and 6-30-82".

<u>CODE</u>	<u>REASON</u>	<u>4-30-82</u>	<u>5-31-82</u>	<u>6-30-82</u>
A	New Election to Membership	6	14	14
B	Reinstatement to Membership	-	-	1
C	Arrears Paid	5	7	5
D	Address Change, Within Section	6	2	7
E	Moving Into Section	8	5	9
H	Transfer In Member Grade	7	9	13
I	Moving Out Of Section	4	5	4
N	Change In Group Or Society	2	1	1

5. By-Laws Committee had no report, however, Don Mendorf volunteered to set up a meeting with the other committee members to review the status and report at next Ex. Com. meeting.

6. Programs report by Ben Patz for Mike Harris:

Mike Harris is developing a plan to improve turnout at IEEE group and Society meetings.

As in some other sections, once a month a general section meeting would be held, possibly including dinner and a guest speaker giving a short, general interest presentation. The section meeting would immediately be followed by the individual Group or Society meetings. According to Ben Patz, UCF may be available for meetings of such a format.

7. New business:

Mannie Connell reminded all Society Chapter Officers that they must submit a budget to the Section Chairman by October 1, 1982. All Chapter Chairmen will be contacted by Mannie Connell to remind them of the deadline.

8. Due to variations in delivery of the Section Notes it was requested that the previous meeting's minutes be mailed to the Executive Committee members about one week prior to the next meeting. The Secretary will do so.
9. On the motion by Don Mendorf, seconded by Bill Cram, the meeting adjourned at 6:55 PM. The next meeting will be on September 7, 1982 at the same location.

WELCOME TO NEW MEMBERS

The Orlando Section welcomes the following IEEE MEMBERS:

Recently Elected to Membership:

(APRIL '82)

David E. Daniel, 531 Sunrise Ave., Winter Springs, FL 32708
Kevin D. Ford, 2823 Midsummer Dr., Orlando, FL 32811
Jonathan Ladd, 856 Parklake Cir., Maitland, FL 32751
Timothy D. Lapp, 1125 Duncan Dr., Casselberry, FL 32708
Joseph L. Odom, Jr., 624 North Semoran Blvd., Apt. #5, Winter
Park, FL 32792
Bernard W. Tooker, Jr., P. O. Box 15325, Orlando, FL 32858

(May '82)

Sheikh M. Ahmed, 12140 Darwin Dr., Apt. #12, Orlando, FL 32817
Peter J. Allan, 1220 Maverick Dr., Apopka, FL 32703
Fred P. Costello, Jr., 206 Romsburg Ct., Longwood, FL 32750
Richard Q. Fox, Westinghouse Electric Corp., 1200 W. Colonial Dr.,
Orlando, FL 32804
John F. Gilmore, 8003 Dorset Court, Orlando, FL 32811
Rod Herbeck, 7510 Stratford Blvd., Orlando, FL 32806
Don H. Hunter, Jr., 1850 Kreidt Dr., Orlando, FL 32808
Duc Tan Nguyen, 5270 Lake Underhill Rd., Orlando, FL 32807
David L. Rolke, 4724 NE 16 Ave., Ft. Lauderdale, FL 32817
Ronald B. Sartain, 2410 Nela Ave., Orlando, FL 32809
Hugh L. Sellers, 5531 Pitch Pine Dr., Orlando, FL 32811
Sandra J. Sellers, 5531 Pitch Pine Dr., Orlando, FL 32811
Modupe A. Sigbeker, P. O. Box 26019, Orlando, FL 32816
Edward Steiger, 216 O-E West Oak Ridge Rd., Orlando, FL 32809

(June '82)

Michael E. Amy, 100 W. Bahama Rd., Winter Springs, FL 32708
Peter N. Chesebrough, 129 Arnhym Dr., Orlando, FL 32811
James S. Dawson III, 3 Horseman Cove, Longwood, FL 32750
James D. George, 160 Tangerine Pl., Maitland, FL 32751
Mark E. Glowicki, 533 Spanish Trace Dr., Altamonte Springs, FL 32701
Susan V. Jones, 2415 Fontainebleau Dr., Orlando, FL 32808
Edward J. Kachmar, 7173 Green Needle Dr., Orlando, FL 32807
Larry Lyon, 2945-C South Ferncreek, Orlando, FL 32806
Stanley Martin, 1030 E. Sandpiper St., Apopka, FL 32703
Larry E. Matthias, 2541 Oakridge Rd., Apt. 215-E, Orlando, FL 32809
Steve Morrison, 409 East St., Altamonte Springs, FL 32701
Donald B. O'Rourke, 2914 Corrine, Orlando, FL 32803
Roger Tomkins, 7019-D Aloma Ave., Orlando, FL 32807
J. Douglas Wells, 3659 Maguire Blvd., Orlando, FL 32803

Moving Into the Orlando Section:

(APRIL '82)

Jorge Blanco, 1000 Douglas Ave., Apt. 137, Longwood, FL 32750
R. Darino, 10301 Marco Polo Dr., Orlando, FL 32809
Richard H. Gallimore, Jr., 3233 King Neptune Ct., Orlando, FL 32855
Robert C. Harney, Martin Marietta, MP-304, P. O. Box 5837, Orlando,
FL 32855
R. J. Hillen, 2947 Summerfield Rd., Winter Park, FL 32792
Eric Johnson, 538 Eartha Ln., Orlando, FL 32805
John P. Kessinger, 688 Tuscarora Dr., Winter Springs, FL 32708
David J. Marsh, 1394 White Oak Dr., Winter Springs, FL 32708

(May '82)

Son H. Lam, 5510 Axiom Ave., Orlando, FL 32809
C. R. Marcum, 753 Sybilwood Cir., Winter Springs, FL 32708
Alan N. Singer, 1910 Thunderbird Trail, Maitland, FL 32751
Mark Terry, 814 Lindenwald Lane, Altamonte Springs, FL 32701
Richard W. Townley, Rt. 6, Box 973, Lot 18, Orlando, FL 32807

(June '82)

John J. Caselli, UCF, P. O. Box 26,492, Orlando, FL 32816
W. G. Craig, 1440 Fairway Oaks Dr., Casselberry, FL 32707
Robert D. Crouch, 1797 Baywood Ave., Orlando, FL 32808
Michael V. Haddad, 4402 Carolwood St., Orlando, FL 32806
Gary R. Lowther, 1324 Rasberry Ct., Casselberry, FL 32707
S. M. Merry, 1935 King Arthur Cir., Maitland, FL 32751
Matthew M. Sharpe, 4444 S. Rio Grande Ave., Apt. 204-F, Orlando,
FL 32809
Norman A. Stanton, Assessment Designs Inc., 601 Ferncreek Ave.,
Orlando, FL 32803
William F. Trappen, Westinghouse Electric Corp., STGD, 6655 E.
Colonial Dr., Orlando, FL 32807

IEEE ORLANDO EXECUTIVE COMMITTEE

EXECUTIVE BOARD

		<u>BUSINESS</u>	<u>HOME</u>
Chairman	Mannie Connell	351-1210	273-8588
Vice Chairman	T. E. (Ed) Ellis	339-1600	834-3319
Secretary	Frank Fluet	843-7030	339-8905
Treasurer	Don Mendorf	628-9884	869-7435

STANDING COMMITTEE CHAIRMEN

Jr. Past Chairman	Benjamin W. Patz	275-2816	855-3685
Sr. Past Chairman	George F. McClure	352-3782	647-5092
Programs	Michael Harris	275-2548	--
Publicity	David George	859-5120	644-2596
Publications	George Taack	339-1600	321-0319
Awards	Joe Massett	352-3858	834-3448
FES Liaison	Richard C. Harden	855-0881	855-5775
Prof. Act. Comm.	John Gilbert	--	859-5492
Student Act. Comm.	Richard Miller	275-2786	--
Education	Fred O. Simons	275-2405	678-1796
Membership Develop.	Deen Khandelwal	352-2583	277-5959

SPECIAL COMMITTEES

By-Laws	Ernest E. Erickson	275-2310	365-5560
SOUTHCON	Bruce E. Mathews	275-2156	645-0549
Advertising Manager	William A. Kownacki	843-8484	365-5818
Historian	Russell E. Theisen	352-3877	671-4139
Member-at-Large	William C. Cram	--	647-4123

SOCIETY CHAPTER OFFICERS

AES	Chmn.	Dave Flinchbaugh	422-2662	859-4855
COMMUNIC	Chmn.	George Taack, Jr.	339-1600	321-0319
	V. Chmn.	Bill Strickland	351-9960	--
	Sec.	Walt Wolters	351-9901	--
COMPUTER	Chmn.	Clark M. Hay	339-1600	677-3114
	Mbr. V. Chmn.	William Joseph	352-4126	299-7399
	Sec.	Stephen Moulton	352-2236	830-9034

SOCIETY CHAPTER OFFICERS (CONT'D)

			<u>BUSINESS</u>	<u>HOME</u>
ELECTRON DEV.	Chmn.	Deen Khandelwal	352-2583	277-5959
	Chmn.	Ralph M. Mindock	352-2776	862-7764
AP/MTT	Chmn.	Al Fowler	678-2141	365-5772
	V. Chmn.	Carl F. Schunemann	352-4366	647-4992
	Sec.	Larry W. Pack	352-4560	671-4047
PE/IA	Chmn.	Geoffrey E. Dick	352-2796	678-0979
	V. Chmn.	Joseph R. Miller	646-8233	644-7049
	Sec.	Roger D. Bowman	646-8222	275-7208
Student Branch	Chmn.	Michael Robitaille	275-2786	671-6088
	V. Chmn.	David Kotick	--	678-6710
	Recordg. Sec.	Diane Pavik	--	282-1941
	Corresp. Sec.	Karen Riley	--	--
	Treas.	Jon Klages	--	275-0023
Student Comput.	Chmn.	Tom Toor	275-2786	286-6359
	V. Chmn.	Art Weeks	275-2786	677-6472
	Sec. Treas.	Jon Klages	--	275-0023

8-3-82 Stenberg Carlson
IEEE Attendance: Ex Com.

	<u>Home</u>	<u>Office</u>
Frank Fluet, Sec.	✓	—
Ed. Ellis, v. Chmn		
Near Mandy from		
Bill Kowacki Section Notes	✓	✓
Deen Khandelwal Membership		352-2583
Wm. C. Cran	277-5959 647-4123	—
Ben Patz	855-3685	275-2816
Manni Connell	273-8588	351-1210

reference addresses (not attendees at mtg.):

(John Gilbert
2205 Miscindy pl.
Orl. 32806)

(Mike Harris
UCF
Eng'g dept.
Orl. 32816)

IEEE ORLANDO EXECUTIVE COMMITTEE
EXECUTIVE BOARD

		Business	Home
Chairman	✓Mannie Connell	351-1210	273-8588
Vice Chairman	✓T. E. (Ed) Ellis	339-1600	834-3319
Secretary	Frank Fluet	843-7030	889-1685 339-8905
Treasurer	✓Don Mendorf	628-9884	869-7435

STANDING COMMITTEE CHAIRMEN

Jr. Past Chairman	✓Benjamin W. Patz	275-2818	855-3685
Sr. Past Chairman	✓George F. McClure	352-3782	647-5092
Programs	✓Michael Harris	275-2584	675-2548
Publicity	✓David George	859-5120	644-2596
Publications	✓Gerry White	646-4491	678-3621
Awards	Ed Ellis ✓Joe Massett	339-1600 352-3858	834-3319 834-3448
Intersociety Liaison	✓Richard C. Harden	855-0881	855-5775
Prof. Act. Comm.	✓John Gilbert	365-5607	859-5492
Student Act. Comm.	✓Richard Miller	275-2786	—
Education	✓Fred O. Simons	275-2405	678-1796
Membership Develop.	Frank Fluet ✓Dean Khandelwal	843-7030 352-2583	889-8866 277-5959

SPECIAL COMMITTEES

By-Laws	✓Ernest E. Erickson	275-2310	365-5560
SOUTHCON	✓Bruce E. Mathews	275-2156	645-0549
Advertising Manager	✓William A. Kownacki	843-8484	365-5818
Historian	✓Russell E. Theisen	352-3877	671-4139
Member at Large	✓William C. Cram	—	647-4123
Member at Large	✓Herb Towle	—	—
SOUTHEASTCON	✓Russell E. Theisen	352-3877	671-4139

SOCIETY CHAPTER OFFICERS

AES	Chmn. ✓Dave Flinchbaugh	422-2662	859-4855
Comm.	Chmn. ✓George Taack, Jr.	339-1600	321-0319
	V. Chmn. ✓Bill Strickland	351-9960	—
	Secy. ✓Walt Wolters	351-9901	—
Computer	Chmn. ✓Clark M. Hay	339-1600	677-9114 331-5523
	Mbr. V. Chmn. ✓William Joseph	352-4128	299-7399
Electron Dev.	Chmn. Dean Khandelwal (organizer)	352-2583	277-5959
	Chmn. ✓Ralph M. Mindock	352-2778	862-7764
	V. Chmn. Jim Crouch ✓Don Malocha	352-3066	859-3788 862-5693
AP/MTT	Chmn. ✓Al Fowler	678-2141	365-5772
	V. Chmn. ✓Gert F. Schunemann	352-4388	647-4902
	Secy. ✓Larry W. Pack	352-4560	671-4047
PE / IA	Chmn. ✓Geoffrey E. Dick	352-2796	678-0979
	V. Chmn. ✓Joseph R. Miller	646-8233	644-7049
	Secy. ✓Roger D. Bowman	648-8222	275-7208
Student Br.	Chmn. ✓Michael Robitaille	275-2786	671-6088
	V. Chmn. David Kotick	—	678-6710
	Recordg. Secy. Diane Pavik	—	282-1941
	Corresp. Secy. Karen Riley	—	—
	Treas. Jon Klages	—	275-0023
Stu. Cmpt.	Chmn. ✓Tom Toor	275-2786	282-6359
	V. Chmn. Art Weeks	275-2786	677-8472
	Secy. Treas. Jon Klages	—	275-0023

The Executive Committee meets the first Tuesday of each month, except July, at Stromberg-Carlson Training facility, 1044 N. Orlando Ave., Winter Park, FL (Galloway St. side), at 5:30 p.m. All IEEE members are welcome to attend.

Membership
V. Chmn. ~~Malocha~~ ✓Donald C. Malocha 275-2414 862-5693
V. Chmn. ~~Malocha~~ ✓Dick Zanowick 352-2914 645-0831
Programs

9-7-82

REQUEST FOR REIMBURSEMENT

POSTAGE :	\$ 20
	5.95
	<hr/>
TOTAL	\$ 25.95

F. Q. Fluet
 FRANK FLUET
 SECRETARY ORLANDO SECTION

*(Expenses incurred
 while Membership Dev
 Comm. Admin.)*

35.00 x
 0.17 =
 5.95 *

001 20.00+
 20.00*



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1730 Shiloh Lane
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Donald R. Mendorf
819 Haulover Drive
Altamonte Spgs, Fl. 32701
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Florida Power Corp.
P.O. Box 417
Winter Park, Fl. 32790
646-8233/644-7049 B/H

Richard Miller
P.O. Box 25000
Orlando, Fla. 32816
Atten: E.E. Dept.
275-2786/892-7337 B/H

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Stephen Moulton
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352-2236/830-9034 B/H

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352-4560 B

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275-2786/671-6088 B/H

Carl F. Schunemann
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2405

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and Lake Room 207
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Russell E. Theisen
67 Fitzhugh Rd.
Center Park, Fl. 32792
~~2-2877~~/671-4139 B/H
2-3402 / "
2-5120 / "

Tom Moor
316 Belgrove Place
Maitland, Fl. 32817
5-2786/282-6359 B/H

Herbert C. Towle
206 Ranch Rd.
Maitland, Fl. 32751

←
HERB Towle
206 Ranch Road
Maitland Fl. 32751

Tom Walter
3 Wilford Ave.
Langwood, Fl. 32750

Gerry C. White
1 Golfside Villas
Center Park, Fl. 32792
6-4491/678-3621 B/H

John Wojtasinski
5 Dorset Drive
ocoa Beach, Fl. 32931

Al Wolters
P.O. Box 2949
and Lake Room 207
Maitland, Fla. 32802
1-9901 B

←
Dick Zanowick
511 TEMPLE TR.
Maitland FL 32751
352-2914 / 645-0831 B/H

F.A.S.
#2

IEEE ORLANDO SECTION
TREASURER REPORT
7 Sept. 1982

CASH BALANCE: 8 August 1982

Checking \$ 510.15
Dreyfus 15,625.31

16,135.46

INCOME:

Dreyfus Interest 478.68

478.68

EXPENSES:

Seminole House 237.83
Printer

237.83

BALANCE:

Checking
Dreyfus Fund

272.32
16,103.99

16,376.31



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

F. A. E.
#3

PLEASE REPLY TO:
Dr. D. D. Khandelwal

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT
FOR AUGUST, 1982

Letters of "Welcome" were sent to 8 new members and 9 moving into the section in August.

The following statistics are derived from the "Membership Changes and Additions for Month Ending 7-30-82."

<u>CODE</u>	<u>REASON</u>	<u>7-30-82</u>
A	New Election to Membership	8
B	Reinstatement to Membership	-
C	Arrears Paid	4
D	Address Change, Within Section	6
E	Moving Into Section	9
H	Transfer to Member Grade	3
I	Moving Out of Section	11

Orlando section membership as of July 30, 1982 stands at 833. Our goal for membership as of December 1982 is 909. This represents a need for at least 76 new members. To meet this challenge, we are planning for the following specific steps.

- 1) "Values of Membership" slide/tape presentation is being procured for use by various chapters in the section during March and April. Chapter Chairmen are requested to plan on using it during that period and please coordinate with me, with respect to specific dates.
- 2) The idea of holding a "Student Professional Awareness Conference" is being addressed.
- 3) ~~Support of local engineering businesses is being considered to support innovative membership development experiments.~~
- 3) ~~A definite membership development experiment is being defined.~~

The student membership development activities have been briefly discussed with Professor Miller and he will report the details.

In talking to prospective members, it should be mentioned that by joining IEEE in September, they get 15 months service for 12 months dues and that they can enroll at current low rates.

D.D. Khandelwal

D. D. Khandelwal
Membership Development Chairman

DDK/mjb

Page
#4

1982-83 AWARDS ACTIVITIES
IEEE ORLANDO-SECTION

- o Florida Engineering Society (FES) Engineer of-the-year nomination (31 January 1983)

- o IEEE Region 3 Outstanding Engineer 1983 (31 December 1982)

- o IEEE Region 3 Outstanding Service 1983 (31 December 1982)

- o IEEE Orlando Section: (15 January 1983)
 - Engineer-of-the-Year
 - Service Award
 - Outstanding Electrical Engineering Graduate Student - UCF
 - Outstanding Electrical Engineering Senior - UCF

Joe Manetti
9-7-82



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

SOUTHEASTCON '83

SHERATON TWIN TOWERS HOTEL, ORLANDO, FLORIDA

APRIL 11-14, 1983

J.A.S.
#5

"TECHNOLOGY CHALLENGES IN THE NEW SOUTH"

**SOUTHEASTCON '83
EXECUTIVE COMMITTEE**

General Chairman

Russell E. Theisen
Martin Marietta Aerospace
2667 Fitzhugh Road
Winter Park, FL 32792
(305) 352-3877 (a) (305) 671-4139 (h)

Technical Program

Dr. Bruce Mathews
University of Central Florida
College of Engineering
Box 25000, Orlando, FL 32816
(305) 275-2156 (a) (305) 645-0549 (h)

Finance Chairman

Joseph L. Massett
Martin Marietta Aerospace
P.O. Box 5837 MP-490
Orlando, FL 32855
(305) 352-3858 (a) (305) 834-3448 (h)

Exhibits Chairman

George F. McClure
Martin Marietta Aerospace
P.O. Box 5837 MP-362
1730 Shiloh Lane
Winter Park, FL 32789
(305) 352-3782 (a) (305) 647-5092 (h)

Registration Chairman

George T. Kirby
Naval Equipment Training Center
110 Fine Tree Lane
Altamonte Springs, FL 32701
(305) 646-5354 (a) (305) 862-9892 (h)

Local Arrangements

Dr. Fred D. Simons, Jr.
University of Central Florida
320 Sherbrooke Road
Winter Park, FL 32792
(305) 275-2405 (a) (305) 678-1796 (h)

Student Conference Chairman

Dr. Benjamin W. Patz
University of Central Florida
P.O. Box 25000, Orlando, FL 32816
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Regional Advisor

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1983 IEEE SOUTHEASTERN CONFERENCE

Mannie Connell, Chairman
Orlando Section IEEE

September 5, 1982

The executive committee held its third planning meeting September 4, 1982 at the Sheraton Twin Towers to discuss the Southeastcon 83 Conference that is being jointly sponsored by the Orlando Section and Region 3. April 11 through 13, 1983 at the Sheraton Twin Towers Orlando, Florida. The Southeastcon committee is requesting an advance of \$1,000.00 from the Orlando Section to aid in the cash flow problems associated with the advance publicity related to the Southeastcon 83 Conference.

There have been two calls for papers sent out 1,200 in April and 23,602 in August to all IEEE members of Region 3. Printing and mailing costs have depleted the initial operating advanced to date and the committee now requires the full advance requested from both the Region 3 and the Orlando Section of \$2500.00 each. The Orlando Section balance to this request is \$1,000.00 and the Region 3 balance is \$1,500.00.

Please make the check payable to Southeastcon 83 in care of Joe Massett Treasurer of Southeastcon 83. for the sum of \$1,000.00.

Russell E. Theisen, Chairman
Southeastcon 83



Sponsored by:
Region 3 IEEE
and Orlando Section

J. #6

IEEE COMMUNICATIONS CHAPTER

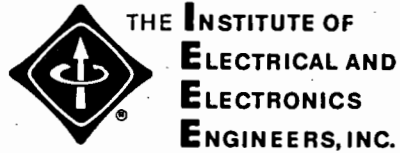
The officers met under a tree at the Lums in Winter Park on August 26th. The items covered were as follows:

1. Mike Germain, an engineer from Florida Telephone, has agreed to be the membership chairman for the Communications Chapter. His phone numbers are: Business 656-1515
Home 469-2798
2. Communications will hold meetings in October, November, January, March and May. Meetings will be held during the fourth week of the month on Wednesday. Second choice would be Thursday for the day and third week of the month for the week.
3. Adopted a preliminary budget for Communications as follows:

Speaker Meals	\$100.00
Travel	75.00
Postage/fees	20.00
Miscellaneous	<u>20.00</u>
	\$215.00

Meeting was adjourned when it got too hot to continue.

George Taack



sec. copy

PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

September 21, 1982

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, October 5, 1982

5:30 PM

at

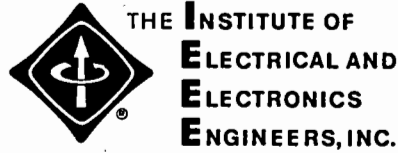
Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

Enclosed with the minutes of the last meeting is a revised list of the Executive Committee members. Please mark any additional changes and return to me for update of the Section Notes.

I have received from George McClure a copy of his final report on AUTOTESTCON '81 for the Section records. It contains excellent postmortems on behind the scenes conference activities. The budgeting and arrangement details along with recommendations for future DOs and DON'Ts will be a valuable resource for others involved in conference committee work. If anyone would like a copy call me or drop me a note at the next meeting.

Sincerely,

Frank Fluet
Secretary
IEEE Orlando Section



PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: September 7, 1982
Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: Mannie Connell
Clark Hay
David George
Deen Khandelwal
Frank San Filippo
Fred O. Simons, Jr.
Ernest E. Erickson
Robert J. Martin
George B. Taack, Jr.
William C. Cram
John D. Gilbert
Mickey Mindock
Don Mendorf
Frank Fluet
Russ Theisen
Joe Massett
David E. Flinchbaugh

Minutes:

Meeting was called to order at 5:42 PM by Chairman, Mannie Connell.

1. Review of minutes of last meeting. On motion by John Gilbert, minutes approved.
2. Program Committee: No report.
3. Publicity Committee: No report.
4. General discussion of possibility of Orlando Section paying admission fee for member attendees to planning session and social at Rosie O'Grady's planned for 9-17-82. No motion resulted.
5. PACE Committee: John Gilbert announced the IEEE ceramic mugs have arrived from the manufacturer. The mugs cost approximately \$3.00 each. They were bought to promote IEEE and as incentive for new members. Deen Khandelwal moved that a mug be provided gratis to each member of the Exec. Com. A subsidiary motion by John Gilbert amended main motion to read that a mug, as available, will be provided to new members free with notification of their membership and will be available to general Section

membership at \$1.00 each to promote IEEE. Both subsidiary and main motion carried.

6. As a point of clarification, a motion was made by Fred Simons to amend the previous motion to include the Executive Committee and assistants as listed in the Orlando Section notes to receive a free mug in appreciation of service to IEEE. Seconded by Deen Khandelwal. Motion passed.

7. Education Committee: Fred Simons:

A. Introduced Robert Martin, a potential new Committee member.

B. A new short course on digital signal processors is still slated for December. It will be a 3-day course. Some UCF fees will be included but not teacher salaries, in the expenses.

C. Suggested the possibility of Orlando Section providing a scholarship to needy engineering students. He will study and provide possible plan and budget for later consideration.

8. Treasurer's Report: Don Mendorf

CASH BALANCE: 8 August 1982

Checking	\$ 510.15	
Dreyfus	<u>16,625.31</u>	\$16,135.46

INCOME:

Dreyfus Interest	478.68	478.68
------------------	--------	--------

EXPENSES:

Seminole House Printer	237.83	237.83
---------------------------	--------	--------

BALANCE:

Checking	272.32
Dreyfus Fund	<u>16,103.99</u>

\$16,376.31

John Gilbert moved for acceptance seconded by George Taack. Carried.

9. Membership Development: Deen Khandelwal

Letters of "Welcome" were sent to 8 new members and 9 moving into the Section in August.

The following statistics are derived from the "Membership Changes and Additions for Month Ending 7-30-82".

<u>CODE</u>	<u>REASON</u>	<u>7-30-82</u>
A	New Election to Membership	8
B	Reinstatement to Membership	-
C	Arrears Paid	4
D	Address Change, Within Section	6
E	Moving Into Section	9
H	Transfer In Member Grade	3
I	Moving Out Of Section	11

Orlando Section membership as of July 30, 1982, stands at 833. Our goal for membership as of December 1982 is 909. This represents a need for at least 76 new members. To meet this challenge, we are planning for the following specific steps.

- 1) "Values of Membership" slide/tape presentation is being procured for use by various chapters in the Section during March and April. Chapter Chairmen are requested to plan on using it during that period and please coordinate with me, with respect to specific dates.
- 2) The idea of holding a "Student Professional Awareness Conference" is being addressed.

The student membership development activities have been briefly discussed with Professor Miller and he will report the details.

In talking to prospective members, it should be mentioned that by joining IEEE in September, they get 15 months service for 12 months dues and that they can enroll at current low rates.

10. By-Laws Committee: E. Erickson

All suggestions for By-Laws changes and corrections are being reviewed by the committee. George McClure has about half completed entry of the By-Laws into his word processor to facilitate changes and reproduction.

11. Awards Committee: Joe Massett presented the following awards information and the deadlines for nominations.

- o Florida Engineering Society (FES) Engineer-of-the-Year nomination (31 January 1983)
- o IEEE Region 3 Outstanding Engineer 1983 (31 December 1982)
- o IEEE Region 3 Outstanding Service 1983 (31 December 1982)
- o IEEE Orlando Section: (15 January 1983)
 - Engineer-of-the-Year
 - Service Award
 - Outstanding Electrical Engineering Graduate Student - UCF
 - Outstanding electrical Engineering Senior - UCF

He requested ideas for additional awards. Discussion followed possibility of:

- A. Student awards to other institutions than UCF (e.g., SCC, Valencia pre-engineering).
- B. Outstanding Chairman of a Chapter award.
- C. Outstanding membership development award.

Deen Khandelwal moved that a "Chapter Chairman of the Year" award be made. Seconded by Russ Theisen. The motion carried.

Fred Simon moved that the Awards Committee expand the awards list for discussion at the next meeting. Seconded by Don Mendorf. Motion carried.

12. SOUTHEASTCON '83: Russ Theisen requested that SOUTHEASTCON be added to the special committee roster. He then moved that the Section advance an additional \$1000 to the SOUTHEASTCON committee for front-end expenses. John Gilbert seconded; motion carried.

The Executive Committee held its third planning meeting September 4, 1982 at the Sheraton Twin Towers to discuss the SOUTHEASTCON '83 conference that is being jointly sponsored by the Orlando Section and Region 3, April 11 through 13, 1983 at the Sheraton Twin Towers, Orlando, Florida. The SOUTHEASTCON Committee is requesting an advance of \$1,000 from the Orlando Section to aid in the cash flow problems associated with the advance publicity related to the SOUTHEASTCON '83 Conference.

There have been two calls for papers sent out 1,200 in April and 23,602 in August to all IEEE members of Region 3. Printing and mailing costs have depleted the initial operating advance to date and the committee now requires the full advance requested from both the Region 3 and the Orlando Section of \$2,500.00 each. The Orlando Section balance to this request is \$1,000.00 and the Region 3 balance is \$1,500.00. Please make the check payable to SOUTHEASTCON '83, in care of Joe Massett, Treasurer of SOUTHEASTCON '83, for the sum of \$1,000.00

13. Historian: Russ Theisen requested additional copies of Section Notes.
14. AES: Dave Flinchbaugh moved that a Section activity calendar be included in Section Notes. Seconded by John Gilbert. Motion passed.

Florida Council of IEEE will meet Saturday, 9-11-82.

15. Communications: George Taack

The officers met under a tree at the Lum's in Winter Park on August 26th. The items covered were as follows:

- A. Mike Germain, an engineer from Florida Telephone, has agreed to be the membership chairman for the Communications Chapter. His phone numbers are: Business - 656-1515 Home - 469-2798.

B. Communications will hold meetings in October, November, January, March and May. Meetings will be held during the fourth week of the month on Wednesday. Second choice would be Thursday for the day and third week of the month for the week.

C. Adopted a preliminary budget for Communications as follows:

Speaker Meals	\$100.00
Travel	75.00
Postage/fees	20.00
Miscellaneous	20.00
	<u>\$215.00</u>

Meeting was adjourned when it got too hot to continue.

16. Computer: Clark Hay

Present plans are to hold eight meetings. Submitted a bill from distinguished visitor's program to treasurer (\$42.89).

17. Electronics Devices: Ralph Mindock

No meetings have been held yet. Don Malocha will be the new Vice Chairman.

18. AP/MTT: Al Fowler has received word from headquarters that IEEE has finally approved the joint society. One speaker has been lined up so far. Still assuming fourth Thursday of the month for meetings until further notice.

19. Old Business: Al Fowler moved that a joint meeting of all societies be held in January 1983. The chairman to set the exact date as soon as possible and the Programs Committee to recommend a place and program at the next meeting. Motion seconded by Mickey Mindock. Motion passed.

20. PE/IA: No report. Still looking for a chairman.

21. Student Branch: No report.

22. New Business: Frank San Filippo discussed the upcoming conference on Decision and Control to be held December 8, 9 and 10 at Orlando, Holiday Inn at International Drive. As Local Arrangements Chairman he requested support of the Section. Flyers will be available shortly.

23. Deen Khandelwal made a motion that a list of future IEEE conferences in the Orlando area be included in the Section Notes. The motion carried.

24. Motion of adjournment by Don Mendorf seconded by Clark Hay, carried. Meeting adjourned at 7:50 PM.

Next meeting will be October 5, 1982 at the same place at 5:30 PM.

IEEE ORLANDO EXECUTIVE COMMITTEE

EXECUTIVE BOARD

		<u>BUSINESS</u>	<u>HOME</u>
Chairman	Mannie Connell	351-1210	273-8588
Vice Chairman	T. E. (Ed) Ellis	339-1600	834-3319
Secretary	Frank Fluet	843-7030	339-8905
Treasurer	Don Mendorf	628-9884	869-7435

STANDING COMMITTEE CHAIRMEN

Jr. Past Chairman	Benjamin W. Patz	275-2816	855-3685
Sr. Past Chairman	George F. McClure	352-3782	647-5092
Programs	Michael Harris	275-2584	--
Publicity	David George	859-5120	644-2596
Publications	Gerry White	646-4491	678-3621
Awards	Joe Massett	352-3858	834-3448
FES Liaison	Richard C. Harden	855-0881	855-5775
Prof. Act. Comm.	John Gilbert	365-5607	859-5492
Student Act. Comm.	Richard Miller	275-2786	--
Education	Fred O. Simons	275-2405	678-1796
Membership Develop.	Deen Khandelwal	352-2583	277-5959

SPECIAL COMMITTEES

By-Laws	Ernest E. Erickson	275-2310	365-5560
SOUTHCON	Bruce E. Mathews	275-2156	645-0549
Advertising Manager	William A. Kownacki	843-8484	365-5818
Historian	Russell E. Theisen	352-3877	671-4139
Member-at-Large	William C. Cram	--	647-4123
Member-at-Large	Herb Towle	--	--
SOUTHEASTCON	Russell E. Theisen	352-3877	671-4139

SOCIETY CHAPTER OFFICERS

AES	Chmn.	Dave Flinchbaugh	422-2662	859-4855
COMMUNIC	Chmn.	George Taack, Jr.	339-1600	321-0319
	V.Chmn.	Bill Strickland	351-9960	--
	Sec.	Walt Wolters	351-9901	--
COMPUTER	Chmn.	Clark M. Hay	339-1600	331-5523
	Mbr.V.Chmn.	William Joseph	352-4126	299-7399
ELECTRON DEV.	Chmn.	Ralph M. Mindock	352-2776	862-7764
	Mbrshp.V.Chmn.	Donald C. Malocha	275-2414	862-5693
	Prgms.V.Chmn.	Dick Zanowick	352-2914	645-0831

SOCIETY CHAPTER OFFICERS (CONT'D)

			<u>BUSINESS</u>	<u>HOME</u>
AP/MTT	Chmn.	Al Fowler	678-2141	365-5772
	V. Chmn.	Larry W. Pack	352-4560	671-4047
PE/IA	Chmn.	Geoffrey E. Dick	352-2796	678-0979
	V. Chmn.	Joseph R. Miller	646-8233	644-7049
	Sec.	Roger D. Bowman	646-8222	275-7208
Student Branch	Chmn.	Michael Robitaille	275-2786	671-6088
	V. Chmn.	David Kotick	--	678-6710
	Recordg. Sec.	Diane Pavik	--	282-1941
	Corresp. Sec.	Karen Riley	--	--
	Treas.	Jon Klages	--	275-0023
Student Comput.	Chmn.	Tom Toor	275-2786	286-6359
	V. Chmn.	Art Weeks	275-2786	677-6472
	Sec. Treas.	Jon Klages	--	275-0023

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Mike Germain

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671-4139 H

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Jim Walter
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Longwood, FL 32750

Dr. Gerry C. White
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Ron Wojtasinski
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Cocoa Beach, FL 32931

Walt Wolters
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Sand Lake Room 207
Orlando, FL 32802
351-9901 B

Dick Zanowick
511 Temple Tr.
Maitland FL 32751
352-2914/645-0831 B/H

(B)

1. In Treasurer's report: Change first entry
for "Dreyfus" from 16,625.31 to 15,625.31

2. In Electronic Devices report add:

" Program Vice-Chairman of E.D. will be
Dick Z anowick "

ORLANDO SECTION
TREASURER REPORT 10/5/82

CASH BALANCE 7 SEPT 1982

10/5/82
J
C

CHECKING 272.32
DREYFUS FUND 16,103.99

TRANSFER

DREYFUS FUND TO CHECKING 500

EXPENSES

F. FLUET (POSTAGE) 25.95

D. KHANDERWAL (POSTAGE) 9.20

SOFTWARE RES. ASSOC. (LECTURE) 42.89

SEMINOLE HOUSE PRINTERS

(SECTION NOTES &

SEPT) 320.46

398.50

BALANCE:

CHECKING 373.82

DREYFUS FUND 15603.99

15977.81

D

10-5-82

IEEE COMMUNICATIONS SOCIETY

October, 1982 Report

First two meetings have been set. The first is a tour of United Telephone's Computer data services on October 20th. The second is an overview of fiber optic manufacturing on November 4th.

Future programs being pursued is someone from AT&T to discuss the effect of divestiture and someone from Plessey Telecommunications Limited to discuss System X.

Submitted by George B. Taack, Jr.

(E)

10-5-82

10/5/82

Computer Society

October meeting is planned to be EPCOT tour. Final arrangements are still pending. Attendance of 40 (members only) is planned.

Clark Hay attended the Computer Society Chapter Chairmans Workshps in Washington DC on Sept 24.

October 5, 1982

(F)

10-5-82

ELECTRON DEVICES SOCIETY REPORT

A meeting was held on September 21, 1982. Mr. Dwight York of Martin Marietta discussed state-of-the-art semiconductor processing equipment. Twelve people attended the meeting. Dr. Don Malocha was introduced as Membership Vice Chairman and Dr. Dick Zanowick as Program Vice Chairman. A budget for the operating year was presented and approved for submission to the section. The proposed budget is attached. Program plans and objectives for the society were also presented and discussed.

Submitted by:



Mickey Mindock,
Chairman

MM/lf
attachment

PROPOSED ELECTRON DEVICES SOCIETY BUDGET
FOR OCTOBER 1982 THRU SEPTEMBER 1983

4 MONTHLY MEETINGS

a) SPEAKER MEAL	4@ \$15	\$ 60
b) REFRESHMENTS AT MEETING	4@ \$10	\$ 40

1 DINNER MEETING

a) SPEAKER/LIMITED GUESTS MEALS	10@ \$15	\$150
b) MISC. NAME TAGS/POSTERS/FILM		\$ 30

STAMPS/OPERATING SUPPLIES \$ 60

3 TECHNICAL DIGESTS (IEDM OTHER EDS MEETINGS) \$100

TOTAL \$440

IEEE
ELECTRON DEVICES

OBJECTIVES 1982 - 1983

- . EXPAND MEMBERSHIP BEYOND MARTIN MARIETTA ROOTS

- . INCREASE PARTICIPATION OF MEMBERS
 - . ORGANIZATION OF FUTURE MEETINGS
 - . INCREASED PARTICIPATION IN SECTION ACTIVITIES
 - . ORGANIZATION OF SEMINAR AND/OR SPECIAL SESSION AT CONFERENCES
 - . PARTICIPATION WITH OTHER SOCIETIES i.e. AVS

ELECTRON DEVICE SOCIETY
IEEE PROGRAM PLANS 82-83

OCT:	OPEN	J.*
NOV:	JOINT MEETING WITH MTT - SAW - NOVEMBER 18	
DEC:	SECTION MEETING - LARSON, IEEE PRES. - DECEMBER 9	
JAN:	OPEN	H.*
FEB:	OPEN	F.
MAR:	OPEN	B.
APR:	OPEN	I.
MAY:	OPEN	G.
JUN:	OPEN	E.

POSSIBLE MEETINGS

- A. JOINT WITH VACUUM SOCIETY OR OTHER TECHNICAL GROUPS
- B. SPEAKER FROM UCF - DR. DON MOLOCHA
- C. MIT - DR. GATOS
- D. FORT MONMOUTH - DR. JACOBS
- E. MARTIN CORPORATE - MAX HELLER
- F. EDS CHAPTER - NATIONAL LECTURER - DR. MS. H. WHITE
- G. U OF F - LIFETIME IN S_i - ARNOST NEUGROSCHEL
- H. LEGAL PROFESSION TO ENGINEERING - D. BRUNING
- I. VHSIC-VLSI TO PROCESSING TECHNOLOGY - K. FORD
- J. ELECTRON BEAM TECHNOLOGY - STEVE HUTHMAN

* AGREED TO SPEAK, ARRANGEMENTS IN PROCESS

10-5-82

(6)



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PLEASE REPLY TO:
Dr. D. D. Khandelwal

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT
FOR
SEPTEMBER, 1982

Letters of "Welcome" were sent to seven new members and nine moving into the section. Three letters were sent to members going into arrears.

The following statistics are derived from the "Membership Changes and Additions for Month Ending 8-31-82".

<u>CODE</u>	<u>REASON</u>	<u>8-31-82</u>
A	New Election to Membership	7
B	Reinstatement to Membership	-
C	Arrears Paid	2
D	Address Change, Within Section	4
E	Moving Into Section	9
H	Transfer in Membership Grade	10
I	Moving Out of Section	10

D. D. Khandelwal

D. D. Khandelwal
Membership Development
Chairman

DDK:vcb

Robotics: Research And Business Opportunities Teleconference

GENERAL INFORMATION

The Educational Activities Board of the IEEE will sponsor a teleconference December 7, 1982 on Robotics. Four speakers, with wide experience in their field, have been assembled to make presentations and participate in a roundtable discussion. The nationwide teleconference is designed for electrical and computer engineers and will be a one-way video two-way audio link.

Arrangements for downlink sites in Boston, New York City, Philadelphia, Pittsburgh, Washington, Atlanta, Chicago, Detroit, Minneapolis-St. Paul, Dallas, Houston, Los Angeles and San Francisco, have been made to date. IEEE sections, universities, or company and government sites can be added if there is local interest in the program.

THE INSTRUCTORS

James S. Albus, Acting Chief, Industrial Systems Division, and Manager, Programmable Automation Section, National Bureau of Standards

Maurice J. Dunne, Vice President, Product Planning, Unimation, Inc.

Michael Radeke, Robot Division Manager, Cincinnati Milacron, Inc.

Thomas B. Sheridan, Professor of Engineering and Applied Psychology and Head of the Man-Machine Systems Laboratory, Massachusetts Institute of Technology

WHO SHOULD ATTEND

Our live, interactive satellite transmitted one-day Robotics short course will help paint the way to help you make decisions with expert coverage of current and future robot applications... trade-offs... basics of control... vision and other sensing... touch sensing... programming... human interfacing... sociological considerations.

Robotics: Research and Business Opportunities is intended for research, design and development engineers, computer hardware and software engineers, control and systems engineers, manufacturing and production engineers and top-level engineering management.

If your responsibilities involve any of the above, then we urge you to take advantage of this unique learning opportunity. Accommodations at each site are limited. To assure yourself a place, return the Registration Form right away.

COURSE PARTICULARS

Date: December 7, 1982
 Doors Open: 10:00 a.m. Eastern Standard Time
 Class Begins: 11:00 a.m. Eastern Standard Time
 Food Break/Selected Films: 1:30-2:00 p.m.
 Class Ends: 4:00 p.m. after roundtable discussion
 Question & Answer Period: Interactive phone hook-up with each instructor after his presentation
 Cancellation/Refunds: Full refund if cancellation received in writing at IEEE Service Center by November 30, 1982. Cancellations received after this date are subject to a \$50.00 cancellation charge.

Fees: See Registration Form
 Further Information: For details on antenna rental, group fees, or for answers to any questions, contact the IEEE Continuing Education Department (201) 981-0061.

GROUP FEES FOR CORPORATIONS, UNIVERSITIES, AND IEEE ENTITIES

Company and government sites will be charged a flat fee of \$3500 (for an unlimited number of attendees) plus \$1200 for a receive only terminal, if needed. Cost includes a camera ready copy of notes mailed beforehand for duplication by licensee. Special group rates are also available for IEEE sections, chapters, etc. and for presentation by universities. Details are available from the IEEE Continuing Education Department (201) 981-0061.

REGISTRATION FORM ROBOTICS: RESEARCH AND BUSINESS OPPORTUNITIES

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Individual Registration Fee: IEEE Members \$125.00; Non-members \$175.00. Note: Fees tax deductible if course is taken to maintain or improve your skills. Twenty-five dollars of non-member fee is applicable to IEEE membership if form completed by course date.

Payment Enclosed (Checks Payable to IEEE) _____

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Telephone No. _____

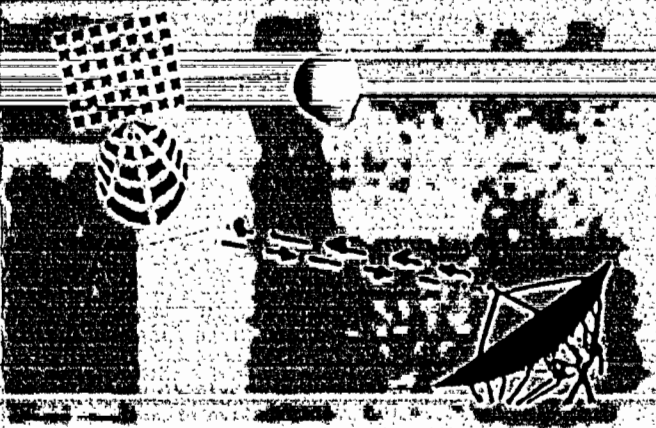
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 327, 328, 329

Continuing Education Department, 445 Hoos Lane, Piscataway, NJ 08854 USA (201) 981-0060, Ext. _____

(201) 981-0060, Ext. _____



COLLEGE OF ENGINEERING
 CONTINUING ENGINEERING EDUCATION
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA 29208



A One Day Teleconference
 ON

ROBOTICS

December 7, 1982

Sponsored By
 Educational Activities Board
 Institute of Electrical
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1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

October 22, 1982

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, November 2, 1982

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

Enclosed with the minutes of the last meeting is a revised list of the Executive Committee members. Please mark any additional changes and return to me for update of the Section Notes.

Sincerely,

A handwritten signature in cursive script that reads "Frank Fluet".

Frank Fluet
Secretary
IEEE Orlando Section



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IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: October 5, 1982

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: Frank Fluet
Ed Ellis
Clark Hay
Ernets Erickson
Mickey Mindock
Jeff Dick
Larry W. Pack
Russ Thiesen
John Gilbert
W. C. Cram
B. W. Patz
George B. Taack, Jr.
Don Mendorf
Joe Massett
Don Malocha
Fred O. Simons, Jr.
David E. Flinchbaugh

Minutes:

1. Meeting was called to order at 5:47 PM by Vice-Chairman, Ed Ellis.
2. Minutes were amended per:
 - a. In Treasurer's report: Change first entry for "Dreyfus" from 16,625.31 to 15,625.31.
 - b. In Electronic Devices report add: "Program Vice-Chairman of E.D. will be Dick Zanowick".and then approved.

3. Treasurer's Report: Don Mendorf

CASH BALANCE - 7 SEPT. 1982

CHECKING	\$ 272.32
DREYFUS FUND	16,103.99
TRANSFER:	
DREYFUS FUND TO CHECKING	500.00

EXPENSES:	
F. FLUET (POSTAGE)	25.95
D. KHANDELWAL (POSTAGE)	9.20
SOFTWARE RES. ASSOC. (LECTURE)	42.89
SEMINOLE HOUSE PRINTERS (SECTION NOTES - SEPT.)	320.46
	<u>\$398.50</u>
BALANCE:	
CHECKING	\$ 373.82
DREYFUS FUND	15,603.99
	<u>\$15,977.81</u>

Moved for approval by John Gilbert seconded by Ben Patz. Motion carried.

4. Communication Society: George Taack

First two meetings have been set. The first is a tour of United Telephone's Computer data services on October 20th. The second is an overview of fiber optic manufacturing on November 4th.

Future programs being pursued is someone from AT&T to discuss the effect of divestiture and someone from Plessey Telecommunications Limited to discuss System X.

5. Computer Society: Clark Hay

October meeting is planned to be EPCOT tour. Final arrangements are still pending. Attendance of 40 is planned.

Clark Hay attended the Computer Society Chapter Chairman's Workshop in Washington, DC on September 24th.

6. Electron Devices Society: Mickey Mindock

A meeting was held on September 21, 1982. Mr. Dwight York of Martin Marietta discussed state-of-the-art semiconductor processing equipment. Twelve people attended the meeting. Dr. Don Malocha was introduced as Membership Vice Chairman and Dr. Dick Zanowick as Program Vice Chairman. A budget for the operating year was presented and approved for submission to the section. Program plans and objectives for the society were also presented and discussed.

7. Programs Committee: Ben Patz (for Michael Harris)

Arrangements information for the annual picnic will be prepared shortly for Gerry White to publish in the Section Notes. The square-dance caller will be John Hucko. Any volunteers to help the committee should contact Michael Harris.

8. Awards Chairman: Joe Massett

Proposed following additional awards be given:

Author of the Year
Inventor of the Year
Community Service Award

Fred Simons moved that the Awards Committee be given the authority to entertain any new awards in addition to those presented in previous years. Seconded by Russ Theisen. Motion carried.

9. PACE: John Gilbert moved that we buy another 72 cups with handles and IEEE logo, etc. Motion seconded by Russ Theisen. Motion carried.

10. Membership Development: Mickey Mindock (for Deen Khandelwal)

Letters of "Welcome" were sent to seven new members and nine moving into the section. Three letters were sent to members going into arrears.

The following statistics are derived from the "Membership Changes and Additions for month Ending 8-31-82".

<u>CODE</u>	<u>REASON</u>	<u>8-31-82</u>
A	New Election to Membership	7
B	Reinstatement to Membership	-
C	Arrears Paid	2
D	Address Change, Within Section	4
E	Moving Into Section	9
H	Transfer In Membership Grade	10
I	Moving Out Of Section	11

11. Bylaws Chairman: Ernie Erickson. No report.

12. Education Chairman: Fred Simons

Presented more details on the short course to be offered at UCF at the end of January or beginning of February. The subject will be signal processing integrated circuits and related development systems. John Gilbert moved that the Chapter sponsor the short course, providing advertising monies to be refunded from profits of the short course (based on our standard advertising rates). Seconded by Fred Simon. Carried.

Fred is also planning a "first-annual wide-scope Modeling/Simulation" conference for approximately December. Any suggestions for topics and subjects of papers would be appreciated. As plans solidify, a request will be made for IEEE sponsorship in the future.

13. SOUTHEASTCON: Russ Theisen

Re-emphasized the call for SOUTHEASTCON papers. Many have already been received, more are needed. The local arrangements committee needs volunteers. Please call Russ if available.

14. Historian: Russ Theisen

If anyone has any pre-1970 copies of Orlando Section Notes please contact Russ or send him a copy to help complete the historical records. Russ notes that Tom Toor, a local IEEE student member, has received a national award from the Computer Society for "outstanding leadership and contributions in the Orlando, Florida Section's Student Chapter of the Computer Society".

The Section historical records are overflowing present storage facilities. Geoffrey Dick moved that the Section supply funds to Russel Theisen to obtain three four-drawer file cabinets for storing IEEE historical records. Seconded by Ernie Erickson. Motion carried.

15. AES: Dave Flinchbaugh

Mentioned topic for possible future technical meetings concerning progress in developing nuclear fusion. More details will be announced at future meeting.

16. Florida Council of Engineering Societies (FCES): Dave Flinchbaugh - No written report.

17. New Business: Dave Flinchbaugh

A. The Educational Activities Board of the IEEE will sponsor a teleconference December 7, 1982 on Robotics. Four speakers, with wide experience in the field, have been assembled to make presentations and participate in a round table discussion. The nationwide teleconference is designed for electrical and computer engineers and will be a one-way video, two-way audio link.

B. Company and government sites will be charged a flat fee of \$3500 (for an unlimited number of attendees), plus \$1200 for a receive only terminal, if needed. Cost includes a camera ready copy of notes mailed beforehand for duplication by licensee. Special group rates are also available for IEEE sections, chapters, etc., and for presentation by universities. Details are available from the IEEE Continuing Education Department (201) 981-0061, or contact Dave Flinchbaugh if interested.

18. Don Mendorf moved to adjourn seconded by Ben Patz. Adjournment at 7:24 PM.

19. After the conclusion of the SECTION meeting, the Chapter Chairmen present elected Geoff Dick as the Chapter's Representative to the Executive Committee.

IEEE ORLANDO EXECUTIVE COMMITTEE

EXECUTIVE BOARD

		<u>BUSINESS</u>	<u>HOME</u>
Chairman	Mannie Connell	351-1210	273-8588
Vice Chairman	T. E. (Ed) Ellis	339-1600	834-3319
Secretary	Frank Fluet	843-7030	339-8905
Treasurer	Don Mendorf	628-9884	869-7435

STANDING COMMITTEE CHAIRMEN

Jr. Past Chairman	Benjamin W. Patz	275-2816	855-3685
Sr. Past Chairman	George F. McClure	352-3782	647-5092
Programs	Michael Harris	275-2584	--
Publicity	David George	859-5120	644-2596
Publications	Gerry White	646-4491	678-3621
Awards	Joe Massett	352-3858	834-3448
FES Liaison	Richard C. Harden	855-0881	855-5775
Prof. Act. Comm.	John Gilbert	365-2363	859-5492
Student Act. Comm.	Richard Miller	275-2786	--
Education	Fred O. Simons	275-2405	678-1796
Membership Develop.	Deen Khandelwal	352-2583	277-5959

SPECIAL COMMITTEES

By-Laws	Ernest E. Erickson	275-2310	365-5560
SOUTHCON	Bruce E. Mathews	275-2156	645-0549
Advertising Manager	William A. Kownacki	843-8484	365-5818
Historian	Russell E. Theisen	352-3402	671-4139
Member-at-Large	William C. Cram	--	647-4123
Member-at-Large	Herb Towle	--	--
SOUTHEASTCON	Russell E. Theisen	352-3877	671-4139

SOCIETY CHAPTER OFFICERS

AES	Chmn.	Dave Flinchbaugh	1-268-7252	859-4855
COMMUNIC	Chmn.	George Taack, Jr.	339-1600	321-0319
	V.Chmn.	Bill Strickland	351-9960	--
	Sec.	Walt Wolters	351-9901	--
COMPUTER	Chmn.	Clark M. Hay	339-1600	331-5523
	Mbr.V.Chmn.	William Joseph	352-4126	299-7399
ELECTRON DEV.	Chmn.	Ralph M. Mindock	352-2776	862-7764
	Mbrshp.V.Chmn.	Donald C. Malocha	275-2414	862-5693
	Prgms.V.Chmn.	Dick Zanowick	352-2914	645-0831

SOCIETY CHAPTER OFFICERS (CONT'D)

			<u>BUSINESS</u>	<u>HOME</u>
AP/MTT	Chmn.	Al Fowler	678-2141	365-5772
	V. Chmn.	Larry W. Pack	857-2591	671-4047
PE/IA	Chmn.	Geoffrey E. Dick	352-2796	678-0979
	V. Chmn.	Joseph R. Miller	646-8233	644-7049
Student Branch	Chmn.	Michael Robitaille	275-2786	671-6088
	V. Chmn.	David Kotick	--	678-6710
	Recordg. Sec.	Diane Pavik	--	282-1941
	Corresp. Sec.	Karen Riley	--	--
	Treas.	Jon Klages	--	275-0023
Student Comput.	Chmn.	Tom Toor	275-2786	286-6359
	V. Chmn.	Art Weeks	275-2786	677-6472
	Sec. Treas.	Jon Klages	--	275-0023

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647-4123 H

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Dr. Bruce E. Mathews
UCF-College of Engrg.
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George F. McClure
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Orlando, FL 32816
Attn: E.E. Dept.
275-2786/892-7337 B/H

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352-2776/862-7764 B/H

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Dr. Ben W. Patz
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275-2816/855-3685 B/H

Vernon Powers
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St. Petersburg, FL 33733

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Ron Wojtasinski
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Cocoa Beach, FL 32931

Walt Wolters
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Sand Lake Room 207
Orlando, FL 32802
351-9901 B

Dr. Richard Zanowick
511 Temple Tr.
Maitland FL 32751
352-2914/645-0831 B/H



THE INSTITUTE OF
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(B)

11-2-82

PLEASE REPLY TO:

Award Committee

A request for nominations for Region 3
Engineer of the Year and a Service Award ^{Section Notes}
of the Year will be published in the November ¹
~~next section notes~~, and December Section
^{for receiving nominations}

Notes: Cutoff date ^{is} 15 December 1982.

Nominations for section awards will be
solicited in the Dec and January section
notes.

11-2-82
C

IEEE ORLANDO SECTION
TREASURER REPORT - 11/2/82

BALANCE - 10/5/82

Checking	-	\$ 373.82
Dreyfus Fund	-	<u>15,603.99</u>
		\$15,977.81

TRANSFER -

Dreyfus Fund to checking (10/5) \$ 1,000.00

INCOME -

Dreyfus Fund - July, August, & September	\$ 518.97
IEEE 1982 Second half rebate	<u>1,238.20</u>
	\$ 1,757.17

EXPENSES -

Southeast Comm. from Dreyfus	\$ 1,000.00
F.A. Fluet, Postage	13.32
Postmaster, Orlando	150.00
Seminole House Printers	341.25
IEEE Services	<u>293.89</u>
	\$ 1,798.46

BALANCE - 11/2/82

Checking	-	\$ 1,813.56
Dreyfus Fund	-	<u>14,122.96</u>
		\$15,936.52

11-2-82
D

IEEE ORLANDO SECTION

BUDGET - 1982-1983

EXPENSES -

Chairman	\$ 100
Secretary	150
Treasurer	75
Publicity	50
Awards	500
Notes (400 x 10)	4,000
Mailings	400
Inter-society Liasion	200
Membership Development	50
Historian	200
Bar-B-Q	100 300
Awards Banquet	300 300
Installation Banquet	200 300
AES	50
Comm.	220
Computer	200
Electron Devices	440
AP/MTT	250
PE/IA	100
Student Branch	50
IEEE Expense	600
	<hr/>
	\$ 7,025 8535

INCOME -

IEEE Rebate	\$ 2,500
Dreyfus Fund Interest	2,000
Southeast Comm. Rebate	2,500
Southeast Comm. Income	500
Tourtorial week east	200
Regional Meeting Income	500
	<hr/>
	\$ 8,200

Starting Balance
June, 1982

\$16,675.56

Proposed Ending Balance
June, 1983

³⁴⁰
~~\$16,940.56~~
16,340.56

11-2-82
E

MINUTES
SOUTHEASTCON '83
STANDING COMMITTEE
23 OCTOBER 1982

Attendance:	Russell E. Theisen	General Chairman
	Benjamin W. Patz	Student Conference
	Joseph L. Massett	Finance Chairman
	Thomas E. Ellis	Publications & Publicity
	Robert Martin	Local Arrangements

1. Bruce Mathews reported to Russ Theisen that he has received between 150 and 200 abstracts of papers for presentation at the conference. He requires assistance in reviewing these papers.
2. George McClure reported to Russ Theisen that approximately 80 firms have expressed interest in exhibit space. Copies of the proposed exhibitor invitation and contract were circulated.
3. Ben Patz presented space requirements for student activities. Space is required for a meeting of student advisors, for a professional activities meeting, for a student reception, for papers presentation, and for a student "seeker" contest. The latter is being arranged by Ben Patz and will require an area 32' x 32' in the exhibit hall area. The area should be identified by signs, and possibly other markings, starting Sunday evening thru midnite Monday. The contest is tentatively scheduled for 7:00 PM to midnite Monday.
4. Ben Patz and Bob Martin both require lists of area attractions and rates for student and general attendance information. Ben Patz also requires help in identifying suitable student housing at rates which will be affordable by students. Dr. Miller and three UCF students will coordinate the housing inputs.
5. John Gilbert is investigating possible sources of funds for support of student attendance. FCIEEE may contribute toward this.
6. We have a cash flow problem. There have been funding advances totaling \$3,500, but no income can be expected for another one or two months. IEEE Region 3 has pledged another \$1,000 advance. Russ Theisen will inquire of Region 3.
7. Student activities are funded separately by Region 3, but bills will be paid by Joe Massett. Ben Patz will prepare a proposed budget for presentation to the region.

8. There was a consensus that the projected cost for printing conference programs was too high.
9. Dave Dumin of Clemson is handling the student papers program. He can be reached at 803-656-3190.
10. If a student "Bash" is held, it will be at UCF to avoid problems with the hotel catering contracts.
11. Schedule items, as follows, were reconfirmed:
 - 10/24 Bob Martin will report on Bruce Mathews papers reviewer's needs.
 - 11/13 Next committee meeting.
 - 11/14 Abstract reviews complete.
 - 12/10 All information required for advanced programs, including student activities.
 - 2/28 Names required for awards recipients.
12. George McClure will need to ascertain exhibitors' needs for meeting rooms and hospitality suites. A policy is needed for special registration rates for blocks of tickets that may be needed by the exhibitors.
13. A policy is needed for registration for single-day attendance. The suggested rate is \$35.
14. The social program is not complete. Plans to date are a Reception Monday (April 11) 5-7 PM, Awards Luncheon Tuesday, 12-2 PM, and Speaker's Breakfast "Tuesday morning".
15. Southeastcon address list of 17 October should have the following items added:
 - Add: Local Arrangements Committee Member
Robert Martin
4510 Fontana Street
Orlando, FL 32807
275-2384 (o), 273-3942 (h)
 - Add: Local Printer (contact name omitted)
Jeff Heslip

(F)
11-2-82

PARTICLE BEAM WEAPONRY

and an

UPDATE ON ENERGY

FROM NUCLEAR FUSION

SPEAKER: DR. STEPHEN BARDWELL

EDITOR OF "FUSION" MAGAZINE

DATE: NOVEMBER 15, 1982 (MONDAY)

PLACE: FLORIDA POWER CORP.
1150 ORANGE AVE.
WINTER PARK, FL

TIME: 7:30 PM

CO-SPONSORS: IEEE AEROSPACE & ELECTRONIC SYSTEMS
IEEE POWER GROUP, G. Dick 678-0977
SME D. Flinchbaugh 859-4855

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Name: _____

Address: _____

City _____ State _____ Zip _____

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Res: (____) _____

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Do you own your own plane? _____

Make and model: _____

Home base: _____

Hours logged: _____

Engineering specialty _____

Wifes name _____

A brief resume or biographical sketch included with this application would be appreciated. A photograph is optional.

Send this form and a check in the amount of \$15.00 to:

"FLYING ENGINEERS"

Secretary/Treasurer
8506 Louis Drive
Huntsville, AL 35802



The Flying Engineers
8506 Louis Drive, SE
Huntsville, AL 35802

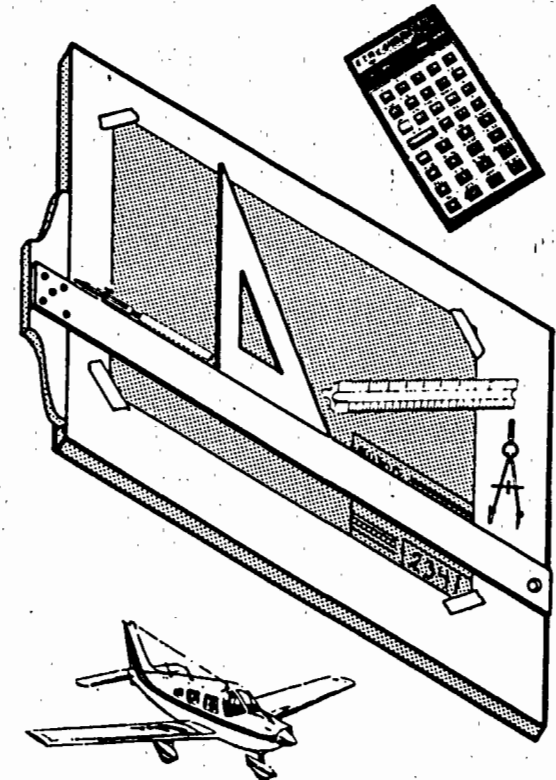
Place
Stamp
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11-2-82 (6)

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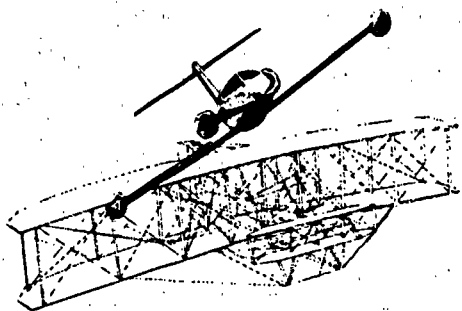
THE FLYING ENGINEERS

8506 Louis Drive SE
HUNTSVILLE, ALABAMA 35802

The Executive Committee of the FLYING ENGINEERS INTERNATIONAL, who serve without compensation, are elected annually by the membership.

OBJECTIVES

1. To promote aviation, engineering and research, separately and in concert.
2. To promote general aviation safety by example and teaching.
3. To attain and promote more advanced proficiency and knowledge in the operation of aircraft.
4. To stimulate aviation consciousness and acceptance in young men and women.
5. To encourage aviation activity and consciousness within the engineering profession.
6. To emphasize the use of aircraft in facilitating the practice of engineering.



Membership

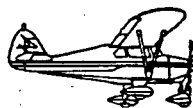
Membership in this organization shall be open to all who currently, or in the past have actively practiced engineering and who hold valid Pilots Certificates or those listed under 2 (c) below. Honorary membership may be conferred on others at the discretion of the Board of Directors, for a period of one year but may be renewed annually.

Types of Membership

1. Active members are those primarily engaged in the profession of engineering who hold at least a valid private pilot's license, and are approved by the Board of Directors.
2. Associate members are: (a) Student pilots who are engineers; (b) Engineering students who are pilots; (c) Those engineers who are interested in supporting flying safety but are not pilots themselves, and are approved by the Board of Directors.
3. Life members are: Active members who are exempt from paying dues. Election to this rank is by the membership upon recommendation of the Board of Directors.

MEMBERSHIP BENEFITS

Quarterly Newsletters
Annual Issue of HANGAR FLYING
Annual Fly-in Convention
Regional Activities
Maintenance Seminars
Technical Information Exchange



HISTORY

The Flying Engineers International was founded in Milwaukee, Wisconsin in 1964 by Rolf Johnson. The primary objectives of the organization are to promote flight safety and the utility of light aircraft by Flying Engineers. An additional goal is to act as a recognized political action groups to express views before the Federal Aviation Administration, the Federal Communications Commission and Congress on those issues of importance to general aviation and in particular to that segment of general aviation which is representative of Flying Engineers.

MEETINGS AND PUBLICATIONS

One-day regional meetings are held approximately 4 times a year and a three-day annual meeting is held in May or June. During the annual meeting new officers are elected, technical sessions are held and the meeting is concluded with a banquet on the evening of the third day. Newsletters on timely subjects are mailed to the membership during each quarter. Additionally, an annual issue of "HANGAR FLYING" is published and mailed to the membership.



(A)
11-2-

IEEE COMMUNICATIONS CHAPTER

NOVEMBER, 1982

First meeting was held on October 20 at United Telephone of Florida offices near Apopka. Approximately twenty people were taken on a tour of United's data processing facilities.

Next meeting is to be November 4, 1982, when Mr. William Shinnick of Western Electric will talk on fiber optics.

Future meeting is a proposed joint meeting¹⁷ with the Section during the week of January 10, 1983. Someone from the Bell System will talk on the impact of the break-up of AT&T on the individual and the Bell Companies.

ms

(I)

2 NOV 1982

COMPUTER SOCIETY MEETING NOTICE

LATEST AND GREATEST IN MICROPROCESSORS

PANEL DISCUSSION ON WHAT IS HAPPENING IN
THE MICRO WORLD BY

JIM BURKE OF INTEL

WALT WIMBERLEY OF MOTOROLA

JIM GANN OF FAIRCHILD

+ OTHERS TO BE ANNOUNCED

6 PM TUESDAY NOV 23rd

HOUSE OF BEEF JOHN YOUNG PARKWAY AT WEST 50

CALL 339-1600 TO RESERVE YOUR SPACE

October 18, 1982

AK
11-2-82

MTT SOCIETY

The October 28th meeting will be held at Al Fowler's home at 901 Arabian Ave., Winter Springs. This will be a get-together meeting with spouses invited. There will be a potluck supper at 6 P.M. Bring a covered dish or a salad and BYOB. Set-ups will be provided. After dinner we'll have a short meeting to elect officers and toss around some ideas for this year's program. Al Fowler will give a brief talk on some of his experiences in the antenna business that, hopefully, will be of interest to spouses as well as members. Please call Peg Fowler at 365-5772 to advise if you are coming. We'd like to have an idea how many will be there.

To get to the Fowler's from Rte 436 proceed East on Red Bug Rd. (4 miles) to Tusawilla Rd; Left on Tusawilla (1 mile) to Dyson Rd. (1st entrance to Tusawilla). Right on Dyson (1 mile) to Arabian Ave. Fowler's on corner of Arabian and Dyson.

November 18 is a joint meeting with Electron Devices Society.

The speaker is Tom Shoquist, Director of Engineering for SAWTEC, 2541 Shader Rd., Orlando. Tom is a member of MTT and will devote part of his talk to a general discussion of Surface Acoustical Wave Technology and the other portion to a detailed technical subject. The meeting will be held at 5:15 PM at Hewlett Packard on Lake Eleanor Drive.

We have requested the distinguished lecturer(s) of the Antenna and Propagation Society and hope to obtain one or more speakers this year. For further information contact Carl Schunemann at 352-4366.

AKF/mf

Al Fowler
Al Fowler
Chairman

List of Distinguished Lecturers

Kc
U-2-82

<u>Lecturer</u>	<u>Topic</u>	<u>Term Ends</u>
Dr. Keith Carver New Mexico State University Engineering Experiment Station Las Cruces, N.M. (505) 522-9100	Microstrip Antenna Technology	6/83
Dr. R. Crane Dartmouth University Hanover, N.H. (603) 646-3843	Propagation Phenomena Affecting Millimeter Wave Systems.	6/83
Dr. Thomas Miller Hughes Aircraft Co. Bldg. 600, MS/F259 P.O. Box 3310 Fullerton, California 92634 (714) 732-6205	Adaptive Arrays: Overview and Fundamental Limitations	6/83
Dr. Yahya Rahmat-Samii. Jet Propulsion Laboratories 161-213 4800 Oak Grove Drive Pasadena, California 91103 (213) 354-5714	Satellite Antennas	8/84
Dr. Jin Au Kong Department of Electrical Engineering and Computer Science Massachusetts Institute of Technology Cambridge, Massachusetts 02139 (617) 253-5625	Theoretical Models for Remote Sensing of the Earth	8/84
Professor B.A. Munk Associate Supervisor The Ohio State University ElectroScience Laboratory Columbus, Ohio (614) 422-6993	Frequency Selective Surfaces	8/84

(L)

IEEE Student Chapter.

NEW OFFICERS	Fall 1982	
Chairman	Angela Palmer	859-5446
Vice Chairman	Jim Freeman	295-5982
Secretary	Andy Lee	282-2718
Treasurer	Lynda Monckton	327-2363

Computer Society

Chairman	Tom Toor	282-6359
Vice Chairman	Edward Jansson	644-9008

Ticket Sales for picnic - 0 -
interferes with (Eta Kappa Nu) banquet.
and (EBT)

42.381 50 SHEETS 5 SQUARE
42.382 100 SHEETS 5 SQUARE
42.383 200 SHEETS 5 SQUARE
NATIONAL

ELECTRON DEVICE SOCIETY

IEEE PROGRAM PLANS 82-83

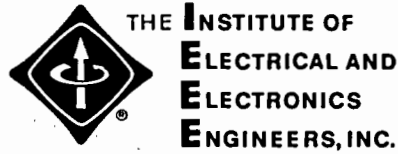
(J)
u-

OCT: CHAPTER MEETING - OVERVIEW SAW TECHNOLOGY - OCTOBER 19 - B*
NOV: JOINT CHAPTER MEETING WITH MMT - SAW - NOVEMBER 18
DEC: SECTION MEETING - LARSON, IEEE PRES. - DECEMBER 9
JAN: CHAPTER MEETING - E-BEAM TECHNOLOGY - JAN. 20 - J*
FEB: CHAPTER MEETING - FIXED PRICE CONTRACTS - FEB. 17 - H*
MAR: OPEN
APR: OPEN
MAY: OPEN
JUN: OPEN

POSSIBLE MEETINGS

- A. JOINT WITH VACUUM SOCIETY OR OTHER TECHNICAL GROUPS
- B. SPEAKER FROM UCF - DR. DON MALOCHA
- C. MIT - DR. GATOS
- D. FORT MONMOUTH - DR. JACOBS
- E. MARTIN CORPORATE - MAX HELLER
- F. EDS CHAPTER - NATIONAL LECTURER - DR. M. H. WHITE
- G. U OF F - LIFETIME IN Si - ARNOST NEUGROSCHER
- H. LEGAL PROFESSION TO ENGINEERING - D. BRUNING
- I. VHSIC - VLSI TO PROCESSING TECHNOLOGY - K. FORD
- J. ELECTRON BEAM TECHNOLOGY - STEVE HUTHMAN

* AGREED TO SPEAK, ARRANGEMENTS IN PROCESS



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PLEASE REPLY TO:

1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

November 22, 1982

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, December 7, 1982

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

Please revise your list of Committee members names and addresses and the Exec. Committee list in the SECTION NOTES as follows:

1. Remove Deen Khandelwal as Membership Development Chairman.
2. Add new Membership Development Chairman

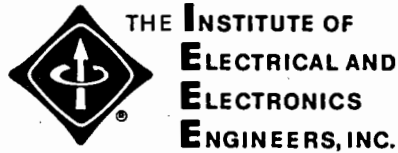
Don Sullivan
2212 Deanna Drive
Apopka, FL 32703
352-5782/886-3595 B/H

3. Change Mannie Connell's Business phone to 1-784-7000 X783
4. Make changes to the STUDENT listings in SECTION NOTES

		BUS.	HOME
Student Branch Chmn.	Angela Palmer	---	859-5446
V.Chmn.	Jim Freeman	---	295-5982
Sec.	Andy Lee	---	282-2718
Treas.	Lynda Moncton	---	327-2363
Student Comput. Chmn.	Tom Toor	---	282-6359
V Chmn.	Edward Jansson	---	644-9008

Sincerely,

Frank Fluet
Secretary
IEEE Orlando Section



PLEASE REPLY TO:

1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: November 2, 1982

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: Don Mendorf
George Taack
Ed Ellis
Al Fowler
Bill Cram
R. M. Mindock
Clark Hay
Geoffery Dick
Gerry C. White
George F. McClure
J. L. Massett
F. A. Fluet
Mannie Connell
Fred Simons
Dave Flinchbaugh
Ben Patz

Minutes:

1. Meeting was called to order at 5:40 PM by Chairman Mannie Connell.
2. A joint meeting of the Societies was again discussed. Having received no proposals for location and meeting format from the Program Chairman, the discussion was deferred until the next meeting.
3. Publications: Gerry White established a new firm deadline of the 20th of the month for material to be published in the Section Notes, in order for Notes to be mailed out by the last day of the month.
4. Awards Committee: Joe Massett - A request for nominations for Region 3 Engineer of the Year and a Service Award of the Year will be published in the November and December Section Notes. Cutoff date for receiving nominations is 15 December 1982. Nominations will be solicited in the December and January Section Notes.
5. Education: Fred Simons - Has a description of the technical seminar on digital signal processing to be presented at UCF on Feb. 2, 3, and 4, 1982. It will be published shortly. Fred discussed a desire to start an annual conference on Modeling and Simulation to be held at UCF starting December 1983. He requested the Orlando Section sponsor the seminar and possibly supply seed money. Ed Ellis moved that \$1,000 be provided as seed money.

Motion was made by George McClure to table the prior motion until a documented plan and proposed budget be submitted. Subsidiary motion passed, tabling main motion.

6. Minutes of previous meeting were approved on motion by Ed Ellis, seconded by George McClure.
7. Treasurer's Report: Don Mendorf - Submitted a proposed budget. It was discussed and ammended resulting in the following:

BUDGET - 1982-1983

EXPENSES

Chairman	\$ 100
Secretary	150
Treasurer	75
Publicity	50
Awards	500
Notes (400 x 10)	4,000
Mailings	400
Inter-society Liaison	200
Membership Development	50
Historian	200
Bar-B-Q	300
Awards Banquet	300
Installation Banquet	300
AES	50
Comm.	220
Computer	200
Electron Devices	440
AP/MTT	250
PE/IA	100
Student Branch	50
IEEE Expense	600
	\$8,535

INCOME

IEEE Rebate	\$2,500
Dreyfus Fund Interest	2,000
Southeast Comm. Rebate	2,500
Southeast Comm. Income	500
Tourtorial Week East	200
Regional Meeting Income	500
	\$8,200

Starting Balance
June, 1982

\$16,675.56

Proposed Ending Balance
June, 1982

\$16,340.56

Ed Ellis moved for approval of the budget, as ammended, seconded by Al Fowler. Motion carried.

Don Mendorf submitted the Treasurer's Report:

BALANCE - 10/5/82

Checking	-	\$ 373.82
Dreyfus Fund	-	<u>15,603.99</u>
		\$15,977.81

TRANSFER -

Dreyfus Fund to Checking (10/5) \$1,000.00

INCOME -

Dreyfus Fund - July, August, & September \$ 518.97

IEEE 1982 Second Half Rebate 1,238.20

\$1,757.17

EXPENSES

Southeast Comm. from Dreyfus \$1,000.00

F. A. Fluet, Postage 13.32

Postmaster, Orlando 150.00

Seminole House Printers 341.25

IEEE Services 293.89

\$1,798.46

BALANCE - 11/2/82

Checking	-	\$ 1,813.56
Dreyfus Fund	-	<u>14,122.96</u>
		\$15,936.52

Ed Ellis' motion for acceptance was seconded and carried.

- Motion was made by Gerry White, seconded by Bill Cram to buy a mailing list program to be used on a TRS-80 by the Section as needed to assist in conference mailings, etc. Cost is approximately \$125. Program to be initially used by George McClure. The motion carried.

9. SOUTHEASTCON '83: Ed Ellis - Reported on the SOUTHEASTCON '83 Standing Committee meeting of October 23, 1982. At that meeting, Bruce Mathews reported that he has received between 150 and 200 abstracts of papers for presentation at the conference. He requires assistance in reviewing these papers. Approximately 80 firms have expressed interest in exhibit space.
10. Mannie Connell made a call for volunteers at the Bar-B-Q to collect tickets and to cook. Due to lack of interest and lack of ticket sales, (Ben Patz noted that it conflicted with Eta Kappa Nu and Tau Beta Pi banquets) Gerry White moved that the Bar-B-Q be cancelled this year seconded by Ralph Mindock. Motion carried.
11. AES: Dave Flinchbaugh - Presented the details of the next meeting to be held jointly with PE/IA chapter:

Particle Beam Weaponry and an Update on Energy from Nuclear Fusion

Speaker: Dr. Stephen Bardwell, Editor of "FUSION" magazine.

Date: Monday, November 15, 1982

Time: 7:30 PM

Place: Florida Power Corp., 1150 Orange Ave., Winter Park, FL

Co-Sponsors: IEEE Aerospace & Electronics Systems

IEEE Power Group, G. Dick 678-0979

SME, D. Flinchbaugh 859-4855

Dave also circulated flyers of an organization called "Flying Engineers International: An Organization Devoted to Engineers Who Fly". For more information, contact Dave.

12. Communications Society: George Taack, Jr. - First meeting was held on October 20 at United Telephone of Florida offices near Apopka. Approximately twenty people were taken on a tour of United's data processing facilities.

Next meeting is to be November 4, 1982, when Mr. William Shinnick of Western Electric will talk on fiber optics.

Future meeting is proposed joint meeting with the Section during the week of January 17, 1983. Someone from the Bell System will talk on the impact of the break-up of AT&T on the individual and the Bell Companies.

13. Computer Society: Clark Hay - Computer Society Meeting Notice

Latest and Greatest in Microprocessors.

Panel discussion on what is happening in the Micro World by

Jim Burke of Intel
Walt Wimberley of Motorola
Jim Gann of Fairchild
+ Others to be Announced

6 PM, Tuesday, Nov. 23rd

House of Beef - John Young Parkway at West 50

Call 339-1600 to reserve your space

14. Electron Devices: Mickey Mindock - Discussed the next meeting to be held jointly with MTT Society on November 18. The speaker is Tom Shoquist, Director of Engineering for SAWTEC, 2541 Shader Rd., Orlando. Tom is a member of MTT and will devote part of his talk to a general discussion of Surface Acoustical Wave Technology and the other portion to a detailed technical subject. The meeting will be held at 5:15 PM at Hewlett Packard on Lake Eleanor Drive.

15. AP/MTT - Al Fowler - Submitted a list of available distinguished speakers and the titles of their presentations. Please contact Al or Carl Schunemann (352-4366) if any of the following topics are of particular interest for future meetings.

Microstrip Antenna Technology
Propagation Phenomena Affecting Millimeter Wave Systems
Adaptive Arrays: Overview and Fundamental Limitations
Satellite Antennas
Theoretical Models for Remote Sensing of the Earth
Frequency Selective Surfaces

16. PE/IA: Geof Dick - Announced participation of PE/IA jointly with AES (see AES report, above).
17. STUDENT BRANCH: Ben Patz - Submitted the following list of officers of the UCF Student Chapter:

Chairman	Angelea Palmer	859-5446
Vice Chairman	Jim Freeman	295-5982
Secretary	Andy Lee	282-2718
Treasurer	Lynda Monckton	327-2363

Computer Society		
Chairman	Tom Toor	282-6359
Vice Chairman	Edward Jansson	644-9008

18. Bill Cram moved for adjournment, seconded by Gerry White, at 7:28PM. Motion carried. The next meeting will be Tuesday, December 7, 1982.

IEEE ORLANDO EXECUTIVE COMMITTEE

EXECUTIVE BOARD

		<u>BUSINESS</u>	<u>HOME</u>
Chairman	Mannie Connell	1-784-7000 X783	273-8588
Vice Chairman	T. E. (Ed) Ellis	339-1600	834-3319
Secretary	Frank Fluet	843-7030	339-8905
Treasurer	Don Mendorf	628-9884	869-7435

STANDING COMMITTEE CHAIRMEN

Jr. Past Chairman	Benjamin W. Patz	275-2816	855-3685
Sr. Past Chairman	George F. McClure	352-3782	647-5092
Programs	Michael Harris	275-2584	--
Publicity	David George	859-5120	644-2596
Publications	Gerry White	646-4491	678-3621
Awards	Joe Massett	352-3858	834-3448
FES Liaison	Richard C. Harden	855-0881	855-5775
Prof. Act. Comm.	John Gilbert	365-2363	859-5492
Student Act. Comm.	Richard Miller	275-2786	--
Education	Fred O. Simons	275-2405	678-1796
Membership Develop.	Don Sullivan	352-5782	886-3595

SPECIAL COMMITTEES

By-Laws	Ernest E. Erickson	275-2310	365-5560
SOUTHCON	Bruce E. Mathews	275-2156	645-0549
Advertising Manager	William A. Kownacki	843-8484	365-5818
Historian	Russell E. Theisen	352-3402	671-4139
Member-at-Large	William C. Cram	--	647-4123
Member-at-Large	Herb Towle	--	--
SOUTHEASTCON	Russell E. Theisen	352-3877	671-4139

SOCIETY CHAPTER OFFICERS

AES	Chmn.	Dave Flinchbaugh	1-268-7252	859-4855
COMMUNIC	Chmn.	George Taack, Jr.	339-1600	321-0319
	V.Chmn.	Bill Strickland	351-9960	--
	Sec.	Walt Wolters	351-9901	--
COMPUTER	Chmn.	Clark M. Hay	339-1600	331-5523
	Mbr.V.Chmn.	William Joseph	352-4126	299-7399
ELECTRON DEV.	Chmn.	Ralph M. Mindock	352-2776	862-7764
	Mbrshp.V.Chmn.	Donald C. Malocha	275-2414	862-5693
	Prgms.V.Chmn.	Dick Zanowick	352-2914	645-0831

SOCIETY CHAPTER OFFICERS (CONT'D)

			<u>BUSINESS</u>	<u>HOME</u>
AP/MTT	Chmn.	Al Fowler	678-2141	365-5772
	V. Chmn.	Larry W. Pack	857-2591	671-4047
PE/IA	Chmn.	Geoffrey E. Dick	352-2796	678-0979
	V. Chmn.	Joseph R. Miller	646-8233	644-7049
Student Branch	Chmn.	Angela Palmer	--	859-5446
	V. Chmn.	Jim Freeman	--	295-5982
	Sec.	Andy Lee	--	282-2718
	Treas.	Lynda Monckton	--	327-2363
Student Comput.	Chmn.	Tom Toor	--	286-6359
	V. Chmn.	Edward Jansson	--	644-9008



DR. FRANK A. SAN FILIPPO, P.E.
FLORIDA INSTITUTE OF TECHNOLOGY

Associate Professor Melbourne, Florida 32901
Electrical and Computer Engineering (305) 723-3701 ext. 429

21st IEEE CONFERENCE ON DECISION AND CONTROL

Holiday Inn
International Drive
Orlando, Florida 32809

The 21st IEEE Conference on Decision and Control will be held Wednesday through Friday, December 8-10, 1982, at the Holiday Inn-International Drive, Orlando, Florida. The Conference Operating and Program Committees join in inviting you to participate in this annual meeting of the IEEE Control Systems Society.

The Conference includes forty-eight technical sessions covering a wide range of theoretical and applied topics. The theme of the Conference, *Controls and the Computer*, will be addressed from different perspectives in two plenary sessions. This year's speakers will be Robert E. Larson, President of Systems Control, Inc. and currently President of the IEEE, and Lawrence Markus, Director of the Center for Control Sciences and Dynamical Systems at the University of Minnesota. The luncheon program will feature Tibor Vámos of the Hungarian Academy of Sciences who will speak to the conference in his capacity as President of the International Federation of Automatic Control (IFAC).

Two full-day Tutorial Workshops, organized by the Control Systems Society Education Committee, will be offered on December 7, 1982. In keeping with the theme of the Conference, Workshop 1 will focus on *Computer Networks*, while Workshop 2 will be devoted to *Computer Aided Control System Design*.

For further information, please call
Dr. Frank A. SanFilippo, 723-3701 Ext 429

12-7-82

SCHEDULE.TXT
12/11/82

SOUTHEASTCON' 83
PLANNING SCHEDULE

DATE	TASK	COMMENTS
MARCH 5, 1980	BID SUBMITTED TO REGION 3 FOR 1983	APPROVED 4/1980
APRIL 1980	SHERATON HOTEL CONTRACT	SIGNED 4/1980
DEC. 5, 1980	BUDGET SUBMITTED TO REGION 3	APPROVED 12/1980
MAY 10, 1980	EXHIBITOR PLANNER CONTRACT DRAFTED	SIGNED 5/1980
FEB. 3, 1982	REQUEST OF 1ST ADVANCE FROM REG. 3	DELIVERED 2/1982
FEB. 6, 1982	STANDING COMMITTEE I	COMPLETED 2/6/82
MAR. 27, 1982	STANDING COMMITTEE II	COMPLETED 3/1982
APR. 1, 1982	INITIAL ADVANCE AVAILABLE TO COMM.	RECEIVED 4/1982
APR. 5, 1982	INITIAL CALL FOR PAPERS / EXHIBIT.	DELIVERED 4/1982
APR. 10, 1982	ADVANCE PRESS RELEASE FOR CALENDER	DISTRIBUTED 4/1982
MAY 8, 1982	STANDING COMMITTEE III	CANCELLED
JUN. 15, 1982	ADVANCE FROM ORLADO SECTION	RECEIVED 6/4/82
AUG. 20, 1982	REGIONAL CALL FOR PAPERS	COMPLETED 9/20/82
SEP. 4, 1982	STANDING COMMITTEE IV MEETING	COMPLETED 9/4/82
SEP. 5, 1982	REPORT TO REGION 3 AND ORLANDO SEC.	COMPLETED 9/5/82
SEP. 10, 1982	INITIAL EXHIBITOR CONTACTS	COMP. 11/15/82
OCT. 1, 1982	DEADLINE FOR PAPER ABSTRACTS	COMP. 10/ 82
OCT. 5, 1982	DEADLINE FOR SESSION OUTLINES	COMP. 10/ 82
OCT. 23, 1982	STANDING COMMITTEE MEETING V	COMP. 10/23/82
OCT. 23, 1982	HOTEL ACCOMODATIONS REQUIREMENTS	COMP. 11/15/82
NOV. 1, 1982	DEADLINE FOR PAPERS TO REVIEWERS	COMP. 11/18/82
NOV. 5, 1982	PUBLISHER REQUIREMENTS FIRMED	COMP. 11/15/82
NOV. 13, 1982	STANDING COMMITTEE MEETING VI	COMP. 11/13/82
NOV. 24, 1982	PAPER REVIEW COMPLETED	COMP. 12/05/82
DEC. 01, 1982	AUTHOR ACCEPTANCE NOTIFICATION MAILED	12/10/82
DEC. 11, 1982	STANDING COMMITTEE MEETING VII	
DEC. 15, 1982	EXHIBITOR BOOTH / MEETINGS FIRMED	
DEC. 22, 1982	STUDENT CONFERENCE REQUIREMENTS FIRMED	
DEC. 22, 1982	ADVANCE PROGRAM INPUTS TO PRINTER	

JAN. 9, 1983	ADVANCE PROGRAMS MAILED	
JAN. 15, 1983	STANDING COMMITTEE MEETING VIII	
JAN. 15, 1983	ADVANCE PUBLICITY REGIONAL AND NATIONAL	
JAN. 15, 1983	REGISTRATION BADGES/RIBBONS/ ORDERED	
JAN. 28, 1983	DEADLINE FOR PAPERS FOR PROCEEDINGS TO PRINTER	
JAN. 22, 1983	LOCAL PROMOTION AND PUBLICITY	
FEB. 12, 1983	STANDING COMMITTEE MEETING IX	
FEB. 12, 1983	SESSION ROOM ASSIGNMENT	
FEB. 12, 1983	EXHIBITOR BOOTH ASSIGNMENT	
FEB. 20, 1983	EXHIBITOR CONTRACT SIGNED	
FEB. 26, 1983	REVIEWED PAPERS TO PRINTERS	
FEB. 28, 1983	FINAL PROGRAM TO PRINTERS	
FEB. 28, 1983	AWARD LUNCHEON PROGRAM TO PRINTERS	
MAR. 10, 1983	NATIONAL PROMOTIONAL MAGAZINES AND PAPERS	
MAR. 12, 1983	ADVANCE REGISTRATION CLOSED	
MAR. 12, 1983	FINAL PROGRAMS MAILED	
MAR. 12, 1983	STANDING COMMITTEE MEETING X	
MAR. 12, 1983	FINAL ROOM ASSIGNMENTS MADE	
MAR. 26, 1983	STANDING COMMITTEE MEETING XI	
APR. 1, 1983	ADVANCE REGISTRATION CLOSED	

12700

SOUTHEASTCON'83 STANDING COMMITTEE
SCHEDULE CONTINUED

APR. 3, 1983 PROCEEDINGS DELIVERED FROM PRINTER TO FREEMAN
APR. 5, 1983 BADGES, RIBBONS, SIGNS AVAILABLE
APR. 9, 1983 PROCEEDINGS DELIVERED TO SITE
APR. 9, 1983 STANDING COMMITTEE MEETING XII
APR. 9, 1983 AWARD PLACKS AVAILABLE
APR. 9, 1983 SPECIAL TOURS AND ACTIVITIES FINALIZED
APR. 10, 1983 SPECIAL MEETING OF REGION 3 COMMITTEE
APR. 10, 1983 STUDENT RECEPTION AND PARTY
APR. 10, 1983 EXHIBITOR RECEPTION AND MEETINGS
APR. 10, 1983 REGISTRATION DESK SET UP
APR. 10, 1983 EXHIBITOR SPONSOR SIGNS AVAILABLE
APR. 10, 1983 RECEPTION SPONSOR SIGNS AVAILABLE
APR. 10, 1983 EXHIBITOR SUIT SIGNS AVAILABLE
APR. 10, 1983 COFFEE BREAK SPONSOR SIGNS AVAILABLE
APR. 10, 1983 MEMBERSHIP DISPLAY TABLE SET UP
APR. 10, 1983 CONFERENCE COMMITTEE SET UP COMPLETE

=====
APR. 11 THRU 13 SOUTHEASTCON'83 HELD AT SHERATON TWIN TOWERS
APR. 11 THRU 14 REGION 3 COMMITTEE MEETINGS
APR. 11 THRU 13 REGION 3 STUDENT CONFERENCE AT SHERATON HOTEL
=====

JUN. 4, 1983 POST MORTUM MEETING STANDING COMMITTEE XIII
JUN. 10, 1983 PRELIMINARY REPORT TO REGION 3 AND ORLANDO
SEP. 10, 1983 FINAL REPORT TO REGION 3 AND ORLANDO SECTION

12-7-82

3

IEEE COMMUNICATIONS CHAPTER

December, 1982

The November meeting was held on November 4, 1982. Mr. William Shinnick of Western Electric, Norcross, GA. gave a talk on manufacturing and applications of fiber optics. The meeting was attended by twenty-six people.

The next meeting will be a joint meeting of Communications - MTT - Electron Devices on January 19, 1983. There will be two people from the Bell System to discuss the divestiture of AT&T and the effect on the individual and the Bell Companies. Those interested can attend dinner at the Harley Hotel prior to the meeting. Reservations will be made through Stromberg-Carlson for both the dinner and meeting. The S-C number is 339-1600, Extension 138 - Wanda Sarles, Extension 142 - George Taack, or Extension 143 - Ed Ellis.

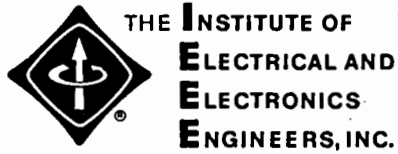
COMPUTER SOCIETY

7 DEC 82

NOVEMBER 23 MEETING WAS A MIXED SUCCESS.

PLANNED PANEL DISCUSSION FORMAT FELL THROUGH DUE TO LACK OF SPEAKERS. JIM BURKS FROM INTER DID A SUPER JOB OF DISCUSSING THE LATEST OFFERINGS FROM HIS COMPANY. THERE WERE 29 PRESENT BUT THIS WAS LESS THAN THE GUARANTEE SO WE HAD TO PAY FOR SOME UNCONSUMED BUT RESERVED MEALS.

JANUARY 18 MEETING IS PLANNED TO BE DISTINGUISHED VISITOR DR. T. R. N. RAO OF UNIVERSITY OF SOUTHWESTERN LOUISIANA. HE WILL SPEAK ON MEMORY PARALLEL ERROR DETECTION AND CORRECTION. SINGLE ERROR CORRECTING - DOUBLE ERROR ^{DETECTING} ~~CORRECTING~~ (SEC - DED) CODES HAVE BEEN SUCCESSFULLY USED IN COMPUTER MEMORIES FOR RELIABILITY. IN VLSI STORAGE ARRAYS BIT ERROR CORRECTION AS WELL AS BYTE ERROR DETECTION/BYTE ERROR CORRECTION BECOME VERY IMPORTANT. DR RAO WILL DISCUSS GENERATION OF CYCLIC CODES WITH HIGH INFORMATION RATE WHICH ARE EASY TO IMPLEMENT AND PROVIDE FOR SUCH CONDITIONS AS 1) SINGLE BYTE ERROR CORRECTION AND 2) SINGLE ERROR CORRECTION, DOUBLE ERROR DETECTION, AND BYTE ERROR DETECTION. DATE OF THE MEETING IS SUBJECT TO CHANGE SINCE DR RAO WILL ALSO BE SPEAKING TO THE TAMPA SECTION AND AT USF ON THIS PROJ. FIRM DATE SHOULD BE AVAILABLE BY DEC. 20 LATEST DATE FOR ORLANDO SECTION NOTES



PLEASE REPLY TO:

1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

December 22, 1982

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, January 4, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

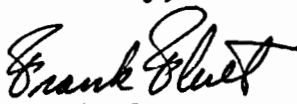
***** IMPORTANT *****

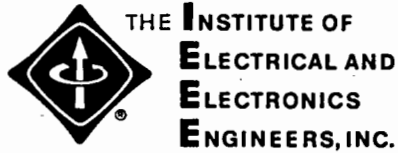
CHAPTER CHAIRMEN: PLEASE HAVE ALL MEETING REPORT FORMS FOR CALENDAR YEAR 1982 COMPLETED AND TO ME ON OR BEFORE THE NEXT EXECUTIVE COMMITTEE MEETING (JANUARY 4, 1983). THE SECTION REBATE OF \$20 PER MEETING, FROM IEEE HEADQUARTERS, IS BASED ON THIS REPORT.

Please revise your list of Committee members names and addresses and the Exec. Committee list in the SECTION NOTES as follows:

1. Change Russ Theisen's Business phone to 352-2346.
2. Change Vernon Powers' address to: 3162 W. Vina del Mar
St. Petersburg, FL 33706

Sincerely,


Frank Fluet
Secretary
IEEE Orlando Section



PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: December 7, 1982

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: Frank Fluet
Clark Hay
Rick Hardin
Jack Hartley
Bill Cram
Carl F. Schunemann (for Al Fowler)
Dick Zanowick (for Mickey Mindock)
George Taack
Gerry White
George McClure
Ben Patz
Dave Flinchbaugh
Russell E. Theisen
Ernest E. Erickson
Geoffrey E. Dick
John Gilbert
Mannie Connell
Joseph L. Massett

Minutes:

1. Meeting was called to order at 5:50 PM by Chairman Mannie Connell.
2. Russ Theisen moved that minutes be accepted. Seconded by Bill Cram then the motion carried.
3. No Treasurer's report.
4. Publications: Gerry White reported that the SECTION NOTES are late from the printers but should be available tomorrow for distribution.
5. BYLAWS Committee Report: Ernie Erickson.
Result of last meeting was to reorganize the BYLAWS along the lines of the National BYLAWS. The reorganization of the various sections should clarify the BYLAWS by grouping related topics in the same section.
6. SOUTHCON '84: Ben Patz requested volunteers to work on committees when SOUTHCON returns to Orlando in 1984. Russ Theisen, Clark Hay, George McClure, Bill Cram and John Gilbert volunteered.
7. SOUTHEASTCON: Russ Theisen.
Announced next meeting of committee at 9:00 AM at Sheraton Twin Towers. Papers have been reviewed and accepted. Authors have been notified.

8. PACE: John Gilbert announced that the cups with the IEEE logo are made and the cost will be approximately \$3.00 each. The manufacturer however has mistakenly made 96 more than the 144 ordered and has offered them to us at approximately \$1.00 each plus freight. Bill Cram moved that we approve funds to accept the offer. Clark Hay seconded. Motion carried.
9. Mannie Connell announced that George McClure is the Orlando Section's nominee to the Florida Council of the IEEE.
10. Communications: George Taack.
The November meeting was held on November 4, 1982. Mr. William Shinnick of Western Electric, Norcross, GA gave a talk on manufacturing and applications of fiber optics. The meeting was attended by twenty-six people.

The next meeting will be a joint meeting of Communications - MTT - Electron Devices on January 19, 1983. There will be two people from the Bell System to discuss the divestiture of AT&T and the effect on the individual and the Bell Companies. Those interested can attend dinner at the Harley Hotel prior to the meeting. Reservations will be made through Stromberg-Carlson for both the dinner and the meeting. The S-C number is 339-1600, Extension 138 - Wanda Sarles, Extension 142 - George Taack, or Extension 143 - Ed Ellis.

11. Computer: Clark Hay introduced two colleagues who are interested in IEEE Executive Committee activities: Rick Hardin and Jack Hartley.

The November 23rd meeting was a mixed success. The planned panel discussion format fell through due to lack of speakers. Jim Burke from Intel did a super job of discussing the latest offerings from his company. There were 29 present but this was less than the guarantee so we had to pay for some unconsumed but reserved meals.

A January 18 meeting is planned to have distinguished visitor Dr. T. R. N. Rao of University of Southwestern Louisiana. He will speak on Memory Package Error Detection and Correction. Single Error Correction - Double Error Detection (SEC-DED) codes have been successfully used in computer memories for reliability. In VLSI storage arrays bit error correction as well as byte error detection/byte error correction become very important. Dr. Rao will discuss generation of cyclic codes with high information rates which are easy to implement and provide for such conditions as 1) single byte error correction and 2) single error correction, double error detection, and byte error detection. Date of the meeting is subject to change since Dr. Rao will also be speaking to the Tampa Section and at USF on this trip. Firm date should be available by December 20 cutoff date for Orlando SECTION NOTES.

12. Electron Devices: Rick Zanowich (for Mickey Mindock). Discussed the joint meeting with MTT Society that took place November 18. (See 13. below).
13. MTT: Carl Schunemann (for Al Fowler). Continued discussion of details of November 18 meeting where speaker was Tom Sohquist of SAWTEC. Twenty-two attendees were present. At the Wednesday March 16, 1983 meeting, Bruce Hudson of SCIENTIFIC ATLANTA will be speaking on Millimeter Wave Antenna Testing. Location will be announced after arrangements are confirmed.

13. PE/IA: Geof Dick: Reported on the last meeting which had 21 attendees and was addressed by Dr. Stephen Bardwell, Editor of "FUSION" magazine.
14. Old Business: Russ Theisin moved that we again table the motion that was tabled last month pending a budget and program outline from Fred Simons concerning the advance of \$1,000 as seed money to help sponsor the Technical Seminar on Modeling and Simulation. Seconded by George McClure. Motion to table carried.
15. New Business: John Gilbert announced the seminar sponsored by IEEE PACE to be held at Hyatt Orlando, 8AM to 4:30 PM, January 14, 1983 entitled: "How is U. S. Technology Policy Developed and Promulgated and How Can Professional Technical Societies Such As IEEE Influence It Most Effectively?" All are welcome.
16. New Business: Dave Flinchbaugh reported on a presentation he made to the Society of Women Engineers (SWE). He spoke about Robotics and Automation Technology.
17. Awards Committee: Joe Massett.
The nominations deadline is January 15, 1983. The awards are:
 - a. Orlando Section Engineer of the Year
 - b. Outstanding Graduate Engineering Student at UCF
 - c. Outstanding Engineering Student at UCF
 - d. Outstanding Chapter Chairman of the Year
 - e. Region III Outstanding Engineer
18. Ben Patz moved for adjournment, seconded by John Gilbert. Motion carried.
19. Meeting adjourned at 7:10 PM. Next meeting will be Tuesday, January 4, 1983, at the same location.

Brian Ashford
3 Drennen Road
Orlando, FL 32806

Mannie R. Connell
5136 Nadine Street
Orlando, FL 32807
351-1210/273-8588 B/H

William C. Cram
971 Palmer Ave.
Winter Park, FL 32789
647-4123 H

Geoffrey E. Dick
1014 Carvell Dr.
Winter Park, FL 32792
352-2796/678-0979 B/H

Ed Ellis
902 Red Bird Lane
Altamonte Springs, FL 32701
339-1600/834-3319 B/H

Dr. E. E. Erickson
1036 Pebble Beach Cir.
Winter Springs, FL 32708
275-2310/365-5560 B/H

Dr. David E. Flinchbaugh
4855 Big Oaks Lane
Orlando, FL 32806
1-268-7252/859-4855 B/H

Frank Fluet
Westinghouse Electric Corp.
1200 West Colonial Dr.
Orlando, FL 32804
843-7030/339-8905 B/H

Al Fowler
901 Arabian Ave.
Winter Springs, FL 32707
678-2141/365-5772 B/H

David George
160 Tangerine Place
Maitland, FL 32751
859-5120/644-2596 B/H

Mike Germain
P. O. Box 632
Winter Garden, FL 32787
656-1515/469-2798 B/H

John Gilbert
2205 Miscindy Place
Orlando, FL 32806
365-2363/859-5492 B/H

Dr. Richard C. Harden
5512 Chenault Avenue
Orlando, FL 32809
855-0881/855-5775 B/H

Michael Harris
107 Sedgefield Circle
Winter Park, FL 32792

Clark M. Hay
P. O. Box 1267
Longwood, FL 32750
339-1600/331-5523 B/H

William Joseph
3512 Fairway Lane
Orlando, FL 32804
352-4126/299-7399 B/H

Dr. Deen D. Khandelwal
8610 Vesta Terrace
Orlando, FL 32817
352-2583/277-5959 B/H

William Kownacki
950 Sharon Court
Oviedo, FL 32765
843-8484/365-5818 B/H

Donald C. Malocha
409 Bay Tree Lane
Longwood, FL 32750
275-2414/862-5693 B/H

Robert J. Martin
4510 Fontana Street
Orlando, FL 32807
275-2324/273-3942 B/H

Joseph L. Massett
509 Puerta Court
Altamonte Springs, FL 32701
352-3858/834-3448 B/H

Dr. Bruce E. Mathews
UCF-College of Engrg.
P. O. Box 25000
Orlando, FL 32816
275-2156/645-0549 B/H

George F. McClure
1730 Shiloh Lane
Winter Park, FL 32789
352-3782/647-5092 B/H

Donald R. Mendorf
819 Haulover Drive
Altamonte Springs, FL 32701
628-9884/869-7435 B/H

Joseph R. Miller
Florida Power Corp.
P. O. Box 417
Winter Park, FL 32790
646-8233/644-7049 B/H

Richard Miller
P. O. Box 25000
Orlando, FL 32816
Attn: E.E. Dept.
275-2786/892-7337 B/H

Ralph M. Mindock
262 E. Hornbeam Drive
Longwood, FL 32750
352-2776/862-7764 B/H

Larry W. Pack
1132 Fairway Dr.
Winter Park, FL 32792
857-2591/671-4047 B/H

Dr. Ben W. Patz
695 Gatlin Avenue
Orlando, FL 32806
275-2816/855-3685 B/H

Vernon Powers
Honeywell, Inc. MS-275-1
13350 U.S. Hwy 19
St. Petersburg, FL 33733

Michael Robitaille
448 Kuzmany Rd.
Maitland, FL 32751
275-2786/671-6088 B/H

Dr. Fred O. Simons, Jr.
1688 Cypress Point Lane
Winter Park, FL 32792
275-2405/678-1796 B/H

3162 W. Vivia del Mar
St. Petersburg, FL 33706

Bill Strickland
P. O. Box 2949
Sand Lake Room 207
Orlando, FL 32802
351-9960/351-9185 B/H

George B. Taack, Jr.
4 Robinwood Dr.
Longwood, FL 32750
339-1600/321-0319 B/H

Russell E. Theisen
2667 Fitzhugh Rd.
Winter Park, FL 32792
352-3402/671-4139 B/H

Tom Toor
10316 Belgrove Place
Orlando, FL 32817
275-2786/282-6359 B/H

Dr. Herbert C. Towle
206 Ranch Road
Maitland, FL 32751

Jim Walter
433 Wilford Ave.
Longwood, FL 32750

Dr. Gerry C. White
701 Golfside Villas
Winter Park, FL 32792
646-4491/678-3621 B/H

Ron Wojtasinski
375 Dorset Drive
Cocoa Beach, FL 32931

Walt Wolters
P. O. Box 2949
Sand Lake Room 207
Orlando, FL 32802
351-9901 B

Dr. Richard Zanowick
511 Temple Tr.
Maitland FL 32751
352-2914/645-0831 B/H



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

SERVICE CENTER

445 HOES LANE, PISCATAWAY, NEW JERSEY 08854 (201) 981-0060 U.S.A.

SECTION: IEEE ORLANDO SECTION

JANUARY, 1983

NAME: FRANK A FLUET, SECRETARY

We are updating our records for the March 1983 Organization Roster Part III. Enclosed is a copy from the current Organization Roster of the Section Officers, Committee Chairmen and Chapter Officers listed at present.

A special effort is being made to update the Roster. If you can provide us with any corrections or changes soon, it would be very much appreciated. Any changes or updates arriving after the printing of the March 1983 Organization Roster will be recorded in the October Supplement of the Organization Roster. Please include member number whenever possible.

Cordially,

A handwritten signature in cursive script that reads "Gloria O. Kearns".

Gloria O. Kearns
Supervisor
Field Services

OFFICER CONFIRMATION
1982/83 REBATE

In an effort to maintain the most UP-TO-DATE OFFICER RECORDS,
please complete this form below and return it to Field Services
with your completed Meeting Report, due by 2/1/83.

SECTION: _____ GEOCODE: _____

PREPARED BY: _____ DATE: _____

(Please Type or Print)

TERM ENDS: _____
(month) (year)

SECTION OFFICERS

NAME

7 DIGIT
IEEE MEMBERSHIP #

CHAIRMAN

VICE CHAIRMAN

SECRETARY

TREASURER

MEMBERSHIP DEVELOPMENT

PROFESSIONAL ACTIVITIES

STUDENT ACTIVITIES

EDUCATIONAL ACTIVITIES

NEWSLETTER EDITOR

CHAPTER CHAIRMEN:

(Attach Additional Page if Necessary.)

_____ CHAPTER

_____ CHAPTER

_____ CHAPTER

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1-4-83

TREASURER REPORT 12/7/82

(B1)

BALANCE 11/2/82

CHECKING FUND	1,813.56
DREYFUS FUND	<u>14,122.96</u>
	\$15,936.52

INCOME

COMPUTER CONSOLES	
SUITE LISTING	\$100.00

EXPENSES

^{PATZ}	
BEN PATZ POSTAGE	2.20
SEMINOLE HOUSE PRINTERS	428.40
ALBERT K. FOWLER MEETING	<u>27.33</u>
	\$457.93

BALANCE 12/7/82

CHECKING FUND	1,455.63
DREYFUS FUND	<u>14,122.96</u>
	\$15,578.59

Compress

1-4-83

(B2)

TREASURER REPORT 1/4/83

BALANCE 12/7/82

CHECKING FUND	1,455.63
DREYFUS FUND	<u>14,122.96</u>
	\$ 15,578.59

INCOME NONE

EXPENSES

CHECKS	9.72
BILL STRICKLAND & SPEAKER DINNERS	35.56
ALBERT FOWLER MTT POSTAGE	24.15
CRESTLINE G. 144 CUPS → CUPS	370.21
SEMINOLE HOUSE PRINTER DEC NOTES	428.40
POSTMASTER 1983 MAIL PERMIT	40.00
G.M. BRAUN 10 DINNERS	86.50
D. MENDORF POSTAGE	10.00
CRESTLINE 95 CUPS-6	<u>92.17</u>
	\$1,096.71

BALANCE 01/01/83

CHECKING FUND	358.92
DREYFUS FUND	<u>14,122.96</u>
	\$14,481.88

↑
Compress

1-4-83

CI

NEWS RELEASE

IEEE REGION 3 SOUTHEASTCON '83

APRIL 11 THRU 13, 1983

SOUTHEASTCON'83 will be held in the Sheraton Twin Towers Convention Complex in Orlando, Florida . Orlando is hailed as the Family Entertainment Capitol of the World . Located near Walt Disney World, Sea World, Circus World, Cypress Gardens, Daytona Beach, and Kennedy Space Center , where you may view a space launch from the Orlando conference hotel.

The Conference Theme " TECHNOLOGY CHALLENGES IN THE NEW SOUTH" features:

- o 30 technical sessions
- o 180 plus technical papers
- o 50 plus exhibitors
- o Tours and local attractions
- o Professional sessions
- o Regional Awards
- o Student Conference Activities

Dr. Ben Patz of the University of Central Florida, the Student Conference organizer, indicates that this will be the biggest and best Region 3 Student Conference yet. PHONE (305) 275-2816 for information pertaining to the Student Conference.

For information on the Exhibitor requirements contact George McClure , Martin Marietta Aerospace PHONE (305) 352-3782 .

For information on SOUTHEASTCON'83 contact Russell E. Theisen, General Chairman , Martin Marietta , 2667 Fitzhugh Road, Winter Park, FL 32792 . PHONE (305) 352-2346.

Come and help make this the biggest IEEE REGION 3 CONFERENCE in history.

Russell E. Theisen
General Chairman
SOUTHEASTCON'83

Program.doc
12/27/82

MON TUE WED
April 11 - 12 - 13 , 1983

1-4-83

(C2)

TECHNICAL PROGRAM

	SESSION 1	SESSION 2	SESSION 3	SESSION 4	SESSION 5
A.M.	Electronic Testing Simulation and Analysis	Digital Systems	Robotics & Automation	Age Discrimination and you	Optics I
MON 11					
P.M.	Magnetic & Electric Field Devices	Computer Software	Image Processing	Electrical Engineering History Toward the IEEE Centennial	Optics II
A.M.	Electron Devices	Computer Networks	Spectral & FFT Techniques of Signal Processing	Kalman Filter & Systems Applications	Biomedical Applications
TUES 12					
P.M.	Filters	Algorithms & Digital Filters	Pattern Recognition	Unique Control Systems Applications	Planning & Productivity
A.M.	Instrumentation	Solar & Wind Energy	Fields & Transmission Lines	Unique Signal Processing & Controls Systems Applications	Education
WED 13					
P.M.	Measurement & Testing	Power Systems & Energy Management	Communications	Modern Control Theory & Applications	Special Applications

SOUTHEASTCON 83 TECHNICAL PROGRAM

1-4-83

(D)

IEEE JOINT MEETING

COMMUNICATIONS - MTT - ELECTRON DEVICES
DINNER MEETING

DATE: WEDNESDAY, JANUARY 19, 1983

LOCATION: DINNER* -- HARLEY HOTEL IN SOUTH ROOM
MEETING -- SOUTHERN BELL OFFICES AT
500 NO. ORANGE AVENUE

TIMES: DINNER* -- 6:00 P.M.
MEETING -- 7:30 P.M.

TOPIC: DIVESTITURE OF AT&T

MR. BILL AMIDON AND MR. ED OLSEN OF SOUTHERN BELL WILL TEAM UP TO DISCUSS THE EFFECT OF THE DIVESTITURE ON THE INDIVIDUAL SUBSCRIBER AND THE BELL COMPANIES. BOTH MEN ARE DISTRICT MANAGERS.

ALL INTERESTED SHOULD CALL 339-1600, X132 FOR RESERVATIONS FOR THE DINNER* AND/OR MEETING.

* DINNER IS OPTIONAL.

SEE THE ATTACHED SHEET FOR DIRECTIONS TO THE BELL OFFICE AND WHERE TO PARK.

COMPUTER SOCIETY

1/4/83

(E)

PLANNED JANUARY MEETING WITH DR RAO
HAS NOT YET FIRMED UP. IF IT DOES SO SOON
WE WILL HAVE A TELEPHONE CALL SESSION TO PASS THE
WORD ON MEETING DETAILS. OTHERWISE, WE PLAN TO TRY
TO SCHEDULE THIS MEETING FOR MARCH.

Clark Hay.

1-4-83

MTT SOCIETY
Orlando Chapter

(E)

Tentative Meeting Schedule for 1983

January - Joint meeting with Communications Society
Re: Reorganization of AT&T

February 24 - Bob McMillan of Georgia Institute of Technology will speak on "A Full Waveguide Band MM Synthesizer in 40-60 GHZ Band and on Measurement of Turbulence effects on MM Wave Propagation. Meeting will be held at Hewlett Packard Facility on Lake Eleanor Drive at 5:15 P.M.

March 16 - Bruce Hudson of Scientific Atlanta will talk on "Hi Sensitivity Measurements of Millimeter Wave Antennas". Meeting will be held at Court of Flags at 5:15 P.M. Refreshments will be provided courtesy of Scientific Atlanta.

April - Nothing scheduled.

May 26 - Robert K. Crane, Research Professor of Engineering at Dartmouth College, will speak on "Propagation Phenomena Affecting Millimeter Wave Communications Systems". Meeting will be at 5:15 P.M., with location to be determined later.

Carl Schunemann,
Program Manager
352-4366

Respond to G.M. by 2-4-83 ✓



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

ORLANDO SECTION CORRESPONDENCE

Mr. Vernon B. Powers
IEEE Region 3 Awards Committee
3162 W. Vina del Mar
St. Petersburg, FL 33706

PLEASE REPLY TO:

Dear Mr. Powers:

I am pleased to place in nomination for the most active section in Region 3 the Orlando Section.

Active in services to its members, the Orlando section has also been increasing its membership at a rate in excess of the growth goals established by Region 3, itself one of the fastest growing Regions within the Institute. The Orlando Section at last report had 856 members, up some 30 percent in three years.

The Orlando Section has been active in sponsoring conferences and tutorials to benefit not only its membership but that of the region, in addition to conducting two international conferences and assisting in the production of a third. Some of these activities include these conferences co-sponsored by the Orlando Section:

- SOUTHEASTCON '74
- SOUTHEASTCON '83

The 27th Annual International IEEE Vehicular Technology Conference, March 1977

AUTOTESTCON '81 (International Conference on System Support and Maintainability)

- First Mini-Micro Symposium, 1977
- Second Mini-Micro Symposium, 1978
- Florida ECLECTIC and Mini-Micro Conference, March 1979

Conferences conducted with assistance from the Orlando Section include the 1979 International Microwave Symposium and Exposition and SOUTHCON '82.

The Orlando Section has also been active in offering and supporting tutorials and short courses, including the following:

- Tutorial on Hand-Held Calculators, 1977
 - Tutorial on Personal Calculators, 1978
 - Tutorial on Signal Processing, 1979
 - Tutorial on Signal Processing, 1980
 - Microcomputer Systems Design, 1980
 - Computer Tutorials East, 1981
 - Signal Processing Tutorial, 1982
 - Computer Tutorials East, 1982
- IEEE Florida Computer Tutorials, 1980*

The Orlando Section supports a student branch at the University of Central Florida as well as a student chapter of the Computer Society there. It has run a student awards program with both certificates and cash awards to the winners. It recognizes two members of the section during the year, one as Engineer-of-the-Year and the other for Outstanding Service to the Section.

Mr. Vernon Powers
Page 2

6

- 66%

65
- 13%
56

478 836%

83

6%

per 11-30-82

The Orlando section now comprises 518 student members, 88 senior members, and 2 fellows. It has increased its number of senior members by during the past years, and has sponsored two fellows in their election by the Institute, in 1974 and 1981.

The section was instrumental in the founding of the Florida Council of IEEE, in 1976, through the efforts of two of its past section chairmen who had also served in Area 4 offices. It participated in the formation of the SOUTHCON Conference and Exposition jointly with the Atlanta section before recommending that Florida sponsorship be vested in the Florida Council.

There are now seven society chapters within the Orlando section, including AES, Computer, Communications, Power Engineering & Industrial Applications, Microwave Theory and Techniques, Electron Devices, and Vehicular Technology. A chapter of Electromagnetic Compatibility is in the process of being formed, under the guidance of an Orlando member who serves on the board of governors of the Electromagnetic Compatibility Society.

Members of the Orlando section are represented on the administrative committees or boards of directors/governors of several IEEE societies, including Computer (Theisen), Electromagnetic Compatibility (Anderson), Professional Communication (McClure), and Vehicular Technology (McClure), as well as the AUTOTESTCON Conference Board (McClure), and the IEEE Energy Committee (McClure). The section has provided three former chairmen of the Florida Council (Pullara, Walter, Flinchbaugh) as well as its present vice chairman. Its members have also served Region 3, as awards chairman (Theisen) and PAC chairman (Pullara).

To the extent that the worth of a section is measured by its level of service to its local members, its state council, region, and the Institute as a whole, the Orlando Section deserves consideration as Region 3's most active section. Should you require further information about the section's activities, I shall be pleased to provide it.

~~1980 632 +~~
~~1981~~
~~1982 865 + 88~~

Yours truly,

Mannie R. Connell
Chairman

Life Seniors
33
Life fellows:
10 → 9

NOTE:

Check the dates, fill in the underlined blanks, correct any omissions or errors, and return to George McClure* for preparation of the final letter.

*1730 Shiloh Lane
Winter Park, FL 32789
352-3782 (ofc.)

647-5092
Overall IEEE
Total increase in Membership = 6.3%

life affiliates 2

PM 3

Total = 865 + 56 students
= up 0.60%

Student 56

Associate 39

- 13%
from last yrs.

1-4-83

REQUEST FOR RE-IMBURSEMENT

MAIL EXPENSES: \$ 20.00
6.80

TOT

\$ 26.80

G. A. Sheet

SELY ORLANDO SECTION IEE

copy



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.
345 EAST 47th STREET, NEW YORK, NEW YORK 10017
Att: Field Services Dept.

MEETING CATEGORY CO

- 1 - Technical
- 2 - Professional
- 3 - Social

IEEE SECTION MEETING ACTIVITY REPORT FOR CALENDAR YEAR 19_____

Please Type or Print All Information

1. Meeting Date _____

*Meeting Admission Charged: **(Check one)**
 Yes No
 Meeting Category: _____
 Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**** Speaker's Address** _____
 (Complete)

2. Meeting Date _____

*Meeting Admission Charged: **(Check one)**
 Yes No
 Meeting Category: _____
 Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**** Speaker's Address** _____
 (Complete)

3. Meeting Date _____

*Meeting Admission Charged: **(Check one)**
 Yes No
 Meeting Category: _____
 Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**** Speaker's Address** _____
 (Complete)

*Check "Yes" box *only* when there was a charge to attend the *meeting*; optional dinner expenses preceding a meeting not considered an admission charge.

** Complete only if recommended for Speakers Directory

4. Meeting Date _____ *Meeting Admission Charged: (Check one) Yes No
Meeting Category: _____
Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**Speaker's Address _____
(Complete) _____

5. Meeting Date _____ *Meeting Admission Charged: (Check one) Yes No
Meeting Category: _____
Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**Speaker's Address _____
(Complete) _____

6. Meeting Date _____ *Meeting Admission Charged: (Check one) Yes No
Meeting Category: _____
Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**Speaker's Address _____
(Complete) _____

7. Meeting Date _____ *Meeting Admission Charged: (Check one) Yes No
Meeting Category: _____
Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: _____ Recommended for Speakers Directory

Speaker: _____

**Speaker's Address _____
(Complete) _____

*Check "Yes" box *only* when there was a charge to attend the *meeting*;
optional dinner expenses preceding a meeting not considered an admission charge. **Complete only if recommended for Speakers Directory.

**OFFICER CONFIRMATION
1982/83 REBATE**

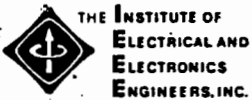
In an effort to maintain the most UP-TO-DATE OFFICER RECORDS,
please complete this form below and return it to Field Services
with your completed Meeting Report, due by 2/1/83.

SECTION: ORLANDO GEOCODE: 03551

PREPARED BY: FRANK FLUET DATE: 1-22-83

(Please Type or Print) TERM ENDS: JUNE 1983
(month) (year)

SECTION OFFICERS	NAME	7 DIGIT IBBE MEMBERSHIP #
CHAIRMAN	<u>MANNIE R. CONNELL</u>	<u>7746688</u> -
VICE CHAIRMAN	<u>T. E. ELLIS</u>	<u>0230276</u> -
SECRETARY	<u>FRANK FLUET</u>	<u>2632081</u> ✓
TREASURER	<u>DONALD MENDORF</u>	<u>5319306</u> ✓
MEMBERSHIP DEVELOPMENT	<u>DONALD SULLIVAN</u>	<u>7525595</u>
PROFESSIONAL ACTIVITIES	<u>JOHN D. GILBERT</u>	<u>1323229</u> -
STUDENT ACTIVITIES	<u>RICHARD MILLER</u>	<u>7158504</u> -
EDUCATIONAL ACTIVITIES	<u>FRED O. SIMONS</u>	<u>1243104</u>
NEWSLETTER EDITOR	<u>GERRY WHITE</u>	<u>1219351</u>
CHAPTER CHAIRMEN: (Attach Additional Page if Necessary.)		
<u>AES</u> CHAPTER	<u>DAVE FLINCHBAUGH</u>	<u>5601307</u>
<u>COMM</u> CHAPTER	<u>GEORGE TAACK JR.</u>	<u>4085379</u> -
<u>COMP</u> CHAPTER	<u>CLARK M. HAY</u>	<u>3544632</u> -
<u>ED</u> CHAPTER	<u>RALPH M. MINDOCK</u>	<u>5858709</u> ✓
<u>AP/MTT</u> CHAPTER	<u>AL FOWLER</u>	<u>0562074</u> -
<u>PE/IA</u> CHAPTER	<u>GEOFFREY DICK</u>	<u>5565742</u> -
CHAPTER		
CHAPTER		
CHAPTER		
CHAPTER		



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

445 HOES LANE, PISCATAWAY, NEW JERSEY 08854 (201) 981-0060 U.S.A.

Att: Field Services Dept.

MEETING CATEGORY CODES

- 1 - Technical
- 2 - Professional
- 3 - Social

IEEE SECTION MEETING ACTIVITY REPORT FOR CALENDAR YEAR 19 82

Please Type or Print All Information

ORLANDO

1. Meeting Date 1-13-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 1 Guests: 7

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15

Subject: PHOTOVOLTAIC TEST HOUSE TOUR

Speaker: GOBIND ATMARAN

2. Meeting Date 1-21-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 12 Guests: 7

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15 / MTT-17 / APP-03

Subject: GaAs DOUBLE DRIFT IMPATT DIODES AT EHF FREQUENCIES

Speaker: DANIEL MASSE

3. Meeting Date 1-27-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 9 Guests: 1

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) COM-19

Subject: NASA COMMUNICATIONS AT KENNEDY SPACE CENTER

Speaker: ARTHUR GREENE

*Check "Yes" box *only* when there was a charge to attend the meeting; optional dinner expenses preceding a meeting not considered an admission charge.

4. Meeting Date 1-28-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3 8
 Attendance: Members: 6 Guests: 18

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) AES-10

Subject: ROBOTICS & AUTOMATION IN INDUSTRY, AEROSPACE & HYDROSPACE
 Speaker: DR. DAVID F. FLINCHBAUGH PE.

5. Meeting Date 2-11-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3 3
 Attendance: Members: 4 Guests: 3

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15

Subject: PLASMA PROCESSING & EQUIPMENT
 Speaker: JAMES HUEY

6. Meeting Date 2-13-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3 4 6
 Attendance: Members: 45 Guests: 46

Sponsor Section Council (Identify) ORLANDO
 Subsection (Identify) _____
 Chapter (Identify) _____

Subject: THIS IS YOUR DAY
 Speaker: WINSTON PENDLETON

7. Meeting Date 2-18-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3 5
 Attendance: Members: 4 Guests: 5

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) PE-31/IA-34 POWER INDUSTRY

Subject: MEASUREMENT APPLICATIONS IN THE A Recommended for Speakers Directory
 Speaker: ED BROWNING & MAX DAVIS

*Check "Yes" box only when there was a charge to attend the meeting;
 optional dinner expenses preceding a meeting not considered an admission charge.



- 1 - Technical
- 2 - Professional
- 3 - Social

445 HOES LANE, PISCATAWAY, NEW JERSEY 08854 (201) 981-0060 U.S.A.

Att: Field Services Dept.

IEEE SECTION MEETING ACTIVITY REPORT FOR CALENDAR YEAR 19 82

Please Type or Print All Information

ORLANDO

1. Meeting Date 3-17-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 5 Guests: 1

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) COM-19

Subject: MARTIN MARIETTA "DATA SYSTEMS & COMMUNICATIONS SATELLITE" TOUR
 Speaker: HERBERT L. RHODES

2. Meeting Date 3-25-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 4 Guests: 5

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) AP-03 / MTT-17

Subject: CURRENT DEVELOPMENTS IN SATELLITE COMMUNICATIONS
 Speaker: GEORGE BELL

3. Meeting Date 4-1-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 4 Guests: 18

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15

Subject: FIBER OPTIC SENSORS & INTEGRATED OPTICAL COMPONENTS
 Speaker: DR. RONALD L. PHELPS

*Check "Yes" box only when there was a charge to attend the meeting;
 optional dinner expenses preceding a meeting not considered an admission charge.

4. Meeting Date 4-12-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 12 Guests: 3

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) AP-03/MTT-17

Subject: COMPACT RANGE & RADAR CROSS SECTION MEASUREMENT
 Speaker: DR. DOREN W. HESS

5. Meeting Date 4-15-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 6 Guests: 5

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) PE-31/IA-34

Subject: LOAD MANAGEMENT
 Speaker: PAUL LEWIS & DON KIPFINGER

6. Meeting Date 5-5-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 5 Guests: 2

Sponsor Section Council (Identify) ORLANDO
 Subsection (Identify) _____
 Chapter (Identify) ~~MTT-17/MTT-13~~

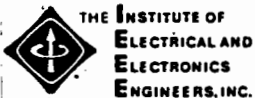
Subject: OVERVIEW OF PATENT SYSTEM IN THE U.S.
 Speaker: DON WIGGINS

7. Meeting Date 5-12-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 10 Guests: 40

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15

Subject: OVERVIEW OF MARTIN MARIETTA BUSINESS *Recommended for Speakers Directory
 Speaker: MICHAEL OHANIAN

*Check "Yes" box only when there was a charge to attend the meeting;
 optional dinner expenses preceding a meeting not considered an admission charge



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445 HOES LANE, PISCATAWAY, NEW JERSEY 08854 (201) 981-0060 U.S.A.

Att: Field Services Dept.

MEETING CATEGORY CODE

- 1 - Technical
- 2 - Professional
- 3 - Social

IEEE SECTION MEETING ACTIVITY REPORT FOR CALENDAR YEAR 19 82

Please Type or Print All Information

ORLANDO

1. Meeting Date 5-20-82 *Meeting Admission Charged: Yes No
Meeting Category: 1 2 3
Attendance: Members: 6 Guests: 6

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) PE-31/EA-34
Subject: THE FIRST SOLAR POND IN AMERICA
Speaker: LARRY SLOAN P.E.

2. Meeting Date 5-22-82 *Meeting Admission Charged: Yes No
Meeting Category: 1 2 3
Attendance: Members: 14 Guests: 16

Sponsor Section Council (Identify) ORLANDO
 Subsection (Identify) _____
 Chapter (Identify) _____
Subject: THE ORLANDO CIVIC CENTER CONSTRUCTION PROJECT
Speaker: BILL CHEVAT

3. Meeting Date 6-24-82 *Meeting Admission Charged: Yes No
Meeting Category: 1 2 3
Attendance: Members: 6 Guests: 2

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) AP-03/MTT-17
Subject: USING HP NETWORK ANALYZER FOR COMPUTER AIDED
NOISE FIGURE MEASUREMENTS
Speaker: PHIL BARTLET

*Check "Yes" box only when there was a charge to attend the meeting;
optional dinner expenses preceding a meeting not considered an admission charge.

4. Meeting Date 10-28-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 2 Guests: 2

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) AP-03/MTT-17

Subject: GENERAL DISCUSSION OF LARGE ANTENNAE OF THE PAST
 Speaker: AL. FOWLER.

5. Meeting Date 10-20-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 8 Guests: 8

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) COM-19

Subject: UNITED TELEPHONE'S COMPUTER DATA SERVICES CENTER TOUR
 Speaker: _____

6. Meeting Date 10-19-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 32 Guests: 9

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) C-16

Subject: EPLOT COMPUTER FACILITIES TOUR
 Speaker: MARK GARDNER

7. Meeting Date 10-19-82 *Meeting Admission Charged: Yes No
 Meeting Category: 1 2 3
 Attendance: Members: 6 Guests: 10

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15

Subject: OVERVIEW OF "SAW" TECHNOLOGY Recommended for Speakers Directory
 Speaker: DR. DON MALOCHA

*Check "Yes" box only when there was a charge to attend the meeting; optional dinner expenses preceding a meeting not considered an admission charge.



- 1 - Technical
- 2 - Professional
- 3 - Social

IEEE SECTION MEETING ACTIVITY REPORT FOR CALENDAR YEAR 19 82

Please Type or Print All Information

ORLANDO

1. Meeting Date 9-21-82 *Meeting Admission Charged: Yes No
 Meeting Category: 7 1 2 3
 Attendance: Members: 7 Guests: 5

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) ED-15

Subject: STATE OF THE ART SEMICONDUCTOR PROCESSING EQUIPT.
 Speaker: DWIGHT YORK

2. Meeting Date 11-04-82 *Meeting Admission Charged: Yes No
 Meeting Category: 10 1 2 3
 Attendance: Members: 10 Guests: 15

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) COM-19

Subject: FIBER OPTICS - AN OVERVIEW OF MANUFACTURING & APPLIC.
 Speaker: WILLIAM SHENNICK

3. Meeting Date 11-15-82 *Meeting Admission Charged: Yes No
 Meeting Category: 13 1 2 3
 Attendance: Members: 13 Guests: 8

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) PE-31/IA-34

Subject: PARTICLE BEAM WEAPONRY & UPDATE ON ENERGY FROM NUCLEAR FUSION
 Speaker: DR STEPHEN BARDWELL

*Check "Yes" box only when there was a charge to attend the meeting;
 optional dinner expenses preceding a meeting not considered an admission charge.

4. Meeting Date 11-18-82 *Meeting Admission Charged: (Check one) Yes No
Meeting Category: 1 2 3
Attendance: Members: 12 Guests: 10

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) AP-03/MTT-17
Subject: SURFACE ACOUSTIC WAVE TECHNOLOGY
Speaker: TOM SOHQUIST

5. Meeting Date 11-23-82 *Meeting Admission Charged: (Check one) Yes No
Meeting Category: 1 2 3
Attendance: Members: 5 Guests: 24

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) C-16 / JOINT W, ASQC
Subject: LATEST AND GREATEST IN MICROPROCESSORS
Speaker: JIM BURKE

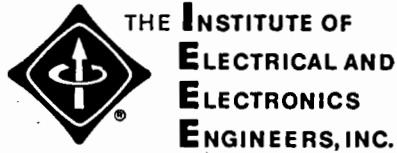
6. Meeting Date _____ *Meeting Admission Charged: (Check one) Yes No
Meeting Category: 1 2 3
Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____
Subject: _____
Speaker: _____

7. Meeting Date _____ *Meeting Admission Charged: (Check one) Yes No
Meeting Category: 1 2 3
Attendance: Members: _____ Guests: _____

Sponsor Section Council (Identify) _____
 Subsection (Identify) _____
 Chapter (Identify) _____
Subject: _____
Speaker: _____
 Recommended for Speakers Directory

*Check "Yes" box only when there was a charge to attend the meeting; optional dinner expenses preceding a meeting not considered an admission charge.



PLEASE REPLY TO:

1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

January 24, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, February 1, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

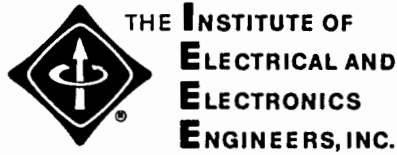
I have sent the summary of Orlando Section/Chapter meetings to Headquarters. Twenty-six meetings were reported. We should receive \$20 rebate for each of the twenty-four meetings which were Technical or Professional.

I have also sent to Headquarters a revised list of our Section Officers for publication in the March 1983 "Organization Roster".

Sincerely,

A handwritten signature in cursive script, reading "Frank Fluet", is written over the typed name.

Frank Fluet
Secretary
IEEE Orlando Section



THE INSTITUTE OF
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ENGINEERS, INC.

PLEASE REPLY TO:

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: January 4, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: Frank Fluet
Clark Hay
Al Fowler
Ed Ellis
Don Mendorf
Wm. C. Cram
Geo. F. McClure
G. White
M. Connell
G. Taack
John Gilbert
Bill Strickland
Joe Massett
Geoffery Dick
Russ Thiesen
David E. Flinchbaugh

Minutes:

1. Meeting was called to order at 5:35 by Chairman, Mannie Connell.
2. Treasurer's Report - Don Mendorf:

For month up to 12/7/82:

BALANCE 11/2/82

CHECKING FUND	\$ 1,813.56
DREYFUS FUND	14,122.96
	<u>\$15,936.52</u>

INCOME

COMPUTER CONSOLES	
SUITE LISTING	\$100.00

EXPENSES

BEN PATZ POSTAGE	\$ 2.20
SEMINOLE HOUSE PRINTERS	428.40
ALBERT K. FOWLER MEETING	27.33
	<u>\$457.93</u>

BALANCE 12/7/82

CHECKING FUND	\$ 1,455.63
DREYFUS FUND	14,122.96
	<u>\$15,578.59</u>

For month up to 1/4/83:
BALANCE 12/7/82

CHECKING FUND	\$ 1,455.63
DREYFUS FUND	14,122.96
	<u>\$15,578.59</u>

INCOME NONE

EXPENSES

CHECKS	\$ 9.72
BILL STRICKLAND & SPEAKER DINNERS	35.56
ALBERT FOWLER MTT POSTAGE	24.15
CRESTLINE G. 144 CUPS	370.21
SEMINOLE HOUSE PRINTER DEC NOTES	428.40
POSTMASTER 1983 MAIL PERMIT	40.00
G.M. BRAUN 10 DINNERS	86.50
D. MENDORF POSTAGE	10.00
CRESTLINE 95 CUPS-6	92.17
	<u>\$1,096.71</u>

BALANCE 01/01/83

CHECKING FUND	\$ 358.92
DREYFUS FUND	14,122.96
	<u>\$14,481.88</u>

Don suggested that the requirements of obtaining a state tax exempt stamp be studied to eliminate the sales tax on the Section Note expenses. Ed Ellis will pursue this with Florida Council.

Bill Cram moved to accept Treasurer's reports. John Gilbert seconded. Motion carried.

3. Ed Ellis moved for approval of the minutes from last meeting. George McClure seconded. Motion carried.
4. Awards Committee - Joe Massett:

Thus far the following nominations have been made: Russell Theisen for Region 3 Outstanding Service award, Dr. Benjamin W. Patz for Region 3 Outstanding Engineer of the Year award.

Ed Ellis moved that we submit the past year's Orlando Section Engineer of the Year as our nominee for the FES Engineer of the Year award. Seconded by Bill Cram. George McClure moved to amend the motion that the procedure of submitting the Section's previous Engineer of the Year for the FES award be followed in the future. Amendment seconded by Al Fowler. Amendment carried. Motion carried.

5. PACE - John Gilbert: Distributed the IEEE logo cups to officers and Chapter Chairman. Geoffrey Dick moved that cups be sold at cost (i.e., \$2.00 each). Seconded by Ed Ellis. Motion carried. Anyone interested in acquiring a cup with the IEEE logo should contact an individual listed in the rear of the Section Notes.

GEORGE E. MCCLURE
4-2-1

6. SOUTHEASTCON '83 - Russ Theisen:

A committee meeting is scheduled for the morning of 1-15/83. The Conference Theme "TECHNOLOGY CHALLENGES IN THE NEW SOUTH" features:

- o 30 technical sessions
- o 180 plus technical papers
- o 50 plus exhibitors
- o Tours and local attractions
- o Professional sessions
- o Regional awards
- o Student Conference activities

Dr. Ben Patz of the University of Central Florida, the Student Conference organizer, indicates that this will be the biggest and best Region 3 Student Conference yet. PHONE (305) 275-2816 for information pertaining to the Student Conference.

For information on the Exhibitor requirements contact George McClure, Martin Marietta Aerospace, PHONE (305) 352-3782.

For information on SOUTHEASTCON '83 contact Russell E. Theisen, General Chairman, Martin Marietta, 2667 Fitzhugh Road, Winter Park, FL 32792. PHONE (305) 352-2346.

7. AES - Dave Flinchbaugh: No report.

8. Communication - George Taack: There will be a joint meeting of MTT, Communication and Electronic Devices:

IEEE JOINT MEETING

DATE: Wednesday, January 19, 1983

LOCATION: Dinner -- Harley Hotel in South Room
Meeting -- Southern Bell Offices at 500 No. Orange Avenue

TIMES: Dinner -- 6:00 P.M.
Meeting -- 7:30 P.M.

TOPIC: Divestiture of AT&T

Mr. Bill Amidon and Mr. Ed Olsen of Southern Bell will team up to discuss the effect of the divestiture on the individual subscriber and the Bell Companies, both men are District Managers.

All interested should call 339-1600, x132 for reservations for the dinner and/or meeting.

9. Computer Society - Clark Hay:

Planned January meeting with Dr. Rao has not yet firmed up. If it does so soon we will have a telephone call session to pass the word on meeting details. Otherwise, we plan to try to schedule this meeting for March.

10. AP/MTT - Al Fowler:

MTT SOCIETY
ORLANDO CHAPTER

Tentative Meeting Schedule for 1983

- January - Joint meeting with Communications Society
Re: Reorganization of AT&T
- February 24 - Bob McMillan of Georgia Institute of Technology will speak on "A Full Waveguide Band MM Synthesizer in 40-60 GHz Band and on MM Wave Propagation. Meeting will be held at Hewlett Packard Facility on Lake Eleanor Drive at 5:15 P.M.
- March 16 - Bruce Hudson of Scientific Atlanta will talk on "Hi Sensitivity Measurements of Millimeter Wave Antennas". Meeting will be held at Court of Flags at 5:15 P.M. Refreshments will be provided courtesy of Scientific Atlanta.
- April - Nothing scheduled.
- May 26 - Robert K. Crane, Research Professor of Engineering at Dartmouth College, will speak on "Propagation Phenomena Affecting Millimeter Wave Communications Systems". Meeting will be at 5:15 P.M., with location to be determined later.
11. PE/IA - Geof Dick: No report.
12. Student Branch - No report.
13. Old Business: Russ Theisen moved that we again table the motion from November '82 meeting, pending a budget and program outline from Fred Simons concerning the advance of \$1,000 as seed money to help sponsor the proposed Technical Seminar on Modeling and Simulation. Seconded by Al Fowler. Motion carried.
14. New Business:
- A. Russ Theisen moved that we publish all new members names for 1982 in the Section Notes as well as member upgrades. Seconded by Mannie Connell. Motion carried.
- B. George McClure moved that we schedule our Annual Awards Banquet for February 25, 1983, seconded by Russ Theisen. Motion carried.
- C. George McClure circulated for comment, a draft of a letter he wrote to the IEEE Region 3 Awards Committee nominating our Section for the Region 3 Most Active Section award.
- D. Frank Fluet announced that a new IEEE logo commemorating the IEEE Centennial in 1984 is now available and should be used on publications for 1983 and 1984. Frank has examples of the logos.
15. Don Mendorf moved for adjournment at 7:24 PM. Motion carried.

IEEE REGION 03

New Orleans 6/83 (03045)

Section Publication: Section Bits IEEE
Officers

Dewey G Albritton, Chairman
365 Canal Street
Canal Place One Building
Room 1360
New Orleans, LA 70140
Office tel: (504) 528-7119

Luke S Boudreaux III, Vice Chairman
4819 Cardenas Drive
New Orleans, LA 70127
Office tel: (504) 528-7173

John J Bergeron, Secretary
New Orleans Public Service Incorporated
PO Box 60340
New Orleans, LA 70160
Office tel: (504) 595-2313

Kenneth L Black, Treasurer
New Orleans Public Service Incorporated
PO Box 60340
New Orleans, LA 70160
Office tel: (504) 595-2327

Committee Chairmen

Robert J Bush, Membership Development
365 Canal Street
Room 1010
New Orleans, LA 70140
Office tel: (504) 528-2598

William E Aicklen Jr, Professional Activities
7452 Saint Charles Avenue
New Orleans, LA 70118
Office tel: (504) 523-5281

Mona K Draper, Student Activities
4928 Wabash Apartment C
Metairie, LA 70001
Office tel: (504) 528-2648

Dale C Caston, Education
365 Canal Street
Room 1080
New Orleans, LA 70140
Office tel: (504) 528-2500

Carmen A Fuselier, Newsletter Editor
2516 Onzaga Street
New Orleans, LA 70119
Office tel: (504) 528-7204

Chapter Chairmen

James W Berney, COMP-16
8300 Palmetto Street
Apartment 114
New Orleans, LA 70118
Office tel: (504) 528-7221

Richard W Miller, COM-19
4717 David Drive
Kenner, LA 70062
Office tel: (504) 528-2647

New Orleans 6/83 (03045) (cont.)

Chapter Chairmen (cont.)

Robert A Brossette Jr, PE-31
5232 Mandeville Street
New Orleans, LA 70122
Office tel: (504) 595-2328

Oak Ridge 8/83 (03749)

Tennessee Council
Officers

Robert L Waters Jr, Chairman
1204 Wallingford Road
Knoxville, TN 37923
Office tel: (615) 576-1525

Edgar L Newcome, Vice Chairman
102 Nebraska
Oak Ridge, TN 37830
Office tel: (615) 576-1861

William A Baldauf Jr, Secretary
121 Cumberland View Drive
Oak Ridge, TN 37830
Office tel: (615) 574-1677

Ronald E Battle, Treasurer
22 Westover Drive
Oak Ridge, TN 37830
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Orlando 6/83 (03551)

Florida Council

Section Publication: Orlando Section Notes

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IEEE REGION 03

Orlando 6/83 (03551) (cont.)

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Pensacola 6/83 (03557)

Florida Council

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James M Parker, Vice Chairman
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Pensacola, FL 32520
Office tel: (904) 434-8541

DATE: FEB 1, 1983

ATTENDEES

(A)

IEEE ORLANDO SECTION
EXECUTIVE COMMITTEE MEETING

(NOTE: Use phone/address if change from that on record)

	Name	(Address)	Bus. Phone	Home Phone
1	FRANK FLUET	✓	✓	✓
2	George F. McClure	✓	✓	✓
3	Angela Palmer	-	-	-
4	CARL F. SCHUNEMANN	✓	✓	C
5	Mickey Mindock			
6	W.M. C. Cram		-	647-4123
7	George B. TAACK JR (Please get me on the Section notes for Comm. instead of Mike Hermain)			
8	DON MENDORF	✓	✓	✓
9	J.C. MASSETT	✓	✓	✓
10	G.C. WHITE	✓	✓	✓
11	Bill Kownacki	✓	275-2318	✓
12	DAVID E. FLINCHBAUGH	✓	✓	✓
13	JOHN D. ELBERT	✓	✓	✓
14	Russ Thorsen	✓	352-2346	671-4139
15	Ed Ellis	✓	✓	✓
16	Mennie Connell	✓	784 7002x83	273-8588

2-1-83

(B)

TREASURER REPORT 2/1/83

BALANCE 1/4/83

CHECKING ACCOUNT	\$358.92
DREYFUS FUND	\$14,122.96
	<u>\$14,481.88</u>

INCOME

DREYFUS FUND QUARTER \$356.35

EXPENSES

FRANK FLUET POSTAGE	\$ 26.80
JOE MASSET POSTAGE	\$ 10.15
D. FLINCHBUAGH AES	
TWO SPEAKERS	\$150.00
G. McCLURE	
WORD PROCESSING SOFTWARE	<u>\$125.35</u>
	\$312.30

TRANSFER FROM DREYFUS FUND TO
CHECKING \$1000.00

BALANCE

CHECKING ACCOUNT	\$1,046.58
DREYFUS FUND	\$13,479.31
	<u>\$14,525.89</u>

↑
Compress

Nominations rec'd:

Nominations Expected:

Communications

AES

Computer

AP/MTT

Electron Devices

Power &

Senior Student

Graduate Student

Eric Erickson submitted as FES Engineer of the Year ✓

The following Societies have submitted nominations for Orlando Section Outstanding Engineer or Outstanding Chapter Chairman: Communications, Computer, and Electron Devices. Nominations are forthcoming from AES, AP/MTT, PE/IA, Senior Student and Graduate Student.

The Section's nomination of Dr. E. Erickson for FES Engineer of the year has been completed

only this part for (C) ↗

MEETING NOTICE
IEEE ELECTRON DEVICES SOCIETY

DATE: Tuesday, 1 March 1983

PLACE: Hewlett Packard (Lake Ellenor Drive)

TIME: 5:15 p.m.

TOPIC: Wacker Siltronic Portland Oregon Silicon Facility

SPEAKER: Mr. Malcolm J. Russ
General Manager and Executive Vice President

Individuals who would like additional information please contact
Mickey Mindock 352-2776 or Dick Zanowick 352-2914

2-1-83 (D)

2-1-83

(D)

ORLANDO SECTION NOTES, published monthly except July and August, to inform electrical and electronic engineers of meetings, conferences and other events of interest in the Orlando area. Eight to twelve pages are published each issue, by the Orlando Section of the Institute of Electrical and Electronic Engineers. These societies of the IEEE are in the Orlando Section: Aerospace and Electronic Systems, Communications, Computer, Microwave Theory and Techniques, Power Engineering and Industrial Applications, Antennas and Propagation, and Electron Devices.

CIRCULATION: 1100; 950 in the greater Orlando area.

ADVERTISING RATES: Black and white, per insertion, effective Sept. 1, 1982.

Size:	Inches:	1-2 insertions	3-10 insertions, same copy
One page	5 x 8	\$65.00	\$60.00
3/4 page	5 x 6	55.00	50.00
1/2 page	5 x 4	40.00	35.00
1/4 page	5 x 2	25.00	20.00
Photograph half-tones:		\$10.00	

CLOSING DATES:

Please make space reservations by the first of the month preceding publication. Black and white, positive copy should be received by the tenth of the month preceding publication.

Contact: William A. Kownacki ²⁷⁵⁻²³¹⁸ ~~Rayco, Inc.~~
2421 North Orange Blossom Trail, Orlando, FL 32804
(305) 843-8484 x364

only this part for (D)

2-1-83

IEEE
COMMUNICATIONS CHAPTER
JANUARY 1983 REPORT

(E)

A meeting was held on January 19, 1983 at the Bell offices on North Orange in Orlando on the divestiture of AT&T. It was jointly sponsored by Communications, MTT, and Electron Devices. Mr. Bill Amidon and Mr. Ed Olsen, both District Managers of Southern Bell, were the speakers. The meeting was attended by 11 IEEE members and 31 guests for a total of 42 people.

Ed Ellis has been nominated by the Communication's Chapter as their entry into the Section Engineer of the Year.

Future meetings have not been finalized enough to discuss at this time.

Georgy Traub.

2-1-83

31 January 1983

F

Dear Electron Device Society Members,

The Electron Device Society is off to a good start in 1983. We had our first meeting jointly with MTT and the Computer Society on 17 January, featuring speakers from AT&T. Forty-two people attended the meeting.

On 17 February, Mr. Dick Bruning, Chief Council of Martin Marietta Orlando will give a talk at Hewlett Packard on Engineering and Fixed Price Contracts. Mr. Bruning is a very dynamic speaker and I urge your attendance at the meeting.

On 1 March 1983, we will have a presentation from Malcolm Russ, Vice President and General Manager of Wacker, who will discuss Wacker's silicon growing facility in Portland. This promises to be a very informative meeting.

Your Officers will be arranging other meetings which we think will be of interest to you on such topics as Electron Beam Photolithography, Device Processing and Characterization. To serve you better, we would like your suggestions. If you have any ideas, please contact Dick Zanowick at 352-2914.

In addition, because of the small size of the Chapter and in an attempt to broaden the base and offer greater diversity in our meetings, your Officers are attempting to expand the geographical influence to include Electron Device members throughout the State and other parts of the Southeast. We are hoping that the Society can become a focal point for the growth of semiconductor technology in the State of Florida. We are also attempting to organize special session(s) at the 1984 Southcon. Our hopes are to begin a local Custom Solid State Device Conference which could expand into a National Conference. A planning meeting for these activities is to be held April 12, 1983 at the Southeastcon meeting.

In all, we're looking forward to some interesting activities in the future and we would like to encourage your participation.

In addition, we are looking for new members. If you know of a colleague who may be interested in our activities, please contact Don Malocha at 275-2414 for further membership information.

Mitchell M. Malocha

2-1-83

~~6~~

MEETING NOTICE
IEEE ELECTRON DEVICES SOCIETY

DATE: Tuesday, 1 March 1983

PLACE: Hewlett Packard (Lake Ellenor Drive)

TIME: 5:15 p.m.

TOPIC: Wacker Siltronics Portland Oregon Silicon Facility

SPEAKER: Mr. Malcolm J. Russ
General Manager and Executive Vice President

Individuals who would like additional information please contact
Mickey Mindock 352-2776 or Dick Zanowick 352-2914

↑
Congress

2-1-83

MEETING NOTICE

IEEE ELECTRON DEVICES SOCIETY



DATE: Thursday, 17 February 1983

PLACE: Hewlett Packard (Lake Ellenor Drive)

TIME: 5:15 p.m.

TOPIC: Risk and Change in the Fixed-Price Environment

SPEAKER: Richard C. Bruning
Orlando Aerospace Chief Counsel

ABOUT THE SPEAKER:

Mr. Bruning has been employed at Martin Marietta since September 1978. He is currently responsible for all legal matters of Orlando Aerospace and its three divisions. Prior to joining Martin, Mr. Bruning was an Officer in the U.S. Army.

Individuals who would like additional information please contact Mickey Mindock 352-2776 or Dick Zanowick 352-2914

↑
Cone

2-1-83

MEETING NOTICE

I

I am pleased to announce that for our February 24th meeting we have Dr. Robert W. McMillan of Georgia Institute of Technology. You'll note that Bob is a Martin alumnus so all you Martin fellows will have a chance to review old acquaintances.

Our meeting will be at Hewlett Packard on Lake Eleanor Drive at 5:15 P.M. on 24th of February. After the meeting we will be honoring Dr. McMillan at dinner at Gary's. Dr. McMillan will be accompanied by his wife, Ann. Reservations are not necessary, however, if you wish to join us for dinner please advise us by calling either; Al Fowler, 678-2141, Carl Schunemann, 352-4366 or Larry Pack, 857-2591.

Al Fowler
Al Fowler
PGMTT
Chairman

I₂

SUBJECT: A MILLIMETER WAVE SYNTHESIZER FOR THE
40-60 GHz WAVEGUIDE BAND

A full waveguide band millimeter wave synthesizer capable of providing a spectrally pure phase locked signal over the full 40-60 GHz band will be described. This source is based on the Siemens RWO 60 backward wave oscillator and is capable of at least 30 mW power output over this frequency range. The microprocessor controlled synthesizer is also capable of stepped-sweep or of random access to any frequency in the band.

SUBJECT: Measurement of Turbulence Effects on
Millimeter Wave Propagation

A transportable facility designed to measure the effects of atmospheric turbulence on millimeter wave propagation will be described. Measurements of both intensity and angle-of-arrival fluctuations will be made at frequencies of 118, 140, 174, 230, 334 and 346 GHz over a three year period. Preliminary results obtained from earlier measurements will also be presented.

SPEAKER: Robert W. McMillan, Georgia Institute of
Technology, Atlanta, Georgia

Robert W. McMillan is a Principal Research Scientist at the Engineering Experiment Station of the Georgia Institute of Technology in Atlanta, Georgia. Earlier positions include 15 years as an engineer at Martin Marietta Aerospace in Orlando and two years as an engineer at Westinghouse in Baltimore. He holds degrees from the University of Florida (Ph.D., 1974), Rollins College (M.S., 1966), and Auburn University (B.S., 1957), all in Physics or Engineering Physics. Current interests include millimeter waves, atmospheric physics, lasers, and electro-optics. Dr. McMillan is a member of the IEEE and the Optical Society of America.

(T3)

MTT SOCIETY
Orlando Chapter

Tentative Meeting Schedule for 1983

January - Joint meeting with Communications Society
Re: Reorganization of AT&T

February 24 - Bob McMillan of Georgia Institute of Technology will speak on "A Full Waveguide Band MM Synthesizer in 40-60 GHz Band and on Measurement of Turbulence effects on MM Wave Propagation. Meeting will be held at Hewlett Packard Facility on Lake Eleanor Drive at 5:15 P.M.

March 16 - Bruce Hudson of Scientific Atlanta will talk on "Hi Sensitivity Measurements of Millimeter Wave Antennas". Meeting will be held at Court of Flags at 5:15 P.M. Refreshments will be provided courtesy of Scientific Atlanta.

April - Nothing scheduled.

May 26 - Robert K. Crane, Research Professor of Engineering at Dartmouth College, will speak on "Propagation Phenomena Affecting Millimeter Wave Communications Systems. Meeting will be at 5:15 P.M., with location to be determined later.

Carl Schunemann,
Program Manager
352-4366

(J)

IEEE student branch at UCF has purchased an Atari 400 computer. ~~XXXX~~ We would like to extend its capabilities. This year we are using it for speech synthesis on our Engineering Fair project, a robot.

in which

If we can buy this extra equipment the project could be added to each year. Work on speech recognition is one of the areas ~~that~~ our students are interested. The robot could be added to in the area of usefulness with extra memory for larger programs. In general there are many areas that we could pursue.

Below is a list of the uses of the expanded system.

1. Continuing Engineering Fair Project for several years.
2. Continuing education for students.
3. Increase memberships through mailouts, displays on IEEE.

The equipment which we would like to purchase is listed below with approximate prices.

Software phonetics	\$60.00
Expansion interface	\$170.00
<u>ette recorder</u>	\$ 60.00
Assembler 6502	\$ 60.00
<u>48K RAM</u>	\$ 75.00
<hr/>	
Total	\$425.00

*Angela Palmer
faculty adviser to Dr. Miller.*

L

REPORT TO ORLANDO SECTION IEEE EXECUTIVE COMMITTEE

1 February 1983

1. Research into growth of Orlando Section showed a 44.9 percent gain in 4.5 years, or 8.59 percent per year, compounded, compared with Region 3 growth last year of 6.27 percent.

While the number of senior and life senior members grew by 30 during this period, most of the increase was life seniors who retired to central Florida. We still need to emphasize upgrading of membership by qualified members within the section.
2. The Membership Development Chairman, Don Sullivan, is unable to attend Executive Committee meetings because of a class he is taking on Tuesdays. That will be concluded shortly; however, he has a job offer up north and a new wife from New York and expects to leave the area shortly. We need to line up a new Membership Development person.
3. Southeastcon'83 has sold 6 exhibit booths thus far, with additional inquiries being received regularly. Raytheon has not signed up yet, but says they are planning to exhibit the Patriot missile system. Martin Marietta has declined to participate as an exhibitor. A second mailing to the 400-name address list is in preparation.
4. The Florida Revenue Commission has been contacted about qualifying for exemption from the Florida Sales Tax, as a non-profit educational organization. A copy of the application has been supplied to Don Mendorf for the Section, and the matter will be taken up with the Florida Council, since all twelve sections in Florida can be treated the same. The application requires information about the tax status of the parent organization, so would require cooperation from Hq. to complete. Sales of goods, such as coffee cups, to the members would require the collection and transmittal of sales tax, even if other items, such as the printing of our section notes were tax exempt.
5. The first edition of the Florida Council Newsletter has been sent to all Florida sections (chairmen, vice-chairmen, PACE chairmen, and newsletter editors) by the FCIEEE newsletter editor and FCIEEE vice chairman, George McClure. The Newsletter will be published quarterly to keep Florida sections' leadership informed of actions and deliberations by the FCIEEE.
6. One proposal raised at the FCIEEE meeting in December was the establishment of a PAC (Political Action Committee) to influence legislation by contributing to election funds for candidates. A problem exists if this could be considered as lobbying, since that is not allowed for tax-exempt organizations; no contributions for lobbying are personally tax-deductible either, although contributions to qualified candidates for political office can be deducted at a 50 percent rate up to a deduction of \$100 (single) or \$200 (joint return).

George McClure

2-1-82

M

NEWS RELEASE

Russell E. Theisen, ~~ADATS Program~~, has won the Institute of Electrical and Electronic Engineers (IEEE) "1983 OUTSTANDING SERVICE AWARD".

This annual Regional award is made to the individual selected from the 25,000 IEEE members in Region 3 who has made the most significant contribution to IEEE and the Engineering Community.

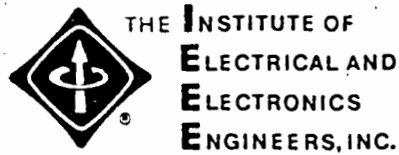
Martin Marietta
Mr. Theisen is in the Systems Software department and is responsible for the ADATS Engineering test systems development.

For IEEE he has held over 35 offices at the local, state, region, and national levels. Presently, he is the Computer Society's National representative on Membership and Chapter development and the General Chairman of the SOUTHEASTCON 83 conference to be held April 11 through 13, 1983 in Orlando, Florida. He also is the STANDING COMMITTEE Chairman for TUTORIAL WEEK EAST, the annual week long technical seminar held in Orlando the first week of April.

Mr. Theisen is listed in the Who's Who in America and Who'S Who in the South, 1982 and 1983.

For information contact:

Russell E. Theisen
Systems Software
ADATS Program
x2346



REGION 3
SOUTHEASTERN U.S.A.

K. REED THOMPSON, P.E.
REGIONAL DIRECTOR

GENERAL ELECTRIC CO.
1501 ROANOKE BLVD., ROOM 250
SALEM, VIRGINIA 24153
(703) 387-7370 (OFFICE)
(703) 989-9402 (HOME)

January 24, 1983

Mr. Russell E. Theisen
Manager, Systems Software Laboratory
Martin Marietta Aerospace-Electronics Division
P. O. Box 5837 MP-188
Orlando, Florida 32855

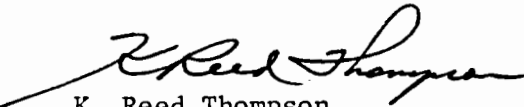
Dear Russ:

It is a real pleasure to advise that you have been selected to receive the 1983 Region 3 Outstanding Service award. Congratulations on this recognition of your many and valued services to IEEE in Region 3.

As General Chairman of SoutheastCon '83, your presence there is already assured. However, the Region requests the honor of the presence of you and your wife as our guests at the Awards Luncheon on Tuesday, April 12, 1983.

Again, congratulations on the receipt of this prestigious award.

Sincerely,


K. Reed Thompson
Region 3 Director

md

CC: Vernon Powers, Chairman Region 3 Awards Committee
Mannie R. Connell, Chairman Orlando Section
Arthur N. Greene, Chairman Florida Council



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

DIRECTOR-DIVISION V
COMPUTER SOCIETY
T. H. Bonn

PLEASE REPLY TO:
Sperry Research Center
100 North Road
Sudbury, MA 01776
(617) 369-4000 Ext. 311

January 6, 1983

Russell E. Theisen
Martin Marietta Aerospace
2667 Fitzhugh Road
Winter Park, FL 32792

Dear Russ:

This will confirm your appointment, in accordance with our conversation, as Division V Representative to the IEEE Membership Development Committee.

You did an outstanding job last year and I know that your continued work on this Committee will strengthen both the IEEE and the Computer Society in Membership Development activities.

With best wishes for the New Year.

Sincerely,

Ted

Ted Bonn

THB/sdw

cc: E. Bidstrup
M. Elliott
O. Garcia
W. Hunter
M. Smith



INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

SOUTHEASTCON '83

SHERATON TWIN TOWERS HOTEL, ORLANDO, FLORIDA

2-1-83

APRIL 11-13, 1983

"TECHNOLOGY CHALLENGES IN THE NEW SOUTH"

1983 IEEE SOUTHEASTERN CONFERENCE

EXECUTIVE COMMITTEE

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Martin Marietta Aerospace
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Winter Park, FL 32792
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Technical Program

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University of Central Florida
College of Engineering
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Finance Chairman

Joseph L. Massett
Martin Marietta Aerospace
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Exhibits Chairman

George F. McClure
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Registration Chairman

George T. Kirby
Naval Equipment Training Center
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Conference Chairman

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Regional Advisor

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Administrative Chairman

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Stromberg Carlson
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Florida Council Representative

Dr. David Finchbaugh
4855 Big Oaks Lane
Orlando, FL 32806
(305) 867-2662 (ol) (305) 859-4855 (H)

NEWS RELEASE

IEEE Region 3 SOUTHEASTCON '83

SOUTHEASTCON '83 will be held at the Sheraton Twin Towers Convention Center, Orlando, Florida, April 11 thru 13, 1983.

This conference is sponsored by IEEE Region 3, the Florida Council and Orlando section of the IEEE. More than 180 papers will be presented in 30 technical sessions. The conference theme "TECHNOLOGY CHALLENGES IN THE NEW SOUTH", features speakers from 35 colleges and 40 firms on topics as varied as pattern recognition, computer systems, robotics, electron devices and testing. Programs are included for student participation. More than 50 exhibitors are expected. Activities will be available for spouses.

For further information, contact the following:

Student Conference Activities:
Dr. Ben Patz (305) 275-2816

Exhibits:
George McClure (305) 352-3782

Program, Registration, General Information:
Russell Theisen
2667 Fitzhugh Road
Winter Park, FL., 32792
Phone: (305) 352-2346



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The Data Processing Management Association Education Foundation, a non-profit organization, was established to meet the changing educational requirements of the information processing profession and industry.



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If you are not now a member of the DPMA, you may apply \$20 of the registration fee to the first year's membership to join a chapter of your choice. Ask at the registration desk for a special tentative membership application and further details.

FEE

The registration fee is \$475 per registrant. For DPMA members (individual members only, not corporate) the fee is \$445. For teams of 3 or more and government and university personnel the fee is \$410 each. Please complete and return the registration form below or register by phone. **Registration fees are payable in advance and include tuition, documentation and refreshments.**

ACCOMMODATIONS

Accommodations must be arranged directly with the hotel and should be made at least four weeks in advance. Be sure to mention the "DPMA Seminar" for group rates. **FOR BOSTON:** Call the 57 Park Plaza at (617) 482-1800. **FOR WASHINGTON, D.C.:** Call the Westpark Tysons at (703) 734-2800. **FOR ORLANDO:** Call the Gold Key Inn at (305) 855-0050.

CANCELLATIONS

Substitutions may be made at any time. Cancellation of a confirmed registration must be made at least 10 days prior to the seminar. You must obtain a cancellation number from our registrar in order that the cancellation be official. Cancellations received after that date are subject to the full registration fee. **SUBSTITUTIONS MAY BE MADE AT ANY TIME.**

TAX DEDUCTION

(Treasury Reg. 1.162.5) An income tax deduction is allowed for expenses of education incurred to (1) maintain or improve skills required in one's employment or other trade or business, or (2) meet express requirements of an employer or a law imposed as a condition to retention of employment, job status, or rate of compensation.

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SHORT COURSE ANNOUNCEMENT

A DIGITAL SIGNAL PROCESSING WORKSHOP

OBJECTIVES:

The advancements in VLSI and digital technologies have resulted in rapidly expanding opportunities and markets for digital signal processing applications. Image processing, signal design/identification, filtering, digital dynamic controllers are just part of a long and growing list of application areas. However, practicing engineers find it difficult to function in these areas because broad background areas are required, e.g., filtering, digital hardware/software, discrete modeling, sampling, digital filters, FFT's, etc. This workshop will present the material needed by practicing engineers to "transition" into the digital control and digital signal processing areas of work.

DATES AND TIME:

Wednesday - Friday, February 2-4, 1983. To accommodate work schedules, the workshop will run from 1-9 p.m. on Wednesday and Thursday. On Friday, the time is 9 a.m. to 4:30 p.m.

MATERIAL:

Texts: A Digital Signal Processing Text and The Intel 2920 Analog Signal Processor Design Handbook

Notes: Discrete Modeling and Difference Equations

Papers: Discrete Model and Digital Filter Handheld Computer Program Aids

SUBJECTS:

- . Review of Continuous Models
- . Introduction to $H(z)$ Discrete Models and Difference Equations
- . Review of Analog Filters with Design Techniques
- . Sampling and Conversion Concepts and Techniques
- . Digital Filter and/or Controller Design and Synthesis - including Hardware Implementation Alternatives on Microprocessors
- . Introduction to FFT Algorithms and Their Applications to Signal and System Identification

SPECIAL FEATURES:

- . A Complete Filter Design, from Specification to Implementation with the Intel 2920, a Single Chip Processor
- . Specialized Handheld Computer Programs that Serve as $H(z)$ (Discrete System) Model Analysis Tools or as Aids to Signal Processor Designs
- . An Overview of Digital Signal Processing Equipment and Software

(More Over Please)

N

INSTRUCTORS:

- . Dr. Fred O. Simons, Jr., PE, Professor of Engineering, UCF
- . Dr. Richard C. Harden, PE, Professor of Engineering, UCF
- . Mr. Robert Martin, Assistant Professor, UCF
- . Mr. Madjid Belkerdid, Assistant Professor, UCF

LOCATION: UCF South Orlando Campus in Orlando Central Park
7300 Lake Ellenor Drive

FEE: IEEE Members - \$255 per registrant; non-members \$295 per registrant (10% discount for three or more registrants from same company)

SPONSORS: University of Central Florida and IEEE

CONTACT: Complete registration form and mail check to University of Central Florida, College of Extended Studies, Orlando, Florida, 32816 or for telephone registration - (305)-275-2123

ENROLLMENT WILL BE LIMITED!!!!

REGISTER EARLY - TEXT MUST BE ORDERED!!!!

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REGISTRATION FORM — A DIGITAL SIGNAL PROCESSING WORKSHOP
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Data Communications: An Intensive Introduction

American Institute for Professional Education

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REGISTRATION INFORMATION

COURSE FEES: The \$695 registration fee includes the seminar and seminar workbook.

DISCOUNT SCHEDULE: Three or more registrations made concurrently from the same firm are entitled to a 10% discount.

REGISTRATION: Attendance level is limited and sessions tend to fill up well in advance of workshop dates. To register, mail the registration form or phone 201-377-7400. Registrants will be notified if a course is over-subscribed or cancelled. If not notified, your registration has been accepted.

CANCELLATIONS: The registration fee is fully refundable up to three business days prior to the starting date of the seminar. A charge of 50% to cover incurred expenses will be assessed for any cancellation after that date. Transfers and substitutions may be made at any time at no charge, providing substituted session is attended.

HOTEL ACCOMMODATIONS: Contact the hotel directly to reserve a room. A block of rooms will be held at the hotels listed below until two weeks prior to the seminar. When making your reservation, please indicate that you are attending an American Institute seminar.

COURSE SCHEDULE: Classes are held from 9:00 A.M. to 5:00 P.M. each day. No evening sessions are scheduled.

GUARANTEE: All participants will benefit from this unique seminar/workshop. The American Institute for Professional Education believes that DATA COMMUNICATIONS offers the best possible training

available in this field. If, during the course, the participant notifies the instructor of his/her desire to withdraw, the attendee may leave and receive a full refund.

CEU'S AWARDED: The participants who successfully complete the course are awarded 2.1 Continuing Education Units. A certificate will be awarded upon request.

ON-SITE TRAINING SESSIONS: For further information about sponsoring this workshop for groups of 15 to 30 professionals within your organization, please contact the Director of On-Site Programs, Carnegie Press, 201-822-1240.

TAX DEDUCTION: For all expenses of continuing management education (including registration fees, travel, meals, and lodging) undertaken to maintain and improve professional skills (Treas. Reg. 1-162-5 Coughlin vs Commissioner, 203F 2d307).

ABOUT THE INSTITUTE: The American Institute for Professional Education was founded in 1972. It is a non-profit organization serving the educational needs of business professionals. The American Institute strives to provide for the interdisciplinary needs of professionals in today's rapidly expanding technological fields through the creation of two- and three-day seminars/workshops. These seminar/workshops are offered throughout the United States, Canada and Australia. For a current listing, call 201-377-7400.

NEW BOOKS: Data Communications: The Business Aspects ISBN 0-935506-05-5, **Standards and Protocols for Communications Networks** ISBN 0-935506-03-9, Carnegie Press 201-822-1240.

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Lenox Hotel
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STAMFORD, CT - Mar. 16-18, 1983
Howard Johnsons Hotel
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SEATTLE, WA - Feb. 23-25, 1983
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Holiday Inn Downtown
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ORLANDO, FL - Mar. 23-25, 1983
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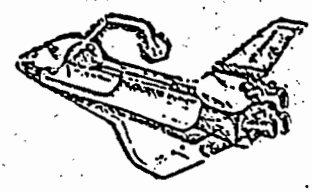
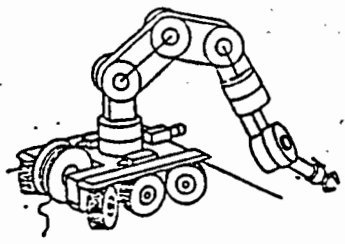
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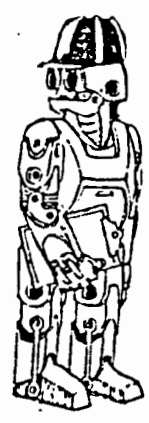
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2-1-83

SME CHAPTER 160 SEMINAR OFFERING



"INTRODUCTION TO... APPLIED ROBOTICS AND AUTOMATION"



DATE: Saturday, January 29, 1983
 TIME: 8:30 AM to 4:30 PM
 LOCATION: Holiday Inn at Altamonte Springs (S-W corner of I-4 & 436)
 INSTRUCTORS: Dr. David E. Flinchbaugh, P.E., C.Mfg.E.
 Dr. Christian S. Bauer, Jr., P.E.
 COST: SME Members.....\$ 35.00 (also IEEE)
 Non-Members.....\$ 50.00

SEMINAR OBJECTIVES:

To present a basic overview of robotics, remote manipulators, and automation in industry, learn about techniques used and configurations of present day hardware and software, explore development trends in sensors, computer control, and artificial intelligence, and finally to consider future applications and their impact on society.

FURTHER INFORMATION: Call D. E. Flinchbaugh at 305-859-4855 (home)
 or 305-268-7252 (office)

PLEASE REGISTER BY JANUARY 25th



SOCIETY OF MANUFACTURING ENGINEERS

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D. Flinchbaugh
Education Chairman
P.O. Box 13416
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SME CHAPTER 160

Include \$ 10.00 (or full payment)
with registration. Thank you.

Please register me for: "Introduction to Applied Robotics and Automation"

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

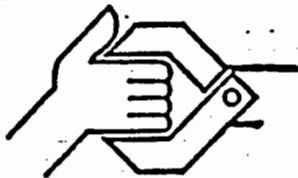
COMPANY: _____

SEMINAR SCHEDULE: "INTRODUCTION TO APPLIED ROBOTICS AND AUTOMATION"

- 8:00-8:30 AM Registration
- 8:30-8:45 AM Robotics International of SME, RIA, and You...
- 8:45-10:15AM What is a ROBOT ?
Definition, Hardware, Configurations, and Classifications
- 10:15-10:30 AM Refreshment Break
- 10:30-12:00 PM Systematic Approach to Applications
Familiarization with Robots, Initial justification survey, Applications engineering, Preparation, Installation, Launching, and Monitoring
- 12:00-1:00 PM Lunch Break (Open, individual preference)
- 1:00 -2:30 PM Robots and Productivity
Labor content reduction, Pacing of process, Relief from undesirable tasks, Increased output, and Decreased unit cost
- 2:30 -2:45 PM Current Applications
Hazardous environments, Forging, Die casting, Investment casting, Injection molding, Stamping, Machine tending, Material handling, Material forming, Welding, Finishing, and Assembly
- 2:30 -2:45 PM Refreshment Break
- 2:45 -4:15 PM Human Relations Considerations
Labor acceptance, and Management acceptance
The Future of Robotics
Current state of the art, Sensory feedback, Computer controls and interfaces, Artificial intelligence, and Future trends
- 4:15 -4:30 PM Question and Answer Session

ABOUT THE SPEAKERS: Dr. Dave Flinchbaugh is a Professional Engineer and a Certified Manufacturing Engineer in Robotics. He has traveled in many countries and has published a comprehensive survey of the state of the art in automation and productivity technology. He has extensive experience in industry with companies such as McDonnell Douglas, Westinghouse, United Aircraft, Sperry, Martin Marietta, and I.B.M., and he has also taught courses at several colleges.

Dr. Chris Bauer, a registered Professional Engineer, is Professor of Engineering and Director of the Transportation Systems Institute at the University of Central Florida. His principal areas of teaching and research include computer applications engineering, transportation systems, computer graphics, CAD/CAM, and robotics.



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The Executive Committee meets the first Tuesday of each month, except July, at Stromberg-Carlson Training facility, 1044 N. Orlando Ave., Winter Park, FL (Galloway St. side), at 5:30 p.m. All IEEE members are welcome to attend.

Gerry: Here are the latest changes that I know of.

Thanks

Frank Fluett

2-25-83



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

ORLANDO SECTION CORRESPONDENCE

26 April 1983

2-1-83
for only records.

Mr. Vernon B. Powers, Chairman
IEEE Region 3 Awards Committee
3162 W. Vina del Mar
St. Petersburg, FL 33706

PLEASE REPLY TO:

Dear Mr. Powers:

I am pleased to nominate the ORLANDO SECTION for the distinction of the Exemplary Section award in Region 3.

Active in services to its members, the ORLANDO SECTION has also been increasing its membership by 8.59 percent per year, a compounded rate well in excess of the growth goals established by Region 3, itself the second-fastest growing U. S. Region within the Institute, with a 6.27 percent membership gain in 1982. The ORLANDO SECTION this month has 881 members, an increase of 44.9 percent in four and one-half years.

The ORLANDO SECTION has been active in sponsoring technical conferences and tutorials to benefit not only its membership but that of the region, in addition to conducting two international conferences and assisting in the production of a third. Among these activities are the following technical conferences co-sponsored by the ORLANDO SECTION:

- SOUTHEASTCON'74
- SOUTHEASTCON'83
- The 27th Annual International IEEE Vehicular Technology Conference, 1977
- AUTOTESTCON'81 (International Conference on System Support and Maintainability)
- First Mini-Micro Symposium, 1977
- Second Mini-Micro Symposium, 1978
- Florida ECLECTIC and Mini-Micro Conference, 1979

Conferences conducted with local arrangements assistance from the ORLANDO SECTION include the 1979 International Microwave Symposium and Exposition and SOUTHCON'82.

The ORLANDO SECTION has also been active in sponsoring or co-sponsoring and supporting tutorials and short courses, including the following:

- Tutorial on Hand-Held Calculators, 1977
- Tutorial on Personal Calculators, 1978
- Tutorial on Signal Processing, 1979
- IEEE Florida Computer Tutorials, 1980
- Microcomputer Systems Design short course, 1980
- Tutorial Week East, 1981 (Fla. West Coast Section co-sponsoring)
- Signal Processing Tutorial, 1982
- Tutorial Week East, 1982 (Fla. West Coast Section co-sponsoring)

The ORLANDO SECTION supports a student branch at the University of Central Florida as well as a student chapter of the Computer Society. It awards both certificates and cash prizes to the outstanding senior and graduate student annually.

Mr. Vernon Powers

Page 2

as nominated by the University of Central Florida. It recognizes three members of the section during the year, as Engineer-of-the-Year, for Outstanding Service to the Section, and as outstanding chapter chairman.

The ORLANDO SECTION now comprises 66 student members, 543 member-grade members, 123 senior members, and 11 fellows (including life members in each respective category). It has increased its number of senior and life senior members by 30 during the past four and one-half for which such data are available and has sponsored two fellows in their election by the Institute, in 1974 and 1981.

The ORLANDO SECTION was instrumental in the founding of the Florida Council of IEEE in 1976 through the efforts of two of its past section chairmen working with Region 3. It participated in the formation of the SOUTHCON Conference and Exposition jointly with the Atlanta section before recommending that Florida sponsorship be vested in the Florida Council.

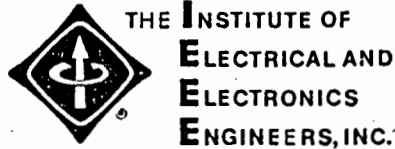
Nine societies are represented in chapter activity within the ORLANDO SECTION, including Aerospace & Electronic Systems, Antennas and Propagation, Communications, Computer, Electron Devices, Industrial Applications, Microwave Theory and Techniques, Power Engineering, and Vehicular Technology. A chapter of the Electromagnetic Compatibility Society is in the process of being formed, under the guidance of an Orlando member who serves on the board of governors of the Electromagnetic Compatibility Society.

Members of the ORLANDO SECTION are represented on the administrative committees or boards of directors/governors of several IEEE societies, including Computer (Theisen), Electromagnetic Compatibility (Anderson), Professional Communication (McClure), and Vehicular Technology (McClure), as well as on the AUTOTESTCON Conference Board of Directors (McClure) and the IEEE Energy Committee (McClure). The ORLANDO SECTION has provided an Area 4 chairman (Walter) and a past chairman of the Florida Council (Flinchbaugh) as well as its present vice chairman (McClure). Its members have also served Region 3, as awards chairman (Theisen) and PAC chairman (Pullara).

To the extent that the worth of a section is measured by its level of service to its local members, its state council, region, and the Institute as a whole, the ORLANDO SECTION deserves consideration as Region 3's Exemplary Section. Should you require further information about the Section's activities, I shall be pleased to provide it.

Yours truly,

Mannie R. Connell
Chairman



THE INSTITUTE OF
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*from
Russ Theissen
2-1-82*

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MEMORANDUM

To Membership Development Committee

Date January 1983

From William C. Hunter, Coordinator, MDC *WCH*

DECEMBER PROGRESS REPORT

IEEE finished 1982 with the largest number of new members ever and the second highest percent growth gain for any year. IEEE membership totaled 234,076 a 5.6% increase for 12,329 additional memberships. The two factors which lead to this excellent member growth were a 10.5% increase in total new elections and a 3.7% decrease in total arrears.

Society memberships also grew at a modest rate of 4.1% to total 260,295 an increase of 10,317 society memberships. One of the factors effecting this modest society membership gain was the loss of student society memberships, (-5%, -1,890) in 1982 which is in part due to increased student society dues and fees. While societies declined in student memberships, they experienced a 6.9% increase in higher grade society memberships (11,349) and a (28.6%, 2,826) increase in Society Affiliates.

The Membership Development and Student Activities Committees will meet jointly for the first time on March 4th. There will be three workshops to focus on student membership concerns in the Regions and Societies, and the concerns of the transnational student members.

Senior Member application request forms are being received in large numbers from members renewed for 1983 - over 13,000 to date. Shortly each Section will receive a list of possible Senior Member candidates. Sections should be encouraged to contact these candidates to return their completed Senior Member applications as soon as possible. If Senior Member elevations increase significantly in 1983 this will also increase the number of possible candidates who can be awarded the grade of Fellow. Now is the time to anticipate this possibility and to submit your Fellow nominations to Corporate Services before April 30th cutoff.

For MD materials and support contact MD (201) 981-0060 Ext. 301.

jm

- cc I. Engelson
- E. Herz
- R. Schulz
- C. F. Stewart
- D. Suppers

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- Society/MD Chairman
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IEEE MEMBERSHIP SUMMARY

DECEMBER



	MEMBERSHIPS		GROWTH	% GROWTH	YEAR END GOAL		% OF GOAL	RANK
	1982	1981			#	/ %		
Region								
1	44,772	43,059	1,713	4.0%				9
2	31,095	29,785	1,310	4.4%				8
3	24,136	22,710	1,426	6.3%				4
4	22,988	21,948	1,040	4.7%				6
5	23,022	21,578	1,444	6.7%				3
6	45,454	43,133	2,321	5.4%				5
1-6	<u>191,467</u>	<u>182,213</u>	<u>9,254</u>	<u>5.1%</u>				
7	12,366	11,964	402	3.4%				10
8	12,873	11,717	1,156	9.9%				2
9	5,404	5,174	230	4.5%				7
10	11,966	10,679	1,287	12.1%				1
8-10	<u>30,243</u>	<u>25,570</u>	<u>4,673</u>	<u>18.3%</u>				
Total 1-10	234,076	221,747	12,329	5.6%	9,978	4.5%	123.5%	
Division	SOCIETY MEMBERSHIPS BY DIVISION							
I	35,812	35,071	742	2.1%				2
II	29,590	30,220	-603	-2.1%				7
III	35,802	35,305	497	1.4%				3
IV	33,325	33,467	-142	-0.4%				6
V	71,953	62,146	9,807	15.8%	7,768	12.5%	126.2%	1
VI	32,287	32,190	97	0.3%				4
VII	<u>21,525</u>	<u>21,580</u>	<u>- 55</u>	<u>-0.3%</u>				5
S Total	260,295	249,979	10,317	4.1%				
Students	40,151	37,238	2,913	7.8%				
Senior Members	22,076	21,818	258	1.2%				



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SOCIETY/DIVISION MEMBERSHIPS
DECEMBER

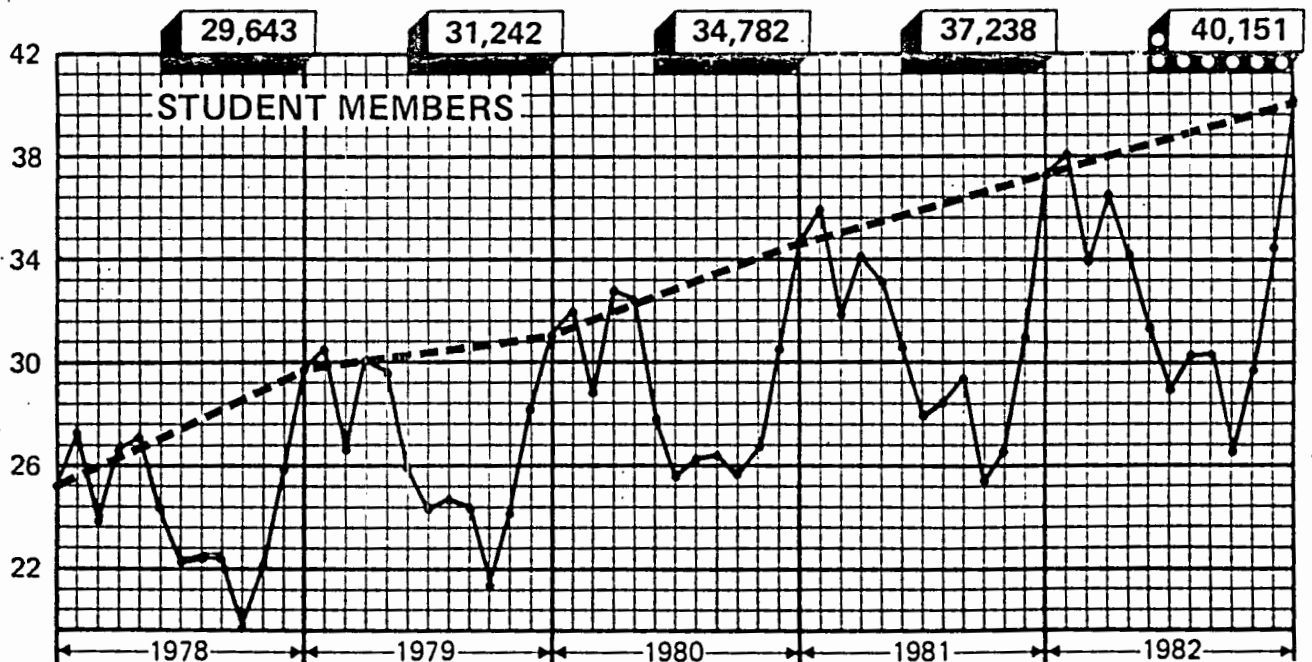
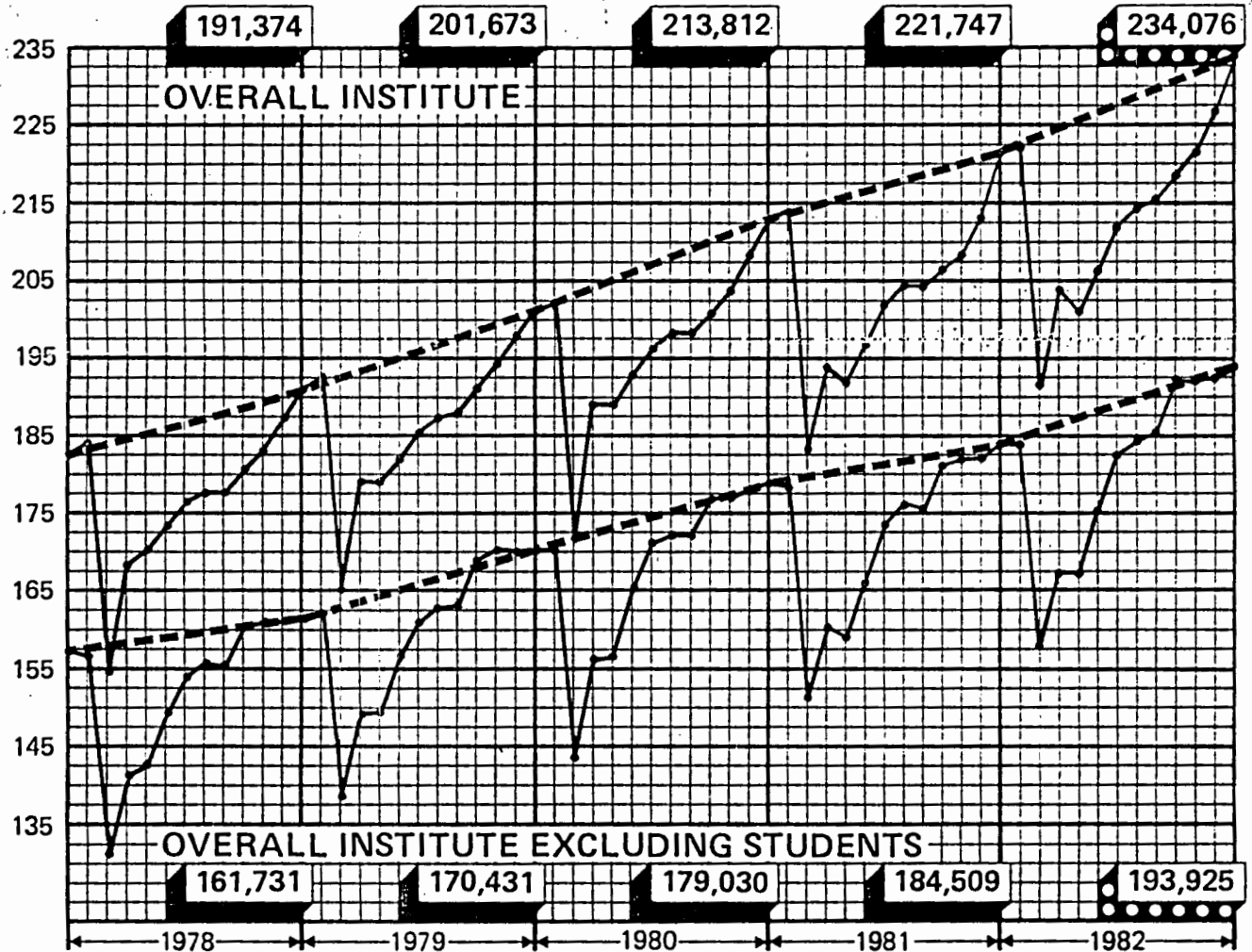
Division	MEMBERSHIPS HELD		GROWTH	% GROWTH	Year End Goal		% of # Goal	Rank Growth
	1982	1981			#	%		
I ASSP 01	9,469	9,049	420	4.7%				9
CAS 04	11,779	11,448	331	2.9%				10
IT 12	4,765	4,893	-128	-2.6%				24
CS 23	<u>9,800</u>	<u>9,681</u>	<u>119</u>	<u>1.2%</u>				13
I Subtotal	35,813	35,071	742	2.1%				
II NPS 05	3,137	3,257	-120	-3.7%				26
VT 06	2,470	2,654	-184	-6.9%				27
IM 09	5,408	5,423	-15	-0.3%				20
IECI 13	5,332	5,866	-534	-9.1%				31
EI 32	1,857	1,713	144	8.4%				2
IA 34	<u>11,386</u>	<u>11,307</u>	<u>79</u>	<u>0.7%</u>				15
II Subtotal	29,590	30,220	-603	-2.1%				
III BCCE 02	7,689	7,907	-218	-2.8%				25
AES 10	6,811	7,279	-468	-6.4%				28
COM 19	17,211	16,133	1,078	6.7%				3
EMC 27	2,195	2,188	7	0.3%				17
GRS 29	<u>1,896</u>	<u>1,798</u>	<u>98</u>	<u>5.5%</u>				6
III Subtotal	35,802	35,305	497	1.4%				
IV AP 03	5,761	5,459	302	5.5%				5
ED 15	8,761	9,572	-811	-8.5%				30
MTT 17	6,968	6,635	333	5.0%				8
SU 20	2,280	2,251	29	1.3%				11
CHMT 21	3,090	3,103	-13	-0.4%				21
MAG 33	2,796	2,816	-20	-0.7%				23
QEA 36	<u>3,669</u>	<u>3,631</u>	<u>38</u>	<u>1.1%</u>				14
IV Subtotal	33,325	33,467	-142	-0.4%				
V COMP 16	71,953	62,146	9,807	15.8%	7,768	12.5%	126.2%	1
VI R 07	3,472	3,304	168	5.1%				7
EM 14	8,215	8,192	23	0.3%				18
EMB 18	7,583	7,532	51	0.7%				16
E 25	2,322	2,323	-1	-0.05%				22
PC 26	2,422	2,288	134	5.9%				4
SIT 30	3,986	3,937	49	1.3%				12
SMC 28	<u>4,287</u>	<u>4,614</u>	<u>-327</u>	<u>-7.1%</u>				29
VI Subtotal	32,287	32,190	97	0.3%				
VII PE 31	21,525	21,580	-55	-0.3%				19
Total S	260,295	249,979	10,317	4.1%				



MEMBERSHIP PROGRESS




DEC 1982

Year end This month Five-year monthly trend

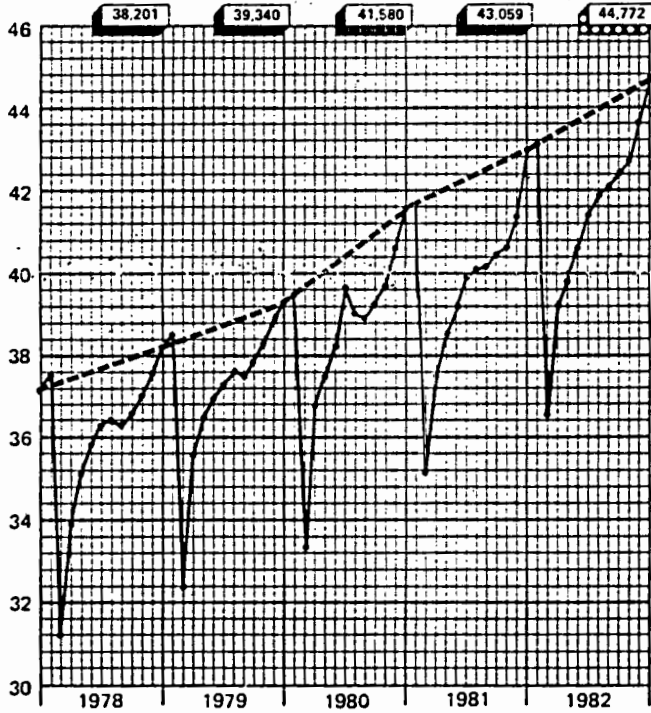


MEMBERSHIP PROGRESS

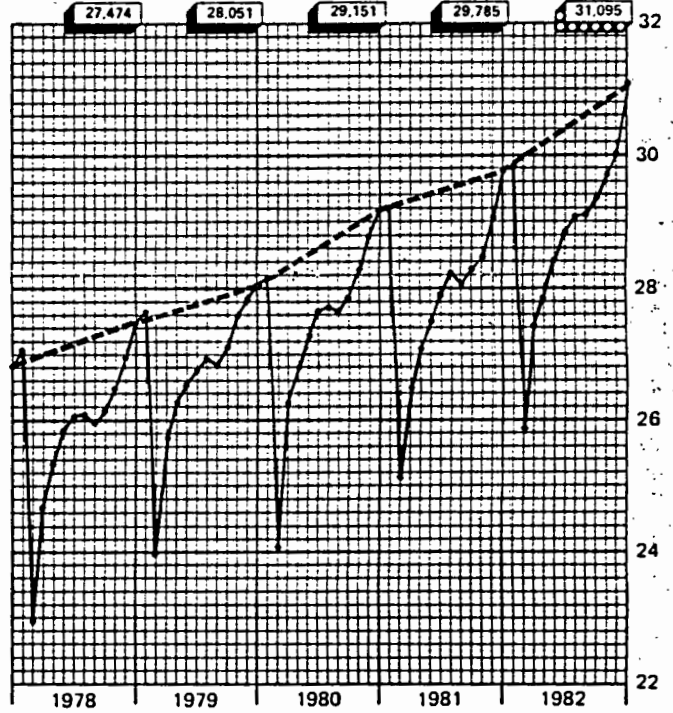
THE REGIONS

 This month
 Year end
 Five-year monthly trend

1 Northeastern Region

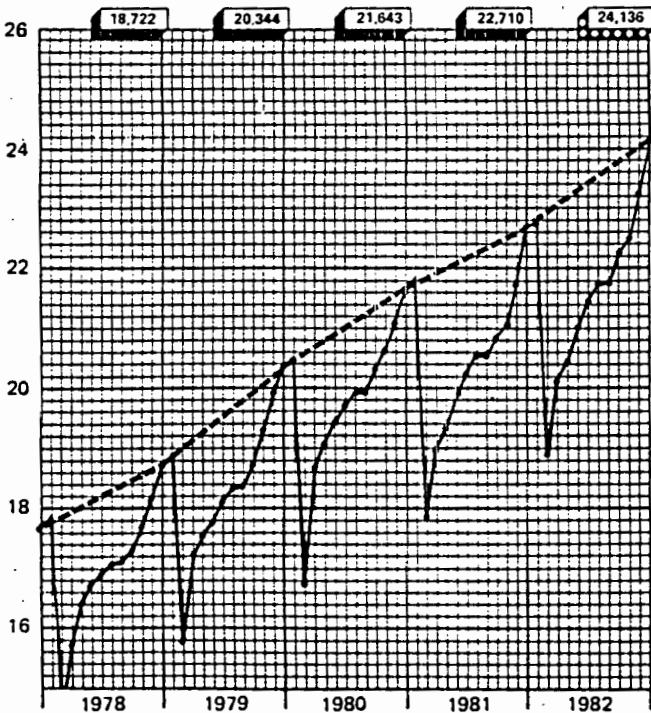


2 Eastern Region

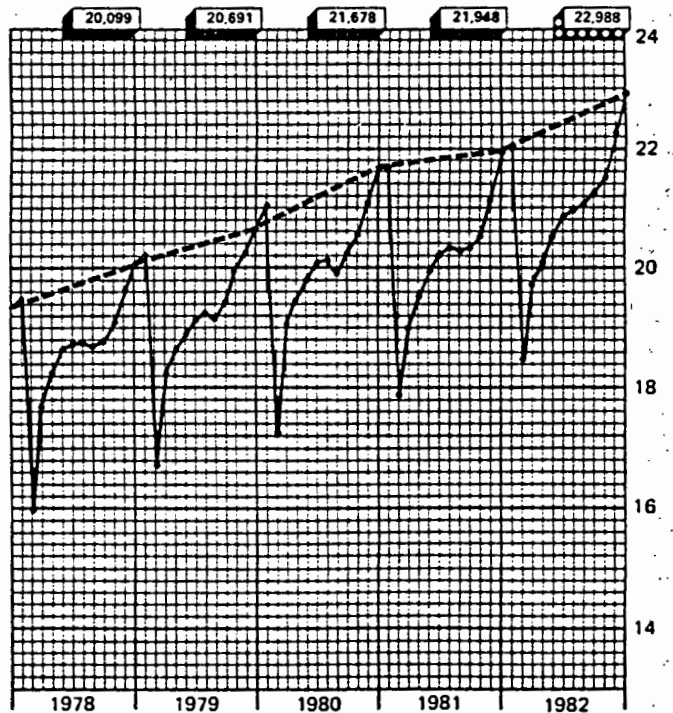


000's

3 Southeastern Region






4 Central Region

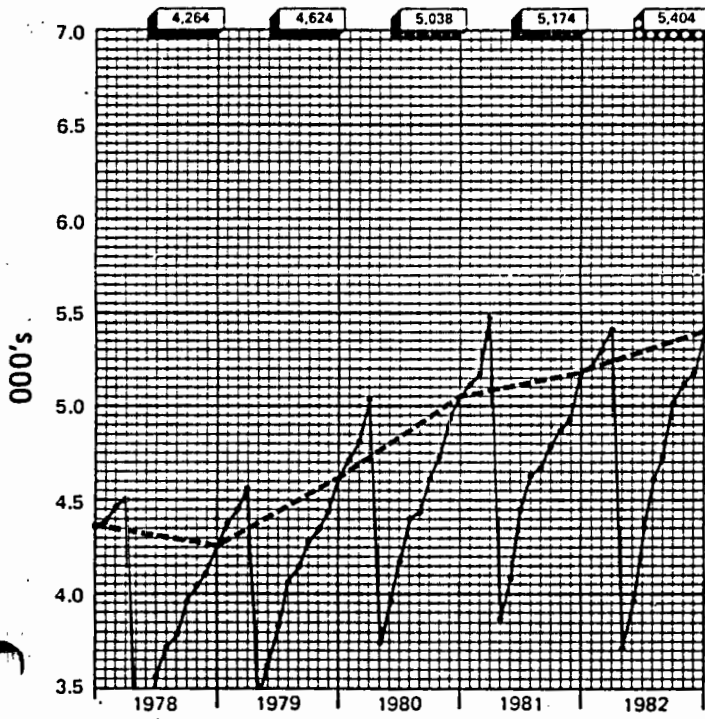


MEMBERSHIP PROGRESS

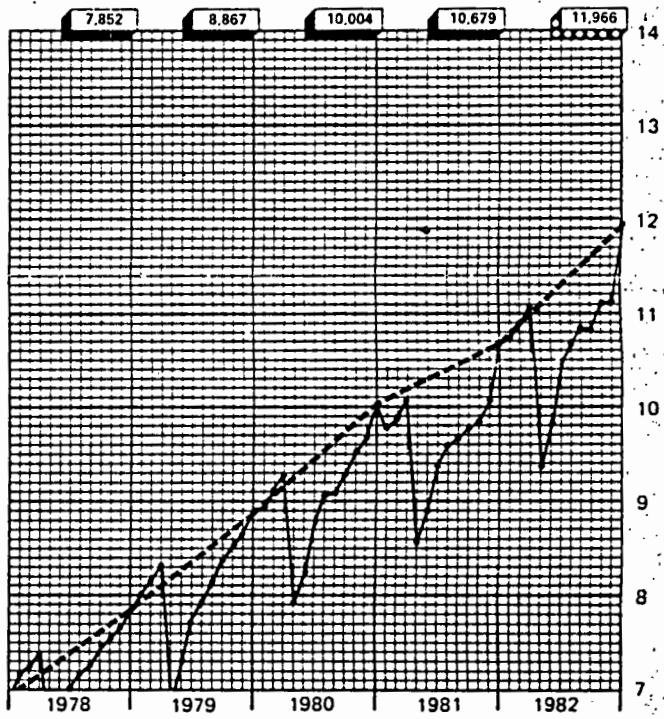
THE REGIONS

 This month
 Year end
 Five-year monthly trend

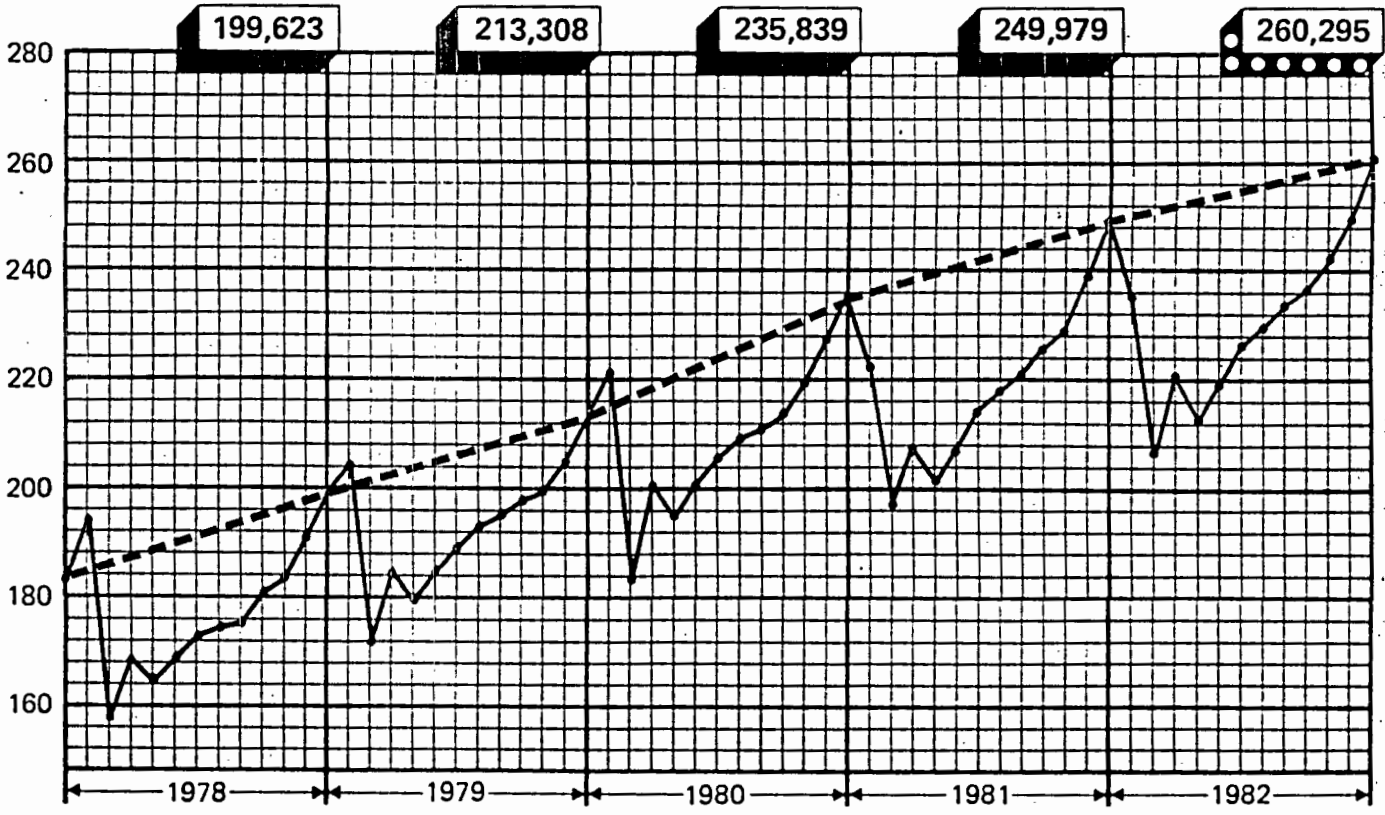
9 Latin American Region



10 East & South Asia, Oceania



THE SOCIETIES - TOTAL MEMBERSHIPS HELD



REGION 03 COUNCIL 05 SECTION 51 ADMINISTRATION MEMBERSHIP STATISTICS FOR MONTH END 12/31/82

	HM	LF	F	LS	SM	PS	LM	M	PM	LA	A
ACTIVE MEMBERSHIP 11/30/82	0	9	2	33	88	0	19	518	3	2	39
ADDITIONS ELECTIONS	0	0	0	0	0	0	0	4	0	0	0
ARREARS PAID	0	0	0	0	0	0	0	2	0	0	0
REINSTATEMENTS	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO MOVED INTO SECTION	0	0	0	0	1	0	0	0	0	0	0
CORRECTIONS TO	0	0	1	0	1	0	0	3	0	0	0
TOTAL ADDITIONS	0	0	1	0	2	0	0	9	0	0	0
DELETIONS RESIGNED	0	0	0	0	0	0	0	0	0	0	0
DECEASED	0	1	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM MOVED OUT OF SECTION	0	0	0	0	0	0	0	1	0	0	0
CORRECTIONS FROM	0	0	0	0	0	0	0	2	0	0	0
TOTAL DELETIONS	0	1	0	0	0	0	0	3	0	0	0
ACTIVE PRIOR YEAR 12/31/81 *	0	10	5	29	83	0	17	486	0	2	48
ACTIVE THIS MONTH 12/31/82	0	8	3	33	90	0	19	524	3	2	39
LOSS/GAIN *	0	2-	2-	4	7	0	2	38	3	0	9-
LOSS/GAIN PERCENTAGE *	.00	20.00-	40.00-	13.79	8.43	.00	11.76	7.81	.00	.00	18.75-
ARREARS PRIOR YEAR 12/31/81 *	0	0	0	0	1	0	0	47	0	0	14
ARREARS THIS MONTH 12/31/82	0	0	0	0	1	0	0	29	0	0	8
RESIGNED PRIOR YEAR 12/31/81 *	0	0	0	0	1	0	0	3	0	0	1
RESIGNED THIS MONTH 12/31/82	0	0	0	0	1	0	0	3	0	0	1

	3RD YR GRAD		2ND YR GRAD		R GRAD 1ST YR		STUDENT	GRAND TOTAL
	A	M	A	M	A	M		
ACTIVE MEMBERSHIP 11/30/82	0	0	1	17	1	77	56	865
ADDITIONS ELECTIONS	0	0	0	0	0	0	9	13
ARREARS PAID	0	0	0	0	0	0	0	2
REINSTATEMENTS	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO MOVED INTO SECTION	0	0	0	0	0	1	2	4
CORRECTIONS TO	0	0	0	0	0	2	1	8
TOTAL ADDITIONS	0	0	0	0	0	3	0	0
DELETIONS RESIGNED	0	0	0	0	0	0	12	27
DECEASED	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM MOVED OUT OF SECTION	0	0	0	0	0	2	1	1
CORRECTIONS FROM	0	0	0	0	0	3	1	6
TOTAL DELETIONS	0	0	0	0	0	5	2	11
ACTIVE PRIOR YEAR 12/31/81 *	0	0	0	19	4	100	71	874
ACTIVE THIS MONTH 12/31/82	0	0	1	17	1	75	66	881
LOSS/GAIN *	0	0	1	2-	3-	25-	5-	7
LOSS/GAIN PERCENTAGE *	.00	.00	.00	10.52-	75.00-	25.00-	7.04-	.80
ARREARS PRIOR YEAR 12/31/81 *	0	0	0	9	1	19	7	98
ARREARS THIS MONTH 12/31/82	0	0	1	14	0	29	13	95
RESIGNED PRIOR YEAR 12/31/81 *	0	0	1	1	0	2	0	9
RESIGNED THIS MONTH 12/31/82	0	0	0	0	0	1	0	6

GRAND TOTAL OF ALL REGIONS

ADMINISTRATION MEMBERSHIP STATISTICS FOR MONTH END 12/31/82

	HM	LF	F	LS	SM	PS	LM	M	PM	LA	A
ACTIVE MEMBERSHIP 11/30/82	6	1595	1876	4909	16977	65	3068	121481	831	263	9397
ADDITIONS											
LECTIONS	0	0	0	0	17	9	0	1107	145	0	56
ARREARS PAID	0	0	1	0	31	0	0	356	1	0	28
REINSTATEMENTS	0	0	0	1	4	0	0	66	0	0	2
GRADE TRANSFERS TO	0	1	0	0	87	0	2	44	0	0	14
CORRECTIONS TO	0	1	0	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	2	1	1	139	9	2	1573	146	0	100
DELETIONS											
RESIGNED	0	0	0	0	0	0	0	11	0	0	1
DECEASED	0	7	1	9	9	0	6	17	0	0	1
GRADE TRANSFERS FROM	0	0	1	0	1	5	0	154	34	0	16
CORRECTIONS FROM	0	0	0	0	0	0	0	3	0	0	0
TOTAL DELETIONS	0	7	2	9	10	5	6	165	34	0	20
ACTIVE PRIOR YEAR 12/31/81 *	3	1541	1865	4552	17196	70	2748	117171	590	227	9689
ACTIVE THIS MONTH 12/31/82	6	1590	1875	4901	17106	69	3064	122867	943	263	9476
LOSS/GAIN *	3	49	10	349	90-	1-	316	5696	353	36	213-
LOSS/GAIN PERCENTAGE *	100.00	3.17	.53	7.66	.52-	1.42-	11.49	4.86	59.83	15.85	2.19-
ARREARS PRIOR YEAR 12/31/81 *	0	0	13	0	443	5	0	7811	30	0	1219
ARREARS THIS MONTH 12/31/82	0	0	17	0	389	1	0	7449	54	0	1066
RESIGNED PRIOR YEAR 12/31/81 *	0	0	5	0	111	1	0	624	0	0	103
RESIGNED THIS MONTH 12/31/82	0	0	3	0	98	0	0	611	3	0	86

	3RD YR GRAD		2ND YR GRAD		R GRAD 1ST YR		STUDENT	GRAND TOTAL
	A	M	A	M	A	M		
ACTIVE MEMBERSHIP 11/30/82	21	647	299	5315	2097	23679	34502	227328
ADDITIONS								
LECTIONS	0	0	0	0	0	1	4928	6263
ARREARS PAID	0	1	1	47	5	55	220	746
REINSTATEMENTS	0	3	0	13	0	0	22	111
GRADE TRANSFERS TO	0	0	1	0	7	114	627	897
CORRECTIONS TO	0	0	0	0	0	0	0	1
TOTAL ADDITIONS	0	4	2	60	12	170	5797	8016
DELETIONS								
RESIGNED	0	0	0	1	0	3	1	17
DECEASED	0	0	0	0	0	1	1	52
GRADE TRANSFERS FROM	0	4	1	23	32	479	145	897
CORRECTIONS FROM	0	0	0	0	0	0	0	3
TOTAL DELETIONS	0	4	1	24	32	483	147	969
ACTIVE PRIOR YEAR 12/31/81 *	19	582	280	5352	1982	20642	37236	221747
ACTIVE THIS MONTH 12/31/82	22	649	300	5351	2077	23366	40151	234376
LOSS/GAIN *	3	67	20	1-	95	2724	2913	12329
LOSS/GAIN PERCENTAGE *	15.78	11.51	7.14	.01-	4.79	13.19	7.82	5.55
ARREARS PRIOR YEAR 12/31/81 *	7	125	268	2142	892	4817	5042	22614
ARREARS THIS MONTH 12/31/82	2	121	242	1878	829	4778	5146	21972
RESIGNED PRIOR YEAR 12/31/81 *	0	3	8	99	9	90	96	1149
RESIGNED THIS MONTH 12/31/82	1	7	11	91	17	83	79	1090

ON 03
SOUTHE / RN

H I G H E R G R A D E S

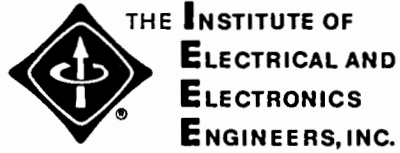
T O T A L S

*****										*****								
ABBR	SOC	PUB	H I G H E R G R A D E S						T O T A L S									
ABBR	SUB	ID	STUDENT	REG	RET	MIN	UNEMP	SUB *	AFFILS	*ACTIVE	ARREARS	ACT/ARR	EXTRA	ACTIVE	ARR	PRIOR	ACT/ARR	LTD
								TOTAL		MEMBS	MEMBS	MEMBS	CPYS	CPYS	YR	CPYS	CPYS	SRVC
		1101	30	312	2	0	4	318	0					348	82		430	
		1102	1	13	0	0	0	13	0					14	1		15	
		4201	0	11	0	0	0	11	0					11	5		16	
		4202	0	0	0	0	0	0	0						1		1	
		4301	3	3	0	0	0	3	0					6			6	
AES	10		79	381	12	1	2	396	0	475	145	620						9
		1111	76	359	10	1	2	372	0					448	138		586	
		1112	0	15	2	0	0	17	0					17	2		19	
		1351	4	6	0	0	0	6	0					10	9		19	
		1352	0	1	0	0	0	1	0					1			1	
		4201	9	21	0	0	0	21	0					30	13		43	
		4202	0	0	1	0	0	1	0					1			1	
		4301	2	2	1	0	0	3	0					5			5	
IT	12		37	179	2	1	1	183	2	222	44	266						1
		1121	37	166	2	1	1	170	2					209	43		252	
		1122	0	14	0	0	0	14	0					14	3		17	
		1351	2	7	0	0	0	7	0					9	7		16	
		1352	0	0	0	0	0	0	0					1			1	
		4201	0	3	0	0	0	3	0					3	1		4	
		4202	0	0	0	0	0	0	0					1			1	
IE	13		41	327	2	0	4	333	0	374	108	482						4
		1131	41	315	2	0	4	321	0					362	105		467	
		1132	0	11	0	0	0	11	0					11	1		12	
		4201	2	10	0	0	0	10	0					12	6		18	
EM	14		49	630	8	0	2	640	3	692	151	843						9
		1141	49	611	8	0	2	621	3					673	151		824	
		1142	0	11	0	0	0	11	0					11	3		14	
		4201	2	5	0	0	0	5	0					7	4		11	
ED	15		70	308	2	0	1	311	0	381	108	489						5
		1151	47	261	1	0	1	263	0				1	311	103		414	
		1152	0	12	1	0	0	13	0					13	3		16	
		3041	70	296	2	0	1	299	0				1	370	111		481	
		3042	0	6	0	0	0	6	0					6			6	
		4101	20	131	0	0	0	131	0					151	40		191	
		4102	0	1	0	0	0	1	0					1			1	
		4301	2	0	0	0	0	0	0					2			2	
C	16		1098	3592	32	6	17	3647	840	5585	802	6387						5
		1161	126	752	4	1	5	762	150					1038	210		1248	
		1162	1	34	1	1	0	36	3					40	8		48	
		1171	131	722	2	2	4	730	296			1		1158	226		1384	
		1172	1	26	0	0	0	26	2					29	6		35	
		1351	80	248	1	1	1	251	62					393	90		483	
		1352	1	12	0	0	0	12	0					13	2		15	
		3001	1097	3562	32	6	17	3617	840				4	5558	802		6360	

HIGHER GRADES

TOTALS

*****										*****									
ABBR	SOC SUB	PUB ID	STUDENT	REG	RET	MIN	UNEMP	SUB TOTAL	AFFILS	*ACTIVE MEMBS	ARREARS MEMBS	ACT/ARR MEMBS	EXTRA CPYS	ACTIVE CPYS	ARR YR	PRIOR CPYS	ACT/ARR CPYS	LTD SRVC	
		3002	2	45	1	0	0	46	2					50	9		59		
		3061	124	552	4	0	0	556	211				1	892	161		1053		
		3062	1	19	0	0	0	19	2					22	3		25		
		3071	226	1118	7	2	4	1131	168				2	1527	229		1756		
		3072	2	31	0	0	0	31	4				1	38	7		45		
		4101	16	122	1	0	0	123	10					149	49		198		
		4102	0	10	0	0	0	10	0					10	4		14		
		4201	10	28	0	0	0	28	7					45	18		63		
		4202	0	1	0	0	0	1	0					1			1		
		4301	3	9	0	0	0	9	0					12			12		
		4302	0	2	0	0	0	2	0					2			2		
MTT	17		75	390	2	0	1	393	0	468	76	544							
		1181	74	385	1	0	1	387	0					461	75		536		
		1182	1	7	1	0	0	8	0					9			9		
		4101	9	45	0	0	0	45	0					54	9		63		
		4301	3	5	0	0	0	5	0					8			8		
EMB	18		150	392	7	0	4	403	12	565	117	682						3	
		1191	149	376	6	0	4	386	12					547	117		664		
		1192	1	13	1	0	0	14	0					15	3		18		
		1351	1	12	0	0	0	12	0					13	5		18		
		1352	0	1	0	0	0	1	0					1			1		
		1381	14	32	2	0	1	35	0					49			49		
		4201	3	3	0	0	0	3	0					6	6		12		
		4202	0	0	0	0	0	0	0						1		1		
COM	19		169	1053	16	0	7	1076	6	1251	221	1472						29	
		1201	167	1008	15	0	7	1030	6				1	1204	220		1424		
		1202	0	19	0	0	0	19	0					19	2		21		
		1411	17	75	1	0	0	76	0					93			93		
		1412	0	1	0	0	0	1	0					1			1		
		4101	4	31	0	0	0	31	0					35	10		45		
		4102	0	2	0	0	0	2	0					2			2		
		4201	3	15	0	0	0	15	0					18	5		23		
		4301	1	3	0	0	0	3	0					4			4		
SU	20		18	84	4	0	1	89	0	107	13	120						4	
		1211	14	70	3	0	1	74	0					88	12		100		
		1212	0	7	1	0	0	8	0					8			8		
		1351	0	1	0	0	0	1	0					1	1		2		
		1352	0	1	0	0	0	1	0					1			1		
		1381	0	3	0	0	0	3	0					3			3		
		4101	5	7	1	0	0	8	0					13	4		17		
		4102	0	1	0	0	0	1	0					1			1		
		4201	0	4	0	0	0	4	0					4	2		6		
		4202	0	0	1	0	0	1	0					1			1		
		4301	0	1	0	0	0	1	0					1			1		
CHMT	21		14	157	2	1	1	161	0	175	37	212						2	



PLEASE REPLY TO:

1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

February 17, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, March 1, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

Frank Fluet
Secretary
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: February 1, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees:	Frank Fluet	J. L. Massett
	George F. McClure	G. C. White
	Angela Palmer	Bill Kownacki
	Carl F. Schunemann	David E. Flinchbaugh
	Mickey Mindock	John D. Gilbert
	Wm. C. Cram	Russ Theison
	George B. Taack, Jr.	Ed Ellis
	Don Mendorf	Mannie Connell

Minutes:

1. Meeting was called to order at 5:37 PM by Chairman, Mannie Connell.
2. Treasurer's Report - Don Mendorf:

Bills have been received from the square dance caller and Florida Power (Bear Lake recreation area) for cancellation fees concerning the barbeque. Total bills amount to \$155.

Motion was made by George Taack to approve payment of the outstanding bills for the cancelled barbeque. Motion was seconded by Ed Ellis and carried.

The following Treasurer's report was submitted:

<u>BALANCE 1/4/83</u>	Checking Account	\$ 358.92
	Dreyfus Fund	14,122.96
		<u>\$14,481.88</u>
 <u>INCOME</u>		
Dreyfus Fund Quarter	\$356.35	
 <u>EXPENSES</u>		
Frank Fluet Postage	\$ 26.80	
Joe Massett Postage	10.15	
D. Flinchbaugh AES		
Two Speakers	150.00	
G. McClure		
Word Processing Software	125.35	
	<u>\$312.30</u>	
 Transfer from Dreyfus Fund to Checking	 \$1,000.00	
 <u>BALANCE</u>	 Checking Account	 \$ 1,046.58
	Dreyfus Fund	13,479.31
		<u>\$14,525.89</u>

Ed Ellis moved that any expenses in excess of \$50.00 should be approved beforehand by the Executive Committee. Motion seconded by Bill Cram. Motion carried.

George Taack then moved to budget an honorarium of up to \$150.00 for the Awards Banquet speaker. Seconded by Ed Ellis. Motion carried.

George McClure moved to approve the treasurer's report. Bill Cram seconded. Motion carried.

2. Secretary's Report - Frank Fluet:

Review of the minutes: George McClure corrected the next to last paragraph of the minutes of last meeting. Changing: "Ed Ellis will pursue this with Florida Council" to: "George McClure will pursue this with Florida Council". (See item 4 of George McClure's report, below).

3. Publications - Gerry White:

All material for February notes will be at the printers by Friday. Gerry moved that the February Section Notes be skipped because of this delayed delivery of copy and the deadline be shifted to Feb. 12th for the March Section Notes.

Bill Cram seconded.

After discussion, Gerry amended his motion to read that January Section Notes which are just back from the printers and have not been mailed out yet will have inserted in them the most recent meeting notices (which will be printed up quickly). Amended motion seconded by John Gilbert. Amendment and motion both carried.

4. Awards - Joe Massett:

The following Societies have submitted nominations for Orlando Section Outstanding Engineer or Outstanding Chapter Chairman: Communication, Computer, and Electron Divices. Nominations are forthcoming from AES, AP/MTT, PE/IA, Senior Student and Graduate Student.

The Section's nomination of Dr. E. Erickson for FES Engineer of the Year has been completed. Voting on nominations will be by the Executive Board Awards Chairman and past chairmen at Joe Massett's house on Tuesday, Feb. 8th, 1983.

5. Program Chairman

George Taack volunteered to take over the responsibilities of Program Chairman.

6. Professional Activities Committee - John Gilbert:

Russ Theisen, through a motion, requested approval of giving an "IEEE ORLANDO MEMBER" cup to each member of the IEEE Board of Directors at a recent meeting. The cost to the Section would be approximately \$48.00. Seconded by Ed Ellis, motion carried.

7. Membership Development - Frank Fluet (for Don Sullivan):

Don is compiling the summary of Orlando Section membership activity for the last two months. He will also gather the data for the summary of 1982 membership activity for publication in the Section Notes shortly.

8. Advertising Manager - Bill Kownacki:

Bill expects approximately \$450.00 income from Section Notes advertising.

The following information applies to the IEEE Orlando Section Notes:

CIRCULATION: 1100; 950 in the greater Orlando area.

ADVERTISING RATES: Black and white, per insertion, effective Sept. 1, 1982:

Size:	Inches:	1-2 insertions:	3-10 insertions same copy
One page	5x8	\$65.00	\$60.00
3/4 page	5x6	55.00	50.00
1/2 page	5x4	40.00	35.00
1/4 page	5x2	25.00	20.00
Photograph half-tones:	\$10.00		

CLOSING DATES:

Please make space reservations by the first of the month preceding publication. Black and white, positive copy should be received by the tenth of the month preceding publication.

Contact: William A. Kownacki 275-2318.

9. Historian - Russ Theisen:

Mannie Connell has the Section's IEEE banner.

10. SOUTHEASTCON - Russ Theisen:

Some problems have surfaced in correctly printing some of the material for the proceedings. Also some fifty papers are past the deadline. February 12th is the next meeting date.

11. AES - Dave Flinchbaugh:

About 23 people were at the Robotics Seminar sponsored by SME, "Introduction to Applied Robotics and Automation".

Seven papers have been received for the Robotics session of SOUTHEASTCON.

12. Communications - George Taack:

A meeting was held on January 19, 1983 at the Bell offices on North Orange in Orlando on the divestiture of AT&T. It was jointly sponsored by Communications, MTT, and Electron Devices. Mr. Bill Amidon and Mr. Ed Olsen, both District Managers of Southern Bell, were the speakers. The meeting was attended by 11 IEEE members and 31 guests for a total of 42 people.

Ed Ellis has been nominated by the Communication's Chapter for the Section Engineer of the Year award.

Future meetings have not been finalized enough to discuss at this time.

13. Electron Devices - Mickey Mindock:

The Electron Device Society is off to a good start in 1983. We had our first meeting jointly with MTT and the Computer Society on 17 January, featuring speakers from AT&T. Forty-two people attended the meeting.

On 17 February, Mr. Dick Bruning, Chief Council of Martin Marietta Orlando will give a talk at Hewlett Packard on Engineering and Fixed Price Contracts. Mr. Bruning is a very dynamic speaker and I urge your attendance at the meeting.

On 1 March 1983, we will have a presentation from Malcolm Russ, Vice President and General Manager of Wacker, who will discuss Wacker's silicon growing facility in Portland. This promises to be a very informative meeting.

Your Officers will be arranging other meetings which we think will be of interest to you on such topics as Electron Beam Photolithography, Device Processing and Characterization. To serve you better, we would like your suggestions. If you have any ideas, please contact Dick Zanowick at 352-2914.

In addition, because of the small size of the Chapter and in an attempt to broaden the base and offer greater diversity in our meetings, your Officers are attempting to expand the geographical influence to include Electron Device members throughout the State and other parts of the Southeast. We are hoping that the Society can become a focal point for the growth of semi-conductor technology in the State of Florida. We are also attempting to organize special session(s) at the 1984 SOUTHCON. Our hopes are to begin a local Custom Solid State Device Conference which could expand into a National Conference. A planning meeting for these activities is to be held April 12, 1983 at the SOUTHEASTCON meeting.

In all, we're looking forward to some interesting activities in the future and we would like to encourage your participation.

In addition, we are looking for new members. If you know of a colleague who may be interested in our activities, please contact Don Malocha at 275-2414 for further membership information.

14. AP/ATT - Carl Schunemann (for Al Fowler):

I am pleased to announce that for our February 24th meeting we have Dr. Robert W. McMillan of Georgia Institute of Technology. You'll note that Bob is a Martin alumnus so all you Martin fellows will have a chance to review old acquaintances.

Our meeting will be at Hewlett Packard on Lake Eleanor Drive at 5:15 P.M., on the 24th of February. After the meeting we will be honoring Dr. McMillan at dinner at Gary's. Dr. McMillan will be accompanied by his

wife, Ann. Reservations are not necessary; however, if you wish to join us for dinner please advise us by calling either Al Fowler, 678-2141, Carl Schunemann, 352-4366 or Larry Pack, 857-2591.

Tentative Meeting Schedule for 1983:

- January - Joint meeting with Communications Society
Re: Reorganization of AT&T
- February 24 - Bob McMillan of Georgia Institute of Technology will speak on "A Full Waveguide Band MM Synthesizer in 40-60 GHz Band and on Measurement of Turbulence Effects on MM Wave Propagation. Meeting will be held at Hewlett Packard Facility on Lake Eleanor Drive at 5:15 P.M.
- March 16 - Bruce Hudson of Scientific Atlanta will talk on "Hi Sensitivity Measurements of Millimeter Wave Antennas". Meeting will be held at Court of Flags at 5:15 P.M. Refreshments will be provided courtesy of Scientific Atlanta.
- April - Nothing Scheduled.
- May 26 - Robert K. Crane, Research Professor of Engineering at Dartmouth College, will speak on "Propagation Phenomena Affecting Millimeter Wave Communications Systems. Meeting will be at 5:15 P.M., with location to be determined later.

15. Student Branch - Angela Palmer:

The IEEE student branch at UCF has purchased an Atari 400 computer. We would like to extend its capabilities. This year we are using it for speech synthesis on our Engineering Fair project - a robot.

Below is a list of the uses of the expanded system.,

1. Continuing Engineering Fair Project for several years.
2. Continuing education for students.
3. Increase memberships through mailouts, displays on IEEE.

The equipment which we would like to purchase is listed below with approximate prices.:

Software phonetics	\$ 60.00
Expansion interface	170.00
Cassette Recorder	60.00
Assembler 6502	60.00
48K RAM	75.00
Total	\$425.00

Joe Massett moved to supply \$500.00 to the Student Branch for the expenses outlined above. Seconded by Mickey Mindock.

Angela stated that their immediate needs were for more memory and a data storage device.

Bill Kownacki amended the motion to read \$150.00 (instead of \$500) to cover the expenses of the cassette recorder and 48K RAM expansion. Amendment seconded by Gerry White. Amendment carried. Amended motion carried.

16. The following additional reports have been received:

16A. Report to Orlando Section from George McClure, 1 February 1983.

1. Research into the growth of Orlando Section showed a 44.9% gain in 4.5 years, or 8.59% per year, compounded, compared with Region 3 growth last year of 6.27%.

While the number of senior and life senior members grew by 30 during this period, most of the increase was life seniors who retired to Central Florida. We still need to emphasize upgrading of membership by qualified members within the Section.

2. The Membership Development Chairman, Don Sullivan, is unable to attend Executive Committee meetings because of a class he is taking on Tuesdays. That will be concluded shortly; however, he has a job offer up north and a new wife from New York and expects to leave the area shortly. We need to line up a new Membership Development person.
3. SOUTHEASTCON '83 has sold 6 exhibit booths thus far, with additional inquiries being received regularly. Raytheon has not signed up yet, but says they are planning to exhibit the Patriot missile system. Martin Marietta has declined to participate as an exhibitor. A second mailing to the 400-name address list is in preparation.
4. The Florida Revenue Commission has been contacted about qualifying for exemption from the Florida Sales Tax, as a non-profit educational organization. A copy of the application has been supplied to Don Mendorf for the Section, and the matter will be taken up with the Florida Council, since all twelve Sections in Florida can be treated the same. The application requires information about the tax status of the parent organization, so would require cooperation from Hq. to complete. Sales of goods, such as coffee cups, to the members would require the collection and transmittal of sales tax, even if other items, such as the printing of our Section Notes were tax exempt.
5. The first edition of the Florida Council Newsletter has been sent to all Florida Sections (chairman, vice-chairman, PACE chairmen, and newsletter editors) by the FCIEEE newsletter editor and FCIEEE Vice Chairman, George McClure. The Newsletter will be published quarterly to keep Florida Sections' leadership informed of actions and deliberations by the FCIEEE.
6. One proposal raised at the FCIII meeting in December was the establishment of a PAC (Political Action Committee) to influence legislation by contributing to election funds for candidates. A problem exists if this could be considered as lobbying, since that is not allowed for tax-exempt organizations; no contributions to qualified candidates for political office can be deducted as a 50% rate up to a deduction of \$100 (single) or \$200 (joint return).

- 16B. Russell E. Theisen has won the Institute of Electrical and Electronic Engineers (IEEE) "1983 OUTSTANDING SERVICE AWARD".

This annual Regional award is made to the individual selected from the 25,000 IEEE members in Region 3 who has made the most significant contribution to IEEE and the Engineering Community.

Mr. Theisen is in the Martin Marietta Systems Software Department and is responsible for the ADATS Engineering test systems development.

For IEEE he has held over 35 offices at the local, state, region, and national levels. Presently, he is the Computer Society's National representative on Membership and Chapter development and the General Chairman of the SOUTHEASTCON '83 conference to be held April 11 through 13, 1983 in Orlando, Florida. He also is the STANDING COMMITTEE Chairman for TUTORIAL WEEK EAST, the annual week long technical seminar held in Orlando the first week of April. Mr. Theisen is listed in "WHO'S WHO in America" and "WHO'S WHO in the South" 1982, 1983.

- 16C. A short course announcement from Fred Simons:

A DIGITAL SIGNAL PROCESSING WORKSHOP

OBJECTIVES:

The advancements in VLSI and digital technologies have resulted in rapidly expanding opportunities and markets for digital signal processing applications. Image processing, signal design/identification, filtering, digital dynamic controllers are just a part of a long and growing list of application areas. However, practicing engineers find it difficult to function in these areas because broad background areas are required, e.g., filtering, digital hardware/software, discrete modeling, sampling, digital filters, FFT's, etc. This workshop will present the material needed by practicing engineers to "transition" into the digital control and digital signal processing areas of work.

DATES AND TIMES:

Wednesday - Friday, February 2-4, 1983. To accomodate work schedules, the workshop will run from 1-9 P.M. on Wednesday and Thursday. On Friday, the time is 9 A.M. to 4:30 P.M.

MATERIAL:

Texts: A Digital Signal Processing Test and The Intel 2920 Analog Signal Processor Design Handbook
Notes: Discrete Modeling and Difference Equations
Papers: Discrete Model and Digital Filter Handheld Computer Program Aids

SUBJECTS:

- . Review of Continuous Models
- . Introduction to $H(z)$ Discrete Models and Difference Equations
- . Review of Analog Filters with Design Techniques
- . Sampling and Conversion Concepts and Techniques
- . Digital Filter and/or Controller Design and Synthesis - including Hardware Implementation Alternatives on Microprocessors

- Introduction to FFT Algorithms and Their Applications to Signal and System Identification

SPECIAL FEATURES:

- A Complete Filter Design, from Specification to Implementation with the Intel 2920, a Single Chip Processor
- Specialized Handheld Computer Programs that Serve as H(z) (Discrete System) Model Analysis Tools or as Aids to Signal Processor Designs
- An Overview of Digital Signal Processing Equipment and Software

INSTRUCTORS:

- Dr. Fred O. Simons, Jr., PE, Professor of Engineering, UCF
- Dr. Richard C. Harden, PE, Professor of Engineering, UCF
- Mr. Robert Martin, Assistant Professor, UCF
- Mr. Madjid Belkerdid, Assistant Professor, UCF

LOCATION:

UCF South Orlando Campus in Orlando Central Park, 7300 Lake Ellenor Drive

FEE:

IEEE Members - \$225 per registrant; non-members \$295 per registrant (10% discount for three or more registrants from same company)

SPONSORS:

University of Central Florida and IEEE

CONTACT:

Complete registration form and mail check to University of Florida, College of Extended Studies, Orlando, Florida, 32816 or for telephone registration - (305) 275-2123

ENROLLMENT WILL BE LIMITED!!!!

REGISTER EARLY - TEXT MUST BE ORDERED!!!!

17. Ed Ellis moved for adjournment, Don Mendorf seconded. Meeting adjourned at 7:41 PM.

Next meeting will be at same location, Tuesday, March 1, 1983.

3-1-83

(B)

TREASURER REPORT 3/1/83

BALANCE 2/1/83

CHECKING ACCOUNT	\$1,046.62
DREYFUS FUND	\$13,479.31
	<u>\$14,525.93</u>

INCOME

HP ADD	\$120
SME REPAYMENT	91
AWARDS DINNER RECEIPTS	585
AD PAYMENTS	135
	<u>\$931</u>

EXPENSES

A.K. FOWLER MEETING	\$ 36.16
G. TRACK POSTAGE	9.55
A. PALMER STUDENT PROJECT	150.00
J. HUCKO SQUARE DANCE CALLER	80.00
FLORIDA POWER EMP. ASSOC.	
BAR-B-Q CLUB HOUSE	75.00
POSTMASTER POSTAGE FEES	200.00
J. MASSETT AWARDS COST	185.92
AWARDS DINNERS IMPERIAL HOUSE	718.43
SAMIOVLE HOUSE PRINTERS	
JAN. NOTES	367.50
	<u>\$1,822.56</u>

IEEE EXPENSES STATEMENT OF ACCOUNT

[\$90.68]

BALANCE 3/1/83

CHECKING ACCOUNT	\$ 155.06
DREYFUS FUND	\$13,479.31
	<u>\$13,634.37</u>

0405A/0042A

(E)

The 1983 Orlando Section awards banquet was held Friday, 25 February 1983 at the Imperial House, Winter Park, Fl. Approximately 60 IEEE members and guests were served a prime rib dinner followed by the awards ceremony. The guest speaker, Richard Skroft, manager of the General Electric robotics facility in Plymouth, Fl., closed out the evening.

Awards were presented to the following people:

- Mr. David Flinchbaugh - Orlando Section Engineer-of-the-Year and AES nominee
- T.E. (Ed) Ellis - Communications Society Engineer-of-the-Year nominee
- Kevin Ford - Electron Device Society Engineer-of-the-Year nominee
- Mr. Gerry White - Computer Society Engineer-of-the-Year nominee
- Andrew Lee - UCF Senior Student-of-the-Year
- David Kotick - UCF Graduate Student-of-the-Year
- Mickey Hindock - Chapter Chairman of the Year (Electron Device Society)

a certificate of appreciation
In addition, Award was presented to Mr.
Ben Patry and George McClure for their
service as Section ~~of~~ Chairmen.

~~I~~ presently have

1 Mar 83

(C)

Advertising

a. two ads available for Section Notes, three others ^{are} "Possible"

b. Ad deadline for ^{the} April issue: 11 Mar 83

^{I have} c. received suggestions for increasing ads.

d. \$160 ^{has been received as payment for ads.} ~~paid toward ads~~

Not for publication

HP, Pen-Tech

Possible Col-ins-co, CP&F, Tektronix

\$330 billed & probable

Not for publication

Bill Kownacki

3-1-83

D

SOUTHEASTCON REPORT

Advance Programs were mailed to about 23,000 people, primarily within Region 3. There are only 6 or 7 exhibitors who have contracted for booths, but George McClure is still optimistic, and mailed information in February to approximately 350 potential exhibitors. The technical program and publication of the proceedings appear well under control, except that there have been close to 30 papers either late in arriving or withdrawn. The program for student activities is falling behind schedule, and requires concentrated effort. There is no report to date on status of advanced registration.

Volunteers are still being sought for the days of the conference. Please contact Ben Paty if available.

1 MARCH 83

COMPUTER SOCIETY

THE PLANNED 29 MARCH MEETING HAS FALLEN THROUGH DUE TO ^{the} SPEAKER CANCELING OUT.

ON MAY 17 DR ROGER CHEUNG OF HARRIS CORPORATION WILL SPEAK ON COMMUNICATIONS SOFTWARE.

ON JUNE 14 WE ARE PLANNING TO TOUR THE ^U/₆ ROBOTICS FACILITY IN PLYMOUTH FL.

CLARK HAY

G

28 February 1983

Dear Electron Device Society Member,

On the 17th of February, we had our second meeting of the year. Mr. Richard C. Bruning of Martin Marietta gave an excellent talk on risk and change in the fixed price environment. Eighteen people attended the meeting.

R. M. Mindock has agreed to serve on the program committee for the Southcon Conference to be held in Orlando in January 1984. Mr. Ed Hall has agreed to submit a Southcon session proposal on infrared devices and Mr. Cal Watts has agreed to submit a proposal on millimeter wave devices. These and other Southcon session proposals will be discussed between 7 and 9 p.m. on April 12, 1983, at the Sheraton Twin Towers.

In an effort to expand our activities, statewide contacts have been made with individuals at Harris Semiconductor and with members of the American Vacuum Society from Tampa. We hope that cooperative activities can be developed in the future. In addition, a mailing list of Statewide Electron Device Society members was ordered from the IEEE Field Office, unfortunately only the Orlando section was provided. Another request for the Statewide list has been submitted.

Future meetings for the society include Dr. Scott Duncan from Martin Marietta Laboratories, who will speak on metal silicide formation. The meeting will be held at the University of Central Florida on March 23, 1983 (see attached notice). In addition, attempts are being made to obtain our east coast national lecturer, Professor Lester Eastman, and Mr. Dirk Hanson, author of The New Alchemist. Planning is also beginning on our annual dinner meeting, which we hope to schedule for late May.

Mickey Mindock
Chapter Chairman

MEETING NOTICE
IEEE ELECTRON DEVICES SOCIETY

DATE: Wednesday, 23 March 1983

PLACE: University of Central Florida - Engineering Building
Room 121

TIME: 5:30 p.m.

TOPIC: Metal - Silicide Formation

SPEAKER: Dr. Scott W. Duncan
Scientist
Martin Marietta Laboratories
Baltimore, MD

ABOUT THE SPEAKER:

Dr. Duncan received the B. S. in Physics in 1973 and the the PhD in Physics in 1978 from Johns Hopkins. From 1978 to 1981, he was employed at Semi-Films, developing components for magnetic recording. Since joining Martin Marietta Labs in July 1981, he has been involved in micro-wave devices and currently is a principal investigator in submicron electronics technology.

Individuals who would like additional information please contact Mickey Mindock 352-2776 or Dick Zanowick 352-2914

From The Desk Of:
T. E. ELLIS

(H)

3-1-83

Stromberg-Carlson
ENGINEERING DEVELOPMENT CENTER
Longwood, Florida
Telephone (305) 339-1600

New Business

George M. Clure has been contacted by the national chairman of the IEEE Society of Instrumentation and Measurement. If there is sufficient interest, they would like to see a local chapter formed. George also suggested to the chairman that they might want to have their Instruments and Measurements Technology Conference in Orlando in late 1984 or early 1985.



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

March 24, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, April 5, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

I have requested of IEEE a printout of our membership for each Society. I should receive them in mid-April and will distribute them to the Society Officers at the following Executive Committee Meeting.

Sincerely,

A handwritten signature in cursive script that reads "Frank Fluet".

Frank Fluet
Secretary
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: March 1, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees:	Frank Fluet	G. White
	Mannie Connell	Carl F. Schuenman (for Al Fowler)
	Ed Ellis	Bill Kownacki
	Wm. C. Cram	John Gilbert
	George B. Taack, Jr.	Joe Massett
	D. R. Mendorf	David E. Flinchbaugh
	Clark Hay	

Minutes:

1. Meeting was called to order at 5:38 PM by Chairman, Mannie Connell.
2. Treasurer's Report - Don Mendorf:

<u>BALANCE 2/1/83</u>	Checking Account	\$ 1,046.62
	Dreyfus Fund	13,479.31
		<u>\$14,525.93</u>

INCOME

HP Ad	\$ 120
SME Repayment	91
Awards Dinner Receipts	585
Ad Payments	135
	<u>\$ 931</u>

EXPENSES

A. K. Fowler Meeting	\$ 36.16
G. Taack Postage	9.55
A. Palmer Student Project	150.00
J. Hucko Square Dance Caller	80.00
Florida Power Emp. Assoc.	
BAR-B-Q Club House	75.00
Postmaster Postage Fees	200.00
J. Massett Awards Cost	185.92
Awards Dinners Imperial House	718.43
Seminole House Printers	
Jan. Notes	\$ 367.50
	<u>\$1,822.50</u>

IEEE EXPENSES STATEMENT OF ACCOUNT

[\$90.68]

<u>BALANCE</u>	Checking Account	\$ 155.06
	Dreyfus Fund	13,479.31
		<u>\$13,634.37</u>

Motion to approve Treasurer's report was made by Frank Fluet seconded by George Taack. Motion carried.

3. Motion was made to accept previous meeting's minutes by Don Mendorf seconded by George Taack. Motion carried.
4. Awards Committee - Joe Massett:

The 1983 Orlando Section Awards Banquet was held Friday, 25 February 1983 at the Imperial House, Winter Park, FL. Approximately 60 IEEE members and guests were served a prime rib dinner followed by the awards ceremony. The guest speaker, Richard Schroft, Manager of the General Electric robotics facility in Plymouth, FL, closed out the evening.

Awards were presented to the following people:

- | | |
|-----------------------|--|
| Dr. David Flinchbaugh | - Orlando Section Engineer-of-the-Year and AES nominee |
| T. E. (Ed) Ellis | - Communications Society Engineer-of-the-Year nominee |
| Kevin Ford | - Electron Device Society Engineer-of-the-Year nominee |
| Dr. Gerry White | - Computer Society Engineer-of-the-Year nominee |
| Andrew Lee | - UCF Senior Student-of-the-Year |
| David Kotick | - UCF Graduate Student-of-the-Year |
| Mickey Mindock | - Chapter Chairman-of-the-Year (Electron Device Society) |

In addition, a Certificate of Appreciation award was presented to Dr. Ben Patz and George McClure for their service as Section Chairmen.

5. Membership Development - Mannie Connell (for Deen Khandelwal):

Orlando Section now has 881 total membership as of 12-31-82. We need 9 more new members to meet our goals for 1983.

6. Advertising - Bill Kownacki:

- a. I presently have two ads available for Section Notes, three others are "possible".
- b. Ad deadline for the April issue: 11 Mar 83
- c. I have received suggestions for increasing ads.
- d. \$160 has been received as payments for ads.

7. SOUTHEASTCON - Ed Ellis:

Advance programs were mailed to about 23,000 people, primarily within Region 3. There are only 6 or 7 exhibitors who have contracted for booths, but George McClure is still optimistic, and mailed information in February to approximately 350 potential exhibitors. The technical program and publication of the proceedings appear well under control, except that there have been close to 30 papers either late in arriving or withdrawn. The program for student activities is falling behind schedule, and requires concentrated effort. There is no report to date on status of advanced registration.

Volunteers are still being sought for the days of the conference. Please contact Ben Patz if available.

8. AES - Dave Flinchbaugh:

The NAECON conference is coming up in May in Dayton. Dave has received a number of robot oriented papers for this conference.

9. Communications - George Taack:

A speaker from Harris R.F. of Rochester, NY, has been lined up to talk on cellular radio. Date and locations will be announced later.

10. Programs - George Taack:

Dr. Sally Ride may speak at the Installation banquet on June 25th. She is the first woman astronaut scheduled to ride on a shuttle (shuttle #7). However, if #6's delay affects #7's flight, timing may not permit her speaking at that meeting.

11. Computer Society - Clark Hay:

The planned 29 March meeting has fallen through due to the speaker cancelling out. On May 17th, Dr. Roger Cheung of Harris Corporation will speak on Communications Software. On June 14th we are planning to tour the GE robotics facility in Plymouth, FL.

12. Electron Devices - Mannie Connell (for Mickey Mindock):

On the 17th of February, we had our second meeting of the year. Mr. Richard C. Bruning of Martin Marietta gave an excellent talk on risk and change in the fixed price environment. Eighteen people attended the meeting.

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13. MTT - Carl Schunemann (for Al Fowler):

On May 26th at Hewlett Packard on Lake Elenor Dr., Robert K. Crane, Research Professor of Engineering at Dartmouth College, will speak on "Propagation Phenomena Affecting Millimeter Wave Communications Systems". The meeting will start at 5:15 P.M.

14. Old Business:

A. The tabled motion from last meeting (concerning Fred Simons proposed Simulations seminar at UCF pending detailed plan from Fred) was re-tabled. Don Mendorf moved to table, seconded by Bill Cram. Motion carried.

15. New Business:

A. Ed Ellis presented the following:

George McClure has been contacted by the National Chairman of the IEEE Society of Instrumentation and Measurement. If there is sufficient interest, they would like to see a local chapter formed. George also suggested to the chairman that they might want to have their Instruments and Measurements Technology conference in Orlando in Late 1984 or early 1985.

B. Mannie Connell provided a letter from George McClure to Mr. James Hill (copy attached) promoting our area for future conferences of the Professional Communications Society (PC-S). Orlando and our Section benefit directly when conferences are held here. We appreciate George's efforts.

16. Bill Cram moved for adjournment at 7:34, seconded by Don Mendorf. Motion carried.



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PROFESSIONAL COMMUNICATION SOCIETY

24 February 1983

PLEASE REPLY TO:
Martin Marietta Aerospace
P.O. Box 5837, MP-362
Orlando, FL 32855
(305) 352-3782

Mr. James W. Hill
HRB-Singer, Inc.
Science Park
State College, PA 16865

Dear Jim,

The PC-S AdCom minutes have reported that you have been considering possible sites in the southeast for the 1983 IEEE/PCS Conference. If that selection is still to be made, I would like to propose Orlando as a site. The local section has experience in hosting IEEE conferences (e.g., AUTOTESTCON'81, SOUTHEASTCON'83, Vehicular Technology'77, Microwave Symposium'79, Computer Tutorial Week East '81, '82, '83, Mini-Micro Conference '78, '79) and a wide variety of facilities are available (a convention center, Hyatt and Sheraton hotels with conference facilities, others with meeting rooms, and 25,000 hotel rooms), and airlines run promotional fares to Orlando because of the heavy Disney World traffic.

The Miami section is also interested in hosting conferences. Through the Florida Council of IEEE we can arrange and coordinate whatever is needed for any Florida location.

If a decision has already been made for 1983, please keep us in mind for 1984 or later editions of the PCS Conference.

Sincerely,


George F. McClure

cc: L. Thuss
A. Greene
D. Rosich
M. Connell

DATE: APRIL 5 - 1983

(A)

ATTENDEES

IEEE ORLANDO SECTION
EXECUTIVE COMMITTEE MEETING

(NOTE: Use phone/address if change from that on record)

	Name	(Address)	Bus. Phone	Home Phone
1	FRANK FLUET	✓	✓	✓
2	Bill Kownacki	✓	✓	✓
3	JAMES FREEMAN	—	—	—
4	Don MENDORF	✓	✓	✓
5	George TAACK	✓	✓	✓
6	Ben Pat	✓	✓	✓
7	Clark Hay	✓	✓	✓
8	Mickey Mindock	✓	✓	✓
9	ED ELLIS	✓	✓	✓
10	CARL SCHUNEMANN (FOR AL FOWLER)	✓	✓	✓
11	DAVID E. FLINCHBAUGH	✓	✓	✓

4-5-83

AI

Ben Paty reported on planned student activities at next weeks IEEE Southeastcon '83 conference. In addition to student papers and student leadership awards, a "Seeker" contest has received ~~about 10 entries~~ about ~~to be~~ ten entries have been received for the "Seeker" contest ~~where~~ in which a self controlled vehicle of the students' designs search out a 22K audio source and a light source. The student awards luncheon will be on Tuesday, 4-12-83.

Communications Chapter
Meeting Announcement

4-5-83

(B)

Date: May 19, 1983

Time: 7:30 pm

Place: Stromberg-Carlson
Lake Mary Plant
OMNI Center

Topic: Cellular Mobile Radio

Speaker: Jim Pitts

District Sales Manager

Motorola Communications & Electronics
Tampa

Program will consist of a film and
discussion followed by a question & answer
period.

4-5-83

(C)

5 April 1983

COMPUTER SOCIETY

The following meetings are planned:

APRIL 22 4-6 PM

DR KAI HWANG PURDUE UNIVERSITY

SUPERCOMPUTER ARCHITECTURES

MAY 17 7³⁰ - 9⁰⁰ PM

DR ROGER CHEUNG HARRIS CORPORATION

COMMUNICATIONS SOFTWARE

JUN 14 TBD

RICHARD SCHAROFT *RS*

TOUR OF PLYMOUTH ROBOTICS PLANT

NO MEETINGS PLANNED JULY & AUGUST

4-5-83

(E1)

April 5, 1983

Dear Electron Device Society Member:

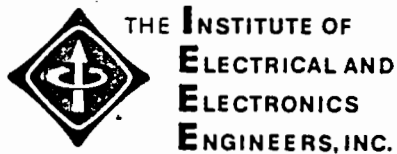
On March 1, 1983 we had a very enjoyable presentation and movie given by Mr. Malcolm Russ from Wacker Siltronic. Thirty-two people attended the meeting. On March 23rd, Dr. Scott Duncan of Martin Marietta Labs gave an enlightening talk on Metal-Silicide Formation at UCF. Fourteen people attended the meeting.

The society is planning a meeting on April 12th at Southcon to discuss proposals for the 1984 Southcon. Notices of this meeting went to all the Electron Device Society members in the state of Florida. In addition, the annual society dinner meeting has been set for May 24, 1983. Dr. Robert D. Kersten will address the society on "The Future of Engineering in Florida".

Additionally, the Martin Marietta Management Club has agreed to fly Dirk Hansen author of The New Alchemist to Orlando to speak to their club and the IEEE in August ~~for~~ September.

A technical meeting is being scheduled in April 26th in which a speaker from Cominco will discuss semiconductor material growth technology. Time and place are to be arranged.

Contact is also being made with Professor Lester F. Eastman of Cornell, the Electron Device Society Lecturer for the east coast, for a fall meeting to discuss Compound Semiconductor Technology. A proposal is being submitted to the section for a high technology forum to be held in July and August. These could be very interesting events.



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.
ELECTRON DEVICES SOCIETY

4-25-83
for rec records (not min)

PLEASE REPLY TO:

R. M. Mindock
Martin Marietta Corporation
P.O. Box 5837, MP-189
Orlando, FL 32855
(305)352-2776

25 March 1983

Dear Electron Devices Society Member,

There are many activities within Florida in Electron Device Technology. These activities in many instances go unreported and we lose the opportunity for a fruitful exchange of ideas and increased synergism.

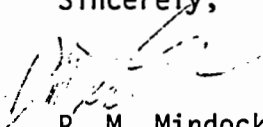
The Orlando Chapter of the Electron Devices Society would like to change this and become a focal point for increased participation of Electron Device Society members in the southeast. In order to do this, we will need your help.

To start, we will be organizing some special sessions at the 1984 Southcon to be held in Orlando in January 1984. We are generating proposals for these sessions and would like to have your input. A meeting will be held from 7:00 to 9:00 p.m. on April 12 at the Southeastcon meeting (Sheraton Twin Towers) in Orlando, to discuss the proposals and other future activities. I hope that you will be able to attend and participate in the meeting and help the Electron Devices Society grow within the southeast.

In addition, I would like to invite you to attend our annual dinner meeting scheduled for 24 May 1983 in Orlando. Dr. Robert D. Kersten, Dean of the College of Engineering at the University of Central Florida will be addressing the society on "The Future of Engineering in Florida". I think you will find the meeting very interesting.

I look forward to meeting you at one of these future activities. If you have any questions please feel free to contact me at (305)352-2776.

Sincerely,


R. M. Mindock
Chapter Chairman
Orlando Section

RMM/lf

cc: Fredrick H. Dill
Lt. Governor Mixson

4-5-83

(H)

AES

Dave Flinchbaugh addressed the North Broward County Republican Club on March 15 at the Titusville Town Hall on the subject of "Lasers, Beam Weapons, and Fusion Energy". On March 16 he was the featured speaker at the Cape Canaveral Section and AES meeting at F. I. T. The talk was entitled "Applied Robotics in the Aerospace Industry" and 36 people attended. Dave is a technical session Chairman for the NAECON '83 conference at Dayton, OH, May 17-19, and he will present a talk entitled "A Look at Robotics and Automation Today". Dr. Steve Bardwell, editor of the ^{Journal of} Fusion Energy, and Lawrence Freeman, a director of the National Democratic Policy Committee, will be invited to speak at the annual Orlando Section meeting in June on the "Potential Impact of Fusion Energy on Cooperative International Projects and the Abolishment of Nuclear Weapons."

4855 Big Oaks Lane
Orlando, FL 32806
859-4855

4-5-83

(F)

TREASURER REPORT 4/05/83

BALANCE 3/01/83

Checking Account	\$155.06
Dreyfus Fund	<u>\$13,479.31</u>
	\$13,634.37

TRANSFER

Dreyfus Fund to Checking \$1,000.00

INCOME

Cups	\$22.00
Ad	<u>\$25.00</u>
	\$47.00

EXPENSES

A.K. Fowler Feb. Meeting MTT	\$70.71
R. Theisen File Cabinets 2	
File Supplies	\$204.14
Cups Freight & Handling	\$60.04
Seminole House March Notes	<u>\$458.43</u>
	\$793.32

Balance 4/5/83

Checking Account	\$408.74
Dreyfus Fund	<u>\$12,479.31</u>

0131A/

Compress for minutes

Mindock

Mickey ^N circulated a draft of a letter to Gov. Graham inviting him to a ^{high technology} "work day" at Martin Marietta processing a silicon chip. He suggests the possibility of tying ⁱⁿ the visit ~~with~~ with groundbreaking of the new UCF Engineering Building in the fall of 1983.

The ~~plan~~ ^{draft} was generally well received by the Ex Comm. with ~~some~~ suggestions to specify a particular date since open ended requests ~~may~~ may not be responded to by the Governor's appointment secretary. It was also suggested that the Orlando section ~~endorse~~ the chairman endorse the letter when he has a chance to review it.

4-5-83 (G)

SECTION MEETING PROPOSAL

PROPOSAL: It is proposed that the section hold a special dinner meeting with the topic "High Technology in Central Florida". It is proposed that if successful this be the first of a series of high technology forums to be held in central Florida.

PURPOSE OF MEETING: To make engineers and the public aware of the high technology companies and products offered in the local area and some projections of products and needs for the future.

FORMAT OF MEETING: The meeting will be composed of a panel of people from high technology companies in the Florida area, who will discuss their current products and their projected products and needs in 1990. The agenda for the meeting will be:

- 6:00-6:30 Cash Bar
- 6:30-7:15 Dinner
- 7:15-7:30 Moderator
- 7:30-7:50 Speaker 1
- 7:50-8:10 Speaker 2
- 8:10-8:30 Speaker 3
- 8:30-8:50 Speaker 4
- 8:50-9:15 Questions/Answers

BUDGET: Proposed Expenditures:

3000 Brochures	\$ 250
Section Mailing Lists	50
2 Section Mailings @ \$50	100
Ticket Printing	25
Ticket Return Postage	40
Miscellaneous	41
Complimentary Meals 12 @ \$12	144
Paid Meals 200 @ \$12	2,400
	<u>\$3,050</u>

Proposed Receipts:

100 Member Tickets @ \$14	\$1,400
100 Non Member Tickets @ \$16	1,600
	<u>\$3,000</u>

The High Tech Forum

This forum has been organized by the IEEE to promote and encourage high technology in the central Florida area.

Representatives from key high technology companies in the central Florida area have been asked to present a summary of their expected needs and products in 1990. The following questions have been posed to the panelist for discussion.

- What is high technology?
- How do they promote/encourage high technology?
- What is needed to get high technology in central Florida?
- What technical achievements are needed most in the 1980's?

Speakers

Speaker 1: _____
Affiliation: _____

Speaker 2: _____
Affiliation: _____

Speaker 3: _____
Affiliation: _____

Speaker 4: _____
Affiliation: _____

Monitor: _____
Affiliation: _____

Agenda

6:00-6:30	Cash Bar/Registration
6:30-7:15	Dinner
7:15-7:30	_____
	Moderator
7:30-7:50	_____
	Speaker 1
7:50-8:10	_____
	Speaker 2
8:10-8:30	_____
	Speaker 3
8:30-8:50	_____
	Speaker 4
8:50-9:00	Panel Questions
9:00-9:30	Open Questions/Answers

Location:

Registration: To register, please complete accompanying registration form along with payment to: IEEE

Fee: The registration fee which includes dinner is

IEEE Member \$
Non Member \$

For further information please contact:

	MAR	APR	MAY	JUN	JUL
SECTION APPROVAL		Δ			
STEERING COMMITTEE		Δ			
HOTEL/SPEAK ARRANGEMENTS		Δ — Δ			
DRAFT BROCHURE			Δ Δ		
FINAL BROCHURE/BUDGET APPROVAL			Δ		
PRINT BROCHURE			Δ — Δ		
FIRST MAILING				Δ — Δ	
RESPONSE				Δ — Δ	
SECOND MAILING				Δ — Δ	
LOCAL ADVERTISING				Δ — Δ	Δ
MEETING					Δ

National Aeronautics and
Space Administration

NASA

Lyndon B. Johnson Space Center
Houston, Texas
77058

4-5-83
(for records)

Reply to Attn of: CB

MAR 9 1983

Mr. George B. Taack, Jr.
4 Robinwood Drive
Longwood, FL 32750

Dear Mr. Taack:

Thank you for your letter dated February 4, 1983, in which you invited Astronaut Sally Ride to serve as speaker for the Institute of Electrical and Electronics Engineers in Orlando, Florida, on June 25, 1983.

We sincerely appreciate your invitation, and we regret we are unable to accept. All astronauts are heavily involved with technical commitments in support of the Shuttle Transportation System missions, and our available time for public appearances is becoming increasingly limited. Therefore, we have been forced to decline many worthwhile events such as yours that we would otherwise accept if time and circumstances permitted.

We are sorry our response could not be more favorable.

Sincerely,

Bryan D. O'Connor
Bryan D. O'Connor
Chief, Astronaut Appearances
Astronaut Office



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.
ELECTRON DEVICES SOCIETY

4-5-83
for sec. records
(not minutes)

PLEASE REPLY TO

R. M. Mindock
Martin Marietta Aerospace
P.O. Box 5837, MF-129
Orlando, FL 32855

4 April 1983
Ref: 83-1077

DRAFT

The Honorable Bob Graham,
Office of Governor
State Capitol Building
Tallahassee, FL 32304

Attention: Governor Bob Graham

Dear Governor Graham,

Your interest in the acquisition of high technology and an improved educational system in Florida is well documented. The members of the Orlando Section of the Institute of Electrical and Electronic Engineers (IEEE), and the Engineering faculty at the University of Central Florida are greatly encouraged by and share your interest. Consequently, to emphasize our mutual interests and that of industry, we would appreciate your considering a "work day" at Martin Marietta Orlando Aerospace.

The emphasis of the "work day" would be your participation in a routine microelectronic processing step used to produce the enclosed miniaturized business card on a silicon chip. We are confident you could acquire the skills to duplicate this processing technology on your own card, as part of a work day. Your card, fabricated on silicon, could then be used as a symbol of your interest in high technology.

To emphasize your interest in higher education, we would suggest that the "work day" be scheduled to coincide with ground breaking of the new Engineering Building at the University of Central Florida. This is presently anticipated to occur in the fall of 1983.

The University of Central Florida is also developing a microelectronics program to provide engineering personnel to work in this high technology industry. Martin Marietta is very interested in establishing cooperative efforts with the University of Central Florida to accomplish this program, as well as other high technology programs of mutual interest.

Your consideration of our proposal will be greatly appreciated and we look forward to future communications concerning our mutual interests.

Very truly yours,

B. M. Hancock
Chapter Chairman
Electronic Devices Society
Orlando Section, 1951

Dr. Trevor Colburn
President
University of Central Florida

W. Lowrie
President
Martin Marietta Orlando Aerospace

BMM:rf

cc: D. Malocha



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

April 22, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, May 3, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

A handwritten signature in cursive script, appearing to read "Frank Fluet".

Frank Fluet
Secretary
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: April 5, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees:	Frank Fluet	Clark Hay
	Bill Kownacki	Mickey Mindock
	James Freeman	Ed Ellis
	Don Mendorf	Carl Schuneman (for Al Fowler)
	George Taack	David E. Flinchbaugh
	Ben Patz	

Minutes:

1. Meeting was called to order at 5:38 PM by Vice-Chairman T. E. Ellis.
2. Programs - George Taack:

Due to delay of liftoff of shuttle #6, Sally Ride, the first woman shuttle astronaut's schedule now conflicts with our June banquet and George is looking for another speaker.

3. Publicity - Ed Ellis (for George McClure):

George has compiled a list of radio and TV stations and/or contacts for the benefit of our publicity chairman, when one is found. These should be useful for publicizing IEEE events and awards.

4. Secretary's Report - Frank Fluet

The membership lists for Orlando have been received from IEEE Headquarters sorted by Society. In summary:

<u>SOCIETY</u>	<u># OF ORLANDO MEMBERS</u>
AES	34
COMMUNICATIONS	60
COMPUTER	224
ED	14
AP	17
PE	41
IA	13

5. STUDENT ACTIVITIES -

Ben Patz reported on planned student activities at next week's IEEE SOUTHEASTCON '83 Conference. In addition to student papers and student leadership awards, about ten entries have been received for the "Seeker" contest in which a self-controlled vehicle of the students' designs search out a 22KHz audio source and a light source. The student awards luncheon will be on Tuesday, 4-12-83.

6. Communications Society - George Taack:

COMMUNICATIONS CHAPTER
MEETING ANNOUNCEMENT

Date: May 19, 1983
Time: 7:30 PM
Place: Stromberg-Carlson
Lake Mary Plant
OMNI Center

Topic: Cellular Mobile Radio

Speaker: Jim Pitts
District Sales Manager
Motorola Communications & Electronics
Tampa, Florida

Program will consist of a film and discussion followed by a question and answer period.

7. Computer Society - Clark Hay:

The following meetings are planned:

April 22	4-6 PM	Dr. Kai Hwang, Purdue University Supercomputer Architectures
May 17	7:30-9:00 PM	Dr. Roger Cheung, Harris Corporation Communications Software
June 14	TBA	Richard Schroft, General Electric Tour of Plymouth Robotics Plant

No meetings planned July and August.

8. Electron Devices - Mickey Mindock:

Don Malocha of UCF has a print of a film on processing of silicon. If anyone would like to have access to it please contact him or Mickey Mindock.

On March 1, 1983 we had a very enjoyable presentation and movie given by Mr. Malcolm Russ from Wacker Siltronic. Thirty-two people attended the meeting. On March 23rd, Dr. Scott Duncan of Martin Marietta Labs gave an enlightening talk on metal-Silicide Formation at UCF. Fourteen people attended the meeting.

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A technical meeting is being scheduled on April 26th in which a speaker from Cominco will discuss semiconductor material growth technology. Time and place are to be arranged.

Contact is also being made with Professor Lester F. Eastman of Cornell, the Electron Device Society Lecturer for the East Coast, for a fall meeting to discuss Compound Semiconductor Technology. A proposal is being submitted to the Section for a high technology forum to be held in July and August. These could be very interesting events.

9. AP & MTT - Carl Schunneman (for Al Fowler):

Next meeting will be May 26 with Prof. Robert K. Crane, Research Prof. of Engineering at Dartmouth College. He will speak on "Propagation Phenomena Affecting Millimeter Wave Communications Systems".

The last meeting with Bruce Hudson of Scientific Atlanta, March 16, was very poorly attended but the topic was very interesting and well done.

10. Please make note of Gerry White's new business phone: 857-2591.

11. AES - Dave Flinchbaugh:

Dave Flinchbaugh addressed the North Brevard County Republican Club on March 15, at the Titusville Town Hall on the subject of "Lasers, Beam Weapons, and Fusion Energy". On March 16 he was the featured speaker at the Cape Canaveral Section and AES meeting at F.I.T.. The talk was entitled "Applied Robotics in the Aerospace Industry", and 36 people attended. Dave is a Technical Session Chairman for the NAECON '83 conference at Dayton, OH, May 17-19, and he will present a talk entitled "A Look at Robotics and Automation Today".

Dr. Steve Bardewell, Editor of Journal of Fusion Energy, and Lawrence Freeman, a Director of the National Democratic Policy Committee, will be invited to speak at the annual Orlando Section meeting in June, on "The Potential Impact of Fusion Energy on Cooperative International Projects and the Abolishment of Nuclear Weapons".

12. Student Branch - Jim Freeman:

The Student Branch is now in the process of acquiring a cassette recorder for the Atari Computer for student projects.

13. George Taack moved for approval of the Minutes of last meeting. Seconded by Don Mendorf. Motion carried.

14. Treasurer's Report - Don Mendorf:

<u>BALANCE 3/01/83</u>	Checking Account	\$ 155.06
	Dreyfus Fund	13,479.31
		<u>\$13,634.37</u>

TRANSFER

Dreyfus Fund to Checking \$1,000.00

INCOME

Cups	\$22.00
Ad	25.00
	<u>\$47.00</u>

EXPENSES

A.K. Fowler Feb. Meeting MTT	\$ 70.71
R. Theisen File Cabinets 2	
File Supplies	204.14
Cups Freight & Handling	60.00
Seminole House March Notes	458.43
	<u>\$793.02</u>

<u>BALANCE 4/5/83</u>	Checking Account	\$ 408.74
		\$12,479.31

Mickey Mindock moved for acceptance of report, seconded by George Taack. Motion carried.

15. Old Business

Don Mendorf moved to take from the table the November 2, 1982 motion concerning Fred Simons. Seconded by Bill Kownacki. Motion to take from table carried.

(In review: Fred had requested that the Orlando Section sponsor and possibly supply "seed" money for a proposed conference on Modeling and Simulation to be held at UCF starting in December 1983. Ed Ellis moved that \$1,000 in seed money be provided. This is the motion that was tabled). The motion in question was defeated.

16. New Business

- a. Mickey Mindock circulated a draft of a letter to Gov. Graham inviting him to a high technology "work day" at Martin Marietta, processing a silicon chip. He suggests the possibility of tying in the visit with groundbreaking of the new UCF Engineering building in the Fall of 1983.

The draft was generally well received by the Ex. Comm. with suggestions to specify a particular date since open ended requests may not be responded to by the Governor's appointment secretary. It was also suggested that the Orlando Section chairman endorse the letter when he has a chance to review it.

Dave Flinchbaugh moved that the Section approve Mickey's letter and support his efforts. Motion seconded by Ben Patz. Motion carried.

- b. Mickey Mindock presented a proposal for a special Section Meeting format:

PROPOSAL: It is proposed that the Section hold a special dinner meeting with the topic "High Technology in Central Florida". It is proposed that if successful this be the first of a series of high technology forums to be held in Central Florida.

PURPOSE OF MEETING: To make engineers and the public aware of the high technology companies and products offered in the local area and some projections of products and needs for the future.

FORMAT OF MEETING: The meeting will be composed of a panel of people from high technology companies in the Florida area, who will discuss their current products and their projected products and needs in 1990. The agenda for the meeting will be:

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7:15-7:30	Moderator
7:30-7:50	Speaker 1
7:50-8:10	Speaker 2
8:10-8:10	Speaker 3
8:30-8:50	Speaker 4
8:50-9:15	Questions/Answers

BUDGET:

Proposed Expenditures

3000 Brochures	\$ 250
Section Mailing Lists	50
2 Section Mailings @ \$50	100
Ticket Printing	25
Ticket Return Postage	40
Miscellaneous	41
Complimentary Meals 12 @ \$12	144
Paid Meals 200 \$ \$12	2,400
	<u>\$3,050</u>

Proposed Receipts

100 Member Tickets \$14	\$1,400
100 Non-Member Tickets \$16	1,600
	<u>\$3,000</u>

Much discussion ensued primarily concerning the projected number of attendees. Mickey asked that a steering committee be selected to pursue the format in more detail. The following volunteered: Mickey Mindock, George Taack, Dave Flinchbaugh, and Clark Hay.

- c. Ben Patz: In the recent past the Section has supported the Orange County High Schools Math Contest. ACM has volunteered to support a computer contest for the high schools. John Young Museum has volunteered to support and publicize the program. Ben proposed that we invest jointly with ACM for about \$200 per year (for plaques and other awards) to the schools and the winning teams. This would be an on-going annual support.

Bill Kownacki moved that we support Orange County Math Contest by providing \$50 as in previous years; seconded by Jim Freeman. Motion carried.

Clark Hay moved that we also support a Seminole County Math Contest. Seconded by Don Mendorf. After discussion concerning the fact that we were not asked for support and don't know who to contact, a vote was taken. Motion failed to carry.

Clark Hay moved that we provide \$150 to Orange County Computer contest. Motion seconded by Ben Patz. Motion failed to carry.

17. Motion for adjournment, Bill Kownacki seconded. Motion carried. Meeting adjourned at approximately 7:40 PM.

Blindfold

Please return to:
D. E. Alinchbaugh
4855 Big Oaks Lane
Orlando, FL 32806

OK returned original 5-18-83
IEEE Ex. Comm. Mtg.
5-3-83

DEF

1) S-E Con. Robotics & Automation Session high count ~ 76
4/11/83

Sentinel Star interview & article/quote Apr. 20 issue

2) DF talk @ Brevard County Republican Club & Executive
Committee Meeting
#-14-

"Technology Applications for World Peacekeeping"
→ 2 invites: Ocala Ret Officers Club; Patrick Officers Ass'n

3) Robots 7 4/17-19/83 Met w/ Congressman Don Fouqua
Met w/ RIA/RI/SME/IEEE members
& officers re: sub-chapters, student chapters

4) Space Congress 4/26-27/83 Met w/ Congressman Bill Nelson
Session Organizer

5) Valencia C.C. Appointed to
Advisory Committee on Technical and Engineering
Related Programs
specifically to address the question whether to establish
a 2 yr. curriculum in Robotics Technology

6) NAECON

7) Banquet Speakers June 25th: Dr. Steve Bordwell
Mr. Larry Freeman

8) F
C
E
S
Bob Kolar 5-1-83

Pub. release
by 5/10/83

Members Appe. 201-981-0060 X 287 or 301 Mark Lucas, Bill Hunter

IEEE COMPUTER SOCIETY

MAY 17, 1983

(H)

NAME: Roger C. Cheung
ADDRESS: Harris Corporation
RF Communications Division
1680 University Avenue
Rochester, New York 14610
Tel: (716) 244-5830

BIOGRAPHY: Roger Cheung received the B.S. degree in Electrical Engineering from Lehigh University in 1971 and the M.S. and Ph.D. degrees in Electrical Engineering and Computer Science from the University of California at Berkeley in 1972 and 1974, respectively. He was an Assistant Professor in the Computer Science Department of Northwestern University from 1974 to 1977, where he conducted research in software reliability and maintainability. He was with Bell Laboratories from 1977 to 1980, where he was responsible for the software architecture of a digital switch, integrated voice/data communication, packet switching of voice and wideband switching. He joined the RF Communications Division of Harris in 1982 and is currently responsible for the software development of a cellular mobile telephone system. He is also the Associate Editor of Communications Software for the IEEE Transactions on Communications.

TOPIC: COMMUNICATIONS SOFTWARE

ABSTRACT: The strict throughput, delay and reliability requirements of communications systems have created many challenging problems for the software engineer. Such systems have to support thousands of concurrent processes with millisecond response time and to achieve less than a few minutes of down time in a year. This talk will review the characteristics of communications software and discuss the software techniques used in designing such real time fault-tolerant systems. Illustrative examples will be taken from data communication networks, telephone switching systems, and distributed operating systems.

DINNER: GET ACQUAINTED WITH THE SPEAKER 6-7 PM AT QUINCY'S
IN CASSELBERRY ON 17-92. CALL CLARK HAY 335-1600 X187.

MEETING: 7:30 - 9:00 PM IN THE CAFETERIA OF STRONG'S-CARLSON
ENGINEERING DEVELOPMENT CENTER, US 17-92 AND SHARP ROAD
IN LONGWOOD. ENTER THROUGH REAR (EAST) ENTRANCE.

Include to Gerry White

MEMORY LOGGERS —

Section Notes —

- 1 - make sure nominees are listed again, together with request for nominations from membership.
Copy request from 1982 or 1981 section notes should have been in March.
2. Publicize June banquet. Leave location open for now, but include date and speaker.
Requests for reservations to any officer for now.
Hopefully in June section notes we can use George Tauchs home phone # for reservations.
Dave Flinchbaugh will furnish a blurb on the speaker and topic — should have to Ellis or Fluet by Fri 5/6.
- 3 - Request nominees for section service award. Joe Massett to furnish wording qualifications, list of previous recipients to Ellis or Fluet by Fri 5/6.

MEETING NOTICE
ORLANDO SECTION IEEE
ELECTRON DEVICES SOCIETY

(F)

DATE: MAY 24, 1983

TIME: 6:00 P.M. SOCIAL HOUR, 7:00 P.M. DINNER

PLACE: SHERATON TWIN TOWERS

TOPIC: THE FUTURE OF ENGINEERING IN FLORIDA

SPEAKER: Dr. ROBERT D. KERSTEN, DEAN
COLLEGE OF ENGINEERING
UNIVERSITY OF CENTRAL FLORIDA

5/3/83

ORLANDO SECTION

(C)

Tutorial Week East 83

The tutorial week east was held April 4-8, 1983 at the Marriott Inn. there were 193 attendees that accounted for 517 tutorial days.

Southeastcon 83

The Southeastcon 83 was held April 11-13, 83 at the Sheraton Twin Towers

Attendance:

STUDENTS	514	RECORD NUMBER
MEMBERS	135	
NON MEMBERS	33	
SINGLE DAY	36	
EXHIBITS	27	
SPOUSES	19	
TOTAL	764	

The finances are being resolved and a determination as to profit or loss will be made later.

A quick look indicated a loss will be incurred on this conference because of:

- lower ^{number of} conference registrations
- lower exhibitor registrations
- possible student rebate problems
- higher hotel penalty than budgetted.

Thuisen

The AWARDS Banquete held on
April 12, 1983

- The Orlando Section won "Outstanding Section Award for 1982". Ed Ellis received the Award
- Russ Theisen won "Outstanding Service Award for 1983".
- Dr. Ronald Schaefer won ^{Atlanta} "Outstanding Engineer"
- Roy Harris was awarded Fellow Award

Student Paper Michael Pratt of Christian Brothers
Seeker Contest was won by University of Alabama

Outstand branch Councilor award won
Bob Coleman Univ of North Carolina
John McDEARM of Tennessee Tech.

Kilometer Contest was won by Christian
Brothers college from Memphis Tenn? [?]
See Ben Patz for the winner.

ETC.

Russ Theisen

MEMBER SOCIETY AND SUBSCRIPTION STATISTICS AS OF 03/31/83

H I G H E R G R A D E S										T O T A L S							
ADDR	SOC SUB	PUB ID	STUDENT	REG	RET	MIN	UNEMP	SUB TOTAL	AFFILS	*ACTIVE MEMBS	ARREARS MEMBS	ACT/ARR MEMBS	EXTRA CPYS	ACTIVE CPYS	ARR PRIOR YR CPYS	ACT/ARR CPYS	LTD SVCS
		1152	0	1	0	0	0	1	0					1		1	
		3041	1	12	0	0	0	12	0					13	5	18	
		3042	0	1	0	0	0	1	0					1		1	
		4101	0	4	0	0	0	4	0					4	2	6	
C	10		26	164	3	1	3	171	28	225	53	278					
		1161	4	25	0	1	0	26	8					38	12	50	
		1162	0	1	0	0	0	1	0					1		1	
		1171	4	26	0	0	1	27	11					42	19	61	
		1351	1	13	0	0	0	13	3					17	6	23	
		3001	26	162	3	1	3	169	28					223	53	276	
		3002	0	3	0	0	0	3	0					3		3	
		3061	2	22	0	1	0	23	5				1	31	10	41	
		3071	3	40	0	0	0	40	7					50	17	67	
		3072	0	1	0	0	0	1	0					1		1	
		4101	0	3	0	0	0	3	0					3		3	
		4201	0	0	0	0	0	0	0						4	4	
MTT	17		0	20	0	0	0	20	0	20	6	26					
		1181	0	20	0	0	0	20	0					20	6	26	
		1182	0	1	0	0	0	1	0					1		1	
		4101	0	1	0	0	0	1	0					1	2	3	
EMB	18		0	1	1	0	0	2	0	2	5	7					
		1191	0	1	1	0	0	2	0					2	5	7	
		1381	0	1	1	0	0	2	0					2		2	
		4201	0	0	0	0	0	0	0						1	1	
COM	19		10	49	0	0	1	50	1	61	17	78					3
		1201	6	45	0	0	1	46	1					53	17	70	
		1202	0	1	0	0	0	1	0					1		1	
		1411	4	9	0	0	0	9	0					13		13	
		4101	0	1	0	0	0	1	0					1		1	
		4201	1	0	0	0	0	0	0					1		1	
SU	20		1	11	0	0	0	11	0	12	1	13					1
		1211	1	10	0	0	0	10	0					11		11	
		1212	0	1	0	0	0	1	0					1		1	
		4101	0	0	0	0	0	0	0						1	1	
		4301	1	0	0	0	0	0	0					1		1	
CHMT	21		0	6	0	0	0	6	0	6		6				6	
		1221	0	6	0	0	0	6	0					6		6	
		1222	0	1	0	0	0	1	0					1		1	
DE	22		0	1	0	0	0	1	0	1		1				1	
		4201	0	1	0	0	0	1	0					1		1	
CS	23		1	17	0	0	1	18	0	19	5	24					
		1231	1	17	0	0	1	18	0					19	5	24	
		1351	0	1	0	0	0	1	0					1		1	
E	25		0	3	0	0	0	3	0	3		3					

HIGHER GRADES

TOTALS

ABBR	SOC SUB	PUB ID	STUDENT	REG	RET	MIN	UNEMP	TOTAL	AFFILS	TOTALS					LTD SRVC		
										*ACTIVE MEMBS	ARR MEMBS	ACT/ARR MEMBS	EXTRA CPYS	ACTIVE CPYS		ARR PRIOR YR CPYS	ACT/ARR CPYS
PC	26	1241	0	3	0	0	0	3	0								
		1251	1	4	0	0	0	4	0	5	1	6		3			3
		1252	0	1	0	0	0	1	0								
EMC	27	1261	0	9	0	0	0	10	0	10		10		1	1		1
		1262	0	1	0	0	0	1	0								
SMC	28	1271	0	5	0	0	0	5	0	5		7		1			9
		1351	0	5	0	0	0	5	0	5	2	7		1			1
GRS	29	1281	0	2	0	0	0	2	0	2		2			2		7
		4201	0	2	0	0	0	2	0	2		2			1		1
SIT	30	1401	1	6	0	0	0	6	0	7		7		2			2
			1	6	0	0	0	6	0	7		7		1			1
PE	31	1371	1	38	2	0	0	40	0	41	3	44		7			7
		1372	0	5	0	0	0	5	0					5			
		3081	1	1	0	0	0	1	0					1	1		6
		4201	0	38	2	0	0	40	0					1			1
EI	32	1301	0	2	0	0	0	2	0	2		2		1			1
			0	2	0	0	0	2	0	2		2		1			1
M	33	1311	0	4	0	0	1	5	0	5		5		2			2
			0	4	0	0	1	5	0	5		5		2			2
IA	34	1321	0	12	1	0	0	13	0	13	3	16		5			5
		1322	0	10	1	0	0	11	0	11		11		11	3		14
GEA	36	1341	1	6	0	0	0	6	0	9		9		1			1
		1342	0	7	0	0	0	7	0					1			1
		4301	1	1	0	0	0	1	0					8	1		9
			1	0	0	0	0	0	0	0				1			1
JSSC PRINTED-4101			1	14	0	0	1	15	0								
JSSC MICRO- 4102			0	0	0	0	0	0	0				16				
JOE PRINTED- 4201			1	10	0	0	0	10	0					6		22	
JOE MICRO- 4202			0	2	0	0	0	2	0								
PAMI PRINTED-1351			1	16	0	0	0	16	3				11	6		17	
PAMI MICRO- 1352			0	0	0	0	0	0	0				2			2	
JLT PRINTED-4301			2	0	0	0	0	0	0				20	8		26	
JLT MICRO- 4302			0	0	0	0	0	0	0				2			2	
TOT SOC MEMBERSHIP			57	546	9	2	8	565	29	651	138	789					11

May 3, 1983

Name	Post	Changes to address or phone
T E Ellis	V. Chmn.	No
Mannie Connell	Chmn	No.
Joe Russell	Awards	NO
GEOFFREY DICK	PES & IA	No
CLARK HAY	Computer	NONE
Wm. C. Cram	At Large	None
Bill Kownacki	Notes Adv Mgr	—
Dick Zanowick	V. Chm. E.D.	
DOW MENDON	Treas	None.
Ernest E. Erickson	By-Laws	No.
Al Fowler	MTT	—
Ben Patz	Past Pres	no
Russ Theison	Historian	NO.
DAVE FLINCHBAUGH	AES	No
JOHN GILBERT	PACE	NO

5-3-83
B

TREASURER REPORT 5/03/83

BALANCE 4/05/83

Checking Account	\$408.74
Dreyfus Fund	<u>\$12,479.31</u>
	\$12,888.05

TRANSFER

Dreyfus Fund to Checking \$1,000.00

INCOME

Dreyfus Fund Interest
1st Quarter \$280.48

EXPENSES

F. Fluet Postage	\$20.54
Seminole House April Notes	\$329.54
Orange Co. School Math Contest	\$50.00
Mindock April/May Meeting MTT	<u>\$ 26.24</u>
	\$426.32

Balance 5/3/83

Checking Account	\$982.42
Dreyfus Fund	<u>\$11,759.79</u>
	\$12,742.21

part of ED report.

5-3-83

copy file

MEETING NOTICE

IEEE ELECTRON DEVICES SOCIETY

DATE: April 26, 1983

PLACE: Carmente's Pizza
7720 S. Orange Blossom Trail
Orlando, FL

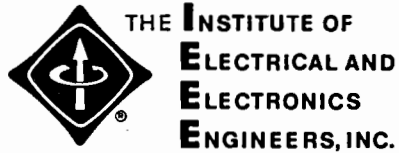
TIME: 6:00 P.M.

TOPIC: Crystal Growth And Material Evaluation
Of HgCdTe & CdTe

SPEAKER: Roeluff P. Bult
Research Chemist
Cominco LTD.

ABOUT THE SPEAKER: Mr. Bult received a B.S., and M.S. from the State University of ~~FLORIDA~~. He has been employed at Cominco LTD. since 1959 in various research departments in the Crystal growth and evaluation of thermal electronic materials including III -IV and II - VI compounds.

~ 20 people attended



PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

May 18, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, June 7, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

I have again notified IEEE Field Services that our Membership Development Chairman is Deen Khandelwal and our PACE Chairman is John Gilbert. I requested the "Pink Sheets" be sent directly to Deen.

Frank Fluet
Secretary
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: May 3, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: T. E. Ellis
Mannie Connell
Joe Massett
Geoffrey Dick
Clark Hay
Wm. C. Cram
Bill Kownacki
Dick Zanowick
Don Mendorf
Ernest E. Erickson
Al Fowler
Ben Patz
Russ Theisen
Dave Flinchbaugh
John Gilbert

Minutes:

1. Open meeting 5:41 PM by Mannie Connell, Chairman.
2. Treasurer's Report:

BALANCE 4/05/83

Checking Account \$ 408.74
Dreyfus Fund \$12,479.31
\$12,888.05

TRANSFER

Dreyfus Fund to Checking \$1,000.00

INCOME

Dreyfus Fund Interest
1st Quarter \$ 280.48

EXPENSES

F. Fluet Postage \$ 20.54
Seminole House April Notes 329.54
Orange Co. School Match Contest 50.00
Mindock April/May Meeting MTT \$ 26.24
\$ 426.32

BALANCE 5/3/83

Checking Account \$ 982.42
Dreyfus Fund \$11,759.79
\$12,742.21

Rebates are due shortly from IEEE. Expect some income from Tutorial Week East. Probably nothing from SOUTHEASTCON. Money going out faster than coming in presently. Cram moved approval, Zanowick seconded. Motion passed. Note - 3 withdrawals of \$100 each from Dreyfus recently.

3. Secretary's Minutes:

Masset moved approval, Erickson seconded. Motion passed.

4. George Taack is in hospital. Ed Ellis report for Programs:

The June dinner speaker will be Steve Bardewell, Editor of Journal of Fusion Energy, on June 25. Dr. Bardewell will speak on Beam Weaponry. Location is to be determined - House of Beef, Harley Hotel, Imperial House - contacted. Theison moved going ahead with plans. Cram seconded. Passed 8-3. Note - Flinchbaugh will work with speaker to make sure performance is polished better than one last November.

5. Awards: Massett

Service award due at June dinner. Need nominations. Ellis nominated Massett. (No second). Call for nominations should be published in Section Notes. Previous recipients of the Outstanding Service Award in the Orlando Section are:

1977	Russ Theisen
1978	Bill Cram
1979	George McClure
1980	Bill Rhoden
1981	Mannie Connell
1982	No Award

6. Notice on nominations for officers was not included in Section Notes. Needs to be published in next one.

7. PACE: John Gilbert

John attended PACE workshop at SOUTHEASTCON. He called attention to Bill Kownacki's work in getting three new advertisers in April Section Notes. Val Bodine, Region 3 PACE, proposes PAC to support political candidates favorable to IEEE. Bob Duggan has received no invitations to speak on PACE to sections. Bodine suggests IEEE member level between Senior and Fellow. Mannie suggests the Section write IEEE in support of this. Art Greene suggests IEEE drop out of AAES. At Section's meeting, Dave Dunnin suggests closer interaction with student chapters and professors. John Pope talked on program activities of section and chapters.

8. John sold \$24 worth of cups at SOUTHEASTCON. Geof Dick and others have sold some, have money to turn in for cups they have sold.

9. No report on Education or Student Activities.

10. Joe Massett has new membership applications to turn in, including money. Joe will work with Deen Khandelwal. (Applications were received at SOUTHEASTCON).

11. Geof Dick as Chapter's Chairman - no report.

12. Ernie on Bylaws - hope for draft by June Executive Committee meeting.

13. Kownacki on Advertising - 3 new advertisers. Tektronics asked Theisen to arrange for full page spread. Russ has check from Tektronics for past ads.
14. Russ Theisen has the banner. Russ has picked up filing cabinets for historical records. Russ has membership records showing 24 EM, 19 Controls members; 651 active members, 140 members in arrears; 789 total. A copy is included for secretary's records.
15. Dave Flinchbaugh asked for membership applications for new members.
16. Theisen reports: Orlando Section given an Outstanding Section Award. (Russ has it). Expect another month before full accounting of SOUTHEASTCON is complete. Massett estimates \$3,000 deficit. IEEE will underwrite deficits, but not known whether IEEE will reimburse advances from Section and Region.

Tutorial Week East 83

The Tutorial Week East was held April 4-8, 1983 at the Marriott Inn. There were 193 attendees that accounted for 517 tutorial days.

SOUTHEASTCON 83

The SOUTHEASTCON 83 was held April 11-13, 1983 at the Sheraton Twin Towers.

Students	514	Record Number
Members	135	
Non-Members	33	
Single Day	36	
Exhibits	27	
Spouses	19	
	<u>764</u>	

The finances are being resolved and a determination as to profit or loss will be made later. A quick look indicated a loss will be incurred on this conference because of:

- o lower number of conference registrations
- o lower exhibitor registrations
- o possible student rebate problems
- o higher hotel penalty than budgeted

The Awards banquet held on April 12, 1983

- o The Orlando Section won "Outstanding Section Award for 1982". Ed Ellis received the award.
- o Russ Theisen won "Outstanding Service Award" for 1983.
- o Dr. Ronald Schafer was Atlanta Outstanding Engineer.
- o Ray Norris was awarded Fellow Award

Student Paper - Michael Pratt of Christian Brothers
 Seeker Contest was won by University of Alabama
 Outstanding Branch Counselor award was won by Bob Coleman, University
 of North Carolina and John McDearn of Tennessee Tech.

17. Dave Flinchbaugh moved commendation to SOUTHEASTCON for active workers.

18. AES: Dave Flinchbaugh

There were 67 max at the Robotics session at SOUTHEASTCON.

19. Communications: Ellis for Taack

The next meeting will be held Thursday, May 19 at Stromberg Carlson's Lake Mary facility. The speaker's topic is Cellular Mobile Radio. See the Section Notes for map, and reservation number.

20. Computer Society: Clark Hay

The next Computer Society meeting will be May 17, at the Stromberg Carlson Engineering Development Center (US 17-92 and Shepard Rd., in Longwood). Roger C. Chewing of Harris Corp. will speak about communications software. See the Section Notes for more details and also for information about the pre-meeting dinner to be held at Quincy's in Casselberry.

There were 12 attendees at the 4/22 meeting at UCF where the speaker, Dr. Kai Hwan of Purdue spoke about supercomputers.

21. Electronic Devices Society: Zanowick

The last meeting, at Carmente's Pizza Parlor, had 20 present and was very successful. The speaker was Roeluff P. Bult, a research chemist at Cominco Ltd., discussing "Crystal Growth and Material Evaluation of HgCdTe and CdTe."

The next meeting will be:

DATE: May 24, 1983

TIME: 6:00 P.M. Social hour, 7:00 P.M. Dinner

PLACE: Sheraton Twin Towers

TOPIC: The Future of Engineering in Florida

SPEAKER: Dr. Robert D. Kersten, Dean
College of Engineering
University of Central Florida

TICKET: \$15.00 per person

SPOUSES: Welcome and Requested

R. L. Zanowick 352-2914

D. Malocha 272-2414

R. M. Mindock 352-2776

Reservations requested before 5/17/83.

22. AP/MTT: Al Fowler

Dr. Robert Crave of Dartmouth, will speak 5/26 on "Propagation Phenomena Affecting Millimeter Wave Communications Systems", 5:15 at Hewlett Packard, Lake Ellenor Drive. See Section Notes for further information.

23. PE&IA: Geof Dick

PE Society won Power Engineering Membership award for highest percentage increase in membership. Asked to support a conference in 1991.

24. Old Business - none.

25. Massett moved, Theisen seconded that a get well card be sent by Section to George Taack. Secretary will send.

26. Meeting adjourned at 7:55 PM.

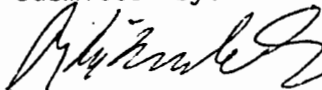
ELECTRON DEVICES SOCIETY
SECTION MEETING REPORT
07 JUNE 1983

A letter was sent on 24 May 1983, inviting the Governor to participate in a "work day" at Martin Marietta to coincide with the ground breaking of the new engineering building at the University of Central Florida. A response from Steve Hull (the Governor's Press Secretary) was received and the response was "The Governor is definitely interested in such a work day especially with a 'high tech' orientation. We have not finalized our work days for the fall of this year and will therefore definitely consider your thoughtful offer".

Dr. Robert Kersten, Dean of the College of Engineering, spoke at the annual dinner meeting of the Electron Devices Society. He gave an excellent overview of the growth and capabilities of the College of Engineering. The meeting was attended by 56 people.

An organization meeting of the high tech forum was held on 24 May 1983, prior to the dinner meeting. The meeting was held with representatives from various organizations who also have interest in participating in the forum. A preliminary organization was established to coordinate these interests per the attached memo.

Submitted by:



R. M. Mindock
Chapter Chairman
Electron Devices Society
Orlando Section
IEEE

RMM/1f



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

ELECTRON DEVICES SOCIETY

PLEASE REPLY TO:

R. M. Mindock
Martin Marietta Aerospace
P.O. Box 5837, MP-189
Orlando, FL 32855
(305)352-2776

27 May 1983

To: High Tech Forum Members,
Florida Delegation to Small Business High Technology Institute,
Orlando Section IEEE,
Florida Council of IEEE

Subject: Report on Organizational Meeting for High Tech Forum

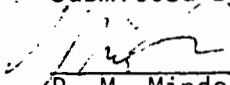
An organizational meeting for a High Tech Forum for central Florida was held on 24 May 1983. The list of attendees and the handouts for the meeting are attached. These handouts included the objectives of the meeting, an agenda and a copy of the proposal made to the Orlando Section of the IEEE for the high tech forum meeting, which is currently planned for the fall of 1983.

At the meeting, committee chairpersons were selected to help establish a network for the small, high technology companies using the High Tech Forum as a focal point. These chairpersons will define the responsibilities and structure of their committees for the next meeting, to be held 21 June 1983 at 4:00 p.m., in the Dean's Conference Room (room 210, Phillips Hall), on the University of Central Florida campus. (Stop at the information booth of UCF for directions to Phillips Hall).

The organization is as follows:

Chairman:	M. Mindock
Program:	A. Polfer
Arrangements:	M. Mindock
Network:	J. Phillips
Publicity:	D. Williams

Submitted by:


R. M. Mindock

RMM/lf

cc: W. Mixson
M. Hagerman
F. Franklin
F. Dill

ORGANIZATIONAL MEETING FOR HIGH TECH FORUM ATTENDEES

24 MAY 1983

<u>NAME COMPANY AFFILIATION</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Mickey Mindock Martin Marietta	262 E. Hornbeam Dr. Longwood, FL 32750	352-2776 Bus. 862-7764 Home
Al Polfer UCF-SBDC	227 E. Hornbeam Dr. Longwood, FL 32750	275-2796
Don Malocha UCF-EECS Department	409 Bay Tree Lane Longwood, FL 32750	862-5693 Home 275-2414 Bus.
Bill Horton Piezo Technology, Inc.	Box 7859 Orlando, FL 32854	293-7301 Home 298-2000 Bus.
W. Duane Williams Technical Publishing Group	P.O. Box 14065 Orlando, FL 32857	841-6714 Bus.
Ralph D. Gunter UCF Research Park	Orlando, FL 32816	275-2275
John H. Rhodes Naval Training Equipment Center	Orlando, FL 32813	646-5515
Jody Phillips Fl Department of Commerce	1050 S. Semoran Blvd. Ste 1311A Winger Park, FL	671-2615

STANDING COMMITTEES

By-LAWS of ORLANDO SECTION HAS

IEEE RECOMMENDS

PROGRAM

PROGRAM

MEMBERSHIP & DEVELOPMENT

MEMBERSHIP DEVELOPMENT

PUBLICITY

PUBLICITY & PUBLIC RELATIONS

FACILITIES & ARRANGEMENTS

PUBLICATIONS

PUBLICATION

AWARDS

AWARDS

FES LIAISON

INTER-SOCIETY RELATIONS

PROFESSIONAL ACTIVITIES

PROFESSIONAL ACTIVITIES

STUDENT ACTIVITIES

STUDENT ACTIVITIES

FINANCE

FINANCE

CHAPTERS

EDUCATIONAL ACTIVITIES

FELLOWSHIP & ATTENDANCE

HISTORY

SPECIAL COMMITTEES

NOMINATION

NOMINATION

ELECTIONS

RECOMMEND ADDING AS STANDING COMMITTEES :

HISTORY (OR ARCHIVES)

EDUCATION COMMITTEE

CONFERENCES COMMITTEE

HOW TO REPRESENT SECTION IN FCIEEE?

(1) CHAIRMAN & VICE-CHAIRMAN OR (2) COMMITTEE

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: May 3, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees: T. E. Ellis
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Joe Massett
Geoffrey Dick
Clark Hay
Wm. C. Cram
Bill Kownacki
Dick Zanowick
Don Mendorf
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Al Fowler
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John Gilbert

Minutes:

1. Open meeting 5:41 PM by Mannie Connell, Chairman.
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\$1000
per Ex Com mtg
6-7-83



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

PLEASE REPLY TO:
1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

May 18, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, June 7, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

I have again notified IEEE Field Services that our Membership Development Chairman is Deen Khandelwal and our PACE Chairman is John Gilbert. I requested the "Pink Sheets" be sent directly to Deen.

A handwritten signature in cursive script that reads "Frank Fluet".

Frank Fluet
Secretary
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE REPORT

7 June 1983

6-7-83
E

1. A large assortment of photos from the SOUTHEASTCON conference have been provided for the Section Notes editor to use in the Notes, including photos of the awards luncheon presentations. The receipt of the Exemplary Section award for the Orlando Section is included. This was the first such award ever made by Region 3; the second award made during the same luncheon went to the Birmingham section.

The framed certificate is currently in the possession of George McClure.
2. The Florida Council's annual Officer Training Workshop will be held Saturday at the Sheraton International Airport Inn, starting at 9:00 AM. All officers and others interested are invited to attend.
3. The President of the IEEE Instrumentation and Measurement Society has indicated a desire to consider holding their 1986 international conference in Orlando, if the section is willing to act as host and handle the local arrangements. The technical program responsibility is retained by the Society, and will not be delegated to the section.
4. The President of the IEEE Professional Communication Society has responded to our inquiry about hosting their annual conference. The 1983 conference will be held in Atlanta in October, and we will get a better idea of the size and scope from that one, since Glenda McClure has been accepted to present a paper there. The PCS hopes to have a west coast site in the next year or two, to reduce the travel cost for west coast members, but is waiting for a section or group to volunteer there. We may want to submit a proposal to hold it in Orlando in 1985. The low air fares to Orlando from most cities in the U.S. is an attraction to hold a conference here. Again, this is a local arrangements hosting function, with the Society working its own technical program.
5. The Vehicular Technology Society is interested in coming back to Orlando for an annual conference sometime after 1985. The Miami section may be interested in hosting that one, after their success with the Communications Society's GLOBECOM last year. The VT conference for 1983 was held last month in Toronto, and the next one will be in Pittsburgh, with Westinghouse supporting it strongly.
6. A letter soliciting advertising has been drafted, together with an advertising order form, and is available for reproduction and mailing to the SOUTHEASTCON exhibitor prospect list, if desired. There are some 300 names on this list. The cost to make such a mailing would be about \$75, for reproduction and postage. The lack of a surplus from SOUTHEASTCON'83 makes more desirable the idea of reducing the monthly cost to the section to publish the section notes. Carrying more advertising is a way to do it.
7. The IEEE Spectrum received the 1983 National Magazine Award for outstanding achievement in a single-topic issue for its special coverage of "Technology in War and Peace." It was selected over other contenders, including American Photographer, Ebony, Money, New York, Scientific American, Time, Life Esquire, Business Week, and Progressive Architecture. A news release is available to the editor of the Section Notes, and it is recommended that members be made aware of this distinction.

George F. McClure



COUNCIL CHAIRMAN'S COLUMN

The upcoming Florida Council meeting is the key annual event benefitting the twelve Florida Sections. All Section officials are invited, indeed, urged to attend, the June 11th Officer Training Session. The IEEE is a huge octopus with tentacles reaching out to the basic member element, the Section. Support for your Section activities is available at Council, Region, and National levels for all projects and programs you consider desirable. The details of this support structure and recommendations for your Section organization are the subjects of this meeting.

The agenda appears in this Newsletter. The broad scope of Institute programs will be reviewed for you by representatives of IEEE Headquarters and Region 3. Incoming Section Officers are most especially welcome for discussions about making a Section grow in vitality, service, and member interest.

In our first Newsletter I mentioned a Council goal this year was to develop a format for encouraging entrepreneurship for the Florida Electronics Industry. Plans have been made to hold an Entrepreneurship Seminar concurrently with Southcon/84 in Orlando, on a separate subscription fee basis. The seminar will examine the financial, business, and organization aspects of high-tech/new-start enterprise for engineers. For those who seek ways to harness their innovative abilities in electrotechnology for their direct benefit, this seminar presented by Silicon Valley veterans is a rare opportunity.

— Art Greene



IEEE

SECTION OFFICER TRAINING WORKSHOP PLANNED

The annual FCIEEE Section Officer Training Workshop will be held at the Sheraton International Airport Inn in Orlando on June 11, 1983. This one-day workshop brings together new and experienced Section officers with Council, Region, and National officials to provide useful information about operating a Section and the support provided from all levels of the Institute. An interchange of useful tips gained from the experience of other officers is another benefit. The Workshop, organized by Bob Kolar, will follow the agenda outlined below.

AGENDA

- 9:00 AM THE SECTION ORGANIZATION
Officers' responsibilities
Committees
Florida Council
- 10:00 AM THE REGION 3 STRUCTURE
Geography
Programs
Southeastcon
- 11:00 AM THE INSTITUTE SUPPORT
National Boards
Educational activities
Member services
- 12:00 N LUNCH
- 1:00 PM SECTION ACTIVITIES
Group Chapters
PACE
Bylaws
Conferences
- 2:00 PM SECTION PROGRAMS
Awards
Public relations
Intersociety contact
Legislative involvement
- 3:00 PM OPEN FORUM - SUCCESSFUL PROGRAM
EXPERIENCES
- 4:00 PM ADJOURNMENT

6-7-83 (D)
from Dave Flinchbaugh

EMERGENCY CONFERENCE

**STOP THE KISSINGER-HARRIMAN
MISSILE CRISIS**

Rebuild the World through Beam Technologies

President Reagan's March 23rd announcement of a new defense policy stunned the world, and rightfully so, since the President outlined a policy to end the age of thermonuclear terror.

In his announcement, President Reagan called on the U. S. scientific community to develop directed energy beam and laser defense systems to usher in an age of Mutually Assured Survival, making nuclear weapons obsolete. A Manhattan-style program to develop these systems will also launch a renaissance of new technologies for civilian use, and will revolutionize our understanding of physics. This is the key to rescuing the U. S. from a new economic depression.

This policy has provoked a vitriolic response from both the Soviet leadership under Yuri Andropov and his admirers in the Democratic and Republican Parties in the United States. While the Manatt-Kirkland-Harriman Democrats and the Kissinger Republicans are leading the wrecking job from inside the U. S., the Soviet Union has initiated a MAD drive to manufacture a new Cuban Missiles Crisis confrontation over the coming weeks. Their purpose? To force a humiliation of the U. S. and a back-down from the strategic doctrine of beam weapon development and Mutually Assured Survival. This would mark the end of the U. S. as a great world power.

Successful implementation of a beam weapons policy holds the key to ending the current economic depression as well as the threat of thermonuclear destruction. With the wide-scale application of the laser, plasma and other spin-off technologies from laser weapons, we could create a real recovery in the economy. We could achieve immediately a 500% increase in productivity in the machine tool industry, a 25% annual rate of growth in the economy overall, and the creation of 4 million new jobs per year. That spells a real recovery and the basis for strategic security.

The NDPC has announced it will sponsor 50 Emergency Conferences over the next 6 weeks and bring this message home to the entire nation. Now is the time to mobilize to end the threat of global confrontation with a high-technology arms and development policy.

ORLANDO PUBLIC FORUM
Orlando, Florida
Sunday, June 26, 1983, 7:00 P.M.
Orlando Holiday Inn--929 West Colonial Drive
Off of I-4 and Hwy. 50
First Floor--Florida Room

SPEAKERS

- LAWRENCE FREEMAN--Regional Director, National Democratic Policy Committee: "The Current Strategic Missile Crisis"
- DR. STEVEN BARDWELL--Editor, FUSION Magazine: "Lasers and the Plasma-Based Economy"

For more information, call: (305)267-5081
(between 9 and 5)
(301)243-4585

6-7-83

(D)

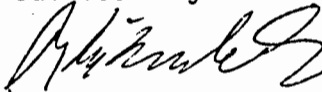
ELECTRON DEVICES SOCIETY
SECTION MEETING REPORT
07 JUNE 1983

A letter was sent on 24 May 1983, inviting the Governor to participate in a "work day" at Martin Marietta to coincide with the ground breaking of the new engineering building at the University of Central Florida. A response from Steve Hull (the Governor's Press Secretary) was received and the response was "The Governor is definitely interested in such a work day especially with a 'high tech' orientation. We have not finalized our work days for the fall of this year and will therefore definitely consider your thoughtful offer".

Dr. Robert Kersten, Dean of the College of Engineering, spoke at the annual dinner meeting of the Electron Devices Society. He gave an excellent overview of the growth and capabilities of the College of Engineering. The meeting was attended by 56 people.

An organization meeting of the high tech forum was held on 24 May 1983, prior to the dinner meeting. The meeting was held with representatives from various organizations who also have interest in participating in the forum. A preliminary organization was established to coordinate these interests per the attached memo. *(Note: The memo is available in the Section Secretary's records).*

Submitted by:



R. M. Mindock
Chapter Chairman
Electron Devices Society
Orlando Section
IEEE

RMM/lf



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

ELECTRON DEVICES SOCIETY

PLEASE REPLY TO:

R. M. Mindock
Martin Marietta Aerospace
P.O. Box 5837, MP-189
Orlando, FL 32855
(305) 352-2776

27 May 1983

To: High Tech Forum Members,
Florida Delegation to Small Business High Technology Institute,
Orlando Section IEEE,
Florida Council of IEEE

Subject: Report on Organizational Meeting for High Tech Forum

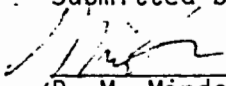
An organizational meeting for a High Tech Forum for central Florida was held on 24 May 1983. The list of attendees and the handouts for the meeting are attached. These handouts included the objectives of the meeting, an agenda and a copy of the proposal made to the Orlando Section of the IEEE for the high tech forum meeting, which is currently planned for the fall of 1983.

At the meeting, committee chairpersons were selected to help establish a network for the small, high technology companies using the High Tech Forum as a focal point. These chairpersons will define the responsibilities and structure of their committees for the next meeting, to be held 21 June 1983 at 4:00 p.m., in the Dean's Conference Room (room 210, Phillips Hall), on the University of Central Florida campus. (Stop at the information booth of UCF for directions to Phillips Hall).

The organization is as follows:

Chairman:	M. Mindock
Program:	A. Polfer
Arrangements:	M. Mindock
Network:	J. Phillips
Publicity:	D. Williams

Submitted by:



R. M. Mindock

RMM/lf

cc: W. Mixson
M. Hagerman
F. Franklin
F. Dill

ORGANIZATIONAL MEETING FOR HIGH TECH FORUM ATTENDEES

24 MAY 1983

<u>NAME COMPANY AFFILIATION</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Mickey Mindock Martin Marietta	262 E. Hornbeam Dr. Longwood, FL 32750	352-2776 Bus. 862-7764 Home
Al Polfer UCF-SBDC	227 E. Hornbeam Dr. Longwood, FL 32750	275-2796
Don Malocha UCF-EECS Department	409 Bay Tree Lane Longwood, FL 32750	862-5693 Home 275-2414 Bus.
Bill Horton Piezo Technology, Inc.	Box 7859 Orlando, FL 32854	293-7301 Home 298-2000 Bus.
W. Duane Williams Technical Publishing Group	P.O. Box 14065 Orlando, FL 32857	841-6714 Bus.
Ralph D. Gunter UCF Research Park	Orlando, FL 32816	275-2275
John H. Rhodes Naval Training Equipment Center	Orlando, FL 32813	646-5515
Jody Phillips FL Department of Commerce	1050 S. Semoran Blvd. Ste 1311A Winger Park, FL	671-2615

6-7-83

06 June 1983

IEEE ELECTRON DEVICES
DINNER MEETING
FINANCIAL SUMMARY

RECEIPTS:	Checks to R. Zanowick	570.00	
	Cash to R. Zanowick	255.00	
	Checks to IEEE	<u>30.00</u>	
	TOTAL		855.00
EXPENSES:	Dinner	794.97	
	Bar	35.00	
	Flower Decoration	17.00	
	Stamps - State-wide mailing of meeting notice	<u>22.40</u>	
	TOTAL		<u>869.47</u>
	LOSS		(14.37)

Expenses paid by R. Zanowick	869.47
Receipts to R. Zanowick	<u>825.00</u>
Money due R. Zanowick	44.37

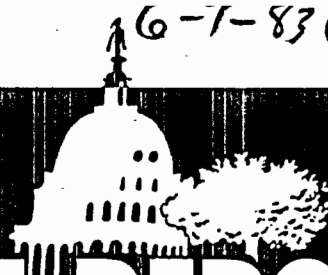
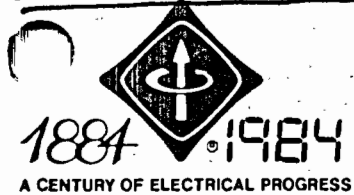
R. L. Zanowick

 R. L. Zanowick

from John Gilbert

6-1-83 (C)

APPENDIX A



LEGISLATIVE REPORT

IEEE

WASHINGTON, D.C. OFFICE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

1111 19th STREET, N.W. WASHINGTON, DC 20036 U.S.A. TELEPHONE (202)785-0017

CONTACT: Edith Carper

EC

May 18, 1983

Vol. V., No. 4

This legislative report is prepared for the information of IEEE officers and selected staff and should not be construed as representing the position of the IEEE or any entity. It is written to provide the recipients insight into current Congressional activities of interest to the IEEE.

IN BRIEF

- * SENATE EXPANDS NUMBER OF FOREIGN STUDENTS ALLOWED TO REMAIN IN U.S.
- * NSF GETS EXTRA MONEY FOR RESEARCH INSTRUMENTATION
- * AGENCIES AGREE ON LANGUAGE FOR JOINT TELECOMMUNICATIONS PLANNING IN EMERGENCIES
- * WHITE HOUSE WANTS A NEW FEDERAL DEPARTMENT OF TRADE
- * SEVERAL CONGRESSIONAL VOICES SPEAK OUT ON SUPERCOMPUTERS
- * BRIEFS

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" SENATE EXPANDS NUMBER OF FOREIGN STUDENTS ALLOWED TO REMAIN IN U.S.

The Senate has voted to lift many of the restrictions on the movements of foreign students who have completed their study at U.S. colleges and universities. The action came during floor consideration May 16 of the immigration reform legislation (S. 529), which was reported out of the Judiciary Committee in April.

OVER

(C)

The liberalizing amendment, sponsored by Sens. Danforth and Moynihan, was adopted by voice vote. An agreement for its acceptance by Sen. Alan Simpson, the bill's sponsor, had already been worked out. It not only broadens the definitions and removes the numerical caps of those students who would not be required to leave the U.S. for two years, but it contains some limits on the waiver authority of the Attorney General.

The only exceptions to the return-home rule in the bill as it came out of Committee were for Ph.D. graduates whose degree is in natural science, mathematics, computer science, or engineering. Under the amendment, students with bachelor's or master's degrees may remain in the U.S. if they have bona fide job offers from industry. Ph.D. graduates, who sign on at universities, are no longer restricted to the four specified disciplines.

As Sen. Simpson explained it, the original restrictions were based on the concepts of the Fulbright student exchange program. They were crafted to permit foreign students to study in the U.S. and return home to share their knowledge and experience. However, it was discovered that graduating students simply do not go home; they go to other industrialized countries or sometimes go underground.

The companion bill in the House has been approved by the Judiciary Committee but not scheduled for floor consideration. It has been referred to the following House Committees: Agriculture, Education & Labor, Energy & Commerce, and Ways & Means."

#

NSF GETS EXTRA MONEY FOR
RESEARCH INSTRUMENTATION

The House has approved an authorization of \$1.3 billion for the NSF in FY 1984, an increase of 18% above the amount the agency received in 1983. It includes \$50 million above the Administration's request to replace and renew research instrumentation equipment. Vote on the measure (on May 12) was 297-111.

The losers in the scrambling of funds were Math and Physical Sciences; Engineering; and Astronomical, Atmospheric, Earth & Ocean Sciences. The following table reflects the actions of the House Science & Technology Committee (in H. Rept. 98-73, Apr. 26):

[Authorizations in millions of dollars]

Activities	Current fiscal year 1983	Administration request fiscal year 1984	Committee recommendation (H.R. 2066)	Changes from administration proposal
Mathematical and physical sciences	\$299.7	\$364.3	\$358.6	-\$5.7
Engineering	100.8	123.0	121.0	-2.0
Biological, behavioral, and social sciences	190.2	223.6	236.4	+12.8
Astronomical, atmospheric, Earth, and ocean sciences	276.2	334.9	329.8	-5.1
U.S. Antarctic program	83.2	102.1	102.1	0
Scientific, technological, and international affairs	44.2	36.8	36.8	0
Research instrumentation initiative	0	0	50.0	+50.0
Program development and management	65.3	66.0	66.0	0
Undistributed	4.5	0	0	0
Subtotal, research and related activities	1,064.1	1,250.7	1,300.7	+50.0
Science and engineering education	30.0	39.0	39.0	0
Special foreign currency	3.1	2.6	3.0	+0.4
Total	1,097.2	1,292.3	1,342.7	+50.4

Research instrumentation was one of the most visible issues during floor consideration. Although there was strong Republican support for it, Rep. Larry Winn's amendment to delete the extra \$50 million went down to defeat. The GOP view, as stated in the committee's report, was that adding the extra \$50 million "to the already increased funding is both fiscally irresponsible and counterproductive. The problem is not best addressed with a glut of monies, or a 'one shot fix-it approach.'"

Also defeated was an amendment by Rep. George Brown that sought to double the funds for instrumentation, by adding \$49 more million to the extra \$50 million. His effort had been supported by Reps. Tim Wirth and a freshman, Rep. Sherwood Boehlert, who incorporated their beliefs in a 'Dear Colleague' letter.

Vote on the Winn amendment was 150-257 and on the Brown amendment 150-255.

The extra \$50 million is to go for instrumentation "for high opportunity R&D to be specifically targeted to support new research initiatives, new laboratory development and to acquire technology for the delivery of instruction in public and private post secondary institutions." The Committee believes the following fields can benefit: robotics, super-computers, biotechnology, advanced materials, image enhancement, information networks, cryogenics, and very large scale integrated circuit design.

The authorization (H.R. 2066) includes the \$39 million the Administration sought for Science & Engineering Education. However, additional funds are given to the Foundation in other legislation (H.R. 1310, the recent emergency legislation in science and math education) which

has passed the House. That bill contains \$130 million for NSF for summer institutes and workshops; post-secondary faculty development, and education research.

In a related action the Senate Labor & Human Resources Committee has approved (on May 5) a \$1.28 billion authorization for NSF (S. 1087).

#

AGENCIES AGREE ON LANGUAGE FOR JOINT
TELECOMMUNICATIONS PLANNING IN EMERGENCIES

The Defense Dept. and the FCC have reached agreement on draft legislation for communications survivability in a national emergency. The method by which survivable communications can be ensured has been under discussion ever since the breakup of the Bell system was proposed. The agreement between DOD and FCC surfaced in Senate hearings May 10-11 on Sen. Barry Goldwater's bill to deregulate international telecommunications (S. 999).

All the witnesses were critical of the language in S. 999 and the 1934 Act empowering the President to establish plans for emergency telecommunications services (in Sec. 707). According to Commission Chairman Mark Fowler, the new language will make it clear that "implementation of the National Security/Emergency Preparedness program may proceed on two alternative bases. First, the President might seek voluntary compliance by the private sector, generally through the use of appropriate contractual or payment arrangements. Second, the President might seek, through normal Commission processes, that the FCC order implementation by the carriers."

Fowler also notified the Committee of another area of potential controversy in the bill, a proposed grant of limited Commission authority over otherwise unregulated enhanced services. "Sophisticated users of communications, including the DOD, are relying increasingly on enhanced services for communications-like requirements." He said the new working draft gives the President authority "to seek voluntary participation in an NS/EP plan by providers of enhanced services and it also grants the Commission authority to adopt regulations providing for priorities in the initiation or restoration of enhanced services."

Another Defense spokesman, Lt. Gen William Hilsman, explained that the Administration is conducting joint planning exercises through the President's National Security Telecommunications Advisory Committee (NSTAC). This body was set up under the authority of an Executive Order signed Sept. 13,

1982. Hilsman said the panel, composed of 28 senior industry executives, is just now completing two reports on specific joint planning initiatives. He added that two major questions have permeated their discussions: 1) what are the anti-trust implications of joint carrier/joint competitor actions to meet NS/EP needs and 2) how will joint planning initiatives be funded and paid for.

According to the Defense witnesses, it is not important whether new statutory language is incorporated in the international telecommunications bill or in a short-form domestic rewrite of the 1934 Communications Act. Sen. Goldwater indicated that he would decide soon on the appropriate vehicle and promised that he would set up hearings in the next four to six weeks.

#

WHITE HOUSE WANTS A NEW
FEDERAL DEPARTMENT OF TRADE

The Administration, after several months of consideration, has endorsed a new cabinet Department of Trade that would combine most of the elements of the Commerce Department and the White House Trade Representative office. "We need a stronger, more consolidated voice for free trade," explained the Secretary of Commerce. Secretary Baldrige announced the President's decision at a briefing on April 25. "If we are to meet the challenges of foreign competition, we must take the institutional steps that meet those challenges by consolidating trade responsibilities in one cabinet department."

This gesture represents the third Administration effort to alter the cabinet structure of government, the other being the efforts to do away with the Departments of Energy and Education.

In the case of the Trade Department, the White House strategy is to join hands with Sen. William Roth, chairman of the Senate's Governmental Affairs Committee. Roth is a champion of a cabinet trade department and has introduced legislation during the past and the present sessions. Hearings on his current bill (S. 121) are in progress and Administration spokesmen say they will negotiate with Roth on the exact elements from Commerce that go into the new agency. At least 25 different agencies have some trade function.

In the House, Rep. Don Bonker has introduced the Department of Trade bill (H.R. 2360). "The thrust of the President's decision deserves the strong support of Congress," Bonker said (on April 26). "The crisis we face as

a nation in our ability to compete in international markets is real. To meet that challenge, we need the strongest possible voice on behalf of trade in the councils of our government.... The fact is that we need international trade and can no longer enjoy the benefits of full employment without a major share of foreign markets."

Bonker's support for a new department does not mean he wants the Commerce Department wiped out because Commerce "has an important function in our government," he said.

#

SEVERAL CONGRESSIONAL VOICES
SPEAK OUT ON SUPERCOMPUTERS

Recognizing the challenge of Japan's concentrated effort to advance computer technology, several Congressional leaders have begun to call for similar dedicated efforts by the U.S. The Congressional overseers of the agencies with big computer development programs (DOD, the Dept. of Energy, NASA, and NSF) are handing out extra money and explicit directions for spending it to the agencies within their jurisdiction.

At the same time efforts have been made in the Administration to develop a unified approach to supercomputer development. OSTP announced on May 4 that it has asked the Departments of Energy and Defense to assume responsibility for addressing the Federal role in supercomputer development and use. The government's supercomputer groups are focussing on three areas. Two, led by the Office of Energy Research (in DOE) aim 1) to use the government's own needs to encourage faster development of supercomputers by manufacturers and 2) to increase access to supercomputers by U.S. researchers. A third group, under DARPA, is working to stimulate the exchange of information on research supported by various agencies in related fields such as artificial intelligence, computer architecture, and software.

[DARPA told a House subcommittee on March 16 that it will spend an additional \$50 million in FY 1984 and \$95 million in '85 on developing a new generation of supercomputers for defense systems needs of the 1990's.]

The President's Science Adviser has said that national interests "require that we maintain a dependable domestic capability to meet our needs. We can't permit foreign manufacturers ... to jeopardize that capability." Dr. George Keyworth added that the U.S. government will not "second-guess or compete with ongoing commercial efforts." Because the computer industry is "fragile," consisting of only a few manufacturers and relatively few customers, "we're

watching this situation closely."

Meantime, these voices are being heard on Capitol Hill, as the first crop of authorization and appropriations committee reports hit the street:

1) The House Science & Technology Committee has "directed" NSF to submit a report to Congress early next year defining national needs for access to scientific computer networks; research needs in software, algorithms and numerical analysis; and use and limitations of computer networks directly or indirectly supported by the Federal government.

2) The House Science & Technology Committee also directed NSF to submit to the Committee periodic progress reports outlining NSF activities that support R&D in hardware and software related to largescale computing.

3) The House Science & Technology Committee added \$4 million to the DOE budget to provide advanced computational resources (Class VI computers) for the Office of Energy Research. The Committee created a new budget line to provide emphasis and to allow for necessary growth without burdening existing research programs. The new line program will provide about 800 hours of advanced computation support on a more permanent basis, starting in FY 1984.

4) The Senate Labor and Human Relations Committee has provided an extra \$25 million in FY '84 for supercomputer research, which includes \$10 million for access.

5) The House Armed Services Committee has chided DARPA for not having a well-developed plan for spending the \$50 million for fifth generation computers in FY 1984. The bill approved by the Committee on May 11 requires the Secretary of Defense to submit to Congress a comprehensive plan for the program before any of the money can be obligated or expended. "The U.S. has been the leader in computer technology and the Committee believes that every effort should be made to maintain this lead," the HASC report stated (H. Rept. 98-107). "U.S. superiority is being threatened by the concerted efforts of other nations to capture the world market in micro-electronics and supercomputers."

#

BRIEFS

Manufacturing Technology Highlighted: Sen. Slade Gorton (R., Wash.) and others have introduced legislation that calls for establishment of a special R&D program for improved manufacturing technology. The program, to be located in the

Commerce Dept., would be funded at \$20 million in FY 1984, \$47 million in FY 1985, and \$57 million annually thereafter.

The bill (S. 1286) was referred to the Commerce Committee.

Sen. Gorton said a Federal effort is needed for these reasons:

Major breakthroughs are possible in the productivity of manufacturing because of potential and existing advances in robots and other programmable machine tools, automated materials handling and transfer systems, industrial uses of computers, lasers, and other exotic sensors allowing degrees

of precision, of automation, and of production flexibility which are impossible with conventional manufacturing methods. However, substantial efforts in research and in the utilization of research findings are needed to usher in these advances on a significant scale.

Joint venture R&D: Legislation to provide anti-trust immunity for joint-venture R&D is moving forward in Congress. Hearings in the Senate Judiciary Committee have been announced for late June and there is considerable discussion in the parallel committee on the House side. The June hearings will be held on S. 737, sponsored by Sens. Mathias, Hart, Specter, Baucus, and Chafee. This bill, simply stated, would establish a set of guidelines or rules relating to joint R&D ventures which, if followed, would provide prima facie protection from challenge on anti-trust grounds.

The House Judiciary Committee has a longer agenda on anti-trust: first, anti-trust "fairness" amendments; proposals for modifying treble-damage remedies, for reducing costs and delays in litigation, and for redefining the limits of mergers and acquisitions among large corporations. Chairman Peter Rodino welcomes the proposals for treble-damage changes circulated by the Administration. These changes, which have not been made public yet, were sent up to Congress on March 28. Recently Assistant Attorney General William Baxter told an industry group (on May 10) that ideally there would be between two and four similar joint R&D ventures in an industry. The combined size of the cooperating companies should be no more than 1/6 or 1/4 the size of all the remaining firms outside the cooperative.

#

6-7-83

(B)

Balance 5/3/83

Checking Account
Dreyfus Fund
Total

\$ 982.42
11,759.79
\$12,742.21

Transfer
none

Income

Add Tek \$ 45.00
1/2 Half Rebate IEEE 996.82
Total \$1,041.82

Expenses

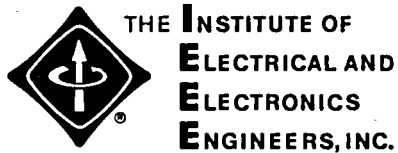
D.D. Khandelwal Postage
Member Development \$ 36.40
House of Beef Deposit
on Dinner 6/25 350.00
W.W. Strickland May
Comm Speakers Dinner 37.08
Total \$423.48

Balance 6/7/83

Checking Account
Dreyfus Fund
Total

\$ 1,600.76
11,759.79
\$13,360.55

0172L/0013K



PLEASE REPLY TO:

1200 W. Colonial Dr.
Orlando, FL 32804
(305) 843-7030

July 21, 1983

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, August 2, 1983

5:30 PM

at

Stromberg-Carlson Training Facility
1044 N. Orlando Ave.
(on 17-92 at intersection of Lee Rd.)
Winter Park, FL

Since many members will be away on vacation, please make an extra effort to attend this meeting so we can have quorum.

****NOTE: All chapter officers should have their budget estimates ready for this, the August 2, meeting.

Frank Fluet
Secretary
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING
ORLANDO SECTION

Date: June 7, 1983

Location: Stromberg Carlson, 1044 N. Orlando Ave., Winter Park

Attendees:	Frank Fluet	D. D. Khandelwal
	Don Mendorf	Mannie Connell
	Ernest Erickson	Joseph L. Massett
	George F. McClure	John Gilbert
	Geoffrey E. Dick	David E. Flinchbaugh
	M. Mindock	

Minutes:

1. Meeting opened at 5:37 by Mannie Connell, Chairman.

2. Treasurer's Report: Don Mendorf

Report reviewed. Action delayed until quorum is reached.

BALANCE 5/3/83

Checking Account	\$ 982.42
Dreyfus Fund	\$11,759.79
Total	<u>\$12,742.21</u>

TRANSFER

None

INCOME

Add TEK	\$ 45.00
1/2 Rebate IEEE	\$ 996.82
Total	<u>\$1,041.82</u>

EXPENSES

D.D. Khandelwal Postage	
Member Development	\$ 36.40
House of Beef Deposit	
on Dinner/6/25	350.00
W.W. Strickland May	
Comm Speakers Dinner	\$ 37.08
Total	<u>\$ 423.48</u>

BALANCE 6/7/83

Checking Account	\$ 1,600.76
Dreyfus Fund	\$11,759.79
	<u>\$13,360.55</u>

3. Mannie Connell announced that Bill Kownacki has volunteered to be Section Notes Editor for next year.

4. Membership Development: Deen Khandelwal

Deen read two letters he received in response to contacts he made to members who had cancelled their IEEE membership. Deen has started distributing forms for Senior Member upgrade. Present membership level of the Orlando Section is 839 (per Mannie).

5. PE&IA: Geof Dick

Geof again requests a candidate be selected for chairman of PE&IA since he is no longer working in those disciplines.

6. By-Laws: E. Erickson

Dr. Erickson is still in process of reorganizing the By-Laws. He compared IEEE recommended committees and the Orlando Section version. He also suggested that By-Laws should specify which officer is the representative from the Section to FCIEEE. Discussion gravitated to wording as "Representative will be the Chairman or his designated representative".

7. Awards: Joe Massett

Joe called for nominees for Service Award. John Gilbert nominated Joe Massett, Geof Dick seconded. Motion carried unanimously.

8. PACE: John Gilbert

John read parts of a "Legislative Report" from IEEE Headquarters.

"SENATE EXPANDS NUMBER OF FOREIGN STUDENTS ALLOWED TO REMAIN IN U.S."

"The Senate has voted to lift many of the restrictions on the movements of foreign students who have completed their study at U.S. colleges and universities. The action came during floor consideration May 16 of the immigration reform legislation (S. 529), which was reported out of the Judiciary Committee in April.

"The liberalizing amendment, sponsored by Sens. Danforth and Moynihan, was adopted by voice vote. An agreement for its acceptance by Sen. Alan Simpson, the bill's sponsor, had already been worked out. It not only broadens the definitions and removes the numerical caps of those students who would not be required to leave the U.S. for two years, but it contains some limits on the waiver authority of the Attorney General.

"The only exceptions to the return-home rule in the bill as it came out of Committee were for PHD graduates whose degree is in natural science, mathematics, computer science, or engineering. Under the amendment, students with bachelor's or master's degrees may remain in the U.S. if they have bona fide job offers from industry. PHD graduates, who sign on at universities, are no longer restricted to the four specified disciplines.

"As Sen. Simpson explained it, the original restrictions were based on the concepts of the Fulbright student exchange program. They were drafted to permit foreign students to study in the U.S. and return home to share their knowledge and experience. However, it was discovered that graduating students simply do not go home; they go to other industrialized countries or sometimes go underground.

"The companion bill in the House has been approved by the Judiciary Committee but not scheduled for floor consideration. It has been referred to the following House Committees: Agriculture, Education & Labor, Energy & Commerce, and Ways & Means."

* * * * *

A number of IEEE cups have been paid for, money will be turned in to the Treasurer.

Frank Fluet moved that the Membership Development Chairman compile a list of new members in the Orlando Section since 9-7-82. (A motion was passed on that date to provide each new member a cup with IEEE logo). Motion seconded by George McClure. Motion carried. Cups can be distributed by listing the recipients names in the Section Notes and the names of individuals who have a supply of cups.

9. AES: Dave Finchbaugh

Reported on NAECON conference and announced public forum meeting to be held at Orlando public library (concerning Beam Weapon technology) Sunday June 26.

10. E.D.: Mickey Mindock

ELECTRON DEVICES SOCIETY
SECTION MEETING REPORT
07 JUNE 1983

A letter was sent on 24 May 1983, inviting the Governor to participate in a "work day" at Martin Marietta to coincide with the ground breaking of the new engineering building at the University of Central Florida. A response from Steve Hull (the Governor's Press Secretary) was received and the response was "The Governor is definitely interested in such a work day especially with a 'high tech' orientation. We have not finalized our work days for the fall of this year and will therefore definitely consider your thoughtful offer".

Dr. Robert Kersten, Dean of the College of Engineering, spoke at the annual dinner meeting of the Electron Devices Society. He gave an excellent overview of the growth and capabilities of the College of Engineering. The meeting was attended by 56 people.

An organization meeting of the high tech forum was held on 24 May 1983, prior to the dinner meeting. The meeting was held with representatives from various organizations who also have interest in participating in the forum. A preliminary organization was established to coordinate these interests per the attached memo. (Note: The memo is available in the Section Secretary's records).

11. Treasurer's report moved for acceptance by George McClure, seconded by John Gilbert. Motion carried.

12. Don Mendorf moved to accept the Secretary's report after changing bottom line of Sheet 2 from "Note-3 withdrawals of \$100 each..." to "Note-3 withdrawals of \$1000 each...". E. E. Erickson seconded. Motion carried.

13. New Business:

13A. It was generally agreed that the "Chapters Chairman" should be listed directly under the "Treasurer" on the last page of the Section Notes.

13B. All Chapter officers should have their budget estimates ready for the August Executive Committee Meeting.

13C. George McClure reported the following:

1. A large assortment of photos from the SOUTHEASTCON conference have been provided for the Section Notes editor to use in the Notes, including photos of the awards luncheon presentations. The receipt of the Exemplary Section award for the Orlando Section is included. This was the first such award ever made by Region 3; the second award made during the same luncheon went to the Birmingham section.

The framed certificate is currently in the possession of George McClure.

2. The Florida Council's annual Officer Training Workshop will be held Saturday at the Sheraton International Airport Inn, starting at 9:00 AM. All officers and others interested are invited to attend.
3. The President of the IEEE Instrumentation and Measurement Society has indicated a desire to consider holding their 1986 international conference in Orlando, if the section is willing to act as host and handle the local arrangements. The technical program responsibility is retained by the Society, and will not be delegated to the section.
4. The President of the IEEE Professional Communication Society has responded to our inquiry about hosting their annual conference. The 1983 conference will be held in Atlanta in October, and we will get a better idea of the size and scope from that one, since Glenda McClure has been accepted to present a paper there. The PCS hopes to have a west coast site in the next year or two, to reduce the travel cost for west coast members, but is waiting for a section or group to volunteer there. We may want to submit a proposal to hold it in Orlando in 1985. The low air fares to Orlando from most cities in the U.S. is an attraction to hold a conference here. Again, this is a local arrangements hosting function, with the Society working its own technical program.

5. The Vehicular Technology Society is interested in coming back to Orlando for an annual conference sometime after 1985. The Miami section may be interested in hosting that one, after their success with the Communications Society's GLOBECOM last year. The VT conference for 1983 was held last month in Toronto, and the next one will be in Pittsburgh, with Westinghouse supporting it strongly.
6. A letter soliciting advertising has been drafted, together with an advertising order form, and is available for reproduction and mailing to the SOUTHEASTCON exhibitor prospect list, if desired. There are some 300 names on this list. The cost to make such a mailing would be about \$75, for reproduction and postage. The lack of a surplus from SOUTHEASTCON'83 makes more desirable the idea of reducing the monthly cost to the section to publish the section notes. Carrying more advertising is a way to do it.
7. The IEEE Spectrum received the 1983 National Magazine Award for outstanding achievement in a single-topic issue for its special coverage of "Technology in War and Peace." It was selected over other contenders, including American Photographer, Ebony, Money, New York, Scientific American, Time, Life, Esquire, Business Week, and Progressive Architecture. A news release is available to the editor of the Section Notes, and it is recommended that members be made aware of this distinction.

George F. McClure

14. SOUTHEASTCON: Don Mendorf (for Russ Theisen)

SOUTHEASTCON '83 has lost money. Detailed accounting is being prepared.

Student counselors from 3 universities have written Region 3 requesting a partial refund of fees due to dissatisfaction with student activities at SOUTHEASTCON. The committee has addressed these problems and will resolve them shortly. A draft response was read, specifying reasons why refunds should not be made. The draft and its implications were discussed.

Frank Fluet moved that the Section concurs with the intent of the draft. Seconded by George McClure. Motion Carried.

15. Next meeting will be Tuesday, August 2, 1983.
16. Meeting adjourned at 7:11 PM.