



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

August 13, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, August 28, 1984

5:30 PM

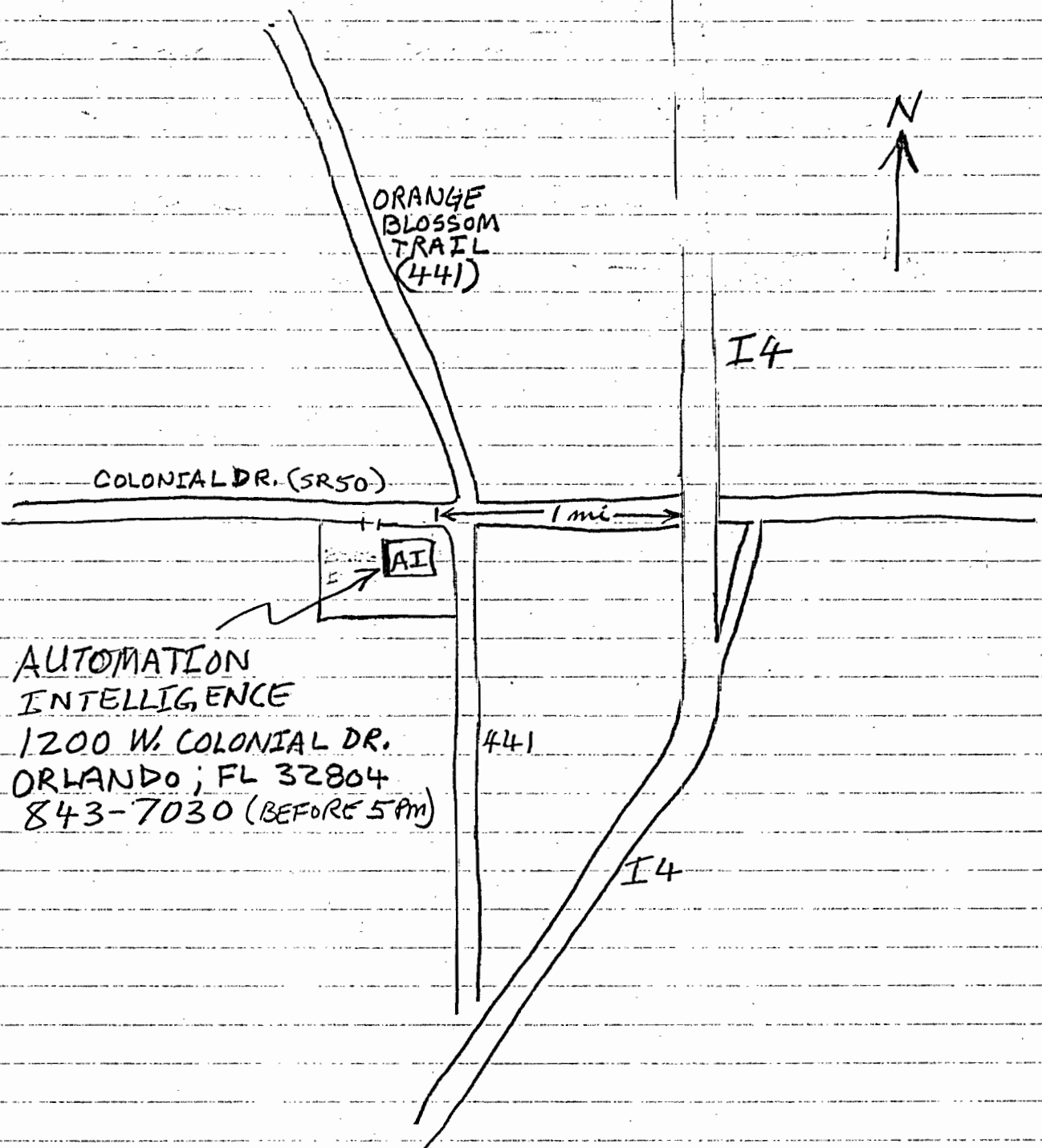
at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

A handwritten signature in cursive script that reads "Donald C. Malocha".

Donald C. Malocha  
Secretary  
IEEE Orlando Section



NOTE: USE FRONT ENTRANCE UNTIL 6 PM.  
AFTER 6 PM, USE REAR ENTRANCE (TWO SHORT RINGS  
OF NITE BELL WILL SUMMON SOMEONE TO THE DOOR).

1984 Installation Banquet  
June 23, 1984

Income

Banquet ticket sales (30) \$ 450.00  
Ticket sales outstanding (2) \* 30.00

Budget  
Speaker & wife (2) 30.00  
Speaker expenses 150.00  
Misc 100.00

Total Income \$ 760.00

Expenses

Langford Hotel  
Dinners (34) \$ 514.25  
Bar 35.00  
Postage for mailings \$ 549.25  
Plaque 10.64  
27.30

Total expenses 587.19

Cost of Banquet (below budget) \$ 172.81

Actual out of pocket expense to section \$ 107.19

\* Check given to J. Massett for forwarding to treasurer  
(Assumed paid 7-2-84)

29. Meeting adjourned at 7:30 pm. Members broke into work groups to discuss the Centennial items and budget.
30. Time/Place of next meeting:  
Aug. 28, Tue., 5:30 pm, Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 and Colonial Drive )

disk:ieee  
file:ieeexc01



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

4 Robinwood Drive  
Longwood, FL 32779-9743  
Home - (305) 321-0319  
Off - (305) 339-1600

AUGUST 1, 1984

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, AUGUST 7, 1984

5:30 PM

at

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

A handwritten signature in cursive script that reads "George B. Taack, Jr." The signature is fluid and stylized, with the first and last names being more prominent.

George B. Taack, Jr.  
Vice Chairman  
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING  
ORLANDO SECTION

DATE: JUNE 5, 1984

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

Attendees:	George Taack	Ed Ellis
	Geoffrey (Jeff) Dick	Don Malocha
	Kenneth B. Stein *	Stephen J. Gizinski III *
	Frank Fluett	Wm. C. (Bill) Cram
	Madjid A. Belkerdid	Jorge Medina
	Carl F. Schunemann	Mike Oleyar
	Russ Theisen	John D. Gilbert
	Fred O. Simons, Jr.	

\* visiting students

MINUTES:

1. Meeting was called to order at 5:41 p.m. by Ed Ellis, Chairman. A quorum was not present however the meeting was started. At 6:05 p.m. a quorum was determined to be present.
2. The May minutes were disseminated without the attachments. Copies will be furnished upon request of the attachments. It was pointed out that Item 18, SOUTHEASTCON, was a closed item and should be deleted from the minutes. A motion was made by Jeff Dick to accept the minutes. Frank Fluett seconded the motion. Motion passed.
3. Treasurer's Report - Carl Schunemann:  
  
The treasurer's report was submitted by the treasurer. A motion was made by Russ Theisen to approve the report. Motion seconded by Bill Cram. Motion carried.

Checking account balance (5-1-84) \$ 1,712.91

Deposits

PE/IA dinner (3/22)	\$ 88.00
Computer Tutorial Week	500.00
Advertising checks	
Fla Inst of Tech	60.00
Probe Consultants	40.00
February banquet	15.00
	<u>703.00</u>

Subtotal \$ 2,415.91

Disbursements

Sec. mailings	\$ 23.91
---------------	----------

Mike Haddad (PE/IA dinner)	110.00
D. Khandelwal postage	5.00
D. Khandelwal postage	13.60
D. Khandelwal (book/poster)	135.90
Seminole House Printers	380.88
Altamonte Data Processing	38.64
Altamonte Data Processing	36.00
	<u>(\$ 743.93)</u>

Balance (6-5-84)	\$ 1,671.98
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#### Current Status

Checking balance (6-5-84)	\$ 1,671.98
---------------------------	-------------

Dreyfus Fund (6-1-84)	<u>10,012.46</u>
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Total	\$11,684.44
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Unpaid bills (as of 6-5-84)

None.

#### Chairman's Report - Ed Ellis:

4. The Chairman thanked the members of the Executive Committee for the support given him during the year.

#### 5a. Programs - George Taack:

The Installation Banquet has been set for Saturday, June 23, 1984. It will be held at the Langford Hotel in Winter Park. There will be a cash bar before the banquet which will have Prime Rib as the meal. The cost will be \$15.00 a person. A request was made to the Astronaut Office at the Johnson Space Center for a mission specialist who has flown in space to be the speaker. A reply was received that was worded the same as last year saying all the specialists were busy with other assignments. The speaker will be Bob Duggan who is the Region 3 Vice Chairman. His topic will be "A Fresh Look at Behind the Bamboo Curtain". The program will cover his two trips to China with the last one being in 1983 as a member of a microwave exchange team. He will be assisted by his wife Kathleen. This program has been presented to other sections in Region 3 and has received good reviews.

Due to the cost involved, a reservation will constitute the same as a ticket sale. The person making the reservation will be responsible to pay for the event unless the commitment is withdrawn prior to the Section providing the guarantee count on June 21.

5b. Centennial Activities - Deen Khandelwal:

Deen Khandelwal was not in attendance. No report was given. George Taack reported that Mike Haddad had finished coping the centennial slides and would be getting them to Deen Khandelwal in the near future.

6. Public Relations - George McClure:

No report.

7. Publications - Al Fowler:

Ed Ellis reported that Al Fowler would be out of town for the next two weeks. The section notes have been mailed. Correction of Carl Schunemann's phone number and the dropping of the SOUTHEASTCON committee needs to be given to AL Fowler. There is no FCIEEE representative listed however George McClure and Russ Theisen are both officers this year in FCIEEE.

There will be no notes published in July. The information for the August notes will be due on July 20, 1984.

8. Awards - Joe Massett:

Ed Ellis reported that the nomination for Outstanding Engineer of Region 3 and nomination for Vice-Chairman of Region 3 were due. Also the nomination for the Exemplary Section of Region 3 is due. We will nominate our section for this award. No one had any contact with Joe Massett.

9. Intersociety Liaison - Richard C. Harden:

Florida Council of IEEE - Russ Theisen reported on the meeting held on June 2, 1984 at the Sheridan Jet Port. See attached report. He also stated that there were available some partitions requesting John Miller's name be placed on the ballot for Vice-Chairman of Region 3. John Miller was the program for the FCIEEE meeting.

Florida Engineering Society - No report. Someone is needed to represent the section at FES who is a registered professional engineer in the state of Florida. Any volunteers.

10. PACE - John Gilbert:

John Gilbert reported on the goals of Region 3 (see attached handout from FCIEEE). He also reported that PACE would pay 25% of the printing costs of the Section Notes if at least one page on PACE was included in an issue of the Notes. PACE will not pay for the cost of mailing.

Ed Ellis commented on the IMPACT magazine and recommended every one take it.

11. Student Activity - Richard Miller:

Richard Miller was not at the meeting so no report was given however two students were visiting. See attendance for their names.

12. Education - Fred O. Simons:

Dr. Simons reported that UCF College of Continuing Studies would co-sponsor the Televideo conferences that IEEE has scheduled. See attached letter form Dr. Vince Amico confirming this activity.

Dr. Simons recommended that students from any professional society, e.g. ASME, ASM, IEEE, etc., be allowed to be members of the student chapter. Bill Cram made a motion to recommend to the By-Laws committee to define a student member so as to allow students from allied fields to become members of the student chapter. Carl Schunemann seconded the motion. Motion carried.

13. Membership Development - Deen Khandelwal:

Russ Theisen reported that there were 898 members in the section as of May 30, 1984 comprised of the folling breakdown:

Life Fellows	8	DCA ^ ow
Fellows	4	
Life Senior Members	30	
Senior Members	100	
Life Members	21	
Members	541	
Pending Members	9	
Life Affiliates	1	
Affiliates	34	
Student Members	92	(24% more this year)

94 members are in the arrears

Deen Khandelwal is contacting the arrears members to remind them their dues is due.

14. By-Laws - Ernest E. Erickson:

George Taack reported that the proposed by-laws had been mailed to the executive committee in accordance with the current by-laws. It was recommended that they be passed. Bill Cram moved that the proposed by-laws be adopted. Frank Fluet seconded the motion. Motion passed.

George Taack reminded everyone that under the by-laws just accepted that proposed budgets are now required to be submitted by June 30th.

15. SOUTHCON - Bruce E. Mathews:

Russ Theisen reported that SOUTHCON was trying to get more space for the next conference. There was over \$100,000.00 surplus from the last conference. Half of the surplus was allocated to reserves for the next conference, and the remainder was split on a 60/40 basis between Region 3 and the Florida Council. Florida Council received \$10,767.60.

16. Advertising Manager - William A. Kownacki:

No report due to no representation.

17. Historian - Russell E. Theisen:

Russ Theisen reported that the section was 25 years old on May 13th. Ed Ellis read a mailgram he received from Richard Gowen the current president of IEEE. See attached mailgram.

18. SOUTHEASTCON - Russell E. Theisen:

Committee is now closed.

Society Chapter Reports

19. AES - Dave Flinchbaugh:

No report due to no representation.

20. Communications - Madjid A. Belkerdid:

Mike Oleyar reported that the meeting held on May 16, 1984 had 13 people (1 visitor) in attendance. Madjid Belkerdid gave a technical program on spread spectrum characteristics.

The following officers were elected:

Chairman	Madjid A. Belkerdid
Vice-Chairman	Michael HALLIS
Secretary	Mike Oleyar

21. Computer - Stephen E. Forsythe:

Jorge Medina reported that the last meeting was canceled. There are no known programs in the mill.

22. Electron Devices - Ralph M. Mindock:

Don Malocha reported that no meetings were planned and returned the banner used at the last meeting.

23. AP/MTT - Fred Wilcox:

Carl Schunemann reported for Fred Wilcox that they were working on next fall's program which had not been finalized. He also said that he was determined not to let AP/MTT die.

24. PE/IA - Mike Haddad:

No report due to no representation. Ed Ellis talked about the IEEE Energy slide presentation and where it might be presented.

25. Chapters Chairman - Geoffrey Dick:

Jeff Dick reported that 31 meetings were held (most were technical) along with 4 socials and 4 conferences. This is the most activity that he has seen in years.

26. Old Business

*DCM*  
It was pointed out that a vote had not been taken on the new slate of officers. Russ Theisen moved to elect the slate by accumulation. Carl Schunemann seconded. Motion carried.

*accumulation*  
27. New Business

Carl Schunemann pointed out the UCF student chapter may want to use the slide presentations on the centennial and energy program.

Mickey Mindock has left Martin and is president of his own business as High Tech Sensors. The phone number is 862-8182.

Don Malocha is to represent the student activities committee since he will be able to attend all the meetings this year.

Proposed budgets are due by the end of June.

The Engineering Accreditation Board for Engineering and Technology (EAB) needs volunteers to serve on teams to take a week to go to a college or university to review their programs. They prefer people from government or industry.

Candidates for the position of President-Elect are Jose' B. Cruz Jr. and Bruno O. Weinschel.

Frank Fluet stated that selection of chapter officers for next year should be completed by June 30, 1984.

28. Bill Cram moved to adjourn. Mike Oleyar seconded. Motion carried. Meeting adjourned at 7:06 PM.

29. Next meeting is Tuesday, August 7, 1984, same time and place.

IEEE M INFANTE  
345 EAST 47 ST  
NEW YORK NY 10017 1447

Western Union Mailgram

-0273145135 05/14/84 ICS IPMTZZ CSP ORLB  
2127057755 MGM TDMT NEW YORK NY 129 05-14 0107P EST

T. E. ELLIS, CHAIRMAN  
IEEE ORLANDO SECTION  
902 REDBIRD LN  
ALTAMONTE SPRINGS FL 32701

THE BOARD OF DIRECTORS JOINS ME IN SENDING OUR HEARTIEST CONGRATULATIONS TO THE ORLANDO SECTION ON ITS 25TH ANNIVERSARY. FORMED ON MAY 13 1950, YOUR SECTION'S RECORD IS ONE OF WHICH YOU CAN BE JUSTIFIABLY PROUD. THE REAL BACKBONE OF ALL OUR EFFORTS IN THE IEEE IS THE VOLUNTARY SERVICE OF OUR MEMBERS. SUCH AS THOSE IN THE ORLANDO SECTION. IN CARRYING FORTH THE WHOLE ARRAY OF ACTIVITIES WE UNDERTAKE. WE SEND TO THE OFFICERS AND MEMBER OF THE ORLANDO SECTION OUR BEST WISHES FOR YOUR CONTINUED SUCCESS IN EXPANDING THE PRE-IMMINENCE OF IEEE AND THE VALUE OF MEMBERSHIP IN THE TERRITORY SERVED BY THE ORLANDO SECTION.

RICHARD J GOWEN PRESIDENT

1312 EST

MGMCOMP MGM

5/12/84

JUNE 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM STROMBERG ANEX:	6	7	8	9
10	11	12 AES MTG. DR. R. JOHNSON: INDUSTRIALIZATION OF SPACE YORK STEAK HOUSE FASHION SQ. 6:30PM	13	14 FLAG DAY	15	16
17 FATHER'S DAY	18	19	20	21	22	23 INITIATION BANQUET ENGINEERING IN SPACE LANGFORD HOTEL 6:45PM
24	25	26	27	28	29	30

bamboo  
curtain

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JUNE 5, 1984

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CHECKING ACCOUNT BALANCE,

MAY 1, 1984 TREASURER'S REPORT: \$1712.91

DEPOSITS TO CHECKING ACCOUNT:

- 1.) 5 CHECKS RECEIVED FROM 88.00  
MIKE HADDAD, CHAIRMAN PES/IAS,  
MARCH 22, 1984 DINNER MEETING.  
( $2 \times \$11 + 3 \times \$22 = \$88$ )
- 2.) CHECKS RECEIVED FROM AL FOWLER,  
FROM SECTION NOTES ADDS.
  - a.) FLORIDA INSTITUTE OF TECHNOLOGY 60.00
  - b.) PROBE CONSULTANTS, INC. 40.00
- 3.) <sup>tutorial week</sup> IEEE COMPUTER SOCIETY CHECK, 500.00  
RECEIVED FROM RUSS THEISEN.  
(#2774 DATED 5-2-84)
- 4.) CASH RECEIVED FROM GEORGE THACK, 15.00  
LAST INCOME FROM FEB. BANQUET. 3.00

---

SUBTOTAL, PREVIOUS BALANCE PLUS DEPOSITS = \$2415.91

5, 1984 TREASURER'S REPORT  
~ CONTINUED ~

DISBURSEMENTS:

# 1119 GEORGE B. THACK, JR. \$ 23.91 ✓

SECRETARY'S EXPENSES PER  
MAY 1, 1984 STATEMENT.

# 1120 MIKE HADDAD, PES/IKS \$ 110.00 ✓

MARCH 22 DINNER MEETING  
EXPENSES, PER 5-1-84 STATEMENT

# 1121 D. D. KHANDELWAL \$ 5.00 ✓

POSTAGE, A+E LETTERS, APRIL;  
PER 4-27-84 STATEMENT

# 1122 D. D. KHANDELWAL \$ 13.60 ✓

POSTAGE, LETTER TO LIFE MEMBERS,  
PER 5-7-84 STATEMENT.

# 1123 D. D. KHANDELWAL, \$ 135.90 ✓

BOOKS + POSTERS FOR ORLANDO PUBLIC

LIBRARY DISPLAY, PER 5-11-84 STATEMENT

# 1124 SEMINOLE HOUSE PRINTERS, \$ 380.88 ✓

MAY SECTION NOTES, INVOICE # 7169,  
5-8-84.

# 1125 ALTAMONTE DATA PROCESSING, \$ 38.64 ✓

POSTAGE, 5-1-84 MAILING, INVOICE # 15230

# 1126 ALTAMONTE DATA PROCESSING, \$ 36.00 ✓

5-2-84 INVOICE # 15228

LABEL, SORT, BAG, + DELIVER TO POST OFFICE.

TOTAL DISBURSEMENTS = \$ 743.93

JUNE 5, 1984 TREASURER'S REPORT  
~ CONTINUED ~

## SUMMARY:

PREVIOUS CHECKING BALANCE  
PLUS DEPOSITS = \$ 2415.91

DISBURSEMENTS = 743.93

CHECKING ACCOUNT BALANCE, = \$ 1671.98

JUNE 5, 1984

DREYFUS ACCOUNT BALANCE, = 10,012.46

JUNE 1, 1984

GROSS FUNDS = \$ 11,684.44

RESPECTFULLY SUBMITTED,

Carl F. Schunemann  
TREASURER

IEEE

## INSTALLATION BANQUET

DATE: SATURDAY, JUNE 23, 1984

PLACE: LANGFORD HOTEL - WINTER PARK

TIME: CASH BAR & SOCIALIZING 6:45PM  
DINNER 7:30PM

PROGRAM: INSTALLATION OF OFFICERS  
AND

"A FRESH LOOK AT BEHIND THE BAMBOO CURTAIN"  
BY BOB DUGGAN AND ASSISTED BY HIS WIFE KATHLEEN

COST: \$15.00

MEAL: PRIME RIB, BAKED POTATO, CARROTS, TOSSED GREEN  
SALAD, AND DESSERT.

(IF RESERVATIONS ARE RECEIVED BY TUESDAY JUNE  
19, IT MAY BE POSSIBLE TO SUBSTITUTE A SEAFOOD  
ENTREE FOR THE PRIME RIB)

Bob Duggan is employed by Lockheed-Georgia and is currently a Director of Region 3. The program is a composite of his two trips to China as a member of a microwave exchange team with the last trip occurring in 1983. The talk will contain cultural, technical, and ecological comments and will be supplemented by slides taken during the trips. Kathleen will make comments from a woman's view point. This program has been presented to other sections in Region 3 and has received good reviews.

RESERVATIONS: PLEASE CALL RESERVATIONS IN BY JUNE 21  
339-1600

GEORGE TAACK - EXT 200

ED ELLIS - EXT 203

NOTE: Due to the cost involved, a reservation will constitute the same as a ticket sale. The person making the reservation will be responsible to pay for the event unless the commitment is withdrawn prior to the Section providing the guarantee count on June 21.

Geoffrey E. Dick  
1014 Carvell Drive  
Winter Park, Florida

May 19, 1984

Mr. George B. Taack Jr.  
4 Robinwood Drive  
Longwood, Florida

Dear George,

Enclosed is the revised calendar schedule for June 1984 IEEE activities. It was revised on 5/12/84 from information received at the Orlando Executive meeting and telephone updates.

It has been a great pleasure working with you this year. Your contribution to IEEE has been of great value to the Orlando Section.

With all my best,

*Geoffrey E. Dick*  
Geoffrey E. Dick

5/12/84

JUNE 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM STROMBERG ANEX	6	7	8	9
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17 FATHER'S DAY	18	19	20	21	22	23 INITIATION BANQUET "ENGINEERING ! IN SPACE" LANGFORD HOTEL! 6:45PM
24	25	26	27	28	29	30



# UNIVERSITY OF CENTRAL FLORIDA

COLLEGE OF EXTENDED STUDIES

ORLANDO, FLORIDA 32816-0177 (305) 275-2123

May 18, 1984

Mr. T. E. Ellis  
902 Redbird Lane  
Altamonte Springs, FL 32701

Dear Mr. Ellis:

Your education committee chairman, Dr. F. O. Simons, has confirmed with me that the IEEE will co-sponsor the IEEE Video conference series. The College of Extended Studies will provide the following services:

- a. Assume financial responsibility for the Video Conference program.
- b. Place a one page ad in the Section Notes at least once per Video Conference.
- c. Structure registration fees to promote IEEE membership.
- d. List the Orlando Section IEEE as a co-sponsor.
- e. Consult with the Orlando Section of IEEE in establishing planning budgets and registration fees.
- f. Provide a summary report on each Video Conference including data on attendance, income, and expenses.

It is our understanding that Dr. Simons would serve as liaison officer between the Orlando Section of IEEE and the University of Central Florida, College of Extended Studies. He will answer questions relating to the program and resolve problems as they occur.

We are looking forward to co-sponsoring this Video series conference with your organization. This program represents a positive step in the use of advanced communication techniques for the professional development of engineers in the Orlando area.

Sincerely,

A handwritten signature in dark ink, appearing to read 'V. Amico'.

V. Amico  
Coordinator

VA:cb

cc: Dr. F. O. Simons  
Dr. B. Matthews

# IEEE NEWS

**RESIDENT-ELECT KING DIES** - Donald D. King, 1984 IEEE President-Elect, died March 13, at the age of 64. The reported cause of death was a cerebral hemorrhage.

This is the first time in IEEE history that a resident or president-elect has passed away while in office. By IEEE Bylaw 301.15, an assembly consisting of 23 members will elect replacement, who will fulfill Dr. King's 3 year term. The assembly members are the resident, Past President, Executive Vice President, 10 Regional Delegates and 10 Divisional Delegates. (from EE Times)

**IEEE ELECTION BALLOTS** will be mailed first class rather than third class this year. This will cost IEEE an additional \$46,000, but will ensure that all members receive their ballots. Major election deadline dates:

- May 1 - Names of candidates announced to members
- May 25 - Petition nominations due  
Constitutional amendment petitions due
- August - Election material published in the "Institute"
- Sept 1 - Ballots mailed
- Nov 1 - Deadline for ballot returns
- Nov 11 - Results announced

**POTENTIAL SENIOR MEMBERS** who lack Senior member or Fellow references can now submit people known on a professional basis as references, subject to A&A Committee approval. The candidates, after checking with their Section chairman or Regional Director, should submit written explanation with their references.

**NOTE:** Fellow nominations are due by April 30!

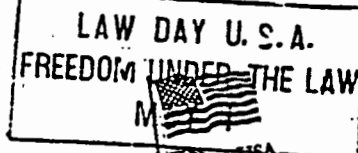
## FLORIDA COUNCIL OF IEEE

### 1984 INITIATIVES

1. Section Assistance - Support local section in revitalization (e.g., Jacksonville without current officers).
2. Programs Clearinghouse - Serve as exchange center for program ideas and coordination of speaker tours to multiple sections. Through receipt of program announcements from sections' program chairmen and/or newsletters, maintain current list of programs planned in all Florida sections.
3. Awards Program - Expand awards program to solicit 6 exemplary section nominations each year. Establish FCIEEE-level awards for Florida sections and members; a Florida nominee selected for each awards category recognized by Region.
4. PACE - Revitalize PACE activities at section level; maintain contact with PACE chairmen; assist in securing PACE speakers and in going after PACE projects; in setting up SPAC conferences at schools.
5. Conferences - Establish a conference committee to aid sections in hosting conferences, and in maintaining current data for possible FCIEEE conference activity.
6. Public Relations - Establish a public relations committee on the Florida Council, reporting events of interest statewide or to selected areas of interest: SPAC promotions; seminars, awards.
7. SILA - Monitor closely activities of interest, assuring that legislators receive advice from the engineering community.
8. FCES - Monitor activities, define role and interest (if any) by FCIEEE.
9. Career Guidance - Assist in setting up career management seminars for experienced engineers; work with local secondary schools to provide Career Day speakers on engineering topics.
10. Centennial Plans - Set up one-year committee to assist sections with ideas and contact points for appropriate Centenn celebration topics, speakers, and ideas; to assist in mounting a local PR campaign to make the IEEE Centennial known in the local communities.
11. Education - Serve as section liaison and ombudsman to encourage local sections in tutorials and short courses, in publicizing them across section boundaries where appropriate (e.g., technical topics, small business assistance, patents, planning for retirement).
12. Membership and Chapter Development - Assist sections in mounting membership campaigns, in organizing new society chapters, in coordinating joint chapters among sections (e.g., EMC and S-I&M).

Deborah C. Murphy  
200 80th Avenue NE  
St. Petersburg, FL 33702

Mr. George B. Taack  
4 Robinwood Drive  
Longwood, FL 32750



574-253  
327-8715  
MAY 15 1984  
MAY 15 1984

# FCIEEE TREASURERS REPORT

JUNE 2, 1984

Period April 10 - June 1, 1984

Balance forward

RUTLAND BANK

SUN BANK

AMOUNT

\$ 3,918.75

9.25

\$ 3,928.00

## INCOME

Interest Rutland Bank

Sun Bank

\$ 30.07

0.00

FLORIDA WEST COAST

\$ 200.00

Rutland / Sun bank transfer

\$ 3,915.75

SOUTH CON CONF. Profit Excess CK6651 \$ 10,767.60

\$ 18,841.42

## DISBURSEMENT

Rutland / Sun bank transfer CK121

\$ 3,915.75

Sun Bank

Postage CK 237 George McClure

\$ 21.70

Repro/Postage CK 238 R Theisen

\$ 46.17

Student Aid CK 239 Rolf Hawkins

\$ 211.68

April Printing CK 240 Kwik Kopy Printing

\$ 30.45

Postage CK 241 Debbie Murphy

\$ 20.00

CD 10% 6m CK 242 Sun Bank

\$ 10,000.00

Postage CK 243 Jim Kurtz

8.20

Stationary CK 244 IEEE

\$ 26.74

Postage CK Total Disbursement

\$ 14,280.69

Checking

\$ 4,560.73

CD. Sun Bank 10% 6 months

\$ 10,000.00

R. Theisen

R. Theisen

Balance

\$ 14,560.73

FCIEEE Treasurer

J: K. Reed Thompson PE  
Chairman Nominations Committee  
Region 3

SUBJECT: Nomination for Vice-Chairman Ballot for Region 3

Dear Sir:

I submit John J. Miller, S/M 6087167 as a candidate for Vice-Chairman for Region 3 for the next Regional Election.

NAME: \_\_\_\_\_

IEEE TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

---

K. REED THOMPSON, CHAIRMAN  
IEEE REGION 3 NOMINATING COMMITTEE  
GENERAL ELECTRIC COMPANY  
1501 ROANOKE BLVD., ROOM 250  
SALEM, VIRGINIA 24153

BYLAWS OF THE ORLANDO SECTION, IEEE

(Revised 6/30/84)

010 Section Name

This organization shall be known as the Orlando Section of the Institute of Electrical and Electronics Engineers.

020 Section Territory

The Orlando Section shall be composed of IEEE members whose IEEE mailing addresses are within the following counties, all in the State of Florida:

021 Orange County

022 Osceola County

023 Seminole County

024 Lake County

025 Sumter County

030 Section Officers

031 Elected Officers and Duties

The following Officers shall be elected by the general membership of the Section: Chairman, Vice-Chairman, Secretary, Treasurer.

031.1 Chairman - The Section Chairman is the executive officer of the Section and has general supervision of the affairs of the Section. One of his chief duties is to act as Chairman of the Section Executive Committee, to hold regular meetings of that committee and see that, by action of that committee,

the affairs of the Section are handled properly and in the best interests of IEEE. He shall appoint chairmen for all standing committees of the section. Each year, he shall appoint a Nominating Committee not later than the date set for the Executive Committee meeting in January and an Elections Committee not later than the date set for the Executive Committee meeting in April. He shall appoint other special committees and members-at-large (see Section 051.6)

as deemed necessary to accomplish specific tasks. The Chairman presides at all meetings of the Section and represents the Section at all IEEE meetings. He serves as the Section representative on the Regional Committee and shall serve as the representative of the Section in the Florida Council of IEEE (FCIEEE).

031.2 Vice Chairman - The Vice Chairman shall automatically become the chairman when a vacancy in the Chairman's Office is created by any situation. The Vice Chairman shall perform the duties of the Chairman in the conduct of the Section and the Executive Committee whenever the Chairman is unable to attend or participate in those activities. He shall acquire, compile, and distribute material relevant to the duties of each office (elected and appointed) as presented in the IEEE Section Manual and augmented by Orlando Section Bylaws. The Vice Chairman shall serve as a member of the Finance Committee. He is an alternate delegate from the Section to the Florida Council of IEEE and shall serve as the Section representative at any meeting of the Florida Council of IEEE in the absence of the Section Chairman.

031.3 Secretary - The Secretary shall record and distribute the minutes of all Section and Executive Committee meetings. He is also responsible for preparing the Section Annual Report, summarizing all of the meeting activities of the Section and Group/Society Chapters for the calendar

year, submitting this annual report so that it complies with IEEE Headquarters rebate deadline dates. The Secretary shall keep a file of all significant correspondence, records, and reports of the Section for the administrative year.

031.4 Treasurer - The Treasurer is custodian of all funds of the Section. He shall keep a record of all financial activities of the Section, maintain a checking account in the name of the Section, and invest, with approval of the Executive Committee, all idle funds of the Section. The Treasurer shall serve as Chairman of the Section Finance Committee which shall include the Junior Past Chairman and the Vice-Chairman. He shall assist the Section Chairman in preparing a Section Budget, which shall be presented as defined in Section 071 herein to the Section Executive Committee for approval. He is then responsible for managing that budget by recording the income and expenditures in relation to the Budget. Any overrun of the Budget shall be immediately brought to the attention of the Section Executive Committee. He shall submit a report covering the financial activities since the last previous report at each regular Executive Committee meeting. He shall submit a Section Financial Report for the prior calendar year to the IEEE General Manager and to the Regional Director no later than February 1 of the current year.

032 Officer Elected by the Chapters

A Group/Society Chapters Representative shall be elected by the chapter chairmen each year at the August meeting of the Executive Committee, or as soon thereafter as a quorum consisting of half the chapter chairman plus one can be convened. The outgoing Group/Society Chapters Representative shall continue to serve until a successor is elected. The Group/Society Chapters

Representative is a member of the Executive Board. He may be a present or past chapter chairman; his role is to act as spokesman for the chapters, to advise them on procedural matters, and to maintain a meeting calendar for chapters and section meetings, assisting in setting meeting dates to avoid conflicts between meetings.

### 033 Qualification for Elected Officers

All Elected Officers must be members of the Orlando Section at the time of nomination and must maintain an active membership status throughout the term of office. They must be willing and able to serve in the capacity for which they are nominated.

### 034 Appointed Officers and Duties

The Section Chairman shall appoint chairmen for each of the following standing committees and shall appoint special committees as required. Such appointees shall serve at the pleasure of the Section chairman.

#### 034.1 Standing Committees

034.1.1 Program Committee - This Committee shall provide the programs and speakers for Section meetings as directed by the Section Chairman and the Executive Committee. It coordinates the timing of section meetings with the Group/Society Chapter Representative. This committee shall also make all arrangements for facilities and for the printing and distribution of tickets for Section meetings and shall prepare and maintain a current list of facilities that may be used for chapter meetings. The list, to include capacities; prices, dinner options, and reservation information, shall be provided to the incoming chapter program chairmen each June.

034.1.2 Membership and Development Committee - This Committee shall

maintain an updated list of all members in the Section and is responsible for bringing the advantages of IEEE membership to the attention of potential members within the Orlando Section territory. It sends letters of welcome to new members and to members transferring into the Section area, encouraging them to become active in Section affairs. This Committee is also responsible for encouraging transfers to highest grades for which existing members are qualified. In carrying out these duties, this committee shall maintain and distribute an adequate supply of related literature and applications issued by IEEE Headquarters for the purpose of membership and transfers, and shall distribute and collect the attendance cards at each Section meeting.

034.1.3 Public Relations Committee - This committee shall be responsible for properly advertising meetings of the Section and for all local publicity on IEEE matters, including releases to the press on IEEE awards and appointments, and other matters of professional or human interest involving Section members. It shall maintain a media mailing list with current names and addresses to be used for press release dissemination. It shall be guided in its activities by the "IEEE Public Relations Guide".

034.1.4 Publication Committee - This committee is responsible for publishing and distributing the Orlando Section Notes. In this capacity, this committee shall seek and acquire suitable paid advertisements for the Notes in order to minimize costs to the Section for their publication. This committee is also responsible for the maintenance and control of the Orlando Section Non-Profit Organization Mailing Permit.

034.1.5 Awards Committee - This committee shall acquaint themselves with all IEEE and other related awards taking appropriate action for the active

participation of the Section in recommending deserving candidates for those awards. In addition, this committee shall establish an on-going Awards Program to recognize technical excellence and IEEE service within the Orlando Section.

034.1.6 Florida Engineering Society (FES) Liaison Committee

This Committee is responsible for maintaining close contact and liaison with FES for the joint purpose of enhancing the professional status of engineers. This committee is not included in determining the presence of a quorum.

034.1.7 Professional Activities Committee for Engineers (PACE) -

This committee shall promote and implement those objectives which reflect the professional principles covered in the IEEE Constitution. This committee shall also be guided by the policies and directives of the National and Region III PACE groups.

034.1.8 Student Activities Committee - This Committee shall include all IEEE Student Branch Counselors within the territory of the Orlando Section.

This Committee is responsible for establishing Section cooperation with the Student Branches and supporting Student activities within the Section and Region. The representation of this committee is not included in determining the presence of a quorum.

034.1.9 Finance Committee - This Committee, composed of the junior past chairman, the section vice chairman, and chaired by the section treasurer, will be responsible for reviewing the financial affairs of the Section and take initiative for making recommendations to the Executive Committee when warranted. It shall review the annual budget in advance of its submission to the Executive Committee. Since its members are counted otherwise, this

committee is not included in determining the presence of a quorum.

034.1.10 Conference Committee - This committee shall be responsible for coordinating Section activities in the support or production of technical conferences or seminars, including making recommendations for such involvement, proposing appropriate facility and other arrangements for them subject to Section approval, and extending invitations to IEEE entities to hold conferences, seminars, or technical exhibitions within the Section's jurisdiction. This committee coordinates closely with the Education committee for the production of short courses and other educational endeavors beneficial to the section. This committee is not counted in determining a quorum.

034.1.11 Historian - This committee maintains archival records of interest in recording the history of the Section, and prepares (with annual updates) a narrative describing the activities of the Section, from which excerpts can be taken as appropriate in defining awards eligibility, Section growth, etc. This committee is not counted in determining the presence of a quorum.

034.1.12 Education Committee - This committee is responsible for the planning and execution of programs to aid in members' continuing education, through the conduct of tutorials and short courses. Budgets for such activity sponsored by the Section require approval of the Section Executive Committee. This committee is not counted in determining the presence of a quorum.

034.1.13 Other Committees - as necessary to accomplish defined activities that require functioning of the Committee on a continuing or "year-around" basis. They are not included in determining the presence of a quorum without amending these bylaws.

#### 034.2 Special Committees

034.2.1 Nominating Committee - This Committee shall select from the Section membership candidates qualified for the elective offices of the Section: Chairman, Vice-Chairman, Secretary, and Treasurer. The Committee shall determine that each nominee is eligible and willing to accept the responsibilities of the office, if elected. This Committee shall comprise at least three (3) members (not currently seeking an elected office) who are all appointed by the Section Chairman. Duties of this Committee are described in Section 042.

034.2.2 Elections Committee - This Committee is responsible for the timely implementation and conduct of the elections for Section Officers. It is their duty to insure a fair election in accordance with the provisions of these Bylaws. This Committee shall comprise at least three (3) Section members appointed by the Section Chairman who are not nominees in the current election, who are not members of the current nominating committee, and who have not submitted a nominee for the current election. Duties of this Committee are described in Section 044.

034.2.3 Other Committees - Other committees shall be established as necessary to accomplish specific activities of a short term basis such as Constitution and Bylaws, Special Events, etc.

034.3 Operations and Planning - Each Committee shall prepare a yearly activities plan. No Officer, Committee, or Section member shall commit the name Orlando Section IEEE (explicitly or by inference) to any endeavor without approval of the Section Executive Committee.

#### 035 Terms of Office

The term of office shall begin on 1 July for elected offices and immediately after appointment for appointed officers and shall expire on 30 June or until a successor is elected/appointed and takes office; whichever comes last. No elected Officer may hold the same office for which he was elected by the Section membership for more than two successive years.

036 Duties and Responsibilities

The Guidelines contained in the IEEE Section Manual shall be used to guide the operations of each Office and Committee when they do not conflict with these bylaws. Supplemental Manuals are also available to assist in the operation of Standing and Special Committees. These Manuals are available on request to IEEE Headquarters.

040 Selection of Officers

041 The Section Chairman shall appoint by the Executive Committee meeting in January of each year a Nominating Committee consisting of at least three (3) Section members not then elected Section officers.

042 The Nominating Committee shall present its slate of nominees to the Section Chairman at the February Executive Committee meeting so that all Section members may be notified of the nominations through the March issue of the Orlando Section Notes.

043 The Section membership may make additional nominations by submitting qualified petitions. A qualified petition shall meet the following conditions:  
a) Specify the office, b) Bear the signature of at least 15 voting Section members, c) Contain statement of nominee's consent to serve, d) State nominee's qualifications and biography, e) Be delivered to the Section Chairman on or before 1 April.

044 The Section Chairman shall appoint an Elections Committee at the April Executive Committee meeting each year. Whenever there is more than one nominee for any office, the Elections Committee will prepare a resume of all nominees and an election ballot for publication in the May issue of the Orlando Section Notes. The Elections Committee shall establish the address to which the ballots are to be mailed or hand delivered, the procedures for verification and the cutoff date for receipt of ballots. The Elections Committee will advise the Section membership of the time and place for counting the ballots; this event shall be open to any Section members. The results of the election will be provided to the Publication Chairman in time to be published in the June issue of the Orlando Section Notes. In the event of a tie vote, the Executive Committee shall then select the winner by a secret ballot.

045 In the event there is only one nominee for each office, the Chairman of the Election Committee will cast a unanimous vote for the slate of officers on behalf of the Orlando Section membership without need for a published ballot.

046 The newly elected officers shall be installed at the Annual Installation Meeting of the Section held in June.

047 Vacancies in elected offices, except for Section Chairman, occurring during the year shall be filled by Executive Committee action. A vacancy in the office of Section Chairman shall automatically be filled by the Vice-Chairman. The resulting vice-chairman vacancy shall then be filled by Executive Committee action. A vacant office, except for the Chairman, may be filled for the unexpired term by nominations from the floor and a majority vote of the members present. (The requirements of Section 043 c and d shall apply

to all nominations and may be submitted either written or orally.)

048 Recall - If for any reason the best interests of the Section seem to require a change in the governing body during the administrative year, the matter shall be duly and carefully considered by the Section Executive Committee. Upon not less than a 2/3 vote of the Executive Committee, or upon receipt of a petition signed by fifteen (15) percent of the members of the Section, recommendation shall be made to all the Section members for action at a special Section meeting to be duly called by the Executive Committee for the sole purpose of considering and voting upon such a change. A 2/3 vote of the Section members present shall be necessary to declare an office vacant. Vacancies are filled as specified in Section 047. The provisions of this section do not apply to standing committees (appointed by and serving at the pleasure of the Section Chairman) or to Group/Society Chapter officers, who are treated elsewhere.

050 The Executive Committee

051 Composition

The governing body of the Section shall be known as the Executive Committee. It shall consist of the following:

051.1 The four (4) elected section officers

051.2 A Group/Society Chapter Representative

051.3 Chairmen of the Standing Committees.

051.4 Chairmen of each Group/Society Chapter.

051.5 The two most recent past chairmen of the Section who are willing and able to serve on the Executive Committee.

051.6 Chairmen of the Student Branches/Chapters

051.7 Not more than five (5) members-at-large who are appointed by the Section Chairman with approval of the Executive Committee.

052 Voting

No vote by the Executive Committee shall be binding unless a quorum is present. A majority of the following voting members of the Executive Committee shall constitute a quorum:

The four elected section officers

The Group/Society Chapters Representative

The Group/Society Chapters Chairmen

The following Committee chairmen:

Program

Publications

Professional Activities

Awards

Membership and Development

Public Relations

052.1 All members of the Executive Committee may vote on any and all business of the Committee.

052.2 Standing Committee, Student Branch/Chapter, and Group/Society Chapter Chairmen may designate a voting alternate by notifying the Section Chairman in advance of the meeting.

052.3 No individual shall cast more than one vote, although an individual designated in writing to the Chairman to act by proxy for an absent elected or appointed member may vote for the absent member in addition to casting his own vote. If the proxy is for a quorum-counted member, the proxy

shall be counted in the quorum.

052.4 All voting members of the Executive Committee shall be members of the Orlando Section.

060 The Executive Board

The Executive Board shall be authorized to take action on Section matters which may be necessary between meetings of the Executive Committee, subject to the Executive Committee approval.

061 The Board shall consist of the four (4) elected officers and the duly elected Group/Society Chapters representative.

062 A quorum of the Executive Board shall be three (3) of the five (5) members.

070 Section Operations

The Section administrative year shall be July 1 to June 30.

071 Financial

071.1 Fiscal Operations

The Section fiscal year shall run from July 1 to June 30. Disbursements shall be made by check where practical; the Treasurer shall select the depository subject to approval by the Executive Committee. Checks shall be drawn with the Treasurer's signature or with the Chairman's signature.

Section rebates, refunds to Society Chapters by parent societies for meeting activities, surpluses from tutorials, conferences, or other special events sponsored by chapters of the Orlando Section, and repayments of monies advanced to chapters by the Section, shall all accrue to the account of the Section treasury.

071.2 Budget

The outgoing Treasurer shall prepare a proposed budget for the following year and submit it to the incoming section Chairman and Treasurer by July 1.

#### 071.3 Final Budget

The Treasurer shall submit a final budget for the section at the October Executive Committee meeting

#### 071.4 Operating Budget

The Section shall begin operations July 1, using the proposed budget as a guide until the final budget is approved in October.

#### 072. Audit

The Section financial records shall be audited by the Finance Committee. An audit shall be made whenever there is a change of Section Treasurer, by an audit committee appointed by the Section Chairman. An annual audit shall be made by the Finance Committee at the end of the calendar year and shall be the basis of the Annual Financial Report to IEEE Headquarters.

#### 073 Group/Society Chapters

The Orlando Section has the policy to encourage the formation and continuous operation of Group/Society Chapters in all specialty fields in which 12 or more members of the Section, above student grade, have an active interest. Each Chapter shall form its own Bylaws and operational policies in concert with the following provisions necessary for a smooth and efficient interface between the Section and Chapters. The Chapter Bylaws shall also be in accord with the Chapter Operation Guide contained in the IEEE Section Manual and the Orlando Section Bylaws.

073.1 Each Chapter will operate on a 1 July to 30 June fiscal

year.

073.2 Each Chapter is to conduct annual elections such that the chairman for the following twelve months has been selected by the date of the June Executive Committee meeting each year.

073.3 Each Chapter is to have its chairman or his designated representative(s) at each Section Executive Committee meeting in order that liaison and awareness of each others' activities may be maintained.

073.4 Each Chapter shall hold at least two meetings each year as prescribed by the IEEE Bylaws.

073.5 All Section members shall be notified of all Chapter meetings. These meetings shall be announced in the Orlando Section Notes.

#### 073.6 Chapter Operating Budgets

073.6.1 The outgoing Chapter Chairman shall submit a proposed operating budget for the following fiscal year to the Section Treasurer and to the incoming chapter chairman by the June Executive Committee meeting.

073.6.2 The incoming chapter chairman shall be responsible for submitting a final budget by the September Executive Committee meeting.

073.6.3 Chapters may begin operations on July 1 using the proposed budget as a guide until the section budget is approved.

073.6.4 Chapters will have control of their budgeted funds. If expenditures will exceed the amount approved in the operating budget, chapters will be required to have their budgets amended by a vote of the Executive Committee or by the Executive Board at a specially-called meeting. Chapter meeting rebates from parent Societies shall revert to the Section Treasurer's account (see Section 071).

073.7 All Chapter meetings will be coordinated by the Group/Society Chapter Representative.

073.8 The Chapter Secretary shall prepare a Chapter Meeting report and submit it to the Section Secretary within 10 days after each meeting.

073.9 No Group/Society shall commit the name Orlando Section IEEE (explicitly or by inference) to any endeavor without approval of the Section Executive Committee.

074 Florida Council IEEE Activity

The Orlando Section, as a member section in the Florida Council of IEEE, participates fully in the meetings and activities of that body. Unless otherwise designated, the section chairman and vice chairman are the section representative and alternate representative to the Council, empowered to vote on behalf of the section in Council matters. If these representatives are unable to attend a duly called Florida Council meeting, it shall be the responsibility of the section chairman to designate a proxy to vote the Orlando Section's votes at the meeting. This designation shall be in writing, addressed to the Chairman, Florida Council; and dispatched in sufficient time to be received prior to the meeting concerned. The designated proxy may be the chairman of the Florida Council.

075 Publications

The Section shall publish a periodical named ORLANDO SECTION NOTES, which will be the major medium of communication with the Section membership. Subject to approval of the Executive Committee, the Chairman of the publications Committee shall select the printer, determine format, establish

deadlines, set advertising rates, and obtain advertising for the ORLANDO SECTION NOTES. His committee may include a business manager charged with the responsibility for advertising sales, billings, and collections. Funds received from advertising shall be deposited with the Section Treasurer as soon as practicable.

080 Meetings

081 Section Meetings

Section meetings will normally be held during the months of September through June. This Section shall hold no less than three meetings during the year.

082 Executive Committee Meetings

The Executive Committee shall meet each month, except in July, and upon the call of the Section Chairman or Executive Board. A quorum must be present to conduct business (see Section 052). These meetings shall be open to all members of the Orlando Section.

090 Bylaws Amendment

Proposed bylaws or changes thereto, and the reasons therefore, shall be delivered or mailed to the Section Executive Committee members at least twenty days before the stipulated meeting of the Section Executive Committee at which the vote shall be taken. Two-thirds of all votes cast at that meeting shall be required to approve any new Bylaws, amendment or revocation. Any revised Bylaws shall be submitted for approval by the Regional Director.

100 General

These Bylaws establish the governing, operations and administration of the Orlando Section in accordance with the provisions contained in the IEEE

**Constitution and Bylaws.**

ATTENDEESIEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING

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

Name	(Address)	Bus. Phone	Home Phone
1. <u>George B TAACK JR</u>		✓	✓
2. <u>FRANK FLUET</u>		✓	✓
3. <u>Deen Khandelwal</u>		✓	✓
4. <u>AL FOWLER</u>		✓	✓
5. <u>CONRAD BLANKENZEE</u>	<u>8998 Crichton Wds D.</u>	<u>351-9485</u>	<u>876-3577</u>
6. <u>ALEX MARTON</u>	<u>2705 FAULKNER DR. 32819</u>	<u>629-5591</u>	
7. <u>CARL F. SCHUNEMANN</u>	<u>ORLANDO 32810</u>	<u>356-7207</u>	✓
8. <u>ED ELLIS</u>		✓	✓
9. <u>M. Oleyan</u>	<u>628-9884</u>	<u>276</u>	<u>876-3582</u>
10. <u>M. Belkendid</u>		<u>275-2787</u>	<u>273-8527</u>
11. <u>George McClure</u>	<u>1230 Shiloh Ln Winter Park FL 32789</u>	<u>356-3782</u>	<u>647-509</u>
12. <u>S. Forryle</u>	<u>1429 Stormway Ct. Apple 32703</u>	<u>339-1600</u>	<u>886-2231</u>
13. <u>Don Malocku</u>	<u>409 BAY TREE LN. ORL 32703</u>	<u>275-2414</u>	<u>862-5695</u>
14. <u>WALT LEGAN</u>	<u>cb JOHN FLUKE Mfg. Co. 940 N. Fern Creek 8964881 ORLANDO 32803</u>		<u>677-5770</u>
15. <u>Fred P. Wilcox</u>	<u>3218 Cullen K. Sh. Dr.</u>	<u>356-2328</u>	<u>857-0098</u>
16. <u>JOHN ELBERT</u>		<u>365-2363</u>	<u>859-5492</u>
17. <u>Wm. C. Gram</u>		—	<u>647-4123</u>
18. <u>Michael V. Haddad</u>			
19. <u>DAVID E. FLINCHBAUGH</u>		<u>1-268-7252</u>	<u>859-4855</u>
20. <u>Nannie R. Connell</u>			<u>273-8588</u>
21. <u>Alvin J. Levy</u>	<u>3903 Lake Sarah Dr. Orland 32807</u>	<u>NONE</u>	<u>843-7619</u>
22.			
23.			
24.			
25.			

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
August 7, 1984

AGENDA

1. Approval of previous minutes.
2. Treasurer's Report Carl Schunemann
3. Chapters Chairmen Representative Geof Dick
4. Standing Committee Reports
  - a. Programs George Taack
  - b. Public Relations George McClure
  - c. Publications Al Fowler
  - d. Advertising Bill Kownacki *absent.*
  - e. Awards Joe Massett *absent.*
  - f. Florida Engineering Soc. Liaison
  - g. PACE John Gilbert
  - h. Student Activities Don Malocha
  - i. Education Fred Simons *absent*
  - j. Membership Development Deen Khandelwal
5. Special Committees
  - a. By-Laws ~~E. E. Erickson~~ *George McClure*
  - b. Historian Russ Theisen *absent*
  - c. Centennial Deen Khandelwal
6. Chapter Reports
  - a. Aerospace and Electronic Systems Society Dave Flinchbaugh ✓
  - b. Communications Society Madjid Belkerdid ✓
  - c. Computer Society Steve Forsythe
  - d. Electron Devices Society Ralph M. Mindock *Malocha*
  - e. Antennas and Propagation/Microwave Theory and Techniques Society
  - f. Power Engineering/Industry Applications Society Fred Wilcox
  - g. Student Branch IEEE Michael Haddad
  - h. Student Chapter, Computer Society Steven D. McKenna
7. Unfinished Business
8. New Business
  - a. Financial Statement/Finance Committee
  - b. Relocate Executive Committee Meeting?
  - c. Dreyfus Fund/Bank Signature Cards
  - e. Section Goals for 1984/1985
  - f. Report Chapter Officers
9. Time/Place of Next Meeting *Aug. 28 5:30 AI, Sept 4 Tues. 1200 W. Colonial*
10. Adjourn
11. Chapters Chairmen Elect Executive Board Representative
12. Centennial and Budget Work Sessions

Geoffrey E. Dick  
1014 Carvell Drive  
Winter Park, Florida 32792

July 26, 1984

Mr. George B. Taack Jr.  
4 Robinwood Drive  
Longwood, Florida  
32779-9743

Dear George,

I do not have much for August to publish in the Section Notes. The Student Chapter is having a picnic, and of course the first Tuesday is the Executive Committee Meeting. I will let you decide if it is worth publishing it. I called all the chapters and it appears that most activities will begin in September.

Mike Oleyar wants to have a meeting for the Communications Society in September, and Majid may try to get Misha Swartz here in December as a guest speaker.

The Computer Society is contemplating a tour of Channel 6's new automated facilities or try to reschedule Larry Wos as a guest speaker from out of town for the month after next.

Mike Haddad is in San Francisco and could not be reached. Sally Merry, secretary of the Power Engineering Society doesn't think Mike scheduled anything for August so we will go on that assumption. I was unable to reach Avelino Gonzolas, he too may be out of town.

Dr. Malocha and Micky Mindock are taking August as a rest period, like the quiet before the storm.

I will be on vacation on the 7th of August, so I will miss the first Executive Committee Meeting.

With best regards,

*Geoffrey E. Dick*  
Geoffrey E. Dick

REVISED 8/26/84

AUGUST 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6	7 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25 UCF STUDENT CHAPTER PICNIC/BASEBALL FOR INFO CONTACT DR. MALOCHA
26	27	28	29	30	31	

FAF 8/5/84

PROPOSED IEEE BUDGET  
ORLANDO SECTION 1984/1985

EXPENSES	PRELIM(\$)	REVISED(\$)
1. Publications: (SECTION NOTES)		
Labels \$ 864		
Mailing 500		
Printing 4,500	\$5,864	
2. Chapters:		
AES. . . . .	750	
COMM . . . . .	<del>300</del> 500	
COMP . . . . .	200	
E.D. . . . .	200	
AP/MTT . . . . .	200	
PE/IA . . . . .	200	
3. Public Relations Comm. . . . .	150	
4. Awards Comm. . . . .	250	
5. PACE Comm. . . . .	200	
6. Student Activities Comm. . . . .	400.7	
7. Education Committee . . . . .	0	
8. Membership Development Comm. . . . .		
9. Centennial Comm. (F.Y. 84/85 only) . . . . .	3,800	
10. Section Assessments . . . . .		
11. Social Meeting (Fall/Spring) . . . . .		
12. Engineer's Week Banquet (Feb) . . . . .	<del>920</del> 820	
13. Installation-of-Officers Banquet (June) . . . . .	280	
14. Miscellaneous . . . . .	500	
15. <i>Secretaries Expense</i>		
TOTAL . . . . .		

INCOME	PRELIM(\$)	REVISED(\$)
1. IEEE Rebate from H.Q. . . . .		
2. Advertising in Section Notes . . . . .		
3. Interest on Deposits . . . . .		
4. _____ . . . . .		
5. _____ . . . . .		

PROGRAM Committee  
Proposed 1984-85 Budget Request

October Section Meeting \$ 50  
Centennial Convocation (10-8-84)

November Section Meeting

Speaker \$ 50

Room 100

Food & beverages 200

Misc 50

400

Fall/Spring Social

200

Engineer's Week Banquet (2-16-85)

Speaker \$ 350

Meals @ \$15

Speaker & Spouse (2) 30

Nominees & Spouse (12) 180

Fellows & Spouse (14) 210

Misc 150

920

Program Committee  
Proposed 1984-85 Budget Request  
(Cont'd)

March Section meeting

Speaker	\$ 75	
Food	100	
Room	75	
Misc	<u>50</u>	300

Installation Banquet (6-22-85)

Speaker	\$ 150	
Meals (speaker & spouse) (2)	30	
Misc	<u>100</u>	280

Student subsidy

Banquets & Social (50 @ \$10)	\$ 500	
Misc meetings	<u>100</u>	600

Total Request \$ 2750

## 1984-1985 GOALS

### IEEE ORLANDO SECTION

1. Support/promote Centennial celebration of IEEE.
2. Support/sponsor local conferences. (#?)
3. Recruit new Section officers.
4. Rejuvenate AP/MTT Chapter.
5. Increase student involvement.
6. Increase activity of COMM Chapter.
7. Survey members wants, locally.
8. Put together an information booklet on our Section (for distribution to local corporations, Chambers of Commerce, etc.).
9. Petition and submit request for new chapter in Section (perhaps Instrumentation and Measurement or Electromagnetic Compatibility).
10. Keep all local members well informed of IEEE activities and local issues (primarily by doing a good job on Section Notes).

Aug. 7.

5:33

Programs: 32 people  
speaker Bob Nugan  
Vice-Chairmen of Reg. 3.  
Cost. \$172.00  
\$107.00 hard dollars.

Oct 8 Sect Meeting  
~30-40 people RSVP  
Satellite feed

Nov. Sect Meeting  
Fall/Sp. Awards  
Feb. 16, 1985 Banquet @  
Langford  
6/22/85 Installation

Subsidy for students  
Cost student ~\$5.00.

Mar/Nov meeting will be free to  
members.  
Proposed Budget: \$2750  
10. Bart Reynolds \$48.25  
Dinner Playhouse

Public Relations: No report  
Possibly Sentinel for Eng week  
Sunday supplement  
on either side of Eng. Week.

Publications: Fowler  
Special Issue next week. Arrangements by Thurs  
Sept. notes  
Sept 9 - Oct. 7, out-of-town  
Guest Editor - Ed Ellis volunteered  
Dean ~ 30 pgs.

Pace: Submission for Aug. section ~ 1 page

Education: absent.

Stud. Act.:

Membership: Dean

By laws: George McClure

Centennial: Side Shows

30 Posters

IEEE Standards to Orl. Library

IEEE Dictionary: Multi-lingual

Life Members day in Oct.

Show or Exhibition

Convocation 8:30-10:30

AESS: July 18 York Steak House

- 1) Industrial of Space
- 2) Optical Systems for Space Appl.
- 3) Col.

Comm: Marjib Apr - M. Shwartz, Speaker

Guest - Nov. 1, Thurs.

Topic: Computer Comm. Networks  
Past, Present, & Future  
Determine cost.

Publicity:

Location: Help from George Teach  
Bio. / Photo.

Comp. Society: May Speaker cancelled.

Try to reschedule it in Oct.

New officers for Comp. Soc

E.D.: New officers Mulochi

Nat. Lecturer

MTT:

~~Phil~~ Phil Barkley - Network

Paul Grealley - Nat. Lecture

Mon / Tues Apr 9 Tampa

Wed Apr 10 Orl

High Speed Reg. I.C. Performance

PE: Status of Super Cond. Generators

8 a) Financial statement for last yr.  
Convened Finance Comm.

Snapshot of budget

c) Fund/Bank Signature Cards

b) 50 & 441 McNamee Pontiac <sup>across</sup> St.  
West of I-4 & Colonial Dr. { 1280 W. <sup>Sign</sup>

Map w/minutes.

Incl. in section notes

- G. McClure proposal

recognition of outgoing officers

for awards (plaques) to Awards

New Business

Consider history of each Chapter.



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

4 Robinwood Drive  
Longwood, FL 32779-9743  
Home - (305) 321-0319  
Off - (305) 339-1600

AUGUST 1, 1984

TO: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, AUGUST 7, 1984

5:30 PM

at

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

A handwritten signature in cursive script that reads "George B. Taack, Jr." The signature is fluid and stylized, with the first and last names being more prominent.

George B. Taack, Jr.  
Vice Chairman  
IEEE Orlando Section

IEEE EXECUTIVE COMMITTEE MEETING  
ORLANDO SECTION

DATE: JUNE 5, 1984

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

Attendees:	George Taack	Ed Ellis
	Geoffrey (Jeff) Dick	Don Malocha
	Kenneth B. Stein *	Stephen J. Gizinski III *
	Frank Fluet	Wm. C. (Bill) Cram
	Madjid A. Belkerdid'	Jorge Medina
	Carl F. Schunemann	Mike Oleyar
	Russ Theisen	John D. Gilbert
	Fred O. Simons, Jr.	

\* visiting students

MINUTES:

1. Meeting was called to order at 5:41 p.m. by Ed Ellis, Chairman. A quorum was not present however the meeting was started. At 6:05 p.m. a quorum was determined to be present.
2. The May minutes were disseminated without the attachments. Copies will be furnished upon request of the attachments. It was pointed out that Item 18, SOUTHEASTCON, was a closed item and should be deleted from the minutes. A motion was made by Jeff Dick to accept the minutes. Frank Fluet seconded the motion. Motion passed.
3. Treasurer's Report - Carl Schunemann:  
  
The treasurer's report was submitted by the treasurer. A motion was made by Russ Theisen to approve the report. Motion seconded by Bill Cram. Motion carried.

Checking account balance (5-1-84) \$ 1,712.91

Deposits

PE/IA dinner (3/22)	\$ 88.00
Computer Tutorial Week	500.00
Advertising checks	
Fla Inst of Tech	60.00
Probe Consultants	40.00
February banquet	15.00
	<hr/>
	\$ 703.00

Subtotal \$ 2,415.91

Disbursements

Sec. mailings	\$ 23.91
---------------	----------

Mike Haddad (PE/IA dinner)	110.00
D. Khandelwal postage	5.00
D. Khandelwal postage	13.60
D. Khandelwal (book/poster)	135.90
Seminole House Printers	380.88
Altamonte Data Processing	38.64
Altamonte Data Processing	36.00
	<u>(\$ 743.93)</u>

Balance (6-5-84) \$ 1,671.98

#### Current Status

Checking balance (6-5-84) \$ 1,671.98

Dreyfus Fund (6-1-84) 10,012.46

Total \$11,684.44

Unpaid bills (as of 6-5-84)

None.

#### Chairman's Report - Ed Ellis:

4. The Chairman thanked the members of the Executive Committee for the support given him during the year.

#### 5a. Programs - George Taack:

The Installation Banquet has been set for Saturday, June 23, 1984. It will be held at the Langford Hotel in Winter Park. There will be a cash bar before the banquet which will have Prime Rib as the meal. The cost will be \$15.00 a person. A request was made to the Astronaut Office at the Johnson Space Center for a mission specialist who has flown in space to be the speaker. A reply was received that was worded the same as last year saying all the specialists were busy with other assignments. The speaker will be Bob Duggan who is the Region 3 Vice Chairman. His topic will be "A Fresh Look at Behind the Bamboo Curtain". The program will cover his two trips to China with the last one being in 1983 as a member of a microwave exchange team. He will be assisted by his wife Kathleen. This program has been presented to other sections in Region 3 and has received good reviews.

Due to the cost involved, a reservation will constitute the same as a ticket sale. The person making the reservation will be responsible to pay for the event unless the commitment is withdrawn prior to the Section providing the guarantee count on June 21.

5b. Centennial Activities - Deen Khandelwal:

Deen Khandelwal was not in attendance. No report was given. George Taack reported that Mike Haddad had finished coping the centennial slides and would be getting them to Deen Khandelwal in the near future.

6. Public Relations - George McClure:

No report.

7. Publications - Al Fowler:

Ed Ellis reported that Al Fowler would be out of town for the next two weeks. The section notes have been mailed. Correction of Carl Schunemann's phone number and the dropping of the SOUTHEASTCON committee needs to be given to AL Fowler. There is no FCIEEE representative listed however George McClure and Russ Theisen are both officers this year in FCIEEE.

There will be no notes published in July. The information for the August notes will be due on July 20, 1984.

8. Awards - Joe Massett:

Ed Ellis reported that the nomination for Outstanding Engineer of Region 3 and nomination for Vice-Chairman of Region 3 were due. Also the nomination for the Exemplary Section of Region 3 is due. We will nominate our section for this award. No one had any contact with Joe Massett.

9. Intersociety Liaison - Richard C. Harden:

Florida Council of IEEE - Russ Theisen reported on the meeting held on June 2, 1984 at the Sheridan Jet Port. See attached report. He also stated that there were available some partitions requesting John Miller's name be placed on the ballot for Vice-Chairman of Region 3. John Miller was the program for the FCIEEE meeting.

Florida Engineering Society - No report. Someone is needed to represent the section at FES who is a registered professional engineer in the state of Florida. Any volunteers.

10. PACE - John Gilbert:

John Gilbert reported on the goals of Region 3 (see attached handout from FCIEEE). He also reported that PACE would pay 25% of the printing costs of the Section Notes if at least one page on PACE was included in an issue of the Notes. PACE will not pay for the cost of mailing.

Ed Ellis commented on the IMPACT magazine and recommended every one take it.

11. Student Activity - Richard Miller:

Richard Miller was not at the meeting so no report was given however two students were visiting. See attendance for their names.

12. Education - Fred O. Simons:

Dr. Simons reported that UCF College of Continuing Studies would co-sponsor the Televideo conferences that IEEE has scheduled. See attached letter from Dr. Vince Amico confirming this activity.

Dr. Simons recommended that students from any professional society, e.g. ASME, ASM, IEEE, etc., be allowed to be members of the student chapter. Bill Cram made a motion to recommend to the By-Laws committee to define a student member so as to allow students from allied fields to become members of the student chapter. Carl Schunemann seconded the motion. Motion carried.

13. Membership Development - Deen Khandelwal:

Russ Theisen reported that there were 898 members in the section as of May 30, 1984 comprised of the following breakdown:

Life Fellows	8	
Fellows	4	
Life Senior Members	30	
Senior Members	100	
Life Members	21	
Members	541	
Pending Members	9	
Life Affiliates	1	
Affiliates	34	
Student Members	92	(24% more this year)

94 members are in the arrears

Deen Khandelwal is contacting the arrears members to remind them their dues is due.

14. By-Laws - Ernest E. Erickson:

George Taack reported that the proposed by-laws had been mailed to the executive committee in accordance with the current by-laws. It was recommended that they be passed. Bill Cram moved that the proposed by-laws be adopted. Frank Fluet seconded the motion. Motion passed.

George Taack reminded everyone that under the by-laws just accepted that proposed budgets are now required to be submitted by June 30th.

15. SOUTHCON - Bruce E. Mathews:

Russ Theisen reported that SOUTHCON was trying to get more space for the next conference. There was over \$100,000.00 surplus from the last conference. Half of the surplus was allocated to reserves for the next conference, and the remainder was split on a 60/40 basis between Region 3 and the Florida Council. Florida Council received \$10,767.60.

16. Advertising Manager - William A. Kownacki:

No report due to no representation.

17. Historian - Russell E. Theisen:

Russ Theisen reported that the section was 25 years old on May 13th. Ed Ellis read a mailgram he received from Richard Gowen the current president of IEEE. See attached mailgram.

18. SOUTHEASTCON - Russell E. Theisen:

Committee is now closed.

Society Chapter Reports

19. AES - Dave Flinchbaugh:

No report due to no representation.

20. Communications - Madjid A. Belkerdid:

Mike Oleyar reported that the meeting held on May 16, 1984 had 13 people (1 visitor) in attendance. Madjid Belkerdid gave a technical program on spread spectrum characteristics.

The following officers were elected:

Chairman	Madjid A. Belkerdid
Vice-Chairman	Michael Harris
Secretary	Mike Oleyar

21. Computer - Stephen E. Forsythe:

Jorge Medina reported that the last meeting was canceled. There are no known programs in the mill.

22. Electron Devices - Ralph M. Mindock:

Don Malocha reported that no meetings were planned and returned the banner used at the last meeting.

23. AP/MTT - Fred Wilcox:

Carl Schunemann reported for Fred Wilcox that they were working on next fall's program which had not been finalized. He also said that he was determined not to let AP/MTT die.

24. PE/IA - Mike Haddad:

No report due to no representation. Ed Ellis talked about the IEEE Energy slide presentation and where it might be presented.

25. Chapters Chairman - Geoffrey Dick:

Jeff Dick reported that 31 meetings were held (most were technical) along with 4 socials and 4 conferences. This is the most activity that he has seen in years.

26. Old Business

It was pointed out that a vote had not been taken on the new slate of officers. Russ Theisen moved to elect the slate by accumulation. Carl Schunemann seconded. Motion carried.

27. New Business

Carl Schunemann pointed out the UCF student chapter may want to use the slide presentations on the centennial and energy program.

Mickey Mindock has left Martin and is president of his own business as High Tech Sensors. The phone number is 862-8182.

Don Malocha is to represent the student activities committee since he will be able to attend all the meetings this year.

Proposed budgets are due by the end of June.

The Engineering Accreditation Board for Engineering and Technology (EAB) needs volunteers to serve on teams to take a week to go to a college or university to review their programs. They prefer people from government or industry.

Candidates for the position of President-Elect are Jose' B. Cruz Jr. and Bruno O. Weinschel.

Frank Fluet stated that selection of chapter officers for next year should be completed by June 30, 1984.

28. Bill Cram moved to adjourn. Mike Oleyar seconded. Motion carried. Meeting adjourned at 7:06 PM.

29. Next meeting is Tuesday, August 7, 1984, same time and place.

IEEE M INFANTE  
345 EAST 47 ST  
NEW YORK NY 10017 14AV

Western Union Mailgram

-027314S135 05/14/84 ICS IPMMTZZ CSP ORLB  
2127057755 MGM TDMT NEW YORK NY 129 05-14 0107P EST

T. E. ELLIS, CHAIRMAN  
IEEE ORLANDO SECTION  
902 REDBIRD LN  
ALTAMONTE SPRINGS FL 32701

THE BOARD OF DIRECTORS JOINS ME IN SENDING OUR HEARTIEST CONGRATULATIONS TO THE ORLANDO SECTION ON ITS 25TH ANNIVERSARY. FORMED ON MAY 13 1959, YOUR SECTION'S RECORD IS ONE OF WHICH YOU CAN BE JUSTIFIABLY PROUD. THE REAL BACKBONE OF ALL OUR EFFORTS IN THE IEEE IS THE VOLUNTARY SERVICE OF OUR MEMBERS. SUCH AS THOSE IN THE ORLANDO SECTION. IN CARRYING FORTH THE WHOLE ARRAY OF ACTIVITIES WE UNDERTAKE. WE SEND TO THE OFFICERS AND MEMBER OF THE ORLANDO SECTION OUR BEST WISHES FOR YOUR CONTINUED SUCCESS IN EXPANDING THE PRE-IMMINENCE OF IEEE AND THE VALUE OF MEMBERSHIP IN THE TERRITORY SERVED BY THE ORLANDO SECTION.

RICHARD J GOWEN PRESIDENT

1312 EST

MGMCOMP MGM

6/12/84

JUNE 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM STROMBERG ANEX.	6	7	8	9
10	11	12 AES MTG. DR. R. JOHNSON: INDUSTRIALIZATION OF SPACE YORK STEAK HOUSE FASHION SQ. 6:30PM	13	14 FLAG DAY	15	16
17 FATHER'S DAY	18	19	20	21	22	23 INITIATION BANQUET ENGINEERING IN SPACE LANGFORD HOTEL 6:45PM
24	25	26	27	28	29	30

Bamboo  
CURTAIN

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JUNE 5, 1984

---

CHECKING ACCOUNT BALANCE,

MAY 1, 1984 TREASURER'S REPORT: \$ 1712.91

DEPOSITS TO CHECKING ACCOUNT:

- 1.) 5 CHECKS RECEIVED FROM 88.00  
MIKE HADDAD, CHAIRMAN PES/IAS,  
MARCH 22, 1984 DINNER MEETING.  
( $2 \times \$11 + 3 \times \$22 = \$88$ )
  - 2.) CHECKS RECEIVED FROM AL FOWLER,  
FROM SECTION NOTES ADDS.
    - a.) FLORIDA INSTITUTE OF TECHNOLOGY 60.00
    - b.) PROBE CONSULTANTS, INC. 40.00
  - 3.) <sup>Tutorial week</sup> IEEE COMPUTER SOCIETY CHECK, 300.00  
RECEIVED FROM RUSS THEISEN.  
(#2774 DATED 5-2-84)
  - 4.) CASH RECEIVED FROM GEORGE TACK, 15.00  
LAST INCOME FROM FEB. BANQUET. 3.00
- 
- SUBTOTAL, PREVIOUS BALANCE PLUS DEPOSITS = \$ 2415.91

5, 1984 TREASURER'S REPORT  
~ CONTINUED ~

DISBURSEMENTS:

# 1119 GEORGE B. THACK, JR. \$ 23.91 ✓

SECRETARY'S EXPENSES PER  
MAY 1, 1984 STATEMENT.

# 1120 MIKE HADDAD, PES/IRS \$ 110.00 ✓  
MARCH 22 DINNER MEETING

EXPENSES, PER 5-1-84 STATEMENT

# 1121 D. D. KHANDLWAL \$ 5.00 ✓

POSTAGE, A+E LETTERS, APRIL;

PER 4-27-84 STATEMENT

# 1122 D. D. KHANDLWAL \$ 13.60 ✓

POSTAGE, LETTER TO LIFE MEMBERS,

PER 5-7-84 STATEMENT.

# 1123 D. D. KHANDLWAL, \$ 135.90 ✓

BOOKS & POSTERS FOR ORLANDO PUBLIC

LIBRARY DISPLAY, PER 5-11-84 STATEMENT

# 1124 SEMINOLE HOUSE PAINTERS, \$ 380.88 ✓

MAY SECTION NOTES, INVOICE # 7169,

5-8-84.

# 1125 ALTAMONTE DATA PROCESSING, \$ 38.64 ✓

POSTAGE, 5-1-84 MAILING, INVOICE # 15730

# 1126 ALTAMONTE DATA PROCESSING, \$ 36.00 ✓

5-3-84 INVOICE # 15728

LABEL, SORT, BAG, & DELIVER TO POST OFFICE.

TOTAL DISBURSEMENTS = \$ 743.93

JUNE 5, 1984 TREASURER'S REPORT  
~ CONTINUED ~

## SUMMARY:

PREVIOUS CHECKING BALANCE

PLUS DEPOSITS

= \$ 2415.91

DISBURSEMENTS

= 743.93

CHECKING ACCOUNT BALANCE, = \$ 1671.98

JUNE 5, 1984

DREYFUS ACCOUNT BALANCE, = 10,012.46

JUNE 1, 1984

GROSS FUNDS = \$ 11,684.44

RESPECTFULLY SUBMITTED,

Carl F. Schunemann  
TREASURER

## INSTALLATION BANQUET

DATE: SATURDAY, JUNE 23, 1984

PLACE: LANGFORD HOTEL - WINTER PARK

TIME: CASH BAR & SOCIALIZING 6:45PM  
DINNER 7:30PMPROGRAM: INSTALLATION OF OFFICERS  
AND"A FRESH LOOK AT BEHIND THE BAMBOO CURTAIN"  
BY BOB DUGGAN AND ASSISTED BY HIS WIFE KATHLEEN

COST: \$15.00

MEAL: PRIME RIB, BAKED POTATO, CARROTS, TOSSED GREEN  
SALAD, AND DESSERT.(IF RESERVATIONS ARE RECEIVED BY TUESDAY JUNE  
19, IT MAY BE POSSIBLE TO SUBSTITUTE A SEAFOOD  
ENTREE FOR THE PRIME RIB)

Bob Duggan is employed by Lockheed-Georgia and is currently a Director of Region 3. The program is a composite of his two trips to China as a member of a microwave exchange team with the last trip occurring in 1983. The talk will contain cultural, technical, and ecological comments and will be supplemented by slides taken during the trips. Kathleen will make comments from a woman's view point. This program has been presented to other sections in Region 3 and has received good reviews.

RESERVATIONS: PLEASE CALL RESERVATIONS IN BY JUNE 21  
339-1600

GEORGE TAACK - EXT 200

ED ELLIS - EXT 203

NOTE: Due to the cost involved, a reservation will constitute the same as a ticket sale. The person making the reservation will be responsible to pay for the event unless the commitment is withdrawn prior to the Section providing the guarantee count on June 21.

Geoffrey E. Dick  
1014 Carvell Drive  
Winter Park, Florida

May 19, 1984

Mr. George B. Taack Jr.  
4 Robinwood Drive  
Longwood, Florida

Dear George,

Enclosed is the revised calendar schedule for June 1984 IEEE activities. It was revised on 5/12/84 from information received at the Orlando Executive meeting and telephone updates.

It has been a great pleasure working with you this year. Your contribution to IEEE has been of great value to the Orlando Section.

With all my best,

*Geoffrey E. Dick*

Geoffrey E. Dick

5/12/84

JUNE 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM STROMBERG ANEX:	6	7	8	9
10	11	12 AES MTG. : DR. R. JOHNSON: INDUSTRIALIZATION OF SPACE : YORK STEAK HOUSE FASHION SQ. 6:30PM	13	14 FLAG DAY	15	16
17 FATHER'S DAY	18	19	20	21	22	23 INITIATION BANQUET "ENGINEERING IN SPACE" LANGFORD HOTEL! 6:45PM
24	25	26	27	28	29	30



# UNIVERSITY OF CENTRAL FLORIDA

COLLEGE OF EXTENDED STUDIES

ORLANDO, FLORIDA 32816—0177. (305) 275-2123

May 18, 1984

Mr. T. E. Ellis  
902 Redbird Lane  
Altamonte Springs, FL 32701

Dear Mr. Ellis:

Your education committee chairman, Dr. F. O. Simons, has confirmed with me that the IEEE will co-sponsor the IEEE Video conference series. The College of Extended Studies will provide the following services:

- a. Assume financial responsibility for the Video Conference program.
- b. Place a one page ad in the Section Notes at least once per Video Conference.
- c. Structure registration fees to promote IEEE membership.
- d. List the Orlando Section IEEE as a co-sponsor.
- e. Consult with the Orlando Section of IEEE in establishing planning budgets and registration fees.
- f. Provide a summary report on each Video Conference including data on attendance, income, and expenses.

It is our understanding that Dr. Simons would serve as liaison officer between the Orlando Section of IEEE and the University of Central Florida, College of Extended Studies. He will answer questions relating to the program and resolve problems as they occur.

We are looking forward to co-sponsoring this Video series conference with your organization. This program represents a positive step in the use of advanced communication techniques for the professional development of engineers in the Orlando area.

Sincerely,

A handwritten signature in cursive script, appearing to read 'V. Amico'.

V. Amico  
Coordinator

VA:cb

cc: Dr. F. O. Simons  
Dr. B. Matthews

# IEEE NEWS

**PRESIDENT-ELECT KING DIES** - Donald D. King, 1984 IEEE President-Elect, died March 13, at the age of 64. The reported cause of death was a cerebral hemorrhage.

This is the first time in IEEE history that a resident or president-elect has passed away while in office. By IEEE Bylaw 301.15, an assembly consisting of 23 members will elect replacement, who will fulfill Dr. King's 3 year term. The assembly members are the resident, Past President, Executive Vice President, 10 Regional Delegates and 10 Divisional Delegates. (from EE Times)

**IEEE ELECTION BALLOTS** will be mailed first class rather than third class this year. This will cost IEEE an additional \$46,000, but will ensure that all members receive their ballots. Major election deadline dates:

- May 1 - Names of candidates announced to members
- May 25 - Petition nominations due  
Constitutional amendment petitions due
- August - Election material published in the "Institute"
- Sept 1 - Ballots mailed
- Nov 1 - Deadline for ballot returns
- Nov 11 - Results announced

**POTENTIAL SENIOR MEMBERS** who lack Senior Member or Fellow references can now submit people known on a professional basis as references, subject to A&A Committee approval. The candidates, after checking with their Section Chairman or Regional Director, should submit a written explanation with their references.

**NOTE:** Fellow nominations are due by April 30!

## FLORIDA COUNCIL OF IEEE 1984 INITIATIVES

1. Section Assistance - Support local section in revitalization (e.g., Jacksonville without current officers).
2. Programs Clearinghouse - Serve as exchange center for program ideas and coordination of speaker tours to multiple sections. Through receipt of program announcements from sections' program chairmen and/or newsletters, maintain current list of programs planned in all Florida sections.
3. Awards Program - Expand awards program to solicit 6 exemplary section nominations each year. Establish FCIEEE-level awards for Florida sections and members; a Florida nominee selected for each awards category recognized by Region.
4. PACE - Revitalize PACE activities at section level; maintain contact with PACE chairmen; assist in securing PACE speakers and in going after PACE projects; in setting up SPAC conferences at schools.
5. Conferences - Establish a conference committee to aid sections in hosting conferences, and in maintaining current data for possible FCIEEE conference activity.
6. Public Relations - Establish a public relations committee on the Florida Council, reporting events of interest statewide or to selected areas of interest: SPAC promotions, seminars, awards.
7. SILA - Monitor closely activities of interest, assuring that legislators receive advice from the engineering community.
8. FCES - Monitor activities, define role and interest (if any) by FCIEEE.
9. Career Guidance - Assist in setting up career management seminars for experienced engineers; work with local secondary schools to provide Career Day speakers on engineering topics.
10. Centennial Plans - Set up one-year committee to assist sections with ideas and contact points for appropriate Centennial celebration topics, speakers, and ideas; to assist in mounting local PR campaign to make the IEEE Centennial known in the local communities.
11. Education - Serve as section liaison and ombudsman to encourage local sections in tutorials and short courses, in publicizing them across section boundaries where appropriate (e.g., technical topics, small business assistance, patents, planning for retirement).
12. Membership and Chapter Development - Assist sections in mounting membership campaigns, in organizing new society chapters, in coordinating joint chapters among sections (e.g., EMC and S-I&M).

Deborah C. Murphy  
200 80th Avenue NE  
St. Petersburg, FL 33702

Mr. George B. Taack  
4 Robinwood Drive  
Longwood, FL 32750



LAW DAY U.S.A.  
FREEDOM UNDER THE LAW



574-253  
574-0715  
MAY 1984

# FCIEEE TREASURERS REPORT

JUNE 2, 1984

Period April 10 - June 1, 1984

Balance forward

RUTLAND BANK

SUN BANK

AMOUNT

\$ 3,918.75

9.25

\$ 3,928.00

## INCOME

Interest Rutland Bank

\$ 30.07

Sun Bank

0.00

FLORIDA WEST COAST

\$ 200.00

Rutland/Sun bank transfer

\$ 3,915.75

SOUTH CON CONF. Profit Excess CK6651 \$ 10,767.60

\$ 18,841.42

## DISBURSEMENT

Rutland/Sun bank transfer CK121

\$ 3,915.75

Sun Bank

Postage CK 237 George McClure

\$ 21.70

Postage CK 238 R Theisen

\$ 46.17

Student Aid CK 239 Rolf Hawkins

\$ 211.68

April Printing CK 240 Kwik Key Printing

\$ 30.45

Postage CK 241 Debbie Murphy

\$ 20.00

CD 10% 6m CK 242 Sun Bank

\$ 10,000.00

Postage CK 243 Jim Kurtz

\$ 8.20

Stationary CK 244 IEEE

\$ 26.74

Postage CK Total Disbursement

\$ 14,280.69

Checking

\$ 4,560.73

CD. Sun Bank 10% 6 months

\$ 10,000.00

R. Theisen  
R. Theisen

Balance

\$ 14,560.73

FCIEEE Treasurer

J: K. Reed Thompson PE  
Chairman Nominations Committee  
Region 3

SUBJECT: Nomination for Vice-Chairman Ballot for Region 3

Dear Sir:

I submit John J. Miller, S/M 6087167 as a candidate for Vice-Chairman for Region 3 for the next Regional Election.

NAME: \_\_\_\_\_

IEEE TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

K. REED THOMPSON, CHAIRMAN  
IEEE REGION 3 NOMINATING COMMITTEE  
GENERAL ELECTRIC COMPANY  
1501 ROANOKE BLVD., ROOM 250  
SALEM, VIRGINIA 24153

BYLAWS OF THE ORLANDO SECTION, IEEE

(Revised 6/30/84)

010 Section Name

This organization shall be known as the Orlando Section of the Institute of Electrical and Electronics Engineers.

020 Section Territory

The Orlando Section shall be composed of IEEE members whose IEEE mailing addresses are within the following counties, all in the State of Florida:

021 Orange County

022 Osceola County

023 Seminole County

024 Lake County

025 Sumter County

030 Section Officers

031 Elected Officers and Duties

The following Officers shall be elected by the general membership of the Section: Chairman, Vice-Chairman, Secretary, Treasurer.

031.1 Chairman - The Section Chairman is the executive officer of the Section and has general supervision of the affairs of the Section. One of his chief duties is to act as Chairman of the Section Executive Committee, to hold regular meetings of that committee and see that, by action of that committee,

the affairs of the Section are handled properly and in the best interests of IEEE. He shall appoint chairmen for all standing committees of the section. Each year, he shall appoint a Nominating Committee not later than the date set for the Executive Committee meeting in January and an Elections Committee not later than the date set for the Executive Committee meeting in April. He shall appoint other special committees and members-at-large (see Section 051.6)

as deemed necessary to accomplish specific tasks. The Chairman presides at all meetings of the Section and represents the Section at all IEEE meetings. He serves as the Section representative on the Regional Committee and shall serve as the representative of the Section in the Florida Council of IEEE (FCIEEE).

031.2 Vice Chairman - The Vice Chairman shall automatically become the chairman when a vacancy in the Chairman's Office is created by any situation. The Vice Chairman shall perform the duties of the Chairman in the conduct of the Section and the Executive Committee whenever the Chairman is unable to attend or participate in those activities. He shall acquire, compile, and distribute material relevant to the duties of each office (elected and appointed) as presented in the IEEE Section Manual and augmented by Orlando Section Bylaws. The Vice Chairman shall serve as a member of the Finance Committee. He is an alternate delegate from the Section to the Florida Council of IEEE and shall serve as the Section representative at any meeting of the Florida Council of IEEE in the absence of the Section Chairman.

031.3 Secretary - The Secretary shall record and distribute the minutes of all Section and Executive Committee meetings. He is also responsible for preparing the Section Annual Report, summarizing all of the meeting activities of the Section and Group/Society Chapters for the calendar

year, submitting this annual report so that it complies with IEEE Headquarters rebate deadline dates. The Secretary shall keep a file of all significant correspondence, records, and reports of the Section for the administrative year.

031.4 Treasurer - The Treasurer is custodian of all funds of the Section. He shall keep a record of all financial activities of the Section, maintain a checking account in the name of the Section, and invest, with approval of the Executive Committee, all idle funds of the Section. The Treasurer shall serve as Chairman of the Section Finance Committee which shall include the Junior Past Chairman and the Vice-Chairman. He shall assist the Section Chairman in preparing a Section Budget, which shall be presented as defined in Section 071 herein to the Section Executive Committee for approval. He is then responsible for managing that budget by recording the income and expenditures in relation to the Budget. Any overrun of the Budget shall be immediately brought to the attention of the Section Executive Committee. He shall submit a report covering the financial activities since the last previous report at each regular Executive Committee meeting. He shall submit a Section Financial Report for the prior calendar year to the IEEE General Manager and to the Regional Director no later than February 1 of the current year.

032 Officer Elected by the Chapters

A Group/Society Chapters Representative shall be elected by the chapter chairmen each year at the August meeting of the Executive Committee, or as soon thereafter as a quorum consisting of half the chapter chairman plus one can be convened. The outgoing Group/Society Chapters Representative shall continue to serve until a successor is elected. The Group/Society Chapters

Representative is a member of the Executive Board. He may be a present or past chapter chairman; his role is to act as spokesman for the chapters, to advise them on procedural matters, and to maintain a meeting calendar for chapters and section meetings, assisting in setting meeting dates to avoid conflicts between meetings.

### 033 Qualification for Elected Officers

All Elected Officers must be members of the Orlando Section at the time of nomination and must maintain an active membership status throughout the term of office. They must be willing and able to serve in the capacity for which they are nominated.

### 034 Appointed Officers and Duties

The Section Chairman shall appoint chairmen for each of the following standing committees and shall appoint special committees as required.

Such appointees shall serve at the pleasure of the Section chairman.

#### 034.1 Standing Committees

034.1.1 Program Committee - This Committee shall provide the programs and speakers for Section meetings as directed by the Section Chairman and the Executive Committee. It coordinates the timing of section meetings with the Group/Society Chapter Representative. This committee shall also make all arrangements for facilities and for the printing and distribution of tickets for Section meetings and shall prepare and maintain a current list of facilities that may be used for chapter meetings. The list, to include capacities, prices, dinner options, and reservation information, shall be provided to the incoming chapter program chairmen each June.

034.1.2 Membership and Development Committee - This Committee shall

maintain an updated list of all members in the Section and is responsible for bringing the advantages of IEEE membership to the attention of potential members within the Orlando Section territory. It sends letters of welcome to new members and to members transferring into the Section area, encouraging them to become active in Section affairs. This Committee is also responsible for encouraging transfers to highest grades for which existing members are qualified. In carrying out these duties, this committee shall maintain and distribute an adequate supply of related literature and applications issued by IEEE Headquarters for the purpose of membership and transfers, and shall distribute and collect the attendance cards at each Section meeting.

034.1.3 Public Relations Committee - This committee shall be responsible for properly advertising meetings of the Section and for all local publicity on IEEE matters, including releases to the press on IEEE awards and appointments, and other matters of professional or human interest involving Section members. It shall maintain a media mailing list with current names and addresses to be used for press release dissemination. It shall be guided in its activities by the "IEEE Public Relations Guide".

034.1.4 Publication Committee - This committee is responsible for publishing and distributing the Orlando Section Notes. In this capacity, this committee shall seek and acquire suitable paid advertisements for the Notes in order to minimize costs to the Section for their publication. This committee is also responsible for the maintenance and control of the Orlando Section Non-Profit Organization Mailing Permit.

034.1.5 Awards Committee - This committee shall acquaint themselves with all IEEE and other related awards taking appropriate action for the active

participation of the Section in recommending deserving candidates for those awards. In addition, this committee shall establish an on-going Awards Program to recognize technical excellence and IEEE service within the Orlando Section.

034.1.6 Florida Engineering Society (FES) Liaison Committee

This Committee is responsible for maintaining close contact and liaison with FES for the joint purpose of enhancing the professional status of engineers. This committee is not included in determining the presence of a quorum.

034.1.7 Professional Activities Committee for Engineers (PACE) -

This committee shall promote and implement those objectives which reflect the professional principles covered in the IEEE Constitution. This committee shall also be guided by the policies and directives of the National and Region III PACE groups.

034.1.8 Student Activities Committee - This Committee shall include

all IEEE Student Branch Counselors within the territory of the Orlando Section.

This Committee is responsible for establishing Section cooperation with the Student Branches and supporting Student activities within the Section and Region. The representation of this committee is not included in determining the presence of a quorum.

034.1.9 Finance Committee - This Committee, composed of the junior

past chairman, the section vice chairman, and chaired by the section treasurer, will be responsible for reviewing the financial affairs of the Section and take initiative for making recommendations to the Executive Committee when warranted. It shall review the annual budget in advance of its submission to the Executive Committee. Since its members are counted otherwise, this

committee is not included in determining the presence of a quorum.

034.1.10 Conference Committee - This committee shall be responsible for coordinating Section activities in the support or production of technical conferences or seminars, including making recommendations for such involvement, proposing appropriate facility and other arrangements for them subject to Section approval, and extending invitations to IEEE entities to hold conferences, seminars, or technical exhibitions within the Section's jurisdiction. This committee coordinates closely with the Education committee for the production of short courses and other educational endeavors beneficial to the section. This committee is not counted in determining a quorum.

034.1.11 Historian - This committee maintains archival records of interest in recording the history of the Section, and prepares (with annual updates) a narrative describing the activities of the Section, from which excerpts can be taken as appropriate in defining awards eligibility, Section growth, etc. This committee is not counted in determining the presence of a quorum.

034.1.12 Education Committee - This committee is responsible for the planning and execution of programs to aid in members' continuing education, through the conduct of tutorials and short courses. Budgets for such activity sponsored by the Section require approval of the Section Executive Committee. This committee is not counted in determining the presence of a quorum.

034.1.13 Other Committees - as necessary to accomplish defined activities that require functioning of the Committee on a continuing or "year-around" basis. They are not included in determining the presence of a quorum without amending these bylaws.

### 034.2 Special Committees

034.2.1 Nominating Committee - This Committee shall select from the Section membership candidates qualified for the elective offices of the Section: Chairman, Vice-Chairman, Secretary, and Treasurer. The Committee shall determine that each nominee is eligible and willing to accept the responsibilities of the office, if elected. This Committee shall comprise at least three (3) members (not currently seeking an elected office) who are all appointed by the Section Chairman. Duties of this Committee are described in Section 042.

034.2.2 Elections Committee - This Committee is responsible for the timely implementation and conduct of the elections for Section Officers. It is their duty to insure a fair election in accordance with the provisions of these Bylaws. This Committee shall comprise at least three (3) Section members appointed by the Section Chairman who are not nominees in the current election, who are not members of the current nominating committee, and who have not submitted a nominee for the current election. Duties of this Committee are described in Section 044.

034.2.3 Other Committees - Other committees shall be established as necessary to accomplish specific activities of a short term basis such as Constitution and Bylaws, Special Events, etc.

034.3 Operations and Planning - Each Committee shall prepare a yearly activities plan. No Officer, Committee, or Section member shall commit the name Orlando Section IEEE (explicitly or by inference) to any endeavor without approval of the Section Executive Committee.

### 035 Terms of Office

The term of office shall begin on 1 July for elected offices and immediately after appointment for appointed officers and shall expire on 30 June or until a successor is elected/appointed and takes office; whichever comes last. No elected Officer may hold the same office for which he was elected by the Section membership for more than two successive years.

036 Duties and Responsibilities

The Guidelines contained in the IEEE Section Manual shall be used to guide the operations of each Office and Committee when they do not conflict with these bylaws. Supplemental Manuals are also available to assist in the operation of Standing and Special Committees. These Manuals are available on request to IEEE Headquarters.

040 Selection of Officers

041 The Section Chairman shall appoint by the Executive Committee meeting in January of each year a Nominating Committee consisting of at least three (3) Section members not then elected Section officers.

042 The Nominating Committee shall present its slate of nominees to the Section Chairman at the February Executive Committee meeting so that all Section members may be notified of the nominations through the March issue of the Orlando Section Notes.

043 The Section membership may make additional nominations by submitting qualified petitions. A qualified petition shall meet the following conditions: a) Specify the office, b) Bear the signature of at least 15 voting Section members, c) Contain statement of nominee's consent to serve, d) State nominee's qualifications and biography, e) Be delivered to the Section Chairman on or before 1 April.

044 The Section Chairman shall appoint an Elections Committee at the April Executive Committee meeting each year. Whenever there is more than one nominee for any office, the Elections Committee will prepare a resume of all nominees and an election ballot for publication in the May issue of the Orlando Section Notes. The Elections Committee shall establish the address to which the ballots are to be mailed or hand delivered, the procedures for verification and the cutoff date for receipt of ballots. The Elections Committee will advise the Section membership of the time and place for counting the ballots; this event shall be open to any Section members. The results of the election will be provided to the Publication Chairman in time to be published in the June issue of the Orlando Section Notes. In the event of a tie vote, the Executive Committee shall then select the winner by a secret ballot.

045 In the event there is only one nominee for each office, the Chairman of the Election Committee will cast a unanimous vote for the slate of officers on behalf of the Orlando Section membership without need for a published ballot.

046 The newly elected officers shall be installed at the Annual Installation Meeting of the Section held in June.

047 Vacancies in elected offices, except for Section Chairman, occurring during the year shall be filled by Executive Committee action. A vacancy in the office of Section Chairman shall automatically be filled by the Vice-Chairman. The resulting vice-chairman vacancy shall then be filled by Executive Committee action. A vacant office, except for the Chairman, may be filled for the unexpired term by nominations from the floor and a majority vote of the members present. (The requirements of Section 043 c and d shall apply

to all nominations and may be submitted either written or orally.)

048 Recall - If for any reason the best interests of the Section seem to require a change in the governing body during the administrative year, the matter shall be duly and carefully considered by the Section Executive Committee. Upon not less than a 2/3 vote of the Executive Committee, or upon receipt of a petition signed by fifteen (15) percent of the members of the Section, recommendation shall be made to all the Section members for action at a special Section meeting to be duly called by the Executive Committee for the sole purpose of considering and voting upon such a change. A 2/3 vote of the Section members present shall be necessary to declare an office vacant. Vacancies are filled as specified in Section 047. The provisions of this section do not apply to standing committees (appointed by and serving at the pleasure of the Section Chairman) or to Group/Society Chapter officers, who are treated elsewhere.

050 The Executive Committee

051 Composition

The governing body of the Section shall be known as the Executive Committee. It shall consist of the following:

051.1 The four (4) elected section officers

051.2 A Group/Society Chapter Representative

051.3 Chairmen of the Standing Committees.

051.4 Chairmen of each Group/Society Chapter.

051.5 The two most recent past chairmen of the Section who are willing and able to serve on the Executive Committee.

051.6 Chairmen of the Student Branches/Chapters

051.7 Not more than five (5) members-at-large who are appointed by the Section Chairman with approval of the Executive Committee.

052 Voting

No vote by the Executive Committee shall be binding unless a quorum is present. A majority of the following voting members of the Executive Committee shall constitute a quorum:

The four elected section officers

The Group/Society Chapters Representative

The Group/Society Chapters Chairmen

The following Committee chairmen:

Program

Publications

Professional Activities

Awards

Membership and Development

Public Relations

052.1 All members of the Executive Committee may vote on any and all business of the Committee.

052.2 Standing Committee, Student Branch/Chapter, and Group/Society Chapter Chairmen may designate a voting alternate by notifying the Section Chairman in advance of the meeting.

052.3 No individual shall cast more than one vote, although an individual designated in writing to the Chairman to act by proxy for an absent elected or appointed member may vote for the absent member in addition to casting his own vote. If the proxy is for a quorum-counted member, the proxy

shall be counted in the quorum.

052.4 All voting members of the Executive Committee shall be members of the Orlando Section.

060 The Executive Board

The Executive Board shall be authorized to take action on Section matters which may be necessary between meetings of the Executive Committee, subject to the Executive Committee approval.

061 The Board shall consist of the four (4) elected officers and the duly elected Group/Society Chapters representative.

062 A quorum of the Executive Board shall be three (3) of the five (5) members.

070 Section Operations

The Section administrative year shall be July 1 to June 30.

071 Financial

071.1 Fiscal Operations

The Section fiscal year shall run from July 1 to June 30.

Disbursements shall be made by check where practical; the Treasurer shall select the depository subject to approval by the Executive Committee. Checks shall be drawn with the Treasurer's signature or with the Chairman's signature.

Section rebates, refunds to Society Chapters by parent societies for meeting activities, surpluses from tutorials, conferences, or other special events sponsored by chapters of the Orlando Section, and repayments of monies advanced to chapters by the Section, shall all accrue to the account of the Section treasury.

071.2 Budget

The outgoing Treasurer shall prepare a proposed budget for the following year and submit it to the incoming section Chairman and Treasurer by July 1.

#### 071.3 Final Budget

The Treasurer shall submit a final budget for the section at the October Executive Committee meeting.

#### 071.4 Operating Budget

The Section shall begin operations July 1, using the proposed budget as a guide until the final budget is approved in October.

#### 072. Audit

The Section financial records shall be audited by the Finance Committee. An audit shall be made whenever there is a change of Section Treasurer, by an audit committee appointed by the Section Chairman. An annual audit shall be made by the Finance Committee at the end of the calendar year and shall be the basis of the Annual Financial Report to IEEE Headquarters.

#### 073 : Group/Society Chapters

The Orlando Section has the policy to encourage the formation and continuous operation of Group/Society Chapters in all specialty fields in which 12 or more members of the Section, above student grade, have an active interest. Each Chapter shall form its own Bylaws and operational policies in concert with the following provisions necessary for a smooth and efficient interface between the Section and Chapters. The Chapter Bylaws shall also be in accord with the Chapter Operation Guide contained in the IEEE Section Manual and the Orlando Section Bylaws.

073.1 Each Chapter will operate on a 1 July to 30 June fiscal

year.

073.2 Each Chapter is to conduct annual elections such that the chairman for the following twelve months has been selected by the date of the June Executive Committee meeting each year.

073.3 Each Chapter is to have its chairman or his designated representative(s) at each Section Executive Committee meeting in order that liaison and awareness of each others' activities may be maintained.

073.4 Each Chapter shall hold at least two meetings each year as prescribed by the IEEE Bylaws.

073.5 All Section members shall be notified of all Chapter meetings. These meetings shall be announced in the Orlando Section Notes.

#### 073.6 Chapter Operating Budgets

073.6.1 The outgoing Chapter Chairman shall submit a proposed operating budget for the following fiscal year to the Section Treasurer and to the incoming chapter chairman by the June Executive Committee meeting.

073.6.2 The incoming chapter chairman shall be responsible for submitting a final budget by the September Executive Committee meeting.

073.6.3 Chapters may begin operations on July 1 using the proposed budget as a guide until the section budget is approved.

073.6.4 Chapters will have control of their budgeted funds. If expenditures will exceed the amount approved in the operating budget, chapters will be required to have their budgets amended by a vote of the Executive Committee or by the Executive Board at a specially-called meeting. Chapter meeting rebates from parent Societies shall revert to the Section Treasurer's account (see Section 071).

073.7 All Chapter meetings will be coordinated by the Group/Society Chapter Representative.

073.8 The Chapter Secretary shall prepare a Chapter Meeting report and submit it to the Section Secretary within 10 days after each meeting.

073.9 No Group/Society shall commit the name Orlando Section IEEE (explicitly or by inference) to any endeavor without approval of the Section Executive Committee.

#### 074 Florida Council IEEE Activity

The Orlando Section, as a member section in the Florida Council of IEEE, participates fully in the meetings and activities of that body. Unless otherwise designated, the section chairman and vice chairman are the section representative and alternate representative to the Council, empowered to vote on behalf of the section in Council matters. If these representatives are unable to attend a duly called Florida Council meeting, it shall be the responsibility of the section chairman to designate a proxy to vote the Orlando Section's votes at the meeting. This designation shall be in writing, addressed to the Chairman, Florida Council; and dispatched in sufficient time to be received prior to the meeting concerned. The designated proxy may be the chairman of the Florida Council.

#### 075 Publications

The Section shall publish a periodical named ORLANDO SECTION NOTES, which will be the major medium of communication with the Section membership. Subject to approval of the Executive Committee, the Chairman of the publications Committee shall select the printer, determine format, establish

deadlines, set advertising rates, and obtain advertising for the ORLANDO SECTION NOTES. His committee may include a business manager charged with the responsibility for advertising sales, billings, and collections. Funds received from advertising shall be deposited with the Section Treasurer as soon as practicable.

080 Meetings

081 Section Meetings

Section meetings will normally be held during the months of September through June. This Section shall hold no less than three meetings during the year.

082 Executive Committee Meetings

The Executive Committee shall meet each month, except in July, and upon the call of the Section Chairman or Executive Board. A quorum must be present to conduct business (see Section 052). These meetings shall be open to all members of the Orlando Section.

090 Bylaws Amendment

Proposed bylaws or changes thereto, and the reasons therefor, shall be delivered or mailed to the Section Executive Committee members at least twenty days before the stipulated meeting of the Section Executive Committee at which the vote shall be taken. Two-thirds of all votes cast at that meeting shall be required to approve any new Bylaws, amendment or revocation. Any revised Bylaws shall be submitted for approval by the Regional Director.

100 General

These Bylaws establish the governing, operations and administration of the Orlando Section in accordance with the provisions contained in the IEEE

**Constitution and Bylaws.**

The following is a copy of the Constitution and Bylaws of the [Organization Name], as amended to date.

Article I. Name. The name of this organization shall be [Organization Name].

Article II. Purpose. The purpose of this organization shall be to [Purpose].

Article III. Membership. Any person who is [Criteria] may become a member of this organization.

Article IV. Officers and Directors. The officers and directors of this organization shall be [Criteria].

Article V. Finance. The financial affairs of this organization shall be managed by the [Committee].

Article VI. Amendments. Any amendment to the Constitution and Bylaws of this organization shall require a [Vote].

Article VII. Dissolution. In the event of the dissolution of this organization, the assets shall be distributed to [Beneficiaries].

Article VIII. Miscellaneous. [Miscellaneous provisions regarding the organization's operations and governance.]



# Administrative Services Unit

## IEEE LABEL, PRINTING AND MAILING SERVICES

(Effective January 1, 1984)

**MAILING LISTS.** Mailing lists of IEEE members can be furnished by: Regions, Sections, Sub-Sections and Chapters of Societies. Some of the major selectable items on member records are Society Membership, Membership Grade, Technical Interest Profile, Dues Status. Items can be selected singularly or in combination, and for survey purposes a sampling can be provided using nth figure.

**USE OF MAILING LISTS.** Each request for a membership list, in any form, shall be accompanied by a statement as to the purpose for which the list will be used.

**LEAD TIME.** Please allow 4-5 business days for label production and 2-3 business days for affixing and/or mailing.

**AUTOMATIC PREPARATION OF MONTHLY LISTS.** IEEE organizational units having regular monthly meetings or monthly publications are encouraged to enter a standing order to receive automatic shipments of addressed labels on a specified day of each month. (Uniform mailing date required for monthly shipment).

### MATERIAL ADDRESSED

### COST PER NAME\*\*

Labels:	3½ ungummed Cheshire flat striplst, 4 names across	.032
	3½ perforated gummed flat striplst, 4 names across	.032
	3½ Avery label (self-adhesive), 4 names across	.035
Rosters:	Company Affiliation List 4 names across	.043

### Paper Only:

### COST PER THOUSAND\*

	8½" x 11" Plaza Offset: used for routine printing	\$ 7.00
	8½" x 11" Mead Cockle: used for letterhead	15.00
Postcard:	Single, government stamped	At Cost
	Double, reply, government stamped	At Cost
	Single, unstamped	6.50
	Double, unstamped	13.00

### Order Code

Envelopes:	G-18 IEEE return envelope (8 3/4" x 4") postage paid (Permit #1332)	25.00
	G-20 First Class #10 with IEEE logo and N.Y. return address	20.00
	SEC-23 First Class #10 with IEEE logo (no address)	20.00
	GS-23 Government stamped #10 with IEEE logo (no address)	220.00
	K-2 10½ x 7½ gummed flap and clasp with IEEE logo and N.Y. return address	60.00
	K-3 9" x 12" gummed flap and clasp with IEEE logo and N.Y. return address	70.00
	K-7 9½ x 12½ gummed flap and clasp with IEEE logo and N.Y. return address	75.00
	K-10 10" x 13" gummed flap and clasp with IEEE logo and N.Y. return address	80.00

\*\*PLUS POSTAGE CHARGES FOR SHIPMENT OF ADDRESSED MATERIAL FOR HANDLING AND MAILING LOCALLY.

(Over)

The following additional charges apply on requests involving IEEE printing and mailing services:

Printing only: Labor-including collating, stapling and folding \$19.00/hour  
Paper-20# bond 8 1/2" x 11" 17.00/thousand  
Paper-Fine finish for letterhead 21.00/thousand

Mailing: The following charges apply for Avery labels (manually affixed) and Cheshire labels (in excess of 1,000 names using automatic equipment):

	Manual	Automatic
Affixing labels	\$12.00/hour	\$12.00/thousand
Inserting and mailing	12.00/hour	12.00/thousand
Sorting, tying, sacking	12.00/hour	

Sorting: To comply with Post Office regulations, all second and third class non-profit mail must be sorted manually into five zip code groups and is subject to the hourly rate: \$12.00/hour.

Inserting: The inserting machine will accept envelopes ranging in size from 3 1/4" to 6" x 9". The paper must be 20# stock or better. Maximum inserts are six (6). Each single enclosure is to be at least 3" x 5" but no longer than 6" x 9". Other inserting jobs handled manually at the \$12.00 per hour rate.

#### HOW TO ORDER

For geographical units, i.e. Councils, Sections, Sub-Sections, Chapters and Branches  
CONTACT: Field Services Department (201) 981-0060 Ext. 283 or Ext. 285.

For technical units, i.e. Groups, Societies, Councils and Committees CONTACT:  
G/S/C Activities (212) 705-7856.

For general orders CONTACT: IEEE Service Center (201) 981-0060 Ext. 241

IEEE Service Center, Piscataway, N.J. Office Hours: 8:00 A.M. - 4:00 P.M.

IEEE

**SERVICE CENTER**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

**FIELD SERVICES**

Hours: 8:00 A.M. - 4:00 P.M. (EST) Monday-Friday  
International Telex No. 236-411(NY) 833-233(NJ)

Directory of services and staff members you may contact for inquiries and assistance:

	<u>Name</u>	<u>Ext.</u>
<u>GENERAL POLICY/ADMINISTRATION</u>		
	Don Suppers Staff Director	280
	Letitia Lombardi Secretary	280
<u>REGIONAL ACTIVITIES BOARD &amp; REGION SERVICES</u>		
Administration, Policy and Services	Laura Jobmann Administrator	282
Region Support, Finances and Committees		
RAB Secretariat	Carol Telep Administrative Asst.	281
<u>SECTIONS/SOCIETY CHAPTERS/STUDENT BRANCHES</u>		
Administration, Policy and Services	Mark Lucas Manager	287
<u>SECTION AND SOCIETY CHAPTER SUPPORT</u>		
Section Rebates and Order Billing, Officer	Gloria Gutwein Supervisor	283
Records, Section/Chapter Formations		
Label Addressing Services	Sheryll Mayr	285
Section/Chapter Officer Records/Formations	Kathleen Ruggeri	288
Section/Chapter Supplies, Certificates &	Carole Martin	286
Officer Pins, Banners		
<u>STUDENT SERVICES</u>		
Student Programs, Administration and Policy	Mark Lucas Manager	287
"Potentials", RAB INTERFACE	Mary Campbell Coordinator	289
Branch Support, Rebates, Officer Records	Laura Snyder	290
Branch Supplies, Potentials Magazine	Dorothy Collins	291
<u>MEMBERSHIP DEVELOPMENT AND MEMBER SERVICES</u>		
Membership Development Programs, Member	Roseann Schulz Manager	300
Services, Administration and Policies		
<u>MEMBER SERVICES SUPPORT</u>		
Membership Applications, Member Inquiries	Peggy Kovacs Supervisor	302
on Qualifications, Dues, Society and		
Subscription Payments, Membership		
Certificates/Jewelry, IEEE Benefit-Plans		
Insurance, Car Rental		
Region 8-10 Member Correspondent Specialist	Carol Lund	304
<u>MEMBERSHIP DEVELOPMENT</u>		
MD Supplies, Brochures, Information	Bill Hunter	301
Centers, MD Activity Support, "Values of	Coordinator	
Membership" slide/tape presentation		



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

September 5, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, October 2, 1984

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

A handwritten signature in cursive script that reads "Don Malocha".

Donald C. Malocha  
Secretary  
IEEE Orlando Section

SEPTEMBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
16	17	18	19	20 AP/MTT MEETING NETWORK ANALYSIS SEM TIME DOMAIN: 5:30PM AT HEWLETT PACKARD	21	22
23	24	25	26	27 COMPUTER SOCIETY MEETING SPES & LA GROUP HATT GRAND CYPRESS TOUR DINNER 6:30PM TOUR 7:45PM	28	29

OCTOBER 1984							NOVEMBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2 EXPS COMM MEETINGS	3	4	5	6					1 CON SOCIETY DINNER MEETING PROFESSOR PRISON SCHWARTZ 6:45 - CASH BAR MAGNETIC RECORDING	2	3
7	8 SECTION MEETING SATELLITE FEED IEEE CENTENIAL CONVOCATION	9 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM	10	11	12	13	4	5	6 EXECUTIVE COMMITTEE MEETING 5:30PM ELECTION DAY	7	8	9	10
14	15	16	17	18 AP/MTT PROF. BEN POKK DIST. LECTURE FREQ. SELECTIVE SURFACES & ARRAY	19	20 LIFE MEMBER CENTENIAL MEETING 11AM - 3PM LUNCH-TALK-EXHIBIT DR. JOHN RYDER	21	22	23	24	25 AP/MTT NAT'L LECTURE DR. JOHN B. KESLER RADAR SIGNATURE TECHNIQUES	26	27
28	29	30	31				28	29	30	31	2	3	4
			HALLOWEEN								PALOWEEN		

### MEETING NOTICE

ORLANDO SECTION IEEE  
MTT & AP SOCIETY

### SPEAKER

PHIL BARTLEY  
HEWLETT PACKARD CO.

PHIL BARTLEY IS A SYSTEM ENGINEERING DISTRICT MANAGER FOR THE HEWLETT-PACKARD COMPANY. AS SUCH, HE IS INVOLVED IN THE APPLICATION OF AUTOMATIC MICROWAVE TEST EQUIPMENT. BEFORE JOINING HEWLETT-PACKARD, HE SPENT SIX YEARS WRITING MICROWAVE ATE APPLICATION SOFTWARE FOR THE DEPARTMENT OF THE NAVY. MR. BARTLEY HOLDS BACHELOR AND MASTER DEGREES IN ELECTRICAL ENGINEERING FROM OLD DOMINION UNIVERSITY, AND HAS HAD SEVERAL TECHNICAL PAPERS AND ARTICLES PUBLISHED BY THE IEEE AND THE DEPARTMENT OF DEFENSE.

### TOPIC

NETWORK ANALYSIS IN THE TIME DOMAIN

PLACE AND TIME: HEWLETT-PACKARD CO., LAKE ELLENOR DRIVE, SEPT. 20, 1984 - 5:30PM

DINNER AT GARY'S DUCK INN AFTER THE TALK

**IEEE Executive Committee Meeting  
Orlando Section**

**Date:** August 28, 1984

**Location:** Automation Intelligence, 1200 W. Colonial Dr., Orlando.

**Attendees:** George B. Taack, Jr., Frank-Fluet, Deen Khandelwal, Woody Carter, Conrad Blankenzee, Ben Patz, Jorge Madina, Ed Ellis, Mike Oleyar, Steve McKenna, George McClure, Steve Forsythe, Don Malocha, Geoff Dick, Fred Wilcox, Chaouki Abdallah, Mike Harris, Avelino Gonzalez, David Flinchbaugh.

**MINUTES:**

1. Meeting called to order at 5:45 pm by Frank-Fluet, Chairman. The necessary quorum was present.
2. The previous month's minutes were reviewed by attendees. A motion was made by Ed Ellis to accept the minutes and was seconded. Motion passed.
3. Treasurer's Report - Carl Schunemann: Absent, No Report.
4. Chairman's Report - Geoffrey Dick:  
Geoff has been re-elected by chapter's chairmen to continue in his current position as Chapters chairman. Calenders were accepted and are included in section minutes.
5. Programs - George Taack:  
The satellite feeds of the IEEE convocation will be held in the TV studio in the basement of the library at UCF on October 8. Facilities will hold approximately 50 people. RSVP.
6. Public Relations - George McClure:  
The upcoming joint Section and Communication chapter meeting in November featuring Dr. Mischa Schwartz will be publicized in section notes and through mailings.  
The publicity for the IEEE donations to the Orlando library have yet to be arranged. Deen Khandelwal will arrange.

**7. Publications - Al Fowler:**

Ed Ellis is guest editor for centennial issue. All activities must be in by Aug. 30 and Minutes Summary must be in by second week in Sept.

**8. Advertising - Bill Kownacki: No report.**

Advertising chairman is needed. Anyone interested should contact Fred Fluet.

**9. Awards - Joe Massett/Ben Patz:**

Plaques for outgoing Executive Committee members in lieu of certificates will be considered. Costs will be determined.

**10. Florida Engineering Society Liason: No report.**

**11. Pace - John Gilbert: Absent.**

Section needs to place a full page Pace announcement in order to obtain rebate. This was not done in Aug. section notes and will be corrected in the future.

**12. Education - Fred Simons: Absent; no report.**

**13. Student Activities - Don Malocha:**

Student/faculty picnic was very successful with good participation. The students beat the faculty in softball by a score of 14 to 9. Further meetings of this type will be planned throughout the year.

Approximately 30 students are participating in the student project of a Satellite Receiving System.

Further assistance in the student project is strongly solicited and any members or associates who can aid should contact D. Malocha.

Letters have been sent to Martin Marietta and Harris Corp. soliciting financial and technical support.

**14. Membership Development - Deen Khandelwal:**

There are currently 950 members in our local section.

New members joining the section should use our section number since we obtain a rebate for new members.

**15. Centennial - Deen Khandelwal:**

A number of activities have been planned for the centennial and are listed in the section calender.

Oct. 20 is a meeting for Life Members at the Orlando Garden Club. Cost is \$3.50 and free for Life Members.

**16. By-Laws - George McClure: No report.**

## CHAPTER REPORTS

### 17. AEES - Dave Flinchbaugh

Meetings for year are being planned.

### 18. Communication - Madjid Belkerdid:

Mike Harris provided report. November 1st joint Comm. and Section dinner meeting is planned. The speaker will be Misha Schwartz who will present " Computer Communication Networks; Past, Present and Future". Further information is in section notes or can be obtained from Madjid.

### 19. Computer Society - Steve Forsythe:

New chapter officers will be announced next month.

### 20. Electron Device Society - Ralph M. Mindock:

Don Malocha reported no new business. New chapter officers are same as last year.

### 21. MTT/AP - Fred Wilcox:

Two meetings: Phil Barkley on " Network Analysis in the Time Domain "; Paul Grealy on " High Speed Digital IC Performance ", Wed. April 10. See calender or contact Fred.

### 22. PE - Mike Haddad:

Avelinno Gonzollas provided report. A number of meetings have been planned. See announcements and calender in section notes or contact PE officers for further information.

### 23. Student Branch IEEE - Steve McKenna:

Steve requested seed money to begin the student project. This will aid in getting started and further funds will be requested later. The senior section will be kept informed of progress. Section agreed to provide \$ 170.00 for seed.

### 24. Student Chapter, Computer Society: Ron Krauskopf; No report.

## UNFINISHED BUSINESS

25. Finance committee report was unavailable for review or discussion. Committee will attempt to meet prior to the next Executive committee meeting.

26. The 1984-85 operating budget is attached. Because of the many activities planned for the IEEE centennial year, a rather large deficit is anticipated. Sources of additional income are needed and will be sought. Any information concerning upcoming IEEE sponsored conferences should be directed to the section chairman.

27. Meeting adjourned at 8:17 pm.

## BUDGET SUMMARY

IEEE Orlando Section ( 1984-85 )

### I. Expenses

1. Publications ( Section Notes )	\$ 6945
2. Secretary	\$ 100
3. Chapters	\$ 75
Chapter's Chairmen	\$ 150
AES	\$ 750
COMM	\$ 150
COMP	\$ 200
ED	\$ 200
AP/MTT	\$ 200
PE/IA	\$ 200
4. Public Relations	\$ 250
5. Awards Comm.	\$ 100
6. Pace Comm.	\$ 230
7. Student Activities	\$ 0
8. Education Comm.	\$ 100
9. Membership Development	\$ 850
10. Centennial Comm.	\$ 2750
11. Programs Comm.	\$ 100
12. Historian	\$ 500
13. Miscellaneous	\$ 170
14. Student Project Support ( Seed )	\$ 0
15. FCIEEE	-----
<b>TOTAL</b>	<b>\$14020</b>

### II. INCOME

1. IEEE rebate from IEEE	\$ 3136
2. Advertising in Section Notes	\$ 1800
3. Interest on deposits	\$ 480
4. Conferences	\$ 250
5. AES rebate	\$ 1400
6. Potential PACE rebate	-----
<b>TOTAL</b>	<b>\$ 7066</b>

### III. EXCESS ( DEFICIT )

1. Deficit	\$ 6954
------------	---------

disk:ieee  
file:ieeexc05



## IEEE/USAB INFORMATION BULLETIN

*To provide timely and informative reports on current legislative and government actions which have potential impact on IEEE members, the engineering profession as a whole, and the national interest.*

### EDUCATIONAL ASSISTANCE NO LONGER TAX-FREE TO EMPLOYEES

Since 1978 employees have been able to upgrade their technical competence and improve and widen their job skills through education courses paid for by their employers. This fringe benefit has been--up to now--tax-free to employees by virtue of that 1978 law (Sec. 127 of the Internal Revenue Code).

Almost any IEEE member could be affected by that tax benefit, which went out of existence on December 31, 1983, despite the urging of industry, professional societies, unions, and university groups for its continuation. USAB Chairman Russell C. Drew explained the way it benefits the technical community to a House Ways and Means subcommittee in November of 1983. He was acting on behalf of the United States Activities Board and the Educational Activities Board, which had sought USAB's help in informing Congress. Dr. Drew's testimony stressed the importance of scientific and educational renewal in this time of rapid technological innovation.

The House and Senate bills to reinstate Sec. 127 got the death knell by the action of House and State conferees on the major tax legislation of this Congress (The Deficit Reduction Act of 1984, H.R. 4107).

So--as of today--all educational assistance (except courses that are strictly job-related) are subject to income, social security, and unemployment taxes. Employers must again make withholding judgments on whether educational assistance courses are job-related or not, even though no clear definition of "job-relatedness" exists. In addition, all employers who have not withheld taxes since December 31, 1983 may have to withhold for back taxes and may even be subject to penalties.

Senate tax people like Sec. 127; House tax people do not. If you agree that this provision is important, get in touch with key members of the House Ways and Means Committee and ask them to get the bill moving again. The simplest way to get Sec. 127 back on the books is to pass Representative Shannon's bill (H.R. 2568), which is a simple extension of that Section.

## EDUCATIONAL ASSISTANCE--continued

The Ways and Means Committee has the power to attach it to another legislative vehicle, such as a pending trade measure. Or--failing that--it should be reintroduced early in the next session of Congress and passed promptly.

Here are some of the arguments advanced by USAB and EAB for continuation of the tax break:

. Given the constantly changing employment picture in the country, it seems appropriate for the Federal government to adopt tax policies that encourage employees to obtain retraining and advanced knowledge and skills through employer-provided educational assistance. And at a time when we have a critical need to develop the quality of the work force and improve national productivity, we should not deliberately restrain an efficient technique for improving human capital.

. The present rapid rate of scientific and technical innovation has given new emphasis to the need for engineers and technicians to enhance and renew their technical competence on a continual basis.

. The individual engineer has a personal responsibility to plan and develop a program for life-long learning that will assure his or her continued technical renewal. Each year, the technical competence of the engineer must be expanded, so that he or she is prepared to undertake, next year, tasks for which the background was not available last year. Similarly, the employer has a responsibility to encourage and assist the engineer in improving technical competence.

If you favor continuance of a tax benefit for educational assistance, get in touch with your own Congressman or woman, or any of the seven House Ways and Means Committee conferees:

Rep. Dan Rostenkowski (D-Ill.), Chairman  
Rep. Bill Archer (R-Tex.)  
Rep. Barber B. Conable, Jr. (R-N.Y.)  
Rep. John J. Duncan (R-Tenn.)  
Rep. Sam Gibbons (D-Fla.)  
Rep. J.J. Pickle (D-Tex.)  
Rep. Charles B. Rangel (D-N.Y.)  
Rep. Fortney H. Stark (D-Calif.)

All U.S. Representatives may be addressed at: U.S. House of Representatives, Washington, D.C. 20515

IEEE

EDUCATIONAL ACTIVITIES BOARD

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
345 EAST 47TH STREET, NEW YORK, N.Y. 10017, U.S.A. TELEX 235411

DIRECT NUMBER (212) 705-7800

May 9, 1984

To: IEEE Section Chairs, Regions I-VI

Our two committees have been charged by the Educational Activities Board (EAB) of IEEE to identify and recommend to EAB a sufficient number of qualified Ad Hoc ABET Visitors for accreditation visits to Engineering and Engineering Technology programs. It is IEEE policy that at least one-half of each of the Ad Hoc Visitors Lists be persons currently employed in industry or government. Please nominate such persons as well as those who are employed by academic institutions. Visitors are needed for electrical engineering, electronics engineering, computer science and engineering, and related engineering programs; and for electrical technology, electronics technology, computer technology, and related technology programs. Each Ad Hoc Visitor must agree, if at all possible, to make one ABET accreditation visit per year and to perform certain preliminary and follow-up duties including the writing of a report. Each visit requires up to a one-person-week of activity including two and one-half or three days on site and in travel. The new visitor is also expected to attend a one-day workshop prior to making any visits, at employer expense, and normally serves for five academic years.

We write to ask you to use the enclosed forms to nominate one or more persons who meet all of the qualifications listed on the reverse of the respective forms. Please list your nominees in ranked order, and return to John Wilhelm, Staff Director of Educational Services, on or before October 19, 1984. Upon receipt of the nominations, he will contact your nominees with a request that their biographical information be furnished to IEEE by November 19, 1984. He will also ascertain their willingness to serve. The two Committees will meet shortly thereafter to consider their respective lists of names and to make appropriate recommendations to the IEEE Educational Activities Board.

Accreditation is an important responsibility for all members of IEEE. We thank you very much for considering this request and for getting the information to us.

Sincerely,

*Harriett B. Rigas*

Harriett B. Rigas, Chairperson  
Committee on Engineering  
Accreditation Commission Visitors

*Ludvik Burgar*

Ludvik Burgar, Chairperson  
Committee on Technology  
Accreditation Commission Visitors

QUALIFICATIONS FOR  
IEEE-ACCREDITATION BOARD FOR ENGINEERING AND TECHNOLOGY (ABET)  
ENGINEERING ACCREDITATION COMMISSION (EAC)  
~~AD-HOC~~ VISITORS ON ACCREDITATION TEAMS

1. Senior Member or Fellow of IEEE.
2. A minimum of 10 years experience in electrical and/or computer engineering at time of appointment, preference to be given to those with both academic and industrial experience.
3. Classification as academic or industrial determined by principal employment at time of appointment.
4. Outstanding technical competence.
5. Current familiarity with and interest in education in electrical and/or computer engineering in the United States.
6. Analytical ability, communication skills, and personal maturity commensurate with requirements of the visitor's assignment.
7. Sensitivity to the needs and potentialities of women and minorities with respect to electrical and/or computer engineering education and the associated profession.
8. Formal education to the master's level or distinction in the practice of electrical and/or computer engineering.
9. Stated willingness to accept a five-year appointment.
10. Stated willingness to conduct visits and all associated activities in accordance with the requirements of EAC/ABET and the IEEE.
11. Unless exceptional conditions exist, an academic person chosen by CEACV should be presently involved in an accredited program or have

8/28/84

SEPTEMBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 LABOR DAY	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20 AP/MTT MEETING NETWORK ANALYSIS ON TIME DOMAIN: 5:30PM AT HEWLETT PACKARD	21	22
23	24	25	26	27 COMPUTER SOCIETY MEETING PES & IA GROUP: HYATT GRAND CYPRESS TOUR DINNER 6:30PM TOUR 7:45PM	28	29
30						

REVISED 8/28/84

OCTOBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2 <i>EXEC. COMM MEETING</i>	3	4	5	6 YOM KIPPUR
7	8 SECTION MEETING SATELITE FEED: IEEE CENTENIAL: CONVOCATION	9 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM	10	11	12	13
14	15	16	17	18 AP/MTT PROF. BEN MONK DIST. LECTURER: FREQ. SELECTIVE SURFACES & ARRAY	19	20 LIFE MEMBER CENTENIAL MEETING 11AM - 3PM LUNCH-TALK-EXHIBIT DR. JOHN RYDER!
21	22	23	24	25	26	27
28	29	30	31 HALLOWEEN			

NOVEMBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 COM SOCIETY: 2 DINNER MEETING: PROFESSOR MISCHA SCHWARTZ 6:45 - CASH BAR. MARIOTTE AIRPORT.	3	
4	5	6 EXECUTIVE COMMITTEE MEETING 5:30PM:  ELECTION DAY:	7	8	9	10
11	12	13	14	15 AP/MTT : 16 NAT'L LECTURER: DR. OREN B. KESLER RADAR SIGNATURE TECHNIQUES :		17 VETERAN'S DAY
18	19	20	21	22  THANKSGIVING DAY	23	24
25	26	27	28 HALLOWEEN	29	30	

UNIVERSITY OF CENTRAL FLORIDA  
INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS  
STUDENT CHAPTER

STUDENT PROJECT

SATELLITE RECEIVING STATION

PRELIMINARY OUTLINE

BY:

STEVEN D. MCKENNA, STUDENT CHAPTER PRESIDENT

A.J. VIGIL, GRADUATE PROJECT CONSULTANT

DONALD C. MALOCHA, FACULTY ADVISOR

JULY 27, 1984

## I. OVERVIEW OF PROJECT AND PURPOSE

The UCF Student Chapter of the IEEE is now undertaking the ambitious project of designing and fabricating, stage by stage, a TVRO (Television Receive Only) Satellite Earth station. The completed system should be able to pick up any of the twelve geosynchronous satellites within our line of sight from Orlando.

This project is designed to be educational for both the students involved in the construction and the people looking at the project after completion. The project will be presented in such a fashion as to make it understandable to any person with a little science background. Each stage of the signal processing will be broken down and explained operationally. The average person should be able to follow the signal from the antenna to the T.V. and have a good understanding of the system. The project will also be an extremely valuable learning experience in the areas of electro-magnetic fields, circuit design, radio frequency components, and signal communications to all those involved.

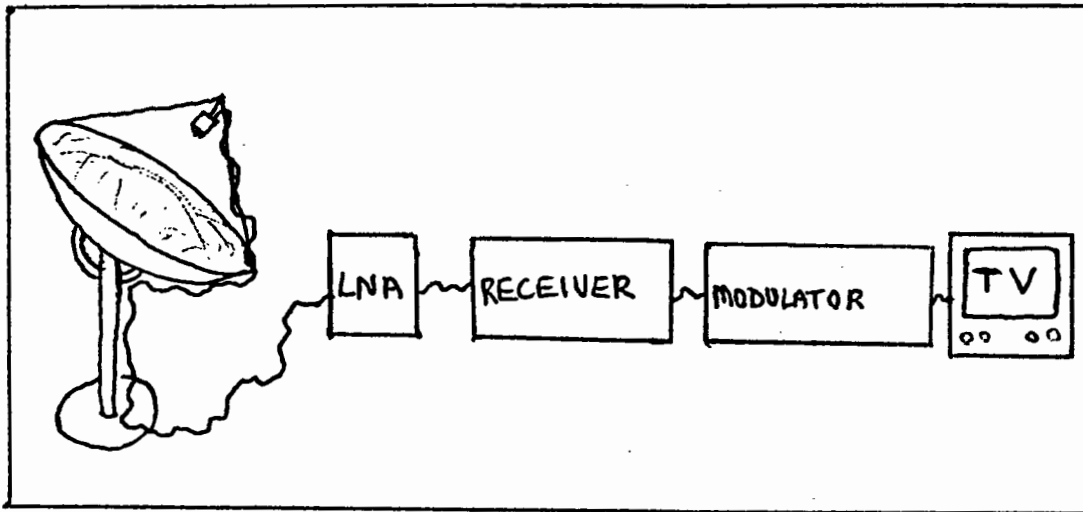
After completion, the system will be used as an educational model in certain electronics classes for analysis, etc. Presently, a new engineering building is being built and provisions are being made for the mounting of the antenna on the roof.

This project is completely optional to all of the students involved, and will not be tied to any course or degree credits. Hopefully, upon completion, the project will be presented at the engineering fair in February 1985. At that time, a slide presentation of construction, planning, and design will be shown. The UCF Student Chapter will vie to win this year's UCF Engineering Fair through this project in the centennial year of the IEEE.

The experience gained through participation in this project will make the student engineers more valuable by virtue of the research and learning activities involved in the project. The management, design, fabrication, troubleshooting and documentation experience gained will be comparable to that which could be gained through similar work in industry.

## II. BRIEF LAYOUT OF PLANS AND SKETCHES

As shown in Figure 1, the basic system consists of the dish antenna, feed horn, LNA (Low Noise Amplifier), satellite receiver, remodulator, and television receiver.



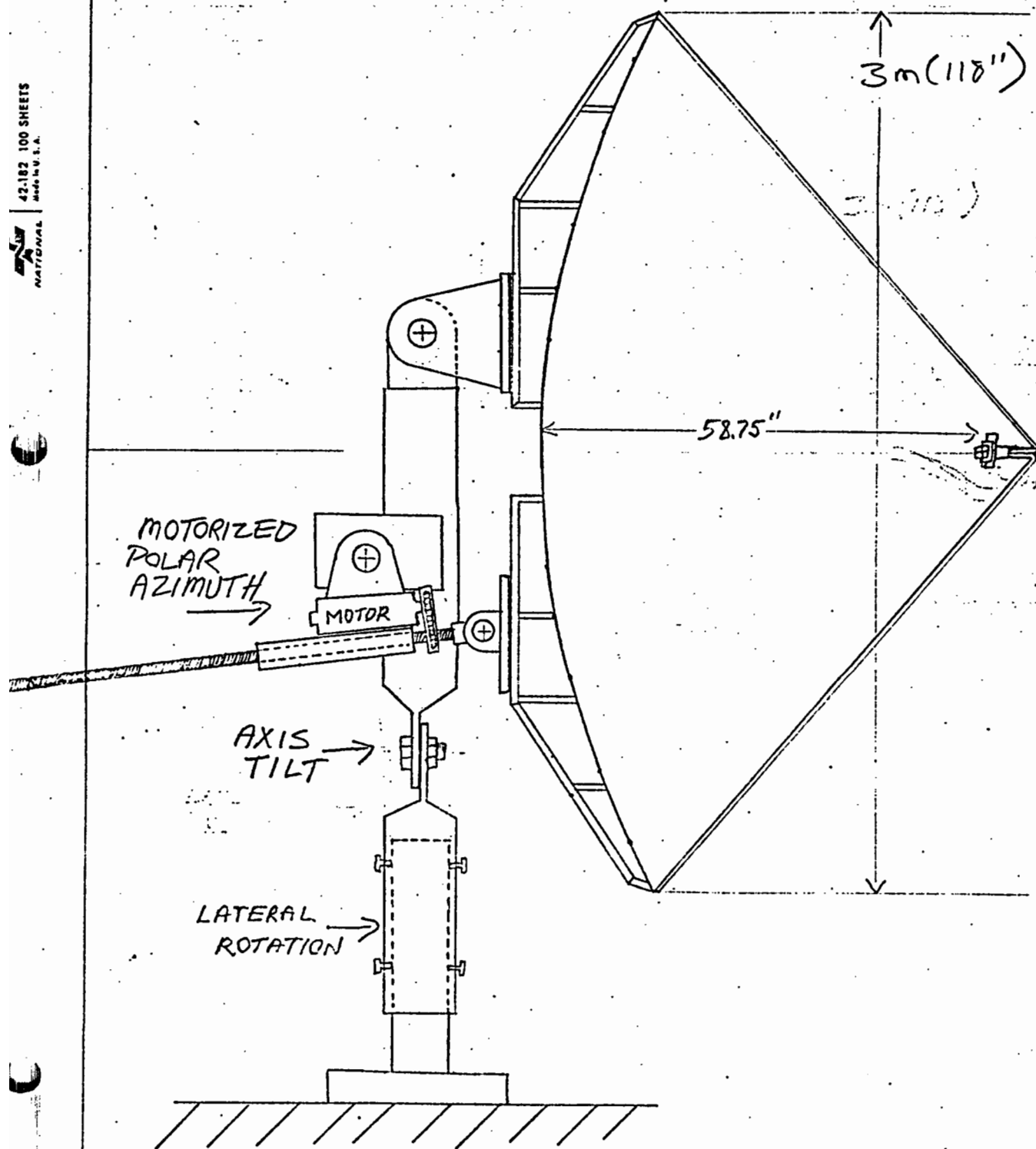
Several dish antenna designs have been considered, but one with a polar mount will be used so that the dish can swing (with the aid of a bi-directional motor) along an arc automatically and choose which satellite to receive from. One possible design is presented in Figure 2, with motorized polar mount, adjustable azimuth, and inexpensive angle-iron construction. As we will be constructing the dish ourselves, we need to keep the design as simple but workable as possible.

The Feed Horn is a very vital part of the receiving system and at this stage precision can effect the signal to noise ratio of the output. The design of this element would be more expensive and have less quality than purchasing outright. Therefore, we will buy a Feed Horn for our system.

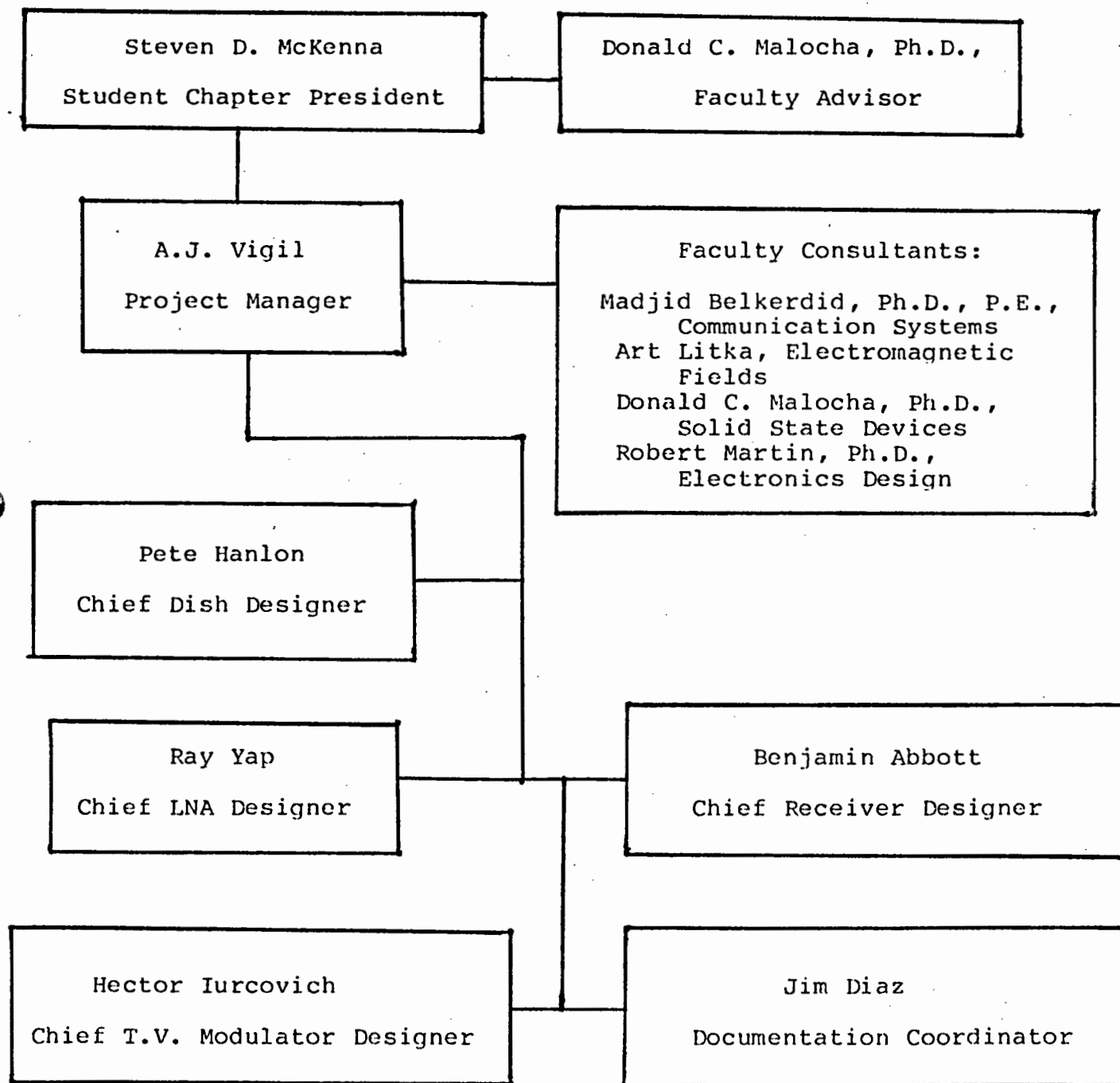
The LNA is the stage where the incoming signal (3.7-4.2 GHz) is amplified to a level that it can be carried to the receiver. Research is being done in the design of an LNA here at UCF in graduate level classes using GaAs FET Transistors. We will be collaborating with the graduate students involved for the design of an LNA.

The receiver and modulation phases of the project are pending further research and will be started on upon approval of the project and appropriate funding.

Equation:  $y^2 = 235x$



### III. ORGANIZATION OF LABOR



An estimated 20 to 25 Junior and Senior level student members of the IEEE will be assigned to the various design chiefs to complete the project design team.

#### IV. ORGANIZATION OF TIME

August 20--September 10:	Research
September 11--30 :	Design
October 1--20 :	Preliminary Fabrication
October 21--November 10:	Re-design
November 11--30:	Final Fabrication
December 1--31 :	Troubleshooting
January 1--31 :	Final Preparation
February :	1985 Engineering Fair

#### V. ROUGH COST ESTIMATE

Satellite Dish (materials, parts, etc.)	\$800
Dish Mount and Motor Drive	\$500
Roughly 150 feet quality coax cable	\$75
Feed Horn (100 degrees noise figure)	\$200
Low Noise Amplifier	\$250
Satellite Reciever (Audio & Video Demodulator, etc.)	\$700
VHF Remodulator	\$250
Television Reciever	\$385
Unexpected Costs	\$200

Total Estimate: \$3360

#### VI. CONCLUSION

The student members of the IEEE are eager to begin significant work on this project when classes begin on August 20. Some students are already doing research and weighing different options available to them in their designs. They look forward to the challenges involved, their increased interaction with the faculty, and the experience the hope will enhance their engineering skills, not to mention the thrill of victory!



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

Madjid A. Belkerdid, PhD, PE  
Communication Society Chairman  
IEEE Orlando Section  
EECS Department  
University of Central Florida  
Orlando, FL 32816  
(305) 275-2324

August 9, 1984

Professor Mischa Schwartz  
Room 1322, S.W. Mudd  
Department of Electrical Engineering  
Columbia University  
New York, N. Y. 10027

Dear Professor Schwartz:

On behalf of the Communication Society of the IEEE, Orlando, Florida Section, I would like to invite you as our technical guest speaker for our November 1, 1984 meeting. It will be an evening dinner meeting and the attendance is expected to be high.

Please send me the flight information so I can pick you up. Hotel arrangements for the overnight stay will be made for you also.

The meeting is in the evening so if you have plans for the day, please let me know if I can be of assistance. I would like you to visit the University of Central Florida if possible. Also, the IEEE public relations would like to run an article in the local paper about your visit and a 5x7 black and white photograph would be very helpful.

It is a big honor for our local chapter to have you as our guest and I am sure your contribution to the Communication Society and the IEEE Orlando Section, in this centennial year would be of great value.

Sincerely,

A handwritten signature in dark ink, which appears to read "Madjid A. Belkerdid". The signature is written in a cursive, somewhat stylized script.

Madjid A. Belkerdid

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
July 31, 1984

Checking Account Balance,  
June 5, 1984 Treasurer's Report \$ 1,671.98

Deposits to Checking Account:

6-26-84 Banquet Checks	\$ 450.00
7-7-84 Last Banquet Check	\$ <u>30.00</u>
#269, dated 6-23-84	
Sub-total, Previous Balance plus Deposits	= \$ 2,151.98

Disbursements:

#1127 George B. Taack, Jr.	\$ 45.34
Secretary's Postage and Mailing	
#1128 Ralph M. Mindock	\$ 20.00
Centennial Mug for Speaker	
#1129 Michael Oleyar	\$ 3.00
Postage, Com. Society	
#1130 Langford Hotel	\$ 449.25
Installation Banquet	
#1131 Joe Massett	\$ 27.30
Service Award Plaque	
#1132 IEEE	\$ 625.00
Standards for Orlando Public Library	
#1133 D. D. Khandelwal	\$ 47.96
Postage and Centennial Slides	
#1134 Altamonte Data Processing	\$ 71.39
Newsletter Postage and Mailing 6-11-84 Invoice	
#1135 Seminole House Printers	\$ <u>346.50</u>
June, 1984 Newsletter #10 Printing	

Total Disbursements \$ 1,635.74

Previous Checking Balance Plus Deposits	= \$ 2,151.98
Less Disbursements	= \$ <u>1,635.74</u>
Checking Balance, July 31, 1984	= \$ 516.24
Dreyfus Account Balance, 6-1-84	= \$ <u>10,012.46</u>

Gross Funds = \$10,528.70

Respectfully submitted,  
Carl F. Schunemann  
Treasurer

7/31/84

ORLANDO EXECUTIVE COMMITTEE

	<u>OUTGOING</u>	<u>INCOMING</u>
Chrmn	Ed Ellis	Frank Fluet
V. Chrmn	Frank Fluet	George Taack
Sec.	George Taack	Don Malocha
Treas.	Carl Schunemann	Carl Schunemann
Ch. Chrmn	Geof Dick	_____

	<u>STANDING COMMITTEE</u>	
Jr. Past Chrmn	Mannie Connell	Ed Ellis
Sr. Past Chrmn	Ben Patz	Mannie Connell
Programs	George Taack	_____
P.R. Chrmn	George McClure	George McClure
Publications Editor	Al Fowler	_____
Adv. Mgr.	Bill Kownacki	_____
Awards	Joe Massett	_____
Fla. Eng. Soc. Liaison	(Ed Ellis)	_____
PACE	John Gilbert	John Gilbert
Stud. Act.	Richard Miller	Don Malocha
Educ.	Fred Simons	Fred Simons
Memb. Dev.	Deen Khandelwal	_____

	<u>SPECIAL COMMITTEES</u>	
ByLaws	E. E. Erickson	_____
(?) SOUTHCON	Bruce Matthews	_____
(?) Advert. Mgr.	Bill Kownacki	_____
Historian	Russ Theisen	_____
Member-at-Large	Bill Cram	_____
Centennial	Deen Khandelwal	Deen Khandelwal

DATE:

8/28/84.

## ATTENDEES

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING

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

Name	(Address)	Bus. Phone	Home Phone
DON MALOCHA	UCF	275-2414	862-5693
FRANK FLUET		✓	✓
STEVE FORSYTH	1429 STORMWAY CT/ALBUQUERQUE 87203	849-3000	886-2231
George B. TAACK JR.	4 Robinwood Drive Longwood 32779-9743	849-3000	321-0319
George F. McClure	1230 St. Louis Ln. Winter Park FL 32789-5847	356-3782	647-5092
WOODY CARREL	AIL	845-7030	831-4591
CONRAD BLANKENEE	8998 Lichten Wds O	351-9485	876-3577
Ben Patz	UCF	275-2816	855-3685
Jorge Medina	2008 LAS PALMAS CIRCLE	834-9600	277-8929
Steven D. McKenna	UCF	277-6022	275-2156
Deen D. Khandelwal		✓	✓
GEOFFREY E. DICK	1014 CARVELL DRIVE WINTER PARK, FLA	356-2796/2595	678-0979
Fred P. Wilcox	3218 Cullen Lake Shore Dr Orlando Florida 32812	356-2328	852-0098
CHADWIK ABDALLAH	4019 Versailles Dr ORLANDO - FLORIDA-32808	886-8860	291-2664
MICHAEL HARRIS	4737C GOLDENROD RD	275-2548	671-1849
Ed Ellis			
M. OLEYAR	6221 Donegal Dr. Apt.	<del>628-4884</del>	<del>876-3582</del>
D. FLINCHBACH			
AVELINO GONZALEZ	(C) STGD	281-2982	365-2812

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
(Sept Mtg) August 28, 1984

AGENDA

1. Introductions
2. Approval of previous minutes.
3. Treasurer's Report Carl Schunemann
4. Chapters Chairmen Representative Geof Dick
5. Standing Committee Reports
  - a. Programs George Taack
  - b. Public Relations George McClure
  - c. Publications Al Fowler
  - d. Advertising Bill Kownacki
  - e. Awards Joe Massett/Ben Patz
  - f. Florida Engineering Soc. Liaison
  - g. PACE John Gilbert
  - h. Student Activities Don Malocha
  - i. Education Fred Simons
  - j. Membership Development Deen Khandelwal/Woody Carter
6. Special Committees
  - a. By-Laws George McClure
  - b. Historian Russ Theisen - *not pres.*
  - c. Centennial Deen Khandelwal
7. Chapter Reports
  - a. Aerospace and Electronic Systems Society Dave Flinchbaugh
  - b. Communications Society Madjid Belkerdid
  - c. Computer Society Steve Forsythe
  - d. Electron Devices Society Ralph M. Mindock
  - e. Antennas and Propagation/Microwave Theory and Techniques Society Fred Wilcox
  - f. Power Engineering/Industry Applications Society Michael Haddad
  - g. Student Branch IEEE Steven D. McKenna
  - h. Student Chapter, Computer Society RON KRAUSKOPF
8. Unfinished Business
  - a. Finance Comm. Report, Carl Schunemann
  - b. Budgets review/approval
  - c. Chapter's chairmen representative election results.
9. New Business
10. Time/Place of Next Meeting *Oct 6.*
11. Adjourn

BUDGET  
IEEE Orlando Section (7/1/84-6/30/85)

FAF 8/26/84

I. EXPENSES	8-7-84 PRELIM(\$)	8-28-84 REVISED(\$)
1. Publications (Section Notes) . . . . .	\$7,045	<u>6945</u>
2. Secretary. . . . .	100	<u>100</u>
3. Chapters:		
Chapter's Chairmen's Representatives . . . . .	75	<u>75</u>
AES . . . . .	<del>250</del>	<u>150</u>
COMM . . . . .	750	<u>750</u>
COMP . . . . .	<del>300</del>	<u>150</u>
ED . . . . .	200	<u>200</u>
AP/MTT . . . . .	200	<u>200</u>
PE/IA . . . . .	200	<u>200</u>
4. Public Relations Comm. . . . .	200	<u>200</u>
5. Awards Comm. . . . .	250	<u>250</u>
6. PACE Comm. . . . . <i>Pace rebate 25% of printing</i>	<del>200</del>	<u>100</u>
7. Student Activities Comm. . . . .	400	<u>230</u>
8. Education Committee . . . . .	0	<u>0</u>
9. Membership Development Comm. . . . .	100	<u>100</u>
10. Centennial Comm. . . . .	1,300	<u>850</u>
11. Program Committee . . . . .	2,750	<u>2750</u>
12. Historian . . . . .	100	<u>100</u>
13. Miscellaneous . . . . .	500	<u>500</u>
14. <i>Student Project Support</i>		<u>\$170 seed \$</u>
15. <i>FCIEEE</i>		
TOTAL . . . . .	14,970	

II. INCOME	PRELIM(\$)	REVISED(\$)
1. IEEE Rebate from H.Q. . . . .	3,136	
2. Advertising in Section Notes . . . . .	1,800	
3. Interest on Deposits . . . . . (Est. avg. deposit \$6,000 @ 8% avg. interest)	480	
4. Conferences (est.) . . . . .		
5. <i>Pace Rebate 25% Pub cost</i>		
<i>AES Rebate</i>		<u>250</u>
TOTAL . . . . .	5,416	

III. EXCESS (DEFICIT)  
OF INCOME OVER EXPENSES . . . . . (9,554)

BUDGET

ATTACHMENTS

I. <u>REBATE ESTIMATE (INCOME)</u>		<u>\$</u>
a. Section Base Amount . . . . .		200
b. Member Rebate:		
3 \$/member: up to 200 members . . . . .		600
1.50 \$/member over 200		
(est. 900 total members) . . . . .		1,050
c. Chapter Member Rebate . . . . .		336
(@0.7 \$/Chapter member, 480		
members as of 10-21-83)		
d. New Member (@ \$6.00 each) . . . . .		150
(est. 25)		
e. Tech. Conference (@ \$100 each) . . . . .		---
f. Section, Chapter Tech or Prof. Meeting . .		800
g. Educational Activities Incentives . . . . .		---
		<hr/>
TOTAL . . . . .		3,136

## II. SECTION NOTES (EXPENSE)

(Based on 1100 copies)  
(modified from Al Fowler's budget estimates 8/16/84)

	<u>\$</u>
a. Printing:	
12-page issues (8@ 420) . . . . .	3,360
16-page issues (2@ 550) . . . . .	1,100
1-special Centennial Issue (est.) . .	1,400
b. Labels and Mailing . . . . .	385
(1100@ 32 \$/1000 = 35)X11	
c. Postage (1100@ \$0.055 = 60)X11 . . . . .	660
d. Permit . . . . .	40
e. Miscellaneous . . . . .	<del>100</del>
	<hr/>
TOTAL . . . . .	7,045

6945

### III. CENTENNIAL COMM. (EXPENSE)

(Remaining expenses of Centennial Activities approved 3/6/84)

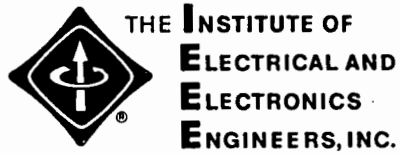
	<u>\$</u>	
a. Essay Competition . . . . .	<del>1,000</del>	<del>550.00</del>
\$500 + \$200 + 100 +		
4 IEEE Centennial Mementos +		
Certificates		
b. Duplicate Slides of IEEE History . . . . .	<del>50</del>	<del>6.00</del>
c. Educational Material . . . . .	<del>---</del>	<del>50.00</del>
d. Miscellaneous . . . . .	250	
e. Special Issue of Section Notes . . . . .	<del>---</del>	
(See "Publications" attachment		
\$1,000 had been approved)		
TOTAL . . . . .	<del>1,300</del>	<del>800</del>
		\$850.00

IV. PROGRAM COMMITTEE (EXPENSE)

(from George Taack's budget estimates 8/7/84)

	<u>\$</u>
a. Centennial Convocation Section Mtg (Oct '84)	50
b. Section Meeting November . . . . . (Joint W.Comm Tech Mtg )	400
c. Social Meeting (Spring/Fall) . . . . .	200
d. Engineer's Week Banquet (Feb. '85) . . . .	920
e. Section Meeting (Mar '85) . . . . .	300
f. Installation-of-Officers Banquet (June '85)	280
g. Student Subsidy . . . . .	600

TOTAL . . . 2,750



PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

August <sup>27</sup>~~13~~, 1984

To: EXECUTIVE COMMITTEE

From: D.C. Malocha

Subject: Budget for IEEE Secretary for 1984-1985

The following is a proposed budget for the 1984-1985 year:

1. Executive committee mailings	
Postage: 11 mos. w/ 30 members @ \$.20	\$ 66.00
2. Other mailings	
Postage: 3 w/ 50 letters @ \$.20	\$ 30.00
3. Miscellaneous coping, supplies, etc.	\$ 4.00
	-----
Total	\$100.00

disk:ieee  
file:ieeexc02

Income - Expenses Sheet for the two-day MEMO AND REPORT WRITING  
FOR ENGINEERS WORKSHOP for IEEE members

Participants	40	50	60
Income @ \$145 for two days	\$5,800	7,250	8,700
Expenses			
Promotion	\$ 200	200	200
Meeting Room (2 days)	\$ 200	200	200
Breaks \$10/person (\$5/person/day)	\$ 400	500	600
Lunch \$18/person (\$9/person/day)	\$ 720	900	1,080
Materials \$5/person	\$ 200	250	300
Presenter \$2,000	\$2,000	2,000	2,000
includes:			
travel			
lodging			
meals			
Total Expenses	\$3,720	4,050	4,380
Balance	\$2,080	3,200	4,320
To Chapter	\$1,040	1,600	2,160
To DBA	\$1,040	1,600	2,160
(includes four follow-ups)	\$ 552	672	832)

Course content for the IEEE two-day MEMO AND REPORT WRITING FOR ENGINEERS workshop

This is a workshop in which you learn by doing. With the instructor's help, you will be assessing, revising, and editing your own writing during the two days.

Analysis

Would you explain your project results to your boss in the same manner you explain them to a customer? If your answer is sometimes, learn how to analyze your audience and choose the writing style most appropriate for that audience.

Determination

Have you ever been surprised by an action resulting from a memo or report and wondered, "Why did they do that?" It may be that you signaled a message you didn't intend. You will learn to tailor communications for specific purposes.

Conciseness

Perhaps the Bauhaus designers said it best: "Less is More." You will learn to reduce sharply the wordage in your writing without sacrificing effect, logic, or power.

Organization

Do your blueprints and schematics proceed logically from point A to point B while your reports most closely resemble the "blue highways" on a road map? Using your own work, you will gain experience in organizing your writing.

Effectiveness

Do you occasionally look at memos and lament, "Where's the meat?" You will learn to write paragraphs which emphasize all the important ideas you want the reader to get.

Clarity

Diamonds, whatever their size, are valued for their clarity. The same can be said of good written communication. You will learn to strengthen your material while retaining its clear, clean style.

Style

Do your coffee break anecdotes roll smoothly along while your written communication stutters and stumbles from start to finish? You will work with the instructor to develop a smoother, more natural writing style, getting rid of writing practices which dilute emphasis. You will learn to produce lean, powerful, persuasive writing.

Editing

You will learn editors' trade tricks: emphasizing what is significant, resolving potential problems, and analyzing for effect, while retaining logic, integrity, and strength. You will learn to become your own editor.

  
THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.  
ELECTRON DEVICES SOCIETY

PLEASE REPLY TO:

Ralph M. Mindock  
High Technology Sensors, Inc.  
262 East Hornbeam Drive  
Longwood, Florida 32779  
(305) 862-8182

REF: 84-IEEE-24

August 25, 1984

To: Executive Committee  
From: R. M. Mindock  
Subject: Orlando Chapter of Electron Device Society Plans For 1984-1985

The following program is proposed for the Orlando Chapter.

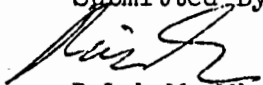
<u>Date</u>	<u>Proposed Subject</u>	<u>Meeting Coordinator</u>
Sept./Oct. 1984	Ion Cluster Beam Activities at Parks Jaegger	Malocha
Nov./Dec. 1984	University of Florida or NSF Activities in Micro- electronic Technologies	Malocha
January, 1985	Electron Device Society National Lecturer (Dinner Meeting)	Zanowick
March, 1985	To Be Determined	Zanowick ATT Coordinator
May, 1985	VLSI Activities at Harris (Dinner Meeting)	Mindock

The proposed budget for these activities is \$290.00 (\$100.00 per dinner meeting and \$30.00 per informal meeting). The Electron Device Society will, for selected meetings, use mailing lists for the Electron Device Society membership throughout the state of Florida.

Officer for 1984 - 1985 will be:

R. M. Mindock - Chairman  
Dick Zanowick - Vice Chairman  
Don Malocha - Vice Chairman

Submitted By:

  
Ralph M. Mindock  
Chapter Chairman  
Electron Devices Society  
Orlando Section  
IEEE

IEEE EXEC  
Sept MEETING

8/28/04

Call to order: 5:45pm.

- New Committee Members

Ben Patz

Woody Carter

- Minutes accepted

- Treasurer's report - none

Finance Comm. did not meet  
Meeting to be asked 9/18 week

- Chap. Chairmen

Calendars submitted

a) Programs

Satell. F ad

Basement UCF Lib

≈ 50 people RSVP

TV Studio

b) PR -

Photo Comm Soc. Schwartz

Hyatt Grand Cypress

Library donations

c) Adver.

d) Awards - Plaques for outgoing Exec. Comm.  
in lieu of standard certificates

Pace - Need full page to obtain rebate.

Stud. Activ -

Fred Simons - Educ.

Dean Barry

Mem. Sec.

New members/joining section

Put section # in notes

To: FCIEEE

950 members 7/31

a) By-laws: Changes to be sent  
to Region

c) Centen

Oct. 20 Life Members

Orl. Garden Club 12:00 - 4:00

All life mem + spouse fri \$3.50

Dr. Ryder - Chair. Cent Task Force.  
will speak.

Frank Timmons - write-up

Announce in Sept. section notes

Reservations reqd.

Standardized deliv. to library.

Labels printed for cover.

~~the~~ Proposal for life members

Dr. Wool - @ May 13 meeting has items of  
historical interest for display.

Will part with them for good

Dr. Hanns H. Wolff.  
8624 Caracas Ave.  
Orl. Fl. 32825  
305 277-2523.

Special Issue - Aug. 30 deadline  
for centennial activities.

2nd week of Sept. very latest  
for Minutes Summary etc.

Dallas Modern - Math & Science  
Orange County School System.

Topics for papers:

- 1) What has E.E. done for us?
- 2) What will E.E. accomplish by 2020?
- 3) I.E.E. Centennial project for the future?  
for High School Seniors.

Field Trips to local industry.

Symposium topics to speak to their level.

Southcon or Southeast con

George McClure - speakers bureau.

# Chapter

AAES - Large Space Antenna for Full  
Automation & Robotics Factories on Moon,  
Nov. Finch.

Comm - Mike Harris Nov. 1 meeting

Comp. Soc. - nothing new  
E. D.

AP/MTT - 4 meetings sched.

Prof. Ben Monk. Oct

Freq. Select. Surf. Anten.

Nov. 15. Dr. Kexler.

Reducing Radar Cross Section

@ H.P. Locations

PE/LA - Avelanno Longellas

Sept. 27 - Grand Cypress Tour

- Super Cond. Generator.

- Patent Attorney.

Stud. Branch - Seed Money.

T.B.L.

Bill Kownacki - Advertising  
Need Chairman

Budget - Conference (est.).  
Rebates available:

Meeting Adjourned 8/17.



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Ln.  
Longwood, Fl. 32779  
Hm: (305) 862-5693  
Wk: (305) 275-2414

October 20, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be :

Tuesday, November 6, 1984

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Dr.  
Orlando, Fl. 32804  
843-7030

Respectfully,

A handwritten signature in cursive script that reads "Donald C. Malocha". The signature is written in dark ink and is positioned above the printed name and title.

Donald C. Malocha  
Secretary  
IEEE Orlando Section

-1-  
IEEE Executive Committee Meeting  
Orlando Section

Date: October 2, 1984

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	George B. Taack, Jr.	Frank Fluett
	Richard Harden	Ed Ellis
	George McClure	Steve Forsythe
	Don Malocha	Fred O. Simons, Jr.
	Ben Patz	Geoff Dick
	Russ Theisen	Joe Massett
	David Flinchbaugh	John Gilbert

- MINUTES:**
- Meeting called to order at 5:33 pm by Frank Fluett, Chairman. The necessary quorum was present at 6:25 pm.
  - The Sept. minutes were reviewed by attendees. A motion was made to accept the minutes and was seconded. Motion passed.
  - Treasurer's Report - Carl Schunemann:**  
Treasurer's report dated Sept. 14, 1984 was submitted and is attached. Carl was absent and report was approved.
  - Chairman's Report - Geoffrey Dick:**  
No new report. Calander remains as submitted in September.
  - Programs - George Taack:**  
IEEE Convocation will have low attendance.  
Nov. 1 meeting: Speaker: Mischa Schwartz  
Cost: Members- \$15.00 Students- \$8.00  
Reservations necessary. See section notes for details.
  - Public Relations - George McClure:**  
Possible Orlando Sentinel coverage for Engineering Week.
  - Publications - Al Fowler:** Ed Ellis reported, Al Fowler will be out of town and Ed Ellis will be guest editor for the September issue.  
Will add "TIME VALUE MAIL" to section notes for quicker delivery.

8. Advertising - Geoff Dick:

Motion for new rates for advertising was presented and passed unanimously. The following schedule is provided:

TO	FROM	PAGE SIZE
\$45	\$30	1/4
\$55	\$40	1/3
\$65	\$50	1/2
\$75	\$57	2/3
\$85	\$65	3/4
\$100	\$75	1

9. Awards - Ben Patz:

A discussion of plaques for outgoing officers was held. No decision was made and discussion is tabled until next meeting.

10. Florida Engineering Society Liason - R.C. Harden:

FES will meet Oct 30. The Sept. minutes were reviewed by the Region 3 committee and were approved.

11. Pace - John Gilbert:

No new activities. Announced 1 day Region 3 meeting on Nov. 17 in Charlotte, N.C. This is Pace's Chairmen's workshop. Some travel support is available.

12. Education - Fred Simons:

If not enough attendants by Oct 13, short courses will be cancelled.

13. Student Activities - Don Malocha:

UCF students will attempt to hold Student Professional Awareness Conference (SPAC) on Nov. 14. FES will provide \$300.00 to student section. Dr. Guha will be faculty coordinator.

14. Membership Development - <sup>Woody Carter</sup> Dean Khandewal:

Report was submitted. <sup>Woody</sup> Dean was absent and no discussion was held.

15. By-Laws - George McClure:

Current By-Laws are not yet printed.

**16. Historian- Russ Theisen:**

IEEE will report the 250,000 member and will this person will receive benefits and prizes in celebration of centennial.

IEEE T-shirts and caps are available from Russ. IEEE or Comp. Soc. emblems are available. \$70.00 was approved by section for purchase of set to distribute among selected student members.

**CHAPTER REPORTS**

**17. AEES - Dave Flinchbaugh**

Dave was in Germany participating in International Cooperation on Space Exploration Conference.

**18. Communication - Madjid Belkerdid:**

November 1st joint Comm. and Section dinner meeting is planned. The speaker will be Misha Schwartz who will present " Computer Communication Networks; Past, Present and Future" at 6:30 pm. See section notes for details.

**19. Computer Society - Steve Forsythe:**

Organizational meeting was held. George Medina is now Vice-Chairman. Program planning is being conducted.

**20. Electron Device Society - Ralph M. Mindock:**

Don Malocha reported no new business.

**21. MTT/AP - Fred Wilcox: No report.**

**22. PE - Mike Haddad: No report.**

**23. Student Branch IEEE - Steve McKenna: Absent; no report.**

**24. Student Chapter, Computer Society: No report.**

**25. Meeting adjourned at 8:30 pm.**

**26. Time/Place of next meeting:**

Nov. 6, Tue., 5:30 pm, Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 and Colonial Drive )

disk:ieee  
file:ieeexc08

IEEE ORLANDO SECTION  
TREASURER'S REPORT, SEPTEMBER 4, 1984

Checking Account Balance,  
July 31, 1984 Treasurer's Report \$516.24

Deposits to Checking Account:  
(Newsletter Advertising Receipts) 9/4/84

Hewlett Packard, #270916, 8/9/84	420.00
Hewlett Packard, #271910, 8/16/84	200.00
Fischbein Advertising, Inc., #54315, 8/23/84	85.00
Softronix, Inc., #1337, 7/31/84	75.00

Sub-total, Previous Balance Plus Deposits = \$1,296.24

Disbursements:

#1136 D. D. Khandelwal	\$4.20
Postage, A&E Letters	
#1137 D. D. Khandelwal	73.95
IEEE Standards Dictionary	
for Orlando Public Library	
#1138 F. A. Fluet	13.53
Picture Frame, Certificate of	
Appreciation to T. E. Ellis	
#1139 George B. Taack, Jr.	8.86
Secretary's expenses, mailing,	
Labels, Stamps, Envelopes	
#1140 David E. Flinchbaugh	133.40
AES Meeting Expenses	
#1141 D. D. Khandelwal	13.60
Postage for Letters to Life Members	
#1142 Altamonte Data Processing,	88.46
Newsletter, Postage, Labels, Deliver to P.O.	
#1143 Seminole House Printers,	415.27
August 1984 Newsletter #11.	
	<hr/>
	\$751.27

Summary:

Previous Checking Balance Plus Deposits =	\$1,296.24
Less Disbursements =	751.27

Checking Balance, 9/4/84 = 544.97

Dreyfus Account Balance, Sept. 4, 1984 = \$10,279.72

Gross Funds = \$10,824.69

Respectfully Submitted,

*Carl F. Schunemann*  
Carl F. Schunemann  
Treasurer

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
OCTOBER 2, 1984

CHECKING ACCOUNT BALANCE,  
SEPTEMBER 4, 1984 TREASURER'S REPORT

\$544.97

PLUS DEPOSITS, NOT PREVIOUSLY RECORDED:

4-9-84 C. WILLIAM CLEWORTH  
CENTENNIAL CONTRIBUTION

\$25.00

4-11-84 REST OF TICKETS RECEIPTS  
ELECTRON DEVICES DINNER  
MEETING OF 4-10-84

\$373.31

REVISED CHECKING ACCOUNT BALANCE  
AS OF SEPTEMBER 4, 1984

\$943.28

DISBURSEMENTS:

#1144 CASSELBERRY SENIOR CITIZENS CENTER  
(TO RESERVE LIFE MEMBERS MEETING  
ROOM FOR OCTOBER 20, 1984)

\$50.00

#1145 ORLANDO AIRPORT MARRIOTT  
ATTENTION: BERNIE ACKLEY  
(NOVEMBER 1ST IEEE MEETING DEPOSIT)

\$100.00

#1146 MR. STEVE MCKENNA  
(DONATION TO IEEE STUDENT CHAPTER)

\$400.00

TOTAL DISBURSEMENTS

\$550.00

OCTOBER 2, 1984 CHECKING ACCOUNT BALANCE  
(\$943.28 - \$550.00 = \$393.28)

= \$393.28

DREYFUS ACCOUNT BALANCE, 9/28/84

\$10,362.46

GROSS FUNDS

\$10,755.74

CHECKING ACCOUNT RECONCILIATION:

BARNETT BANK STATEMENT  
BALANCE AS OF 8-31-84

\$680.61

PLUS 9-4-84 DEPOSITS SHOWN  
ON 9-4-84 TREASURER'S REPORT

\$780.00

SUB-TOTAL

\$1,460.61

DISBURSEMENT CHECKS NOT BACK:

#1141

\$13.60

#1142

\$88.46

#1143

\$415.27

CHECKS SHOWN ON 9-4-84 TREASURER'S REPORT  
(#1144 THRU #1146)

\$550.00

SUB-TOTAL, CHECKS NOT BACK

= \$1,067.33

CHECKING ACCOUNT BALANCE,  
OCTOBER 2, 1984 TREASURER'S REPORT  
(\$1,460.61 - \$1,067.33 = \$393.28)

= \$393.28

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE ROSTER

(9/84)

Steve McKenna  
UCF-COE  
Orlando, Fl. 32816

Student Chapter President  
Bus: 275-2786  
Hm: 275-2786

Mannie Connell  
5136 Nadine St.  
Orlando, Fl. 32807

Sr. Past Chairman  
Bus: 784-7000  
Hm: 273-8588

Geoff Dick  
1014 Carvell Dr.  
Winter Park Fl. 32792

Chapters Chairman  
Bus: 356-2796  
Hm: 678-0979

Ed Ellis  
902 Red Bird Lane  
Altamonte Springs, Fl. 32701

Jr. Past Chairman  
Bus: 244-1203  
Hm: 834-3319

David Flinchbaugh  
4855 Big Oaks Lane  
Orlando, Fl. 32806

AESS Chapter Chairman  
Bus: 268-7252  
Hm: 859-4855

Frank Fluet  
Automation Intelligence Inc.  
1200 W. Colonial Dr.  
Orlando, Fl. 32804

Section Chairman  
Bus: 843-7030  
Hm: 339-8905

Stephen Forsythe  
1429 Stormway Ct.  
Apopka, Fl. 32703

Comp. Chapter Chairman  
Bus: 849-3000  
Home: 886-2231

John D. Gilbert  
2205 Miscindy Place  
Orlando, Fl. 32806

PACE Chairman  
Bus: 365-2363  
Hm: 859-5492

Avelino Gonzalez  
Westinghouse Electric Co.  
The Quadrangle  
Orlando, Fl. 32817

PE/IE Vice-Chair.  
Bus: 281-2982  
Hm: 365-6812

**Michael Haddad** PE/IE Chairman  
Westinghouse Steam Generator Div?  
4402 Carolwood St. Bus: 851-3719  
Orlando, Fl. 32806 Hm: 851-3719

**Dr. Richard Harden** FES Liason  
5512 Chanault Ave. Bus: 855-0881  
Orlando, Fl. 32809 Hm: 855-5775

**Dr. Deen Khandelwal** Centennial Chairman  
8610 Vesta Terrace Bus: 356-2583  
Orlando, Fl. 32817 Hm: 277-5959

**Dr. Donald C. Malocha** Section Secretary & Student  
409 Bay Tree Lane Act. Char. & ED Vice-Chair  
Longwood, Fl. 32779 Bus: 275-2414  
Hm: 862-5693

**Dr. Bruce E. Mathews** Southcon  
UCF-COE Bus: 275-2156  
PO BOX 25000 Hm: 645-0549  
Orlando, Fl. 32816

**George F. McClure** Public Relations & By-Laws  
1730 Shiloh Lane Bus: 356-3782  
Winter Park, Fl. 32789 Hm: 647-5092

**Ralph M. Mindock** ED-Chairman  
262 E. Hornbeam Dr. Bus: 862-8182  
Longwood, Fl. 32779 Hm: 862-7764

**Mike Olyer** Comm. Chapter Secretary  
6221 Donegal Dr. Bus: 849-3336  
Orlando, Fl. 32811 Hm: 876-3582

**Dr. Ben Patz** Awards  
695 Gatlin Ave. Bus: 275-2816  
Orlando, Fl. 32806 Hm: 855-3685

Carl F. Schunemann, Jr. Section Treasurer  
2111 Geronimo Trail Bus: 356-7207  
Maitland, Fl. 32751 Hm: 647-4992

Fred O. Simons, Jr. Education  
1688 Cypress Point Lane Bus: 275-2405  
Winter Park, Fl. 32792 Hm: 678-1796

George B. Taack, Jr. Section V-Chairman & Programs  
4 Robinwood Drive Bus: 244-1389  
Longwood, Fl. 32779-9743 Hm: 321-0319

Russell E. Theisen Historian  
2667 Fitzhugh Road Bus: 356-4320  
Winter Park, Fl. 32792 Hm: 671-4320

Fred P. Wilcox AP/MTT Chairman  
Martin Marietta Corp. Bus: 356-2328  
3218 Cullen Lake Shore Dr. Hm: 857-0098  
Orlando, Fl. 32812

Richard L. Zanowick ED V-Chairman  
511 Temple Tr. Bus: 356-2914  
Maitland, Fl. 32751 Hm: 645-0831

Conrad Blankenzee V-Chairman Program Comm.  
8998 Critchton Woods Bus: 351-9485  
Orlando, Fl. 32819 Hm: 826-3577

Alex Marton Publications  
2705 Faulkner Rd. Bus: 629-5591  
Orlando, Fl. 32810 Hm:

Woody Carter Membership Development  
2455 Fieldingwood Rd. Bus: 843-7030  
Maitland, Fl. 32751 Hm: 831-4591

Ron Krauskopf      Section Chairman      Student Comp. Chap.      32751  
UCF- Comp. Sci Dept.      Bus: 325-2548      32751  
Orlando, Fl. 32816      Hm: 327-1763      32751

Mike Harris      Education      V-Chairman Comm. Chap.      32751  
UCF-COE      Bus: 275-2548      32751  
PO BOX 25000      Hm: 671-1849      32751  
Orlando, Fl. 32816      32751

Section V-Chairman & Programs      George P. Black, Jr.  
Bus: 327-1339      4 Redwood Drive  
Hm: 321-3213      32751-3213

Historian      Russell E. Thiesen  
Bus: 327-4320      2257 Redwood Road  
Hm: 327-4320      32751

VP/MT Chairman      Fred P. Wilcox  
Bus: 327-4320      Martin Wilcox Corp.  
Hm: 327-4320      3213 College Lake Shore Dr.  
Orlando, Fl. 32813

VP V-Chairman      Richard E. Sawowicz  
Bus: 327-4320      511 Temple St.  
Hm: 327-4320      32751

V-Chairman Program Comm.      Conrad R. Hannon  
Bus: 327-4320      2257 Redwood Road  
Hm: 327-4320      32751

Publications      Alex Wilson  
Bus: 327-4320      2257 Redwood Rd.  
Hm: 327-4320      32751

Membership Development      Woody Carter  
Bus: 327-4320      2257 Redwood Rd.  
Hm: 327-4320      32751

MEETING NOTICE

ORLANDO SECTION IEEE  
MTT & AP SOCIETY

SPEAKER

DR. OREN B. KESLER  
ANTENNA LABORATORY  
TEXAS INSTRUMENTS, INC.

THERE HAS BEEN A RENEWED INTEREST IN REDUCING THE RADAR CROSS SECTION (RCS) OF AIRFRAMES, WEAPONS AND OTHER TARGETS. IT HAS LONG BEEN RECOGNIZED THAT THE REDUCTION IN THE RCS IS ONE OF MANY TRADEOFF PARAMETERS THAT AFFECT THE SUCCESS OF A MISSION. HOWEVER, ONLY RECENTLY HAS THERE BEEN A CONCERTED EFFORT TO FIELD NEW HARDWARE DESIGNED WITH REDUCED RCS AS A GOAL. DEVELOPMENTS IN MICROWAVE TECHNOLOGY AND ANALYSIS ARE JUST TWO OF THE FACTORS THAT HAVE INFLUENCED THE REDUCED RADAR CROSS SECTION (RRCS) TREND.

DR. KESLER WILL GIVE AN OVERVIEW OF THE PROBLEM OF REDUCING THE RADAR CROSS SECTION AND BRIEFLY DESCRIBE THE PAST WORK. DEVELOPMENTS IN MEASUREMENT TECHNIQUES, PARTICULARLY IN COMPACT RANGE, WILL BE DISCUSSED AND DATA SHOWN. ELECTROMAGNETIC SCATTERING ANALYSIS TECHNIQUES AND ISSUES THAT AFFECT RCS PREDICTION WILL BE CONSIDERED AND ILLUSTRATED WITH EXAMPLES. AND, FINALLY, PROJECTED TRENDS IN RADAR SIGNATURE TECHNOLOGY WILL BE GIVEN.

TOPIC

RADAR SIGNATURE TECHNOLOGY

PLACE AND TIME: HEWLETT-PACKARD CO., LAKE ELLENOR DRIVE, NOV., 15, 1984, 5:30 PM  
DINNER AT GARY'S DUCK INN AFTER THE TALK

# AP/MTT MEETINGS

<u>Date</u>	<u>Speaker</u>	<u>Topic</u>
Thursday September 20, 1984	Phil Bartley Dist. Mgr., H. P., Atl, Ga.	Network Analysis in the Time Domain
Thursday October 18, 1984	Prof. Ben Monk AP-S Dist. Lecturer	Scan Independent Phased Arrays
Thursday November 15, 1984	Dr. Oren B. Kesler TI - Antenna Lab.	Reducing the Radar Cross Section
<del>JANUARY</del> 1985	GERALD HICKMAN SCIENTIFIC ATLANTA	NEW RCS RANGE INSTRUMENTATION
Wednesday April 20, 1985	Dr. Paul T. Greiling Dist. Microwave Lecturer	High Speed Digital IC Performance Outlook

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
November 6, 1984

AGENDA

1. Introductions & Review Agenda Frank Fluet
2. Approval of previous minutes. Don Malocha
3. Treasurer's Report Carl Schunemann
4. Chapters Chairmen Representative Geof Dick
5. Standing Committee Reports
  - a. Programs George Taack/Conrad Blankenzee
  - b. Public Relations George McClure
  - c. Publications Alex Marton
  - d. Advertising John Gilbert/Victor Alas
  - e. Awards Ben Patz
  - f. Florida Engineering Soc. Liaison Richard Harden
  - g. PACE John Gilbert
  - h. Student Activities Don Malocha
  - i. Education Fred Simons
  - j. Membership Development Woody Carter
6. Special Committees
  - a. By-Laws George McClure
  - b. Historian Russ Theisen
  - c. Centennial Deen Khandelwal
  - d. SOUTHCON '86 Bruce Mathews
  - e. Member-at-Large Joe Massett
7. Chapter Reports
  - a. Aerospace and Electronic Systems Society Dave Flinchbaugh
  - b. Communications Society Madjid Belkerdid
  - c. Computer Society Steve Forsythe
  - d. Electron Devices Society Ralph M. Mindock
  - e. Antennas and Propagation/Microwave Theory and Techniques Society Fred Wilcox
  - f. Power Engineering/Industry Applications Society Michael Haddad
  - g. Student Branch IEEE Steven D. McKenna
  - h. Student Chapter, Computer Society Ron Krauskopf
8. Unfinished Business
  - a. Awards (Plaques) for Outgoing Officers
9. New Business
  - a. Section Support of "Central FL Council for High Tech" Mickey Mindock
  - b. Chairman's Notes Frank Fluet
10. Time/Place of Next Meeting
11. Adjourn

Chairman's Notes

11/4/84

1. We welcome Victor Alas, our new member of the Publication Committee. Victor will co-chair the committee with John Gilbert. Victor works at United Telephone Company. Mailing address and phone is:

Victor M. Alas, Jr.  
377 Springdale Dr.  
Altamonte Springs, FL 32701  
830-3326/788-6768 B/H

If anyone has leads to potential advertisers, contact John or Victor.

2. Publication costs of the Centennial Issue of the Section Notes ran over budget. We had budgeted \$1400 for 1100 copies; however, actual expenses were approximately \$2060 for 1300 copies.
3. Dr. Hanns Wolff has donated a number of artifacts from early radio, radar and electronics history. We would like suggestions for the best way to display them. Dr. John Ryder, at the meeting of Life Fellows, suggested IEEE headquarters, or the Smithsonian. Is there any Educational, Public Service or Industry display case that could make use of this resource? Please direct suggestions to Deen Khandelwal or me.
4. At the October 20th meeting of Life Fellows in celebration of the IEEE Centennial, 18 cups ("I AM AN ORLANDO SECTION MEMBER") were awarded as door prizes and were very well received and appreciated by the Life Fellows and their spouses.
5. George Taack will be representing our section at the Region 3 PACE Conference, Saturday, November 17, in Charleston, SC.
6. Deen Khandelwal would like to locate all the special Centennial Historical posters. Some of them were loaned to various individuals. If you have any, please notify Deen.

	HM	LP	F	LS	SM	PS	LM	M	PH	LA	A
ACTIVE MEMBERSHIP 09/30/84	0	6	5	33	99	0	29	556	11	1	40
ADDITIONS ELECTIONS	0	0	0	0	0	0	0	2	0	0	0
ARREARS PAID	0	0	0	0	0	0	0	1	0	0	0
REINSTATEMENTS	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	0	1	0	0	0
MOVED INTO SECTION	0	0	0	1	0	0	0	8	0	0	0
CORRECTIONS TO	0	0	0	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	1	0	0	0	12	0	0	0
DELETIONS RESIGNED	0	0	0	0	0	0	0	0	0	0	0
DECEASED	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	0	0	0	1	0	0
MOVED OUT OF SECTION	0	0	0	0	0	0	0	5	0	0	0
CORRECTIONS FROM	0	0	0	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	0	0	5	1	0	0
ACTIVE PRIOR YEAR 10/31/83 *	0	9	3	33	93	0	20	531	4	2	41
ACTIVE THIS MONTH 10/31/84	0	6	5	34	99	0	29	563	10	1	40
LOSS/GAIN *	0	3-	2	1	6	0	9	32	6	1-	1-
LOSS/GAIN PERCENTAGE *	.00	33.33-	66.66	3.03	6.45	.00	45.00	6.02	150.00	50.00	2.43-
ARREARS PRIOR YEAR 10/31/83 *	0	0	0	0	2	0	0	38	0	0	3
ARREARS THIS MONTH 10/31/84	0	0	0	0	3	0	0	31	0	0	11
RESIGNED PRIOR YEAR 10/31/83 *	0	0	0	0	0	0	0	0	0	0	0
RESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	1	0	0	1

	3RD YR GRAD		2ND YR GRAD		R GRAD 1ST YR		STUDENT	GRAND TOTAL
ACTIVE MEMBERSHIP 09/30/84	A	M	A	M	A	M		
	0	0	0	16	1	104	78	979
ADDITIONS ELECTIONS	0	0	0	0	0	0	13	15
ARREARS PAID	0	0	0	0	0	0	1	2
REINSTATEMENTS	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	1	2
MOVED INTO SECTION	0	0	0	0	0	5	0	14
CORRECTIONS TO	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	0	0	5	15	33
DELETIONS RESIGNED	0	0	0	0	0	0	0	0
DECEASED	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	1	0	2
MOVED OUT OF SECTION	0	0	0	0	0	2	1	8
CORRECTIONS FROM	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	3	1	10
ACTIVE PRIOR YEAR 10/31/83 *	0	0	0	26	3	94	51	910
ACTIVE THIS MONTH 10/31/84	0	0	0	16	1	106	92	1002
LOSS/GAIN *	0	0	0	10-	2-	12	41	92
LOSS/GAIN PERCENTAGE *	.00	.00	.00	38.46-	66.66-	12.76	80.39	10.10
ARREARS PRIOR YEAR 10/31/83 *	0	0	1	9	0	12	6	71
ARREARS THIS MONTH 10/31/84	0	0	0	8	4	25	6	88
RESIGNED PRIOR YEAR 10/31/83 *	0	0	0	0	0	0	0	0
RESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	2

DATE: Oct 2, 1984

## ATTENDEES

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING

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

[illegible]

FEEF  
EXEC. COMM.  
MEETING

Oct 2  
6:25pm  
Quorum.

Education: If not enough attendants by tomorrow, short courses will be cancelled.

FES Liaison: Will meet tomorrow.

Send 3 copies to Russ Tilsen

Programs: Convocation - low attendance  
Nov. 1 meeting @ this point.

Comm. Sec Meeting Members \$15.00  
@ Marriott Students \$8.00

Reservations necessary: Fish only if you  
can't eat meat.

Meal @ 7:30 \$100 deposit for room.

Feb. Langford Hotel; Feb. 22  
June: Harley

Minutes approved:

Treasurer's report approved.

Public Relations: Muscha Swartz

Convocation - Will try.

Eng. Week in Feb. hopefully  
will be publicized.

Publications: 24-32 pages

Printed by Fri or Mon. at the latest

May want to add "Time Value Mail" on Section Notes

Advertising: Jeff Dick

Advertising report submitted.

1 page printed insert = 1/2 page charge

Basic subscription rate: printing + mailing

Section notes: \$60/issue for 12 page

to	from	page
\$45	30	1/4
\$55	40	1/3
\$65	50	1/2
\$75	57	2/3
\$85	65	3/4
\$100	75	1

} for 1 or 2 insertions

} \$5.00 discount

per insertion for

3 or more

New rates in Oct issue. Motion to accept new rates passed unanimously.

Awards: Plaques \$15 + \$5. 5x7"

Table plaques for later.

Get hard numbers

Pace: J. Debert

No new activities

1 day meeting of Region 3 Nov. 17

10:00 AM - 4:00 PM. Charlotte, N.C.

Some travel funds available

Pace-Chairman Workshop

Stud. Activ.

SPAC: Comp. Society

FES \$300.00/school Nov. 14

Talk to Dr. Huh

Membership Rev.

Report submitted

By-Laws: Current not yet finalized

Historian:

Looking for 250,000 member

Call Russ Tiesen about  
T-shirts & caps.

Comp. Society emblem

\$70.00 for stud. prof. managers

Centennial: No ~~new~~ new

Dave F. participated at:  
AES: Germany, Inter Co operation on  
"Space Exploration"  
"Plasma Focus Seminar" 1979  
Representing AES

Comm Soc:

Comp Soc: Wed. Org. meeting  
George Medina - V. Chairman  
Program planning 1992

EO No report

Test/Instr. & Meas. Group

Abstract by two teams

Abstracts for two teams

Abstracts for two teams

Abstracts for two teams

Abstracts for two teams

Carl F. Schunemann  
2111 Geronimo Trail  
Maitland, Fl. 32751

Section Treasurer  
Bus: 356-7207  
Hm: 647-4992

Fred O. Simons, Jr.  
1688 Cypress Point Lane  
Winter Park, Fl. 32792

Education  
Bus: 275-2405  
Hm: 678-1796

George B. Taack, Jr.  
4 Robinwood Drive  
Longwood, Fl. 32779-9743

Section V-Chairman & Programs

Bus: ~~339-1600~~  
Hm: 321-0319

*244-1005 inform.  
244-1389 G. Taack*

Russell E. Theisen  
2667 Fitzhugh Road  
Winter Park, Fl. 32792

Historian

Bus: 356-~~2346~~  
Hm: 671-4320

*4320*

Fred P. Wilcox  
Martin Marietta Corp.  
3218 Cullen Lake Shore Dr.  
Orlando, Fl. 32812

AP/MTT Chairman

Bus: 356-2328  
Hm: 857-0098

Richard L. Zanowick  
511 Temple Tr.  
Maitland, Fl. 32751

ED V-Chairman

Bus: 356-2914  
Hm: 645-0831

Conrad Blankenzee  
8998 Critchton Woods  
Orlando, Fl. 32819

V-Chairman Program Comm.

Bus: 351-9485  
Hm: 826-3577

Alex Marton  
2705 Faulkner Rd.  
Orlando, Fl. 32810

Publications

Bus: 629-5591  
Hm:

Woody Carter  
2455 Fieldingwood Rd.  
Maitland, Fl. 32751

Membership Development

Bus: ~~845-7030~~ → *843-7030*  
Hm: ~~836-4591~~ → *831-4591*

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
October 2, 1984

AGENDA

1. Introductions
2. Approval of previous minutes. Don Malocha
3. Treasurer's Report Carl Schunemann ✓
4. Chapters Chairmen Representative Geof Dick ✓
5. Standing Committee Reports
  - a. Programs George Taack/Conrad Blankenzee
  - b. Public Relations George McClure
  - c. Publications Al Fowler/Ed Ellis/Alex Marton ✓
  - d. Advertising Bill Kownacki ✓
  - e. Awards Ben Patz ✓
  - f. Florida Engineering Soc. Liaison Richard Harden ✓
  - g. PACE John Gilbert ✓
  - h. Student Activities Don Malocha ✓
  - i. Education Fred Simons ✓
  - j. Membership Development Woody Carter ✓
6. Special Committees
  - a. By-Laws George McClure ✓
  - b. Historian Russ Theisen ✓
  - c. Centennial Deen Khandelwal ✓
  - d. SOUTHCON Bruce Mathews ✓ *No report.*
7. Chapter Reports
  - a. Aerospace and Electronic Systems Society Dave Flinchbaugh ✓
  - b. Communications Society Madjid Belkerdid ✓
  - c. Computer Society Steve Forsythe ✓
  - d. Electron Devices Society Ralph M. Mindock ✓ *No report*
  - e. Antennas and Propagation/Microwave Theory and Techniques Society Fred Wilcox *See attachment.*
  - f. Power Engineering/Industry Applications Society Michael Haddad *No report*
  - g. Student Branch IEEE Steven D. McKenna ✓
  - h. Student Chapter, Computer Society Ron Krauskopf ✓
8. Unfinished Business ✓
  - a. Budgets Review/approval
9. New Business
10. Time/Place of Next Meeting
11. Adjourn

### Chairman's Notes

1. Welcome to the following new officers:

Conrad Blankenzee, Program Comm. Vice Chairman  
Woody Carter, Membership Development Comm. Chairman  
Richard Harden, Florida Engineering Society Liaison Chairman  
Alex Marton, Publication Committee Chairman  
Ben Patz, Awards Comm. Chairman

and also welcome back to Geof Dick who has been re-elected as Chapter Chairmen's Representative on the Executive Board.

2. Don Malocha has compiled a revised address list. A copy is attached for your convenience. Please review for corrections and additions.
3. The 1983 (calendar year) financial report for our section was mailed September 9, 1984 to IEEE Headquarters. We have received notification that it arrived and our Section rebate from H.Q. will be issued.
4. Attached is a list of conferences in the Orlando area (from Fall 1984 Technical Activities Guide).

FAF  
10/1/84



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

September 28, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR AUGUST AND SEPTEMBER 1984

Letters of welcome were sent to the 'A' and 'E' categories below and a letter of concern was sent to the 'K' category below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated months:

<u>CODE</u>	<u>REASON</u>	<u>7-31-84</u>	<u>8-31-84</u>
A	New Election to Membership	6	5
B	Reinstatement to Membership	0	0
C	Arrears Paid	1	0
D	Address Change, Within Section	12	7
E	Moving Into Section	11	11
H	Transfer In Member Grade	14	4
I	Moving Out Of Section	7	8
K	Went Into Dues Arrears	0	5
M	Deceased	0	2
N	Change in Group or Society	0	2

W. C. Carter  
Membership Development Chairman

# Orlando IEEE Executive Committee Roster

(9/84)

Steve McKenna  
UCF-COE  
Orlando, Fl. 32816

Student Chapter President  
Bus: 275-2786

Mannie Connell  
5136 Nadine St.  
Orlando, Fl. 32807

Sr. Past Chairman  
Bus: 784-7000  
Hm: 273-8588

Geoff Dick  
1014 Carvell Dr.  
Winter Park Fl. 32792

Chapters Chairman  
Bus: 356-2796  
Hm: 678-0979

Ed Ellis  
902 Red Bird Lane  
Altamonte Springs, Fl. 32701

Jr. Past Chairman  
Bus: ~~339-1600~~  
Hm: 834-3319

*244-1000 info.  
244-1203 Ed.E.*

David Flinchbaugh  
4855 Big Oaks Lane  
Orlando, Fl. 32806

AESS Chapter Chairman  
Bus: 268-7252  
Hm: 859-4855

Frank Fluet  
Automation Intelligence Inc.  
1200 W. Colonial Dr.  
Orlando, Fl. 32804

Section Chairman  
Bus: 843-7030  
Hm: 339-8905

Stephen Forsythe  
1429 Stormway Ct.  
Apopka, Fl. 32703

Comp. Chapter Chairman  
Bus: 849-3000  
Home: 886-2231

John D. Gilbert  
2205 Miscindy Place  
Orlando, Fl. 32806

PACE Chairman  
Bus: 365-2363  
Hm: 859-5492

Avelino Gonzalez  
Westinghouse Electric Co.  
The Quadrangle  
Orlando, Fl. 32817

PE/IE Vice-Chair.  
Bus: 281-2982  
Hm: 365-6812

Michael Haddad  
Westinghouse Steam Generator Div.  
4402 Carolwood St.  
Orlando, Fl. 32806

PE/IE Chairman

Hm: 851-3719

Dr. Richard Harden  
5512 Chanault Ave.  
Orlando, Fl. 32809

FES Liason

Bus: 275-2786 855-0881

Home: 855-5775

Dr. Deen Khandelwal  
8610 Vesta Terrace  
Orlando, Fl. 32817

Cenntenial Chairman

Bus: 356-2583

Hm: 277-5959

Dr. Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779

Section Secretary & Student  
Act. Char. & ED Vice-Chair.

Bus: 275-2414

Hm: 862-5693

Dr. Bruce E. Mathews  
UCF-COE  
PO BOX 25000  
Orlando, Fl. 32816

Southcon

Bus: 275-2156

Hm: 645-0549

George F. McClure  
1730 Shiloh Lane  
Winter Park, Fl. 32789

Public Relations & By-Laws

Bus: 356-3782

Hm: 647-5092

Ralph M. Mindock  
262 E. Hornbeam Dr.  
Longwood, Fl. 32779

ED-Chairman

Bus: 862-8182

Hm: 862-7764

Mike Olyer  
6221 Donegal Dr.  
Orlando, Fl. 32811

Comm. Chapter Secretary

Bus: 849-3336

Hm: 876-3582

Dr. Ben Patz  
695 Gatlin Ave.  
Orlando, Fl. 32806

Awards

Bus: 275-2816

Hm: 855-3685

Carl F. Schunemann  
2111 Geronimo Trail  
Maitland, Fl. 32751

Section Treasurer  
Bus: 356-7207  
Hm: 647-4992

Fred O. Simons, Jr.  
1688 Cypress Point Lane  
Winter Park, Fl. 32792

Education  
Bus: 275-2405  
Hm: 678-1796

George B. Taack, Jr.  
4 Robinwood Drive  
Longwood, Fl. 32779-9743

Section V-Chairman & Programs

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244-1000 inform.  
244-1389 G. Taack

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Historian  
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ED V-Chairman  
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V-Chairman Program Comm.  
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Membership Development  
Bus: 845-7030  
Hm: 836-4591

Ron Krauskopf  
UCF- Comp. Sci Dept.  
Orlando, Fl. 32816

Student Comp. Chap.

Mike Harris  
UCF-COE  
PO BOX 25000  
Orlando, Fl. 32816

V-Chairman Comm. Chap.  
Bus: 275-2548  
Hm: 671-1849

MEETING NOTICE

ORLANDO SECTION IEEE  
MTT & AP SOCIETY

SPEAKER

PROF. BEN MUNK  
THE OHIO STATE UNIVERSITY  
DISTINGUISHED AP-S LECTURER

ABSTRACT: ALTHOUGH VARIOUS FORMS OF PHASED ARRAYS HAVE BEEN BUILT, A NUMBER OF FUNDAMENTAL CONCEPTS REMAIN TO BE UNDERSTOOD AND DEVELOPED. AMONG THESE IS THE IMPEDANCE WHICH VARIES GREATLY WITH SCAN ANGLE IN WHAT WAS BELIEVED TO BE "NATURE'S WAY." IN FACT, "PROOFS" TO THIS EFFECT HAVE BEEN READILY PRESENTED IN THE GENERAL LITERATURE. IT WILL BE SHOWN, HOWEVER, THAT IT IS POSSIBLE AND EVEN PRACTICAL TO PLACE A SCAN COMPENSATING DEVICE BETWEEN THE ELEMENTS AND FREE SPACE SUCH THAT A REDUCTION OF THE IMPEDANCE VARIATION IS OBTAINED. IT WILL ALSO BE SHOWN THAT BY PROPER DESIGN A VSWR LESS THAN 1.6 FOR SCAN ANGLES VARYING  $\pm 80^\circ$  IN ANY PLANE IS POSSIBLE. (WITHOUT SCAN COMPENSATION A VSWR OF APPROXIMATELY 5 WOULD RESULT.) FINALLY, SOME INTERESTING RESULTS FROM A RECENT INVESTIGATION CONCERNING THE FINITENESS OF PHASED ARRAYS WILL BE GIVEN.

BENEDIKT A MUNK (M'61) WAS BORN IN FREDERICIA, DENMARK, ON DECEMBER 3, 1929. HE RECEIVED THE M.SC.E.E. DEGREE FROM THE POLYTECHNICAL INSTITUTE OF DENMARK, COPENHAGEN, DENMARK, IN 1954, AND THE PH.D DEGREE IN ELECTRICAL ENGINEERING FROM OHIO STATE UNIVERSITY, COLUMBUS, 1968. DR. MUNK IS A MEMBER OF SIGMA XI. HE ALSO HOLDS SEVERAL PATENTS IN THE AREA OF METALLIC RADOMES, PHASED ARRAYS AND ANTENNAS.

TOPIC

SCAN INDEPENDENT PHASED ARRAYS

PLACE AND TIME: HEWLETT PACKARD COMPANY, LAKE ELLENOR DRIVE, OCTOBER 18, 1984 - 5:30 PM

DINNER AT GARY'S DUCK INN AFTER THE TALK

FAF 8/26/84

BUDGET  
IEEE Orlando Section (7/1/84-6/30/85)

I. <u>EXPENSES</u>	8-7-84 PRELIM(\$)	8-28-84 REVISED(\$)
1. Publications (Section Notes) . . . . .	\$7,045	\$6,945
2. Secretary . . . . .	100	100
3. Chapters:		
Chapter's Chairmen's Representatives . . . . .	75	75
AES . . . . .	250	150
COMM . . . . .	750	750
COMP . . . . .	300	150
ED . . . . .	200	200
AP/MTT . . . . .	200	200
PE/IA . . . . .	200	200
4. Public Relations Comm. . . . .	200	200
5. Awards Comm. . . . .	250	250
6. PACE Comm. . . . .	200	100
7. a. Student Activities Comm. . . . .	400	230
b. Student Project 'Seed' Funding . . . . .		170
8. Education Committee . . . . .	0	0
9. Membership Development Comm. . . . .	100	100
10. Centennial Comm. . . . .	1,300	850
11. Program Committee . . . . .	2,750	2,750
12. Historian . . . . .	100	100
13. Miscellaneous . . . . .	500	500
TOTAL . . .	\$14,970	\$14,020

II. <u>INCOME</u>	PRELIM(\$)	REVISED(\$)
1. IEEE Rebate from H.Q. . . . .	3,136	3,136
2. Advertising in Section Notes . . . . .	1,800	1,800
3. Interest on Deposits . . . . . (Est. avg. deposit \$6,000 @ 8% avg. interest)	480	480
4. Conferences (est.) . . . . .	_____	_____
5. Pace Rebate (@25% of Printing) . . . . .	_____	1,465
6. AES (\$250) Rebate to Chapter . . . . .	_____	250
TOTAL . . .	\$5,416	\$7,131

III. EXCESS (DEFICIT) OF INCOME OVER EXPENSES . . . . .	(9,554)	(6,889)
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BUDGET

ATTACHMENTS

<u>I. REBATE ESTIMATE (INCOME)</u>		<u>\$</u>
a. Section Base Amount . . . . .		200
b. Member Rebate:		
3 \$/members up to 200 members . . . . .		600
1.50 \$/members over 200 (est. 900 total members) . . . . .		1,050
c. Chapter Member Rebate . . . . .		336
(@0.7 \$/Chapter member, 480 members as of 10-21-83)		
d. New Member (@ \$6.00 each) . . . . .		150
(est. 25)		
e. Tech. Conference (@ \$100 each) . . . . .		---
f. Section, Chapter Tech or Prof. Meeting . .		800
g. Educational Activities Incentives . . . . .		---
TOTAL . . . . .		<u>3,136</u>

## II. SECTION NOTES (EXPENSE)

(Based on 1100 copies)  
(modified from Al Fowler's budget estimates 8/16/84)

	<u>\$</u>	<u>8/28/84 REVISED \$</u>
a. Printing:		
12-page issues (8@ 420) . . . . .	3,360	3,360
16-page issues (2@ 550) . . . . .	1,100	1,100
1-special Centennial Issue (est.) . . .	1,400	1,400
b. Labels and Mailing . . . . .	385	385
(1100@ 32 \$/1000 = 35)X11		
c. Postage (1100@ \$0.055 = 60)X11 . . . . .	660	660
a d. Permit . . . . .	40	40
e. Miscellaneous . . . . .	100	---
	<hr/>	<hr/>
TOTAL . . . . .	7,045	6,945

## ADVERTISING (INCOME)

(Al Fowler's Estimate 8/16/84) . . . . .	1,800	1,800
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## PACE NEWS PUBLISHING SUPPORT (INCOME)

(PACE Hq. will pay 1/4 of Printing Costs if Full Page Coverage Provided for PACE News) (5860 x .25) . . . . .		1,465
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### III. CENTENNIAL COMM. (EXPENSE)

(Remaining expenses of Centennial Activities approved 3/6/84)

	<u>\$</u>	<u>8/28/84 REVISED \$</u>
a. Essay Competition . . . . .	1,000	550
4 IEEE Centennial Mementos + Certificates		
b. Duplicate Slides of IEEE History . . . . .	50	---
c. Educational Material . . . . .	---	50
d. Miscellaneous . . . . .	250	250
e. Special Issue of Section Notes . . . . .	---	---
(See "Publications" attachment \$1,000 had been approved)		
	<u>          </u>	
TOTAL . . . . .	1,300	850

IV. PROGRAM COMMITTEE (EXPENSE)

(from George Taack's budget estimates 8/7/84

	<u>\$</u>
a. Centennial Convocation Section Mtg (Oct '84)	50
b. Section Meeting November . . . . . (Joint W.Comm Tech Mtg)	400
c. Social Meeting (Spring/Fall) . . . . .	200
d. Engineer's Week Banquet (Feb. '85) . . . .	920
e. Section Meeting (Mar '85) . . . . .	300
f. Installation-of-Officers Banquet (June '85)	280
g. Student Subsidy) . . . . .	600
	<hr/>
TOTAL . . .	2,750

**IEEE Sponsored and Cosponsored Conferences  
by Regional/Sectional Geographic Areas**

**Orlando Section**

**Oct. 31-Nov. 2, 1984**  
Nuclear Science Symposium  
*NPS*  
Sheraton Twin Towers, Orlando, FL

**Oct. 31-Nov. 2, 1984**  
Symposium on Nuclear Power Systems  
*NPS*  
Sheraton Twin Towers, Orlando, FL

**Mar. 26-28, 1985**  
Int'l. Reliability Physics Symposium  
*R, ED*  
Sheraton Twin Towers, Orlando, FL

**Dec. 8-13, 1985**  
10th Annual Int'l. Conference  
on Infrared & Millimeter Waves  
*MTT*  
Lake Buena Vista, FL

**Mar. 11-13, 1986**  
SOUTHCON '86  
*Reg. 3, Orlando & Atlanta Sections*  
Orange County Convention Center,  
Orlando, FL

**May 7-9, 1986**  
World Conference on Continuing  
Engineering Education  
*ED*  
Dutch Inn Resort Hotel  
Lake Buena Vista, FL

ADVERTIZING	IN IEEE	SECTION	NOTES	RADAR						
MONTH	TOTAL	AD	% ADS	HEWLETT TEKTRONIX JIN	PACKARD	CRAFT	ROBOTICS SOUTHCON TECH. BY MICROWAVE SOUTH-	TUTORIAL /84 MINI DR. ELI MARKETING EASTCON	UCF & USF MICRO BROCKNER INC.	'84
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
SEPTEMBER 1983	8	1.33	16.625	1		.33				
OCTOBER	16	1	6.25	1						
NOVEMBER	12	1	8.333333							
DECEMBER	16	2.33	14.5625	1		.33	1			
JANUARY 1985	16	6.16	38.5	1		.33	1	3	.5	.33
FEBRUARY	8	1	12.5	1						
MARCH	16	2.5	15.625	1						.5
APRIL	12	3.66	30.5	1						
MAY	12	2.83	23.58333	1	1					
JUNE	12	4.74	39.5	1						
AUGUST	16	5.99	37.4375	1						
SEPTEMBER	12	1.99	16.58333	1						
INSERTIONS				11	1	3	2	1	1	1
RATE BEFORE JUNE 84				60	65	35	65	65	40	40
RATE AFTER MAY 84				70						
TOTAL AMT		\$ 2050		690	65	105	130	65	40	40



# Orlando IEEE Executive Committee Roster

(9/84)

Steve McKenna  
UCF-COE  
Orlando, Fl. 32816

Student Chapter President  
Bus: 275-2786

Mannie Connell  
5136 Nadine St.  
Orlando, Fl. 32807

Sr. Past Chairman  
Bus: ~~784-7000~~  
Hm: 273-8588

*Is this his  
old number  
or new  
?*

Geoff Dick  
1014 Carvell Dr.  
Winter Park Fl. 32792

Chapters Chairman  
Bus: 356-2796  
Hm: 678-0979

Ed Ellis  
902 Red Bird Lane  
Altamonte Springs, Fl. 32701

Jr. Past Chairman  
Bus: ~~339-1600~~  
Hm: 834-3319

*849-3000  
244-1203 info.  
244-1203 Ed.E.*

David Flinchbaugh  
4855 Big Oaks Lane  
Orlando, Fl. 32806

AESS Chapter Chairman  
Bus: 268-7252  
Hm: 859-4855

Frank Fluet  
Automation Intelligence Inc.  
1200 W. Colonial Dr.  
Orlando, Fl. 32804

Section Chairman  
Bus: 843-7030  
Hm: 339-8905

Stephen Forsythe  
1429 Stormway Ct.  
Apopka, Fl. 32703

Comp. Chapter Chairman  
Bus: ~~849-3000~~  
Home: 886-2231

*244-1166  
849-3000 (info)*

John D. Gilbert  
2205 Miscindy Place  
Orlando, Fl. 32806

PACE Chairman  
Bus: 365-2363  
Hm: 859-5492

Avelino Gonzalez  
Westinghouse Electric Co.  
The Quadrangle  
Orlando, Fl. 32817

PE/IE Vice-Chair.  
Bus: 281-2982  
Hm: 365-6812

Michael Haddad  
Westinghouse Steam Generator Div.  
4402 Carolwood St.  
Orlando, Fl. 32806

PE/IE Chairman  
Bus: *281-2393*  
Hm: 851-3719

Dr. Richard Harden  
5512 Chanault Ave.  
Orlando, Fl. 32809

FES Liason  
Bus: *275-2786*  
Hm: *855-5775*

*I have  
855-0881  
listed.*

Dr. Deen Khandelwal  
8610 Vesta Terrace  
Orlando, Fl. 32817

Cenntenial Chairman  
Bus: 356-2583  
Hm: 277-5959

Dr. Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779

Section Secretary & Student  
Act. Char. & ED Vice-Chair.  
Bus: 275-2414  
Hm: 862-5693

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UCF-COE  
PO BOX 25000  
Orlando, Fl. 32816

Southcon  
Bus: 275-2156  
Hm: 645-0549

George F. McClure  
1730 Shiloh Lane  
Winter Park, Fl. 32789

Public Relations & By-Laws  
Bus: 356-3782  
Hm: 647-5092

Ralph M. Mindock  
262 E. Hornbeam Dr.  
Longwood, Fl. 32779

ED-Chairman  
Bus: 862-8182  
Hm: 862-7764

*Oleyar*  
Mike ~~Oleyer~~  
6221 Donegal Dr.  
Orlando, Fl. 32811

Comm. Chapter Secretary  
Bus: 849-3336  
Hm: 876-3582

Dr. Ben Patz  
695 Gatlin Ave.  
Orlando, Fl. 32806

Awards  
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Hm: 855-3685

Carl F. Schunemann  
2111 Geronimo Trail  
Maitland, Fl. 32751

Section Treasurer  
Bus: 356-7207  
Hm: 647-4992

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1688 Cypress Point Lane  
Winter Park, Fl. 32792

Education  
Bus: 275-2405  
Hm: 678-1796

George B. Taack, Jr.  
4 Robinwood Drive  
Longwood, Fl. 32779-9743

Section V-Chairman & Programs  
Bus: ~~339-1600~~  
Hm: 321-0319

849-3000

~~244-1389~~ inform.  
244-1389 G. Taack

Russell E. Theisen  
2667 Fitzhugh Road  
Winter Park, Fl. 32792

Historian  
Bus: 356-~~2346~~  
Hm: 671-4320

4320

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Martin Marietta Corp.  
3218 Cullen Lake Shore Dr.  
Orlando, Fl. 32812

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Hm: 857-0098

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Maitland, Fl. 32751

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Hm: 645-0831

Conrad Blankenzee  
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V-Chairman Program Comm.  
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Hm: 826-3577

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Orlando, Fl. 32810

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Hm: 293-4642

Woody Carter  
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Maitland, Fl. 32751

Membership Development  
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Hm: 836-4591

Ron Krauskopf  
UCF- Comp. Sci Dept.  
Orlando, Fl. 32816

Student Comp. Chap.

Mike Harris  
UCF-COE  
PO BOX 25000  
Orlando, Fl. 32816

V-Chairman Comm. Chap.  
Bus: 275-2548  
Hm: 671-1849

*9 had 275-2787*

1984 IEEE ADMINISTRATIVE MEETINGS CALENDAROCTOBER 1984 UPDATE

The following calendar is a chronological compilation of information received at IEEE Headquarters on forthcoming meetings. Any meetings information you would like to appear in the Administrative Meetings Calendar should be sent to Technical Activities Department, IEEE, 345 East 47th Street, New York, NY 10017 or may be telephoned in to (212) 705-7650.

NOTE: An asterisk next to a date indicates a new or revised listing.

<u>DATE</u>	<u>MEETING</u>	<u>LOCATION</u>	<u>CONTACT</u>
October 2 (5:00 PM-6:30 PM)	Education Society AdCom	Philadelphia Hilton Philadelphia, PA	Nihat Bilgutay (215) 895-2257
* October 3 (4:30 PM)	Industry Applications Society	Palmer House Chicago, IL	Chris D. Lambert (203) 335-7191
October 4 (6:00 PM)	Power Electronics Council AdCom	Palmer House Chicago, IL	Trey Burns (617) 366-8911 ext. 6182
* October 4 (6:00 PM)	Consumer Electronics Society AdCom	Chez Paul Rolling Meadows, IL	Robert Podowski (312) 949-2085
October 8 (2:00 PM-6:00 PM)	Components, Hybrids, & Manufacturing Technology Society AdCom	Mission Valley Motel Raleigh, NC	Paul Wesling (408) 746-8139
* October 10 (10:00 AM)	IEEE Professional Communication Society AdCom	Harrah's Trump Plaza Atlantic City, NJ	Deborah Flaherty (212) 669-2623
* October 11 (9:30 AM-4:00 PM)	IEEE Communications Society OpCom	IEEE Headquarters West Board Room New York, NY	Ivan T. Frisch (516) 829-5900
October 12 (10:00 AM)	Acoustics, Speech & Signal Processing Society AdCom	IEEE Headquarters New York, NY	Michael P. Ekstrom (203) 431-5566
October 13	USAB OpCom	San Diego, CA	Rita Denny (202) 785-0017
October 14	EAB	O'Hare Hilton Chicago, IL	Fern Katronetsky (212) 705-7870
October 15	Electromagnetic Compatibility Society AdCom	Tokyo, Japan	Eugene D. Knowles (206) 575-5280
October 17 (10 AM)	TAB Periodicals Committee	IEEE Headquarters New York, NY	Barbara Ettinger (212) 705-7887
* October 18 (9:30 AM)	Energy Committee	Hyatt Regency Crystal City Arlington, VA	Bill Herrold (202) 785-0017
October 23	Vehicular Technology Society Board of Governors	Detroit, MI	Sam Leslie (804) 528-7115
* October 23	TAB Finance Committee	Newark Airport Newark, NJ	Mel Bonaviso (212) 705-7891
October 24 (5:30 PM)	Industrial Electronics Society AdCom	Keio Plaza Hotel Tokyo, Japan	H. Troy Nagle, Jr. (919) 549-3720
October 25	Electrical Insulation Society AdCom	Wilmington Hilton Clayton, DE	John Tanaka (203) 486-2442/4223
October 25-26	IEEE Investment Committee	American Canyon Hotel Palm Springs, CA	Mike Sosa (201) 981-0060 ext. 340

<u>DATE</u>	<u>MEETING</u>	<u>LOCATION</u>	<u>CONTACT</u>
November 1	Nuclear and Plasma Sciences Society AdCom	Orlando, FL	E. A. Corte (619) 292-6168
* November 1 (6:30 PM)	Quantum Electronics & Applications Society AdCom	Town & Country Hotel San Diego, CA	Sam Vaughn (212) 705-7405
November 7-8	IEEE Computer Society - Executive Committee	Americana Congress Hotel Chicago, IL	T. Michael Elliott (301) 589-8142
November 9	IEEE Computer Society - Governing Board	Americana Congress Hotel Chicago, IL	T. Michael Elliott (301) 589-8142
November 11-16	ATLAS Committee/Standards Board	San Diego, CA	Paul Lange (212) 705-7864
November 12 (6:00 PM)	Circuits and Systems Society AdCom	Marriott Hotel Santa Clara, CA	Ian Getreu (503) 629-1462
November 13	Sonics and Ultrasonics Group AdCom	Hilton Hotel Dallas, TX	R. S. Kagiwada (213) 535-5515
November 14	Power Engineering Society AdCom	Tampa, FL	Nancy Heitmann (212) 705-7893
November 15 (10:00 AM-4:30 PM)	IEEE Publications Board	IEEE Headquarters Board Rooms New York, NY	Eileen Wilson (212) 705-7549
November 16	Public Information Committee	IEEE Headquarters East Board Room New York, NY	Thomas C. White (212) 705-7867
* November 29	USAB	St. Francis San Francisco, CA	Rita Denny (202) 785-0017
November 29	IEEE Transnational Relations Committee	St. Francis San Francisco, CA	Barbara Ettinger (212) 705-7887
November 29	TAB Orientation & Management Seminar for Society/Council Officers	St. Francis San Francisco, CA	Barbara Ettinger (212) 705-7887
November 29	TAB OpCom	St. Francis San Francisco, CA	Julie Eve Stern (212) 705-7451
November 29	Communications Society - Board of Governors	Atlanta Hilton Atlanta, GA	Ivan T. Frisch (516) 829-5900
November 30	TAB OpCom	St. Francis San Francisco, CA	Julie Eve Stern (212) 705-7451
November 30	IEEE Centennial Keys to the Future	Red Lion Inn San Jose, CA	-
December 1	TAB	St. Francis San Francisco, CA	Julie Eve Stern (212) 705-7451
* December 1	IEEE Assembly	St. Francis San Francisco, CA	Betty Stillman (212) 705-7757
December 2	IEEE Executive Committee	St. Francis San Francisco, CA	Betty Stillman (212) 705-7757
December 3-4	IEEE Board of Directors	St. Francis San Francisco, CA	Betty Stillman (212) 705-7757
December 4 (8:00 AM-4:00 PM)	Industry Applications Society AdCom	Royal York Hotel Toronto, Ont., Canada	Chris D. Lambert (203) 335-7191

<u>DATE</u>	<u>MEETING</u>	<u>LOCATION</u>	<u>CONTACT</u>
December 5	Consumer Electronics Society AdCom	Chez Paul Rolling Meadows, IL	R. Ken Barr (317) 267-5272
December 7 (10:00 AM)	Professional Communication Society AdCom	IEEE Headquarters New York, NY	D. Rosich (516) 560-5720
December 7 (2:00 PM)	TAB Meetings Committee	Teleconference	Ted Gerlach (212) 705-7596
December 10 (9:30 AM)	IEEE Budget Development Committee	IEEE Headquarters New York, NY	Paula Woldan (201) 981-0060 ext. 369
December 11	Control Systems Society Board of Governors	Las Vegas Hilton Las Vegas, NV	Boyd Pearson (713) 527-8101 ext. 3566
December 11	Energy Committee	Washington, DC	Bill Herrold (202) 785-0017
December 11 (9:00 AM)	Robotics and Automation Council AdCom	Las Vegas, NV	William Gruver (804) 978-6141
December 12	Standards RevCom	IEEE Headquarters	Paul Lange (212) 705-7864
December 12	Standards NesCom	IEEE Standards 820 2nd Ave.-7th Floor	Fred Huber (212) 705-7670
December 13	Standards Board	IEEE Headquarters New York, NY	Beth Cumming (212) 705-7148
<u>1985</u>			
January 13	Antennas & Propagation Society AdCom	Hyatt Regency Capitol Hill Washington, DC	Dan Schaubert (413) 545-2530
February 7	Power Engineering Society AdCom	New York, NY	Nancy Heitmann (212) 705-7893
February 15	Industrial Electronics Society AdCom	Tampa, FL	H. Troy Nagle, Jr. (919) 549-3720
February 28-March 1	IEEE Investment Committee	Marriotts Marco Beach Resort Marco Island, FL	Mike Sosa (201) 981-0060 ext. 340
April 17	Power Engineering Society AdCom	Detroit, MI	Nancy Heitmann (212) 705-7893
June 20-21	IEEE Investment Committee	Castle Harbour Hotel Bermuda	Mike Sosa (201) 981-0060 ext. 340
July 18	Power Engineering Society AdCom	Vancouver, B.C. Canada	Nancy Heitmann (212) 705-7893
October 31- November 1	IEEE Investment Committee	The Lodge at Pebble Beach Pebble Beach, CA	Mike Sosa (201) 981-0060 ext. 340



VICE PRESIDENT, PUBLICATION ACTIVITIES  
Dr. Jose B. Cruz Jr.  
Telephone: (217) 333-0280  
TWX: (910) 245-2434

PLEASE REPLY TO:  
Coordinated Science Laboratory  
University of Illinois  
1101 W. Springfield Avenue  
Urbana, IL 61801 USA

September, 1984

Dear colleague:

Welcome as a test user of the FINDING YOUR WAY database. You will help us with the design of an innovative service for all IEEE members and, we hope, gain some information you'll find useful.

The number of members who signed up to participate in the experiment to electronically search this small, highly screened database of IEEE tutorial material has far outstripped all expectations. Over 27,000 have said they are equipped and ready to sign on. Rather than trim the experimental group back to budget size we have broken the experiment into two subexperiments - one with unlimited depth searching and the other with limited searching. This course was chosen because 1) it gives all the members who volunteered a chance to interact with the Institute on this first technical searching service, and 2) we wanted comments and reactions (which are part of the electronic response in the experiment) from as wide a group of members as possible.

The experiment starts September 1, 1984 and runs 24 hours a day for three months. To prevent bunching the signed-up members are divided into four 3-week groups.

YOUR MEMBER NUMBER HAS BEEN VALIDATED FOR ONE SEARCH SESSION  
BETWEEN OCTOBER 15 AND NOVEMBER 4.

Sign-on instructions are included in the FINDING YOUR WAY instruction packet. Members are urged, if possible, to sign on during non-business hours when the lines are less busy.

I look forward to hearing from you electronically.

Sincerely,

Jose B. Cruz, Jr.  
1984 IEEE Vice President  
Publication Activities

Encl.: Instruction packet for FINDING YOUR WAY

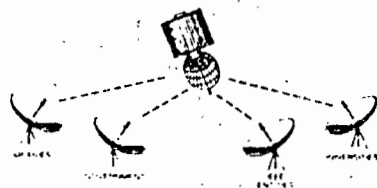
## Continuing Education for Engineers to the Third Millennium

As the beginning of the first years of the Third Millennium of modern history nears, the need of engineers to keep abreast of rapidly changing technology has accelerated. Recognizing this need and the desire of engineers to see the new, innovative approaches coming, the Institute of Electrical and Electronics Engineers, Inc. has created a series of Live Videoconferences via Satellite to enable a large number of participants to attend. The live conferences include a two-way audio process to seek out answers to questions.

## "VLSI - Its Impact on Your Career"

One hundred years ago when electrical energy was fueling the Industrial revolution that multiplied a person's physical ability, the American Institute of Electrical Engineers (AIEE) was formed to serve its members' needs. Practicing electrical engineers knew they had to form a professional organization to set standards, share and evaluate technical information, develop educational programs, and communicate experiences.

It is most appropriate that the educational emphasis on the centennial anniversary of the AIEE/IEEE be focused on Very Large Scale Integration (VLSI). This technology is fueling the new Industrial revolution which is multiplying the intellectual capacity of people (and their physical ability).



A One-Day  
Live Videoconference  
Via Satellite Network

October 8, 1984

11:00 A.M.—4:00 P.M. Eastern Time\*

\*Daylight Savings



THE INSTITUTE OF ELECTRICAL  
AND ELECTRONICS ENGINEERS, INC.

## IEEE-FRANKLIN INSTITUTE CENTENNIAL TECHNICAL CONVOCATION

"VLSI - Its Impact on Your Career" will be broadcast on Monday, October 8, 1984, at 8:30 to 10:30 P.M. EDT that evening. "The Second Century Begins," a two-hour session from the IEEE-Franklin Institute Centennial Technical Convocation will be broadcast live, via satellite.

## COURSE OUTLINE

### INTRODUCTION

#### VLSI

- Description (What is it?)
- How is it created
- What can be created
- What are the engineering markets
- What is a work station

### THE IMPACT OF VLSI ON ENGINEERING JOBS IN INDUSTRY

- Product planning
- Research and development
- Engineering design for reliability
- Quality control and reliability
- Manufacturing
- Testing

### VLSI - THE REPERCUSSIONS TO EDUCATION Specific Applications of VLSI

### VLSI - LONG TERM PROSPECTS

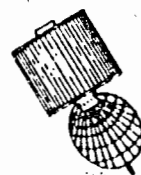
### OUTCOMES OF VLSI ON INDUSTRY - Roundtable Discussion

### HOW CAN PRACTITIONERS PREPARE FOR THE VLSI DOMINATED ENVIRONMENT?

- What will the IEEE provide
- What will be the future
- What will be available from corporations
- University Role
- How will VLSI change your professional career

## UNIVERSITY OF CENTRAL FLORIDA COLLEGE OF EXTENDED STUDIES AND THE ORLANDO SECTION IEEE ANNOUNCE A VIDEOCONFERENCE ON

## "VLSI - Its Impact on Your Career"



A One-Day  
Live Videoconference  
Via Satellite Network

October 8, 1984

11:00 A.M.—4:00 P.M. Eastern Time\*

\*Daylight Savings

EDUCATIONAL ACTIVITIES BOARD



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS INC



UCF Board Room Administration Building

### TECHNICAL CONSULTANT



ROY H.  
MATTSON

Roy H. Mattson received his B.S. and M.S. from the University of Minnesota and his Ph.D. from Iowa State University. He was a member of the technical staff of the Bell Telephone Laboratories from 1952-56. Since that time he has been in the academic world, joining the University of Arizona in 1966 where he is now Professor of the Electrical and Computer Engineering Department. Dr. Mattson, an IEEE Fellow, has been active in IEEE educational matters, serving as Editor of the IEEE Transactions on Education, General Chairman of the 1971 Frontiers in Education Conference and a member of the IEEE Educational Activities Board. He developed the IEEE Validation of Education Achievement Program. His research has been in solid state electronics.

### PRESENTERS



KENNETH A.  
PICKAR

Dr. Kenneth A. Pickar received his B.S. in physics from City University of New York in 1961 and his M.S. and Ph.D. in physics from the University of Pennsylvania in 1963 and 1966. Upon graduation, he joined the technical staff of Bell Laboratories. In 1972, he took a leave of absence to serve at the Israel Institute of Technology. In 1974, he joined Bell Northern Research Ltd., in Ottawa, heading a group exploring silicon processing and input-output technologies. In 1979, he joined the Signetics Corporation as Director of its Advanced Technology Center and joined the Thomas Consulting Group in 1982 as a Senior Partner. He joined General Electric Co. in 1983 in his present position.



MICHAEL J.  
WOZNY

Dr. Michael J. Wozny joined Rensselaer Polytechnic Institute in 1977 to establish the Center for Interactive Computer Graphics. Previous appointments included Purdue University, Oakland University (Michigan), GM Research Labs, NASA Electronics Research Center (Cambridge, MA) and NSF. He is an active consultant to industry, government, and universities and a director of two companies. He has served on a number of advisory boards (OTA, CAD/CAM ALERT, Who's Who in Computer Graphics), was chairman of an NAS panel which prepared a briefing document "Research Opportunities for Design and Manufacturing", and is a former director of NCGA. He is currently Editor-in-Chief of IEEE Computer Graphics and Applications.

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COLLEGE OF EXTENDED STUDIES  
Orlando, Florida 32816-0177

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## REGISTRATION FORM

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### Registration Form: IEEE Video Conferences

☐ Project Management September 11, 1984

☐ VLSI October 8, 1984

☐ Robot Dynamics and Control February 1985

Name: \_\_\_\_\_ S.S.No. \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP \_\_\_\_\_

Tel. No. Bus: \_\_\_\_\_ Home: \_\_\_\_\_

IEEE Membership No. \_\_\_\_\_

#### FEES: MARK APPROPRIATE BOX

( ) \$10 IEEE Student Member ( ) \$60 IEEE Member

( ) \$25 Non-Member Student ( ) \$90 Non Member or Walk-ins

No refunds for cancellation after 7 days before conference

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Mail to: College of Extended Studies  
University of Central Florida  
Orlando, Florida 32816-0177  
Tel. No.: 305-275-2123

### PROGRAM 7 LIVE VIDEOCONFERENCE VIA SATELLITE OCTOBER 8, 1984 "VLSI - Its Impact on Your Career"

#### FOR WHOM INTENDED

The program is designed for practicing engineers, but will be of interest to a broad range of people who are interested in the impact of high technology on our society.

What VLSI will mean to all of us.

#### COURSE DESCRIPTION

The objective of the videoconference is to describe the technology of VLSI, its impact on how practicing engineers perform their jobs, and aid practitioners in preparing for the future.

#### IEEE-FRANKLIN INSTITUTE CENTENNIAL TECHNICAL CONVOCATION

"VLSI - Its Impact on Your Career" will be broadcast on Monday, October 8, 1984. At 8:30 to 10:30 P.M. EDT that evening, "The Second Century Begins", a two-hour session from the IEEE-Franklin Institute Centennial Technical Convocation will be broadcast live, via satellite.

You are invited to tune in.

IEEE entities are encouraged to sponsor both events and tie them together with their own Centennial Dinner Meeting.

#### ABOUT THE COURSE

This high-quality, peer-reviewed course is being produced by the Educational Activities Board (EAB) of the Institute of Electrical and Electronics Engineers, Inc. (IEEE). As with all IEEE-EAB live videoconferences, all participants will be supplied with supporting resource materials, bibliographies, etc. Local sponsors include universities, corporations, government agencies and IEEE Sections, Chapters and Societies. For more information on this and future videoconferences, contact the registration site in your location or call: IEEE Continuing Education Department, 445 Hoes Lane, Piscataway, NJ 08854 Telephone No. (201) 981-0060 Extensions 327, 328, 329.

# MEETINGS

## September

**Date:** September 25

**Conference:** The Invitational Computer Conferences

**Description:** These regional displays of operating equipment and technical seminars by OEM manufacturers, which are aimed at volume buyers, OEMs, system houses and volume end-users, are designed to reach a large number of decision makers.

**Location:** Southfield-Sheraton Hotel, Southfield/Troy, Mich. Also Cherry Hill N.J. Oct 10 and Longwood-Sheraton, Tampa Oct 24

**Contact:** Susan Fitzgerald, conference manager, The Invitational Computer Conference, 3151 Airway Avenue, #C-2, Costa Mesa, Calif. 92626. (714) 957-0171.

**Date:** September 26-28

**Conference:** AF-SM's ninth National Conference and Exhibition

**Description:** Changing service priorities is the theme of this year's conference. The conference will stress the buyer/seller relationship and the changing priorities of service in moving corporations to more effectively manage complex business systems and systems.

tematized basis.

**Location:** Hyatt Regency Hotel, Atlanta

**Contact:** Tom Ross, executive director, Association of Field Service Managers, 6237 Presidential Court, Suite B, Ft. Myers, Fla. 33907. (813) 482-6418.

**Date:** September 27-30

**Conference:** 5th Annual Mid-Atlantic Computer Show & Software Exposition

**Description:** This show will focus on computer and office equipment and hardware and software for business, industry, government,

education, home and personal use, including microcomputers and minicomputers, data and word processing equipment, computer graphics, peripherals, accessories, publications, support services and supplies.

**Location:** Convention Center, Washington, D.C.

**Contact:** CompuShows Inc., P.O. Box 3315, Annapolis, Md. 21403. (800)-368-2066

## October

**Date:** October 4-7

**Conference:** 3rd Annual Rocky

**Mountain Regional Computer Show & Software Exposition**

**Description:** This show will focus on computer and office equipment and hardware and software for business, industry, government, education, home and personal use, including microcomputers and minicomputers, data and word processing equipment, computer graphics, peripherals, accessories, publications, support services and supplies.

**Location:** Merchandise Mart, Denver

**Contact:** CompuShows Inc., P.O. Box 3315, Annapolis, Md. 21403. (800) 368-2066.

**Date:** October 8-11

**Conference:** Intech '84

**Description:** Designed for executives in Fortune 1000 companies and other corporations in varying stages of planning and implementing integrated information systems, this conference and exposition will feature state-of-the-art technologies with a demonstrated ability to integrate information management and handling functions.

**Location:** Dallas Convention Center, Dallas

**Contact:** National Trade Productions Inc., 2111 Eisenhower Avenue, Suite 400, Alexandria, Va. 22314. (800) 638-8510 or (703) 463-8510.

**Date:** October 9

**Conference:** "OEM Only" Invitational Computer Conferences

**Description:** Aimed at volume buyers, OEMs, system houses and volume end-users, these regional displays of operating equipment and technical seminars are designed to reach a large number of decision makers.

**Location:** Munich Sheraton, Munich, West Germany

**Contact:** Text .100 Ltd., 10 Barley Mow Passage, Chiswick, London, W4 4 PH. (01) 994-6477

**Date:** October 11-13

**Conference:** Great Southern Computer Shows

**Description:** These shows will feature hardware and software, peripherals, accessories and word and data processing.

**Location:** Orlando Centroplex Expo Centre, Orlando, Fla. Also: Ft. Manassas, Fla., Dec. 6-8

**Contact:** Great Southern Computer Shows, P.O. Box 655, Jacksonville, Fla. 32201. (904) 356-1044.

**Date:** October 11-14

**Conference:** Computer Expo and Snow

**Description:** This show will present a wide range of seminars and sessions for all computer users, from the computer novice to the sophisticated user.

**Location:** Cal Expo, Sacramento, Calif.

**Contact:** Computer Expo and PC Shows, P.O. Box 160288, Sacramento, Calif. 95816.

**Date:** October 12-14

**Conference:** Great Southern Business and Computer Shows & Seminars

**Description:** These shows will feature computer hardware and software, peripherals, accessories and word and data processing.

**Location:** Orlando Expo Center, Orlando, Fla.

**Contact:** Chris Paul, Great Southern Computer Shows, P.O. Box 655, Jacksonville, Fla. 32201. (904) 356-1000.

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MICROCOMPUTERS IN CIVIL ENGINEERING

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October 30 — November 1, 1984

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PRELIMINARY PROGRAM  
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OCTOBER 29, 1984  
5:00 - 8:30PM Early Registration

OCTOBER 30, 1984  
7:30 - 8:30AM Registration  
8:30 - 9:00AM Opening Session

A

1-1-A Geotech. Eng. Testing

1-2-A Office Automation

1-3-A Hydraulics/Hydrology

1-4-A Structural Engineering

Break

Lunch

Break

Exhibits open 10:00 am - 6:00 PM

OCTOBER 31, 1984

2-1-A Geotechnical Engineering

2-2-A Computer Aided Design

2-3-A Flood Forecasting

2-4-A Data Acq./Data Base Mgt.

Break

Lunch

Break

Exhibits open 10:00 am - 6:00 PM

NOVEMBER 1, 1984

3-1-A Hydraulics/Hydrology

3-2-A Hydraulics/Hydrology

Break

Exhibits open 10:00 AM - 6:00 PM

B

1-1-B Structural Concrete

1-2-B Education

1-3-B Construction

1-4-B Transportation/Highways

2-1-B Steel Design

2-2-B Wastewater

2-3-B Documentation

2-4-B Structural Stability

3-1-B Structure

3-2-B Education

Registration fee includes a copy of the Proceedings and two lunches

## CONFERENCE THEME

The advent of inexpensive microprocessor based mini-computers has produced changes in the way Civil Engineering firms are conducting "business as usual."

The second National Conference on Computers in Civil Engineering is intended to continue the forum or the exchange of information related to the application of computers in the civil engineering work place that was successfully initiated in the first conference.

The conference is scheduled for three days and will include exhibits and the presentation of technical papers.

## EXHIBITS

An area has been reserved at the hotel for those vendors wishing to exhibit their equipment and software related to Civil Engineering applications. Companies wishing more information about the exhibit space should contact:

Mr. V. Amico  
College of Extended Studies  
University of Central Florida  
Orlando, Florida 32816  
(305) 275-2123

## LOCATION

Harley Hotel  
151 East Washington Street  
Orlando, Florida 32801  
(305) 841-3220

The Harley Hotel is located in downtown Orlando. A block of rooms has been reserved at a special conference rate. Transportation is available from the Orlando International Airport to the hotel and from the hotel to Disney attractions.

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and  
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## ANNOUNCES

### The 2nd National Conference

on

### MICROCOMPUTERS IN CIVIL ENGINEERING

October 30 - November 1, 1994

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# QUALIFIED RETIREMENT PLANS IN A CHANGING ENVIRONMENT

A One-Day Seminar

presented by

THE MANAGEMENT INSTITUTE  
AND THE  
SMALL BUSINESS DEVELOPMENT CENTER  
College of Business Administration  
University of Central Florida

October 24, 1984

8:00 AM - 4:30 PM



In Cooperation with the Small Business Administration

## REGISTRATION INFORMATION

**ENROLLMENTS** may be made by returning the registration form. **ENROLLMENT IS LIMITED.** Telephone reservations are also acceptable. Call 305/275-2446.

**CONFIRMATION** of your registration will be made two weeks prior to the beginning of the program. Information on location at University of Central Florida for seminar and luncheon will be communicated at that time.

For information concerning special facilities for the handicapped call 275-2796

**COURSE FEE** (\$95 per person) is payable to: **University of Central Florida.** Please detach the registration form and send to the **College of Extended Studies, University of Central Florida, Orlando, Florida 32816.** Fee includes luncheon and all meeting materials.

**CANCELLATIONS** made less than three working days prior to the seminar are subject to a \$25 cancellation fee.

**REFUNDS.** If insufficient enrollment necessitates cancelling the conference, all course fees will be refunded.

For further information call: 305/275-2446.

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# QUALIFIED PLANS IN A CHANGING ENVIRONMENT

8:00 - 4:30

- I. What is a qualified retirement plan?
  - A. Description
  - B. Advantages - disadvantages
  - C. Requirements for plan qualification
- II. Who may have a plan?
  - A. Individuals
  - B. Unincorporated businesses
  - C. Corporations
  - D. Tax-Exempt organizations
- III. Types of plans
  - A. Defined contribution
  - B. Defined benefit pension plans
  - C. Combination of plans
  - D. Individual retirement account rollovers
- IV. TEFRA impact and pending legislation
  - A. Contribution/benefit limits
  - B. Loans
  - C. Parity
  - D. Top heavy rules
- V. Investment strategies
  - A. Asset allocation
  - B. Who makes investment decisions?
  - C. What is a money manager?
- VI. Types of plans
  - A. Defined contribution
  - B. Wrap mortgages
  - C. Energy
- VII. Putting it all together

## INSTRUCTORS

### Jerry W. Caswell, MBA, PhD

Mr. Caswell is a native of Danville, Kentucky. He has earned two professional Designations: Chartered Life Underwriter (CLU) in 1976 and Chartered Property Casualty Underwriter (CPCU) in 1978.

Mr. Caswell was a professional educator for eight years prior to joining Robinson-Humphrey. He served as an Assistant Professor on the College of Business faculty at The Florida State University and as an Associate Professor on the College of Business faculty at Georgia State University.

Mr. Caswell has been an active seminar speaker developing and presenting 2- and 3-day seminars relating to employee benefit planning. In addition, Mr. Caswell has written numerous articles on topics related to employee benefit planning.

Mr. Caswell received his MBA in Finance from the Wharton School of Finance. He earned his MA & PhD in Business & Applied Economics from the University of Pennsylvania.

### Martin Silfen

Mr. Silfen graduated from M.I.T. in Cambridge, Massachusetts with a Bachelor of Science. He attended Villanova University School of Law where he earned his J.D. degree. Mr. Silfen then attended Temple University Law School earning credits toward a L.L.M. in Taxation.

Since 1981 Mr. Silfen has been practicing law in Atlanta. In 1983 he established his own practice located in Century Center. Mr. Silfen specializes in qualified employee benefit plans, compensation planning; labor and fiduciary aspects of ERISA; estate planning; individual and corporate income taxation; tax-exempt organizations and charitable giving.

Mr. Silfen is a member of the Pennsylvania and Georgia Bars, The Southern Pension Conference, and has been a lecturer for the Pennsylvania Bar Institute.

### James F. Valentine

Mr. Valentine is an Atlanta native who received a full scholarship to study economics at Dartmouth College. Mr. Valentine has earned two professional degrees in estate and financial planning: Certified Financial Planner (CFP) and Chartered Life Underwriter (CLU).

He formed his own consulting firm and has advised the owners of closely held corporations and professionals in the areas of investment and tax planning.

Mr. Valentine helped Merrill-Lynch Company structure their National Financial Planning subsidiary, and he has served as a Director of the Georgia Association of Financial Planners.

Mr. Valentine has also been an exclusive Consultant to the clients of the Robinson-Humphrey Co.; he is currently First Vice President/Financial Planning Consultant for the Robinson Humphrey/American Express Company headquartered in the Atlanta Financial Center.

# **SOUTHEASTCON '85**

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MARCH 31 — APRIL 3, 1985

## **FINAL CALL FOR PAPERS & EXHIBITORS**

SOUTHEASTCON is the annual IEEE Region 3 technical conference for the purpose of presenting technical and professional papers. Authors are invited to submit papers on new developments in the theory, concepts, techniques, and applications of Electrical and Electronic Engineering. Papers and attendance from areas outside Region 3 are encouraged. Original, not previously published or presented papers are solicited in — but not limited to — such areas as:

NETWORKING	Including educational and technological aspects
FLEXIBLE MANUFACTURING	Including robotics
PERSONAL COMPUTING	Current status, future trends
EMERGING PARTNERSHIPS	Industry, government, and universities — ethics, patents, and academic freedom
COMPUTER ENGINEERING	Educational and technological aspects
POWER	Future directions
ENCOURAGING INNOVATORS	Translating ideas into products and services

OTHER SIGNIFICANT PAPERS COVERING NEW TECHNOLOGICAL INTERESTS

## **AUTHOR'S SCHEDULE**

Submit four (4) copies of: Abstract (50 words), Summary (200-500 words),  
and a Brief Biographical Statement (50-150 words) by ..... October 15, 1984  
Notification of Acceptance and Mailing of Author's kit by ..... December 1, 1984  
Final Manuscripts Due by ..... January 15, 1985

Please submit papers to:

George Bland  
SOUTHEASTCON '85  
Technical Program Chairman  
North Carolina State University,  
School of Engineering  
P.O. Box 7904  
Raleigh, NC 27695-7904

(919) 737-3693

For further information, contact

Eric Shuford  
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## SPECIAL ATTENTION TO EXHIBITORS AND POTENTIAL EXHIBITORS

SOUTHEASTCON, the annual IEEE technical conference of Region 3, offers a unique opportunity for industry, government, and universities to exhibit their technology and expertise. The Conference also provides an opportunity to expand or maintain contacts among engineering students and practicing engineers. Attendance is expected to exceed 900, including professionals from a wide range of affiliations and electrical and computer engineering students from colleges and universities across the southeastern United States. The Conference has been advertised directly to all IEEE members in Region 3 — the southeastern United States.

### Exhibit Dates

Monday and Tuesday  
April 1 and 2, 1985  
(Setup: Sunday, March 31)

### Facilities

- Decorated display areas in Mission Valley Inn Convention Center
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For information or reservations, contact:

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Call For Papers & Exhibitors

### Five-year Calendar

[illegible]

# ACRONYMS

## IEEE Society/Council Acronyms

ASSP	—Acoustics, Speech, and Signal Processing	IE	—Industrial Electronics
AES	—Aerospace and Electronic Systems	IT	—Information Theory
AP	—Antennas and Propagation	IM	—Instrumentation and Measurement
BT	—Broadcast Technology	MAG	—Magnetics
CAS	—Circuits and Systems	MTT	—Microwave Theory and Techniques
CE	—Consumer Electronics	NPS	—Nuclear and Plasma Sciences
COM	—Communications	OE	—Oceanic Engineering
CHMT	—Components, Hybrids, and Manufacturing Technology	PE	—Power Engineering
C	—Computer	PEC	—Power Electronics Council
CS	—Control Systems	PC	—Professional Communication
E	—Education	QEA	—Quantum Electronics and Applications
EI	—Electrical Insulation	R	—Reliability
EMC	—Electromagnetic Compatibility	RA	—Robotics and Automation Council
ED	—Electron Devices	SIT	—Social Implications of Technology
EM	—Engineering Management	SMC	—Systems, Man, and Cybernetics
EMB	—Engineering in Medicine and Biology	SSC	—Solid-State Circuits Council
GRS	—Geoscience and Remote Sensing	SU	—Sonics and Ultrasonics
IA	—Industry Applications	VT	—Vehicular Technology

## IEEE Regional Geographic Descriptions

Region 1	—Northeastern USA
Region 2	—Eastern USA
Region 3	—Southeastern USA
Region 4	—Central USA
Region 5	—Southwestern USA
Region 6	—Western USA
Region 7	—Canada
Region 8	—Europe, Middle East, Africa
Region 9	—Latin America
Region 10	—Asia and Pacific

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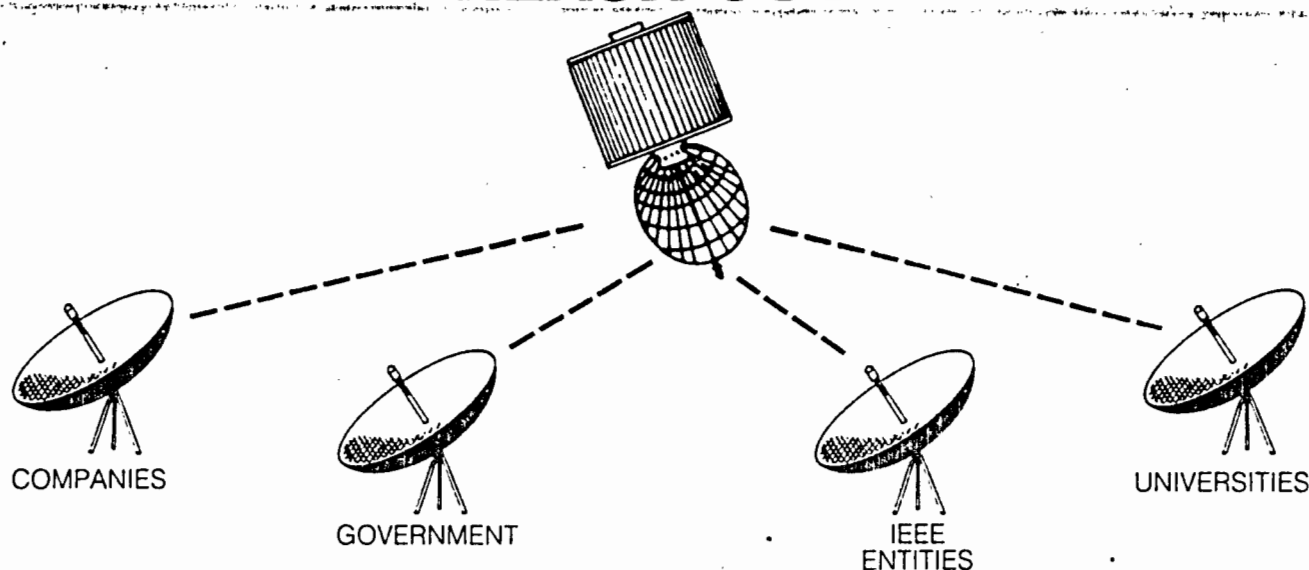
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ACI	—American Concrete Institute	BCS	—British Computer Society
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AIAA	—American Institute of Aeronautics and Astronautics	DARPA	—Defense Advanced Research Projects Agency
AICHE	—American Institute of Chemical Engineers	DGHK	—Deutsche Gesellschaft fur Herz-und Kreislaufforschung
AIIE	—American Institute of Industrial Engineering	DIF	—Danish Society of Chemical, Civil, Electrical, and Mechanical Engineers
AIME	—American Institute of Mining, Metallurgical and Petroleum Engineers	DNA	—Defense Nuclear Agency
AIP	—American Institute of Physics	DOD	—Department of Defense
AMA	—American Medical Association	DOE	—Department of Energy
ANS	—American Nuclear Society	EARSEL	—European Association of Remote Sensing Laboratories
API	—American Petroleum Institute	EASP	—European Association for Signal Processing
APS	—American Physical Society	ECI	—Electronic Conventions, Inc.
ARRACOM	—Army Armament Research and Development Command	EF	—Danish Electrotechnical Association
ASCE	—American Society of Civil Engineers	EIA	—Electronic Industries Association
ASE	—Association Suisse des Electriciens	EJC	—Engineers' Joint Council
ASEE	—American Society of Engineering Education	EPFL	—Swiss Federal Institute of Technology
ASC	—Applied Superconductivity Conference, Inc.	EPRI	—Electric Power Research Institute



IEEE

# IEEE SATELLITE VIDEOCONFERENCES "REACH OUT"



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## IEEE/EAB ANNOUNCES ONE-DAY LIVE VIDEOCONFERENCES VIA SATELLITE NETWORK

11:00 A.M. - 4:00 P.M. Eastern Time

**September 11, 1984**

### **PROJECT MANAGEMENT II TEAM BUILDING AND PROJECT LEADERSHIP**

"Project Management II - Team Building and Project Leadership" will use a case study approach involving interpersonal relationships and psychological effects.

**October 8, 1984**

### **VLSI-ITS IMPACT ON YOUR CAREER**

It is most appropriate that the educational emphasis on the centennial anniversary of IEEE be focused on Very Large Scale Integration (VLSI). This

technology is fueling the new industrial revolution which is multiplying the intellectual capacity of people.

**Décember 4, 1984**

### **INTEGRATED MANUFACTURING SYSTEMS**

Manufacturing, by its nature, would always have come under the classification of a "system". There are a series of attributes which clearly identify it as such. The focus of this course is to build on these and develop the concept of INTEGRATION as a necessary step forward in today's industrial environment.

### **INTERACTION WITH SITE**

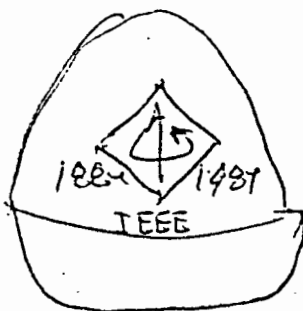
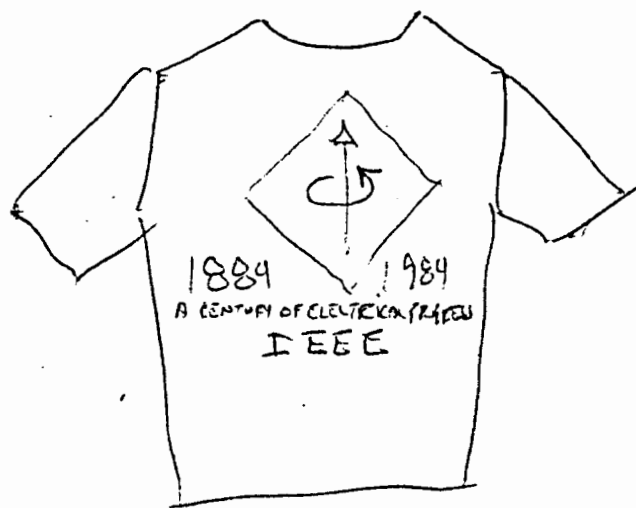
All broadcasts will originate live and will be available throughout the United States, Canada and Mexico via satellite. The interactive network (one-way video, two-way audio) established by TLC, The Learning Channel, will permit telephone interaction with the presenters during the live program.

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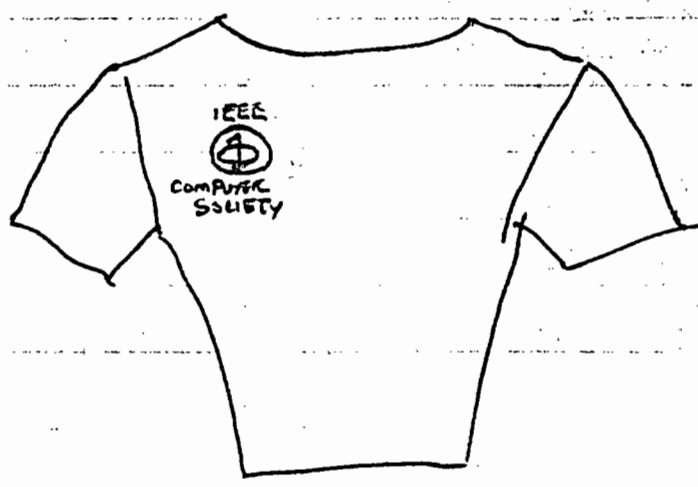
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1955	BALTIMORE / HOUSTON / PITTSBURGH	3	13
1956	DAYTON	1	14
1957	TWIN CITIES	1	15
1958	BINGHAMTON	1	16
1959	LONG ISLAND / NEBRASKA	2	18
1960	PHOENIX	1	19
1961	ORANGE COUNTY / SYRACUSE	2	21
1962	MOHAWK VALLEY / UTAH * 1st	2	23
1963	NORTH JERSEY / SAN DIEGO	2	25
1964	CLEVELAND	1	26
1965	CENTRAL TEXAS / SCHENECTADY	2	28
1966	CONNECTICUT / ORLANDO / VANCOUVER	3	31
1967	FRANCE / NEWJERSEY COAST / PORTLAND / ST. LOUIS / TOKYO	5	36
1968	OKLAHOMA CITY	1	37
1969	CANAVERAL / COLUMBUS / FORT HUACHUCA	3	40
1970	HAMILTON	1	41
1971	DENVER / SACRAMENTO / UTAH * reestablished	3	44
1972	FLORIDA WEST COAST / MILWAUKEE / ROCHESTER / SWITZERLAND	4	48
1973	MONTREAL / NEWORLEANS / RICHLAND / SEATTLE / TOLEDO / WICHITA	6	54

IEEE

SERVICE CENTER

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

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International Telex No. 236-411(NY) 833 233(NJ)

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	Letitia Lombardi Secretary	280
<u>ADMINISTRATION OF REGIONAL ACTIVITIES BOARD</u>		
Region Support and Finances	Laura Jobmann Administrator	282
RAB Secretariat	Carol Telep Administrative Asst.	281
<u>SECTIONS/SOCIETY CHAPTERS/STUDENT BRANCHES</u>		
Administration, Policy and Services	Mark Lucas Manager	287
<u>SECTION AND SOCIETY CHAPTER SUPPORT</u>		
Section Rebates and Order Billing, Officer Records, Section/Chapter Formations	Gloria Gutwein Supervisor	283
Label Addressing Services	Sheryll Mayr	285
Section/Chapter Officer Records/Formations	Kathleen Ruggeri	288
Section/Chapter Supplies, Certificates & Officer Pins, Banners	Carole Martin	286
<u>STUDENT SERVICES</u>		
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"Potentials", RAB Newsletter	Mary Campbell Coordinator	289
Branch Support, Rebates, Officer Records	Laura Snyder	290
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\*NOTE: Please ask for staff by name rather than extension.



IEEE COMPUTER SOCIETY STUDENT CHAPTER

## CHARTER DATES

## IEEE COMPUTER SOCIETY

Mr. Russell E. Theisen  
 Martin Marietta Aerospace  
 2667 Fitzhugh Road  
 Winter Park, Florida 32792  
 Telephone (305) 352-5130 (o)  
 (305) 671-4139 (h)

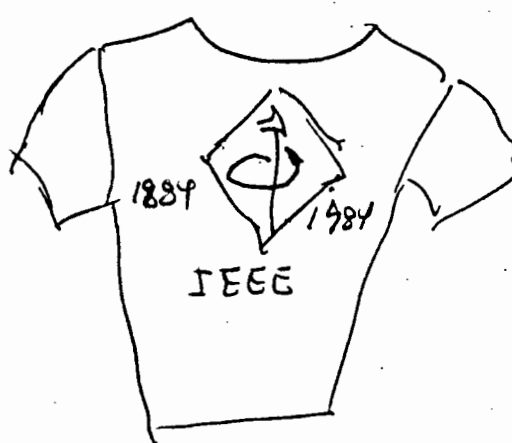
DATE	STUDENT CHAPTERS ESTABLISHED	CHANGE	TOTAL
1974	Brooklyn Polytechnic Inst. of N.Y. / Univ. of South Florida TAMPA / Univ. of Missouri- COLUMBIA / Univ. of Texas- AUSTIN / Texas A&M	5	5
1975		0	5
1976	Univ. of Pennsylvania-PHILADELPHIA / Univ. of New Mexico-ALBUQUERQUE	2	7
1977	Michigan Tech. Univ.- HOUGHTON / Wayne State Univ.- DETROIT / Arizona State Univ.-TEMPLE	3	10
1978	Technical Career Inst.--N.Y. / Southeastern Mass. Univ.-- DARTMOUTH / Rochester Inst. of Tech.--ROCHESTER / Drexel Univ.--PHILADELPHIA / George Washington Univ.--Wash. D.C. / Calif. State Univ.--POMONA / Niagara College--ONTARIO Canada / Florida Inst. of Tech.--MELBOURNE Tulane Univ.--NEW ORLEANS / Univ. of Wisconsin-- MILWAUKEE / Univ. of Detroit-- Michigan	11	21
1979	Academy of Aeronautics--N.Y. / Southern Univ. of N.Y.-- BUFFALO / Univ. of Central Florida-- ORLANDO / Univ. of Tennessee--KNOXVILLE / Georgia Inst. of Tech.--ATLANTA / Tri State Univ.--ANGOLA, INDIA / Iowa State Univ.--IOWA / Oklahoma State Univ.--STILLWATER OK. / Rice Univ.-- HOUSTON TX. /	9	30
1980	Wright State Univ.--DAYTON, OHIO / Univ. of Miami--MIAMI, FL. / Univ. of Alabama / Gateway Electron Inst.--OMAHA / North Dakota Univ.--FARGO, N.D. / Univ. of Wisconsin--MADISON, Wisconsin Illinois Inst. of Tech.--CHICAGO, ILL. / NORTHEASTERN Univ.-- Ill. / Western Michigan Univ.--Mich. / Univ. of Missouri-- ROLLA, MO. / Calif. State Univ.--LONG BEACH, CAL. / Inst. of Tech. De Estudios-- MEXICO / Universida Distrital Fran--Bocota COLUMBIA	13	43
1981	Queensborough Comm. College-- N.Y. / Syracuse Univ.--N.Y. / Syracuse / Ohio State Univ.--Columbus OHIO / Auburn Univ.--AUBURN, ALA. / Univ. of Wisconsin-- STOUT, WISC. / Univ. of Texas--ARLINGTON, TX. / Univ. of California-- BERKELEY / Regional Engineering College-- INDIA	8	51
1982	Univ. of Southeastern Louisiana--LAFAYETTE / Colorado State Univ.-- Ft. Collins / Univ. of British Columbia / Univ. of Philippines / Univ. of UTAH / Univ. of Manitoba / Columbia Univ. / Univ. of California--SAN DIEGO / McMaster Univ. / Univ. of Waterloo-- Canada / Stanford Univ. / Louisiana State Univ. /	12	67

R. THEISEN  
9-15-85

# IEEE COMPUTER SOCIETY

## COMPUTER SOCIETY SHIRTS

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COLOR	SIZES
RED	34-36 SMALL
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YELLOW	44-46 EXTRA LARGE
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LIGHT GREEN	

LETTERS  
BLACK  
WHITE

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BOTH CAPS SHIRT \$11.00

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COLOR ☐ RED ☐ BLUE ☐ GREEN ☐ YELLOW ☐ LIGHT BLUE ☐ LIGHT GREEN  
LETTERS ☐ BLACK ☐ WHITE.

QUANTITY  
\$ each. 6.95

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QUANTITY  
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DATE EXPIRATION

SIGNATURE



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

September 5, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, October 2, 1984

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Don Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

SEPTEMBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
16	17	18	19	20 AP/MTT MEETING NETWORK ANALYSIS ON TIME DOMAIN: 5:30PM AT HEWLETT PACKARD	21	22
23	24	25	26	27 COMPUTER SOCIETY MEETING PES & IA GROUP HYATT GRAND CYPRESS TOUR DINNER 6:30PM TOUR 7:45PM	28	29

OCTOBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2 EXEC. COM. MEETING	3	4	5	6 YOM KIPPUR
7	8 SECTION MEETING SATELLITE FEED: IEEE CENTENAL: CONVOCAION	9 EXECUTIVE COMMITTEE SECTION MEETING 5:30 PM	10	11	12	13
14	15	16	17	18 AP/MTT PROF. BEN ROKH DIST. LECTURE: FREN. SELECTIVE SURFACES & ARRAY	19	20 LIFE MEMBER CENTENAL MEETING 11AM - 3PM LUNCH-TALK-EXHIBIT DR. JOHN HYDER
21	22	23	24	25	26	27
28	29	30 HALLOWEEN	31			

NOVEMBER 1984						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 COM SOCIETY: 2 DINNER MEETING: PROFESSOR CHISCHA SCHWARTZ 6:45 - CASH BAR. HARVETTES AIRPORT		3
4	5	6 EXECUTIVE COMMITTEE MEETING 5:30PM ELECTION DAY	7	8	9	10
11	12	13	14	15 AP/MTT MAT'L LECTURE: DR. OREN B. KESLER RADAR SIGNATURE TECHNIQUES	16	17 VETERAN DAY
18	19	20	21	22 THANKSGIVING DAY	23	24
25	26	27	28 HALLOWEEN	29	30	

# MEETING NOTICE

ORLANDO SECTION IEEE  
MTT & AP SOCIETY

## SPEAKER

PHIL BARTLEY  
HEWLETT PACKARD CO.

PHIL BARTLEY IS A SYSTEM ENGINEERING DISTRICT MANAGER FOR THE HEWLETT-PACKARD COMPANY. AS SUCH, HE IS INVOLVED IN THE APPLICATION OF AUTOMATIC MICROWAVE TEST EQUIPMENT. BEFORE JOINING HEWLETT-PACKARD, HE SPENT SIX YEARS WRITING MICROWAVE ATE APPLICATION SOFTWARE FOR THE DEPARTMENT OF THE NAVY. MR. BARTLEY HOLDS BACHELOR AND MASTER DEGREES IN ELECTRICAL ENGINEERING FROM OLD DOMINION UNIVERSITY, AND HAS HAD SEVERAL TECHNICAL PAPERS AND ARTICLES PUBLISHED BY THE IEEE AND THE DEPARTMENT OF DEFENSE.

## TOPIC

NETWORK ANALYSIS IN THE TIME DOMAIN

PLACE AND TIME: HEWLETT-PACKARD CO., LAKE ELLENOR DRIVE, SEPT. 20, 1984 - 5:30PM

DINNER AT GARY'S DUCK INN AFTER THE TALK

IEEE Executive Committee Meeting  
Orlando Section

Date: August 28, 1984

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	George B. Taack, Jr.	Frank Fluet
	Deen Khandelwal	Woody Carter
	Conrad Blankenzee	Ben Patz
	Jorge Madina	Ed Ellis
	Mike Oleyar	Steve McKenna
	George McClure	Steve Forsythe
	Don Malocha	Geoff Dick
	Fred Wilcox	Chaouki Abdallah
	Mike Harris	Avelino Gonzalez
	David Flinchbaugh	

MINUTES:

1. Meeting called to order at 5:45 pm by Frank Fluet, Chairman. The necessary quorum was present.

2. The previous month's minutes were reviewed by attendees. A motion was made by Ed Ellis to accept the minutes and was seconded. Motion passed.

3. Treasurer's Report - Carl Schunemann: Absent; No Report.

4. Chairman's Report - Geoffrey Dick:

Geoff has been re-elected by chapter's chairmen to continue in his current position as Chapters chairman. Calenders were accepted and are included in section minutes.

5. Programs - George Taack:

The satellite feeds of the IEEE convocation will be held in the TV studio in the basement of the library at UCF on October 8. Facilities will hold approximately 50 people. RSVP.

6. Public Relations - George McClure:

The upcoming joint Section and Communication chapter meeting in November featuring Dr. Mischa Schwartz will be publicized in section notes and through mailings.

The publicity for the IEEE donations to the Orlando library have yet to be arranged. Deen Khandelwal will arrange.

**7. Publications - Al Fowler:**

Ed Ellis is guest editor for centennial issue. All activities must be in by Aug. 30 and Minutes Summary must be in by second week in Sept.

**8. Advertising - Bill Kownacki: No report.**

Advertising chairman is needed. Anyone interested should contact Fred Fluet.

**9. Awards - Joe Massett/Ben Patz:**

Plaques for outgoing Executive Committee members in lieu of certificates will be considered. Costs will be determined.

**10. Florida Engineering Society Liason: No report.**

**11. Pace - John Gilbert: Absent.**

Section needs to place a full page Pace announcement in order to obtain rebate. This was not done in Aug. section notes and will be corrected in the future.

**12. Education - Fred Simons: Absent; no report.**

**13. Student Activities - Don Malocha:**

Student/faculty picnic was very successful with good participation. The students beat the faculty in softball by a score of 14 to 9. Further meetings of this type will be planned throughout the year.

Approximately 30 students are participating in the student project of a Satellite Receiving System.

Further assistance in the student project is strongly solicited and any members or associates who can aid should contact D. Malocha.

Letters have been sent to Martin Marietta and Harris Corp. soliciting financial and technical support.

**14. Membership Development - Deen Khandelwal:**

There are currently 950 members in our local section.

New members joining the section should use our section number since we obtain a rebate for new members.

**15. Centennial - Deen Khandelwal:**

A number of activities have been planned for the centennial and are listed in the section calender.

Oct. 20 is a meeting for Life Members at the Orlando Garden Club. Cost is \$3.50 and free for Life Members.

**16. By-Laws - George McClure: No report.**

## CHAPTER REPORTS

### 17. AEES - Dave Flinchbaugh

Meetings for year are being planned.

### 18. Communication - Madjid Belkerdid:

Mike Harris provided report. November 1st joint Comm. and Section dinner meeting is planned. The speaker will be Misha Schwartz who will present "Computer Communication Networks; Past, Present and Future". Further information is in section notes or can be obtained from Madjid.

### 19. Computer Society - Steve Forsythe:

New chapter officers will be announced next month.

### 20. Electron Device Society - Ralph M. Mindock:

Don Malocha reported no new business. New chapter officers are same as last year.

### 21. MTT/AP - Fred Wilcox:

Two meetings: Phil Barkley on "Network Analysis in the Time Domain"; Paul Grealy on "High Speed Digital IC Performance", Wed. April 10. See calender or contact Fred.

### 22. PE - Mike Haddad:

Avelinno Gonzollas provided report. A number of meetings have been planned. See announcements and calender in section notes or contact PE officers for further information.

### 23. Student Branch IEEE - Steve McKenna:

Steve requested seed money to begin the student project. This will aid in getting started and further funds will be requested later. The senior section will be kept informed of progress. Section agreed to provide \$ 170.00 for seed.

### 24. Student Chapter, Computer Society: Ron Krauskopf; No report.

## UNFINISHED BUSINESS

25. Finance committee report was unavailable for review or discussion. Committee will attempt to meet prior to the next Executive committee meeting.

26. The 1984-85 operating budget is attached. Because of the many activities planned for the IEEE centennial year, a rather large deficit is anticipated. Sources of additional income are needed and will be sought. Any information concerning upcoming IEEE sponsored conferences should be directed to the section chairman.

27. Meeting adjourned at 8:17 pm.

## BUDGET SUMMARY

### IEEE Orlando Section ( 1984-85 )

#### I. Expenses

1. Publications ( Section Notes )	\$ 6945
2. Secretary	\$ 100
3. Chapters	
Chapter's Chairmen	\$ 75
AES	\$ 150
COMM	\$ 750
COMP	\$ 150
ED	\$ 200
AP/MTT	\$ 200
PE/IA	\$ 200
4. Public Relations	\$ 200
5. Awards Comm.	\$ 250
6. Pace Comm.	\$ 100
7. Student Activities	\$ 230
8. Education Comm.	\$ 0
9. Membership Development	\$ 100
10. Centennial Comm.	\$ 850
11. Programs Comm.	\$ 2750
12. Historian	\$ 100
13. Miscellaneous	\$ 500
14. Student Project Support ( Seed )	\$ 170
15. FCIEEE	\$ 0
<b>TOTAL</b>	<b>\$14020</b>

#### II. INCOME

1. IEEE rebate from IEEE	\$ 3136
2. Advertising in Section Notes	\$ 1800
3. Interest on deposits	\$ 480
4. Conferences	\$?????
5. AES rebate	\$ 250
6. Potential PACE rebate	\$ 1400
<b>TOTAL</b>	<b>\$ 7066</b>

#### III. EXCESS ( DEFICIT )

1. Deficit	\$ 6954
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disk:ieee  
file:ieeexc05



IEEE/USAB

## INFORMATION BULLETIN

*To provide timely and informative reports on current legislative and government actions which have potential impact on IEEE members, the engineering profession as a whole, and the national interest.*

### EDUCATIONAL ASSISTANCE NO LONGER TAX-FREE TO EMPLOYEES

Since 1978 employees have been able to upgrade their technical competence and improve and widen their job skills through education courses paid for by their employers. This fringe benefit has been--up to now--tax-free to employees by virtue of that 1978 law (Sec. 127 of the Internal Revenue Code).

Almost any IEEE member could be affected by that tax benefit, which went out of existence on December 31, 1983, despite the urging of industry, professional societies, unions, and university groups for its continuation. USAB Chairman Russell C. Drew explained the way it benefits the technical community to a House Ways and Means subcommittee in November of 1983. He was acting on behalf of the United States Activities Board and the Educational Activities Board, which had sought USAB's help in informing Congress. Dr. Drew's testimony stressed the importance of scientific and educational renewal in this time of rapid technological innovation.

The House and Senate bills to reinstate Sec. 127 got the death knell by the action of House and State conferees on the major tax legislation of this Congress (The Deficit Reduction Act of 1984, H.R. 4107).

So--as of today--all educational assistance (except courses that are strictly job-related) are subject to income, social security, and unemployment taxes. Employers must again make withholding judgments on whether educational assistance courses are job-related or not, even though no clear definition of "job-relatedness" exists. In addition, all employers who have not withheld taxes since December 31, 1983 may have to withhold for back taxes and may even be subject to penalties.

Senate tax people like Sec. 127; House tax people do not. If you agree that this provision is important, get in touch with key members of the House Ways and Means Committee and ask them to get the bill moving again. The simplest way to get Sec. 127 back on the books is to pass Representative Shannon's bill (H.R. 2568), which is a simple extension of that Section.

## EDUCATIONAL ASSISTANCE--continued

The Ways and Means Committee has the power to attach it to another legislative vehicle, such as a pending trade measure. Or--failing that--it should be reintroduced early in the next session of Congress and passed promptly.

Here are some of the arguments advanced by USAB and EAB for continuation of the tax break:

Given the constantly changing employment picture in the country, it seems appropriate for the Federal government to adopt tax policies that encourage employees to obtain retraining and advanced knowledge and skills through employer-provided educational assistance. And at a time when we have a critical need to develop the quality of the work force and improve national productivity, we should not deliberately restrain an efficient technique for improving human capital.

The present rapid rate of scientific and technical innovation has given new emphasis to the need for engineers and technicians to enhance and renew their technical competence on a continual basis.

The individual engineer has a personal responsibility to plan and develop a program for life-long learning that will assure his or her continued technical renewal. Each year, the technical competence of the engineer must be expanded, so that he or she is prepared to undertake, next year, tasks for which the background was not available last year. Similarly, the employer has a responsibility to encourage and assist the engineer in improving technical competence.

If you favor continuance of a tax benefit for educational assistance, get in touch with your own Congressman or woman, or any of the seven House Ways and Means Committee conferees:

Rep. Dan Rostenkowski (D-Ill.), Chairman  
Rep. Bill Archer (R-Tex.)  
Rep. Barber B. Conable, Jr. (R-N.Y.)  
Rep. John J. Duncan (R-Tenn.)  
Rep. Sam Gibbons (D-Fla.)  
Rep. J.J. Pickle (D-Tex.)  
Rep. Charles B. Rangel (D-N.Y.)  
Rep. Fortney H. Stark (D-Calif.)

All U.S. Representatives may be addressed at: U.S. House of Representatives, Washington, D.C. 20515

IEEE

EDUCATIONAL ACTIVITIES BOARD

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
345 EAST 47TH STREET, NEW YORK, N.Y. 10017, U.S.A. TELEX 233411

DIRECT NUMBER 312 703-7300

May 9, 1984

To: IEEE Section Chairs, Regions I-VI

Our two committees have been charged by the Educational Activities Board (EAB) of IEEE to identify and recommend to EAB a sufficient number of qualified Ad Hoc ABET Visitors for accreditation visits to Engineering and Engineering Technology programs. It is IEEE policy that at least one-half of each of the Ad Hoc Visitors Lists be persons currently employed in industry or government. Please nominate such persons as well as those who are employed by academic institutions. Visitors are needed for electrical engineering, electronics engineering, computer science and engineering, and related engineering programs; and for electrical technology, electronics technology, computer technology, and related technology programs. Each Ad Hoc Visitor must agree, if at all possible, to make one ABET accreditation visit per year and to perform certain preliminary and follow-up duties including the writing of a report. Each visit requires up to a one-person-week of activity including two and one-half or three days on site and in travel. The new visitor is also expected to attend a one-day workshop prior to making any visits, at employer expense, and normally serves for five academic years.

We write to ask you to use the enclosed forms to nominate one or more persons who meet all of the qualifications listed on the reverse of the respective forms. Please list your nominees in ranked order, and return to John Wilhelm, Staff Director of Educational Services, on or before October 19, 1984. Upon receipt of the nominations, he will contact your nominees with a request that their biographical information be furnished to IEEE by November 19, 1984. He will also ascertain their willingness to serve. The two Committees will meet shortly thereafter to consider their respective lists of names and to make appropriate recommendations to the IEEE Educational Activities Board.

Accreditation is an important responsibility for all members of IEEE. We thank you very much for considering this request and for getting the information to us.

Sincerely,

*Harriett B. Rigas*

Harriett B. Rigas, Chairperson  
Committee on Engineering  
Accreditation Commission Visitors

*Ludvik Burgar*

Ludvik Burgar, Chairperson  
Committee on Technology  
Accreditation Commission Visitors

QUALIFICATIONS FOR  
IEEE-ACCREDITATION BOARD FOR ENGINEERING AND TECHNOLOGY (ABET)  
ENGINEERING ACCREDITATION COMMISSION (EAC)  
AD-HOC VISITORS ON ACCREDITATION TEAMS

1. Senior Member or Fellow of IEEE.
2. A minimum of 10 years experience in electrical and/or computer engineering at time of appointment, preference to be given to those with both academic and industrial experience.
3. Classification as academic or industrial determined by principal employment at time of appointment.
4. Outstanding technical competence.
5. Current familiarity with and interest in education in electrical and/or computer engineering in the United States.
6. Analytical ability, communication skills, and personal maturity commensurate with requirements of the visitor's assignment.
7. Sensitivity to the needs and potentialities of women and minorities with respect to electrical and/or computer engineering education and the associated profession.
8. Formal education to the master's level or distinction in the practice of electrical and/or computer engineering.
9. Stated willingness to accept a five-year appointment.
10. Stated willingness to conduct visits and all associated activities in accordance with the requirements of EAC/ABET and the IEEE.
11. Unless exceptional conditions exist, an academic person chosen by CEACV should be presently involved in an accredited program or have



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

November 18, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, December 4, 1984

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section

**IEEE Executive Committee Meeting  
Orlando Section**

Date: November 6, 1984

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	George B. Taack, Jr.	Frank Fluet
	Don Malocha	Ed Ellis
	Fred Wilcox	Conrad Blankenzee
	Don Malocha	Bill Kownacki
	Mickey Mindock	Geoff Dick
	Alex Marton	Mike Haddad
	David Flinchbaugh	John Gilbert
	Carl Schunemann	Mike Oleyar
	Mike Harris	Madjid Belkerdid

**MINUTES:**

1. Meeting called to order at 6:00 pm by Frank Fluet, Chairman. The necessary quorum was present.
2. The Sept. minutes were reviewed by attendees. A motion was made to accept the minutes and was seconded. Motion passed.
3. **Treasurer's Report - Carl Schunemann:**  
Treasurer's report dated Nov. 6, 1984 is attached.
4. **Chairman's Report - Geoffrey Dick:**  
Note Central Florida Council for High Technology announcement on Dec. 5. Letter from M. Mindock is attached.
5. **Programs - George Taack/Conrad Blankenzee:**  
The IEEE convocation was held at UCF via satellite on Oct. 8. There were 16 attendees and a cost of \$44.94.  
  
Nov. 1 meeting: Speaker Mischa Schwartz  
Largest meeting of section to date. Attendance was 115 with 60 IEEE members. 83 students attended. Student subsidy allowance for the year has been depleted. Will look for outside support.
6. **Public Relations - George McClure: No report.**
7. **Publications - Alex Marton:**  
Please get all announcements for publication in by 2nd week of the month.

**8. Advertising - Geoff Dick:**

Potential advertisers have been contacted and new advertiser's numbers will grow. Past advertising billings will be reviewed.

**9. Awards - Ben Patz: No Report.**

**10. Florida Engineering Society Liason - R.C. Harden: No Report.**

**11. Pace - John Gilbert:**

No new activities.

**12. Education - Fred Simons: Absent**

UCF and IEEE will sponsor the Integrated Manufacturing Systems Conference being offered Dec. 4, 1984. This is a live video conference.

**13. Student Activities - Don Malocha:**

Student TVRO satellite project is progressing. Donations of \$450.00 have been obtained from outside sources.

Students can use any additional financial or professional help from any members.

**14. Membership Development - Woody Carter: No Report.**

**15. By-Laws - George McClure: No Report.**

**16. Historian- Russ Theisen: No Report.**

**CHAPTER REPORTS**

**17. AEES - Dave Flinchbaugh**

Will try to establish January meeting with a speaker from the KSC atronout program.

**18. Communication - Madjid Belkerdid:**

January meeting is being planned.

**19. Computer Society - Steve Forsythe: No Report.**

**20. Electron Device Society - Ralph M. Mindock:**

January meeting is being planned with the ED national lecturer. Note attached letter on High Technology Council.

21. MTT/AP - Fred Wilcox:

Nov. 15 Dr. Kessler from Texas Instruments will speak on Radar Signature Techniques. Last months meeting was successful with 13 people attending.

22. PE - Mike Haddad:

Nov. 13 is a joint meeting with the West Coast Section organizational meeting.

23. Student Branch IEEE - Steve McKenna: No report.

24. Student Chapter, Computer Society: No report.

25. Meeting adjourned at 8:00 pm.

26. Time/Place of next meeting:

Dec. 4, Tue., 5:30 pm.

Automation Intelligence (AI)

1200 W. Colonial Drive

( west of I-4 and Colonial Drive )

disk:ieee  
file:ieeexc09

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
NOVEMBER 6, 1984

Checking Account Balance  
October 2, 1984 Treasurer's Report \$393.28

Deposits:

10-3-84	Dreyfus Fund Withdrawal Check #1	\$3,000.00
10-31-84	Communications Society Dinner Meeting Tickets Receipts	616.00
10-31-84	Communications Society Dinner Meeting Tickets Receipts	285.00
10-31-84	Techtronix, Inc. Ck. #367086 March & April 1984 Newsletter Adds	130.00
10-31-84	IEEE 1st Half Rebate Ck. #129921	988.37
10-31-84	Dreyfus Fund Withdrawal Check #2	4,000.00
Total Deposits		\$9,019.37

Disbursements:

#1147	Casselberry Senior Citizens Center, Life Members Meeting, 5 Hours @ \$15 Per Hour	\$75.00
#1148	Altamonte Data Processing, Invoice #15936 Dated 9-24-84	81.86
#1149	University of Central Florida Invoice #307, Acct. No. 033505263 (Dialogues on High Technology)	\$1,329.10

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#1152	Seminole House Printers Special Souvenir Issue, Oct. '84 Invoice #7682 Dated 10-9-84	2,165.94
#1153	Orlando Airport Marriott 11-1-84 Communications Society Dinner Meeting	2,467.99
#1154	Donald O. Malocha Secretary's Stamp Expenses Aug. & Sept. Exec. Com. Minutes	11.00
#1155	W. C. Carter IEEE Postage Stamps	20.00
#1156	F. A. Fluet 11-3-84 Exec. Com. Mtg. Refreshments	6.17
Total Disbursements		\$6,387.07

Summary:

Checking Account Balance, 10-2-84	\$393.28
Plus Deposits	9,019.37
Sub-Total	9,412.65
Less Disbursements	6,387.07
Checking Account Balance, 11-6-84	3,025.58
Dreyfus Fund Balance, 9-28-84	10,362.46
Less Withdrawals (See Checking Acct. Deposits)	7,000.00
Current Dreyfus Fund Balance	3,362.46
Total Funds:	
Dreyfus Fund	\$3,362.46
Checking Account	3,025.58
Total	\$6,388.04

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

	MA	LF	F	IS	SR	PS	LM	H	PN	LA	A
ACTIVE MEMBERSHIP 09/30/84	0	6	5	33	99	0	29	556	11	1	40
ADDITIONS											
ELECTIONS	0	0	0	0	0	0	0	2	0	0	0
ARREARS PAID	0	0	0	0	0	0	0	1	0	0	0
REINSTATEMENTS	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	0	0	0	0	0
MOVED INTO SECTION	0	0	0	1	0	0	0	0	0	0	0
CORRECTIONS TO	0	0	0	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	1	0	0	0	12	0	0	0
DELETIONS											
RESIGNED	0	0	0	0	0	0	0	0	0	0	0
DECEASED	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	0	0	0	1	0	0
MOVED OUT OF SECTION	0	0	0	0	0	0	0	5	0	0	0
CORRECTIONS FROM	0	0	0	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	0	0	5	1	0	0
ACTIVE PRIOR YEAR 10/31/83 *	0	9	3	33	93	0	20	531	4	2	41
ACTIVE THIS MONTH 10/31/84	0	6	5	34	99	0	29	563	10	1	40
LOSS/GAIN *	0	3-	2	1	6	0	9	32	6	1-	1-
LOSS/GAIN PERCENTAGE *	.00	33.33-	66.66	3.03	6.45	.00	45.00	6.02	150.00	50.00-	2.43-
ARREARS PRIOR YEAR 10/31/83 *	0	0	0	0	2	0	0	39	0	0	3
ARREARS THIS MONTH 10/31/84	0	0	0	0	3	0	0	31	0	0	11
RESIGNED PRIOR YEAR 10/31/83 *	0	0	0	0	0	0	0	0	0	0	0
RESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	1	0	0	1

	3RD YR GRAD		2ND YR GRAD		1ST YR		STUDENT	GRAND TOTAL
	A	H	A	H	A	H		
ACTIVE MEMBERSHIP 09/30/84	0	0	0	16	1	104	78	279
ADDITIONS								
ELECTIONS	0	0	0	0	0	0	13	15
ARREARS PAID	0	0	0	0	0	0	1	2
REINSTATEMENTS	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	1	2
MOVED INTO SECTION	0	0	0	0	0	5	0	14
CORRECTIONS TO	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	0	0	5	15	33
DELETIONS								
RESIGNED	0	0	0	0	0	0	0	0
DECEASED	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	1	0	2
MOVED OUT OF SECTION	0	0	0	0	0	2	1	3
CORRECTIONS FROM	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	3	1	10
ACTIVE PRIOR YEAR 10/31/83 *	0	0	0	26	3	94	51	910
ACTIVE THIS MONTH 10/31/84	0	0	0	16	1	106	92	1002
LOSS/GAIN *	0	0	0	10-	2-	12	41	92
LOSS/GAIN PERCENTAGE *	.00	.00	.00	38.46-	66.66-	12.76	80.39	10.10
ARREARS PRIOR YEAR 10/31/83 *	0	0	1	9	0	12	6	71
ARREARS THIS MONTH 10/31/84	0	0	0	4	0	25	6	88
RESIGNED PRIOR YEAR 10/31/83 *	0	0	0	0	0	0	0	0
RESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	2

Chairman's Notes 11/4/84

1. We welcome Victor Alas, our new member of the Publication Committee. Victor will co-chair the committee with John Gilbert. Victor works at United Telephone Company. Mailing address and phone is:

Victor M. Alas, Jr.  
377 Springdale Dr.  
Altamonte Springs, FL 32701  
830-3326/788-6768 B/H

If anyone has leads to potential advertisers, contact John or Victor.

2. Publication costs of the Centennial Issue of the Section Notes ran over budget. We had budgeted \$1400 for 1100 copies; however, actual expenses were approximately \$2060 for 1300 copies.
3. Dr. Hanns Wolff has donated a number of artifacts from early radio, radar and electronics history. We would like suggestions for the best way to display them. Dr. John Ryder, at the meeting of Life Fellows, suggested IEEE headquarters, or the Smithsonian. Is there any Educational, Public Service or Industry display case that could make use of this resource? Please direct suggestions to Deen Khandelwal or me.
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5. George Taack will be representing our section at the Region 3 PACE Conference, Saturday, November 17, in Charleston, SC.
6. Deen Khandelwal would like to locate all the special Centennial Historical posters. Some of them were loaned to various individuals. If you have any, please notify Deen.



STATEMENT OF REBATE  
MARCH 1984

SECTION: ORLANDO

GEOCODE: 03 05 51

ANNUAL CREDITS:

SECTION BASIC ALLOWANCE .....	\$	200.00
Section Member Rebate: (Higher Grade)	869	
Student Member Rebate:	64	
Affiliates: (of Societies)	45	
Total:	978	
Rebate for first 200 of Total	200 @ \$ 3.00 each .....	\$ 600.00
Rebate for remainder of Total	778 @ \$ 1.50 each .....	\$ 1,167.00
New Members Elected 1983: (H.G.)	33 @ \$ 6.00 each .....	\$ 198.00
Section Technical Conference: (One)	0 @ \$100.00 .....	\$ 0.00
Section Meeting Rebate:	4 @ \$ 20.00 each .....	\$ 80.00
Subsection Meeting Rebate:*	0 @ \$ 20.00 each .....	\$ 0.00
Chapter Meeting Rebate:*	18 @ \$ 20.00 each .....	\$ 360.00
Chapter Member (H.G.)/Affil. Rebate:*	383 @ \$ 0.70 each .....	\$ 268.10

TOTAL ANNUAL 1984 REBATE .....	\$	2,873.10
March 1984 Rebate .....	\$	1,436.55

LESS DEDUCTIONS:

Charges for Services and Supplies July - December 1983 (Details Attached) .....	\$	(448.18)
Net MARCH 1984 REBATE PAYMENT .....	\$	988.37

Date Received  
at IEEE

1983 FINANCIAL REPORT 9/12/84

1983 MEETING REPORT 11/14/83



IEEE

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445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

1984 IEEE STATEMENT OF REBATE  
CHAPTER ACTIVITIES

SECTION: ORLANDO

Society Chapter Code	Member (H.G.) & Affil. Rebate @ \$.70	Meeting Rebate @ \$20.00	Total
COM-19	68 Members - \$ 47.60	2 Meetings - \$ 40.00	\$ 87.60
AP03/MTT17	48 Members - \$ 33.60	5 Meetings - \$ 100.00	\$ 133.60
SD-15	14 Members - \$ 9.80	8 Meetings - \$ 160.00	\$ 169.80
COMP-16	253 Members - \$ 177.10	3 Meetings - \$ 60.00	\$ 237.10
*PE31/IA-34	0 Members - \$ 0.00	0 Meetings - \$ 0.00	\$ 0.00
TOTALS	383 Members - \$ 268.10	18 Meetings - \$ 360.00	\$ 628.10

Each Chapter Must hold two (2) meetings annually to receive member rebate.



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

October 18, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR OCTOBER 1984

Letters of welcome were sent to the 'A' and 'E' categories below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	9-30-84
A	New Election to Membership	22
B	Reinstatement to Membership	1
C	Arrears Paid	0
D	Address Change, Within Section	15
E	Moving Into Section	16
H	Transfer In Member Grade	36
I	Moving Out Of Section	10
K	Went Into Dues Arrears	0
M	Deceased	1
N	Change in Group or Society	0

*W.C. Carter*

W. C. Carter  
Membership Development Chairman

84-084

November 6, 1984

Mr. Frank Fluet  
Chairman  
IEEE Orlando Section

Dear Frank:

The Central Florida Council for High Technology, Inc. is a non-profit organization that was incorporated this summer in order to:

- 1). stimulate, encourage, advance and promote the start up and expansion of technologically oriented businesses in the Central Florida area.
- 2). provide information and educational programs for the benefit of those having a business, financial or professional interest in technologically oriented businesses in the Central Florida area.

The Council is planning a "Get Acquainted" cocktail hour at the House of Beef on December 5, 1984 from 5:00 p.m. until 11:00 p.m. We are inviting various organizations such as the Industrial Development Commission, The Small Business Development Center, engineering societies, inventor societies and venture clubs to participate by manning a table, answering questions and providing information and/or literature to those attending the cocktail activity.

There will be no admission fee for individuals attending the function. There is no fee for an organization to participate. The Central Florida Council for High Technology will pay the expenses for the meeting in an effort to introduce itself to the community. There will be a cash bar for cocktails.

The Central Florida Council for High Technology would like to invite the Orlando Section of the IEEE to participate on December 5, 1984 and would like to request permission to list the organization as one of the participants in its promotions for the meeting.

Sincerely,

*Ralph M. Mindock*

Ralph M. Mindock  
President  
Central Florida Council for High Technology, Inc.

RMM/sm

	HM	LP	F	LS	SM	PS	LH	M	PH	LA	A
ACTIVE MEMBERSHIP 09/30/84	0	6	5	33	99	0	29	556	11	1	40
ADDITIONS ELECTIONS	0	0	0	0	0	0	0	2	0	0	0
ARREARS PAID	0	0	0	0	0	0	0	1	0	0	0
REINSTATEMENTS	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	0	1	0	0	0
MOVED INTO SECTION	0	0	0	1	0	0	0	8	0	0	0
CORRECTIONS TO	0	0	0	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	1	0	0	0	12	0	0	0
DELETIONS RESIGNED	0	0	0	0	0	0	0	0	0	0	0
DECEASED	0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	0	0	0	1	0	0
MOVED OUT OF SECTION	0	0	0	0	0	0	0	5	0	0	0
CORRECTIONS FROM	0	0	0	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	0	0	5	1	0	0
ACTIVE PRIOR YEAR 10/31/83 *	0	9	3	33	93	0	20	531	4	2	41
ACTIVE THIS MONTH 10/31/84	0	6	5	34	99	0	29	563	10	1	40
LOSS/GAIN *	0	3-	2	1	6	0	9	32	6	1-	1-
LOSS/GAIN PERCENTAGE *	.00	33.33-	66.66	3.03	6.45	.00	45.00	6.02	150.00	50.00-	2.43-
ARREARS PRIOR YEAR 10/31/83 *	0	0	0	0	2	0	0	38	0	0	3
ARREARS THIS MONTH 10/31/84	0	0	0	0	3	0	0	31	0	0	11
RESIGNED PRIOR YEAR 10/31/83 *	0	0	0	0	0	0	0	0	0	0	0
RESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	1	0	0	1

	3RD YR GRAD		2ND YR GRAD		R GRAD 1ST YR		STUDENT	GRAND TOTAL
	A	M	A	M	A	M		
ACTIVE MEMBERSHIP 09/30/84	0	0	0	16	1	104	78	979
ADDITIONS ELECTIONS	0	0	0	0	0	0	13	15
ARREARS PAID	0	0	0	0	0	0	1	2
REINSTATEMENTS	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	1	2
MOVED INTO SECTION	0	0	0	0	0	5	0	14
CORRECTIONS TO	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	0	0	5	15	33
DELETIONS RESIGNED	0	0	0	0	0	0	0	0
DECEASED	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	1	0	2
MOVED OUT OF SECTION	0	0	0	0	0	2	1	8
CORRECTIONS FROM	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	3	1	10
ACTIVE PRIOR YEAR 10/31/83 *	0	0	0	26	3	94	51	910
ACTIVE THIS MONTH 10/31/84	0	0	0	16	1	106	92	1002
LOSS/GAIN *	0	0	0	10-	2-	12	41	92
LOSS/GAIN PERCENTAGE *	.00	.00	.00	38.46-	66.66-	12.76	80.39	10.10
ARREARS PRIOR YEAR 10/31/83 *	0	0	1	9	0	12	6	71
ARREARS THIS MONTH 10/31/84	0	0	0	8	4	25	6	88
RESIGNED PRIOR YEAR 10/31/83 *	0	0	0	0	0	0	0	0
RESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	2

Chairman's Notes

11/4/84

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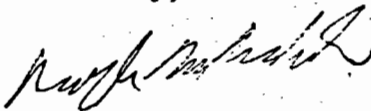
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Ralph M. Mindock  
President  
Central Florida Council for High Technology, Inc.

RMM/sm

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(305) 843-7030

October 18, 1984

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FOR OCTOBER 1984

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*W.C. Carter*

W. C. Carter  
Membership Development Chairman

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Less Disbursements	<u>6,387.07</u>
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Current Dreyfus Fund Balance	3,362.46
Total Funds:	
Dreyfus Fund	\$3,362.46
Checking Account	<u>3,025.58</u>

Total \$6,388.04

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
NOVEMBER 6, 1984

Checking Account Balance \$393.28  
October 2, 1984 Treasurer's Report

Deposits:

10-3-84	Dreyfus Fund Withdrawal Check #1	\$3,000.00
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1984 IEEE STATEMENT OF REBATE  
CHAPTER ACTIVITIES

SECTION: ORLANDO

Society Chapter Code	Member (H.G.) & Affil. Rebate @ \$.70	Meeting Rebate @ \$20.00	Total
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*PE31/IA-34	0 Members - \$ 0.00	0 Meetings - \$ 0.00	\$ 0.00
<b>TOTALS</b>	<b>383 Members - \$ 268.10</b>	<b>18 Meetings - \$ 360.00</b>	<b>\$ 628.10</b>

Each Chapter Must hold two (2) meetings annually to receive member rebate.



STATEMENT OF REBATE  
MARCH 1984

SECTION: ORLANDO

GEOCODE: 03 05 51

ANNUAL CREDITS:

SECTION BASIC ALLOWANCE .....	\$	<u>200.00</u>
Section Member Rebate: (Higher Grade)	<u>869</u>	
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Total:	<u>978</u>	
Rebate for first 200 of Total	<u>200</u> @ \$ 3.00 each .....	\$ <u>600.00</u>
Rebate for remainder of Total	<u>778</u> @ \$ 1.50 each .....	\$ <u>1,167.00</u>
New Members Elected 1983: (H.G.)	<u>33</u> @ \$ 6.00 each .....	\$ <u>198.00</u>
Section Technical Conference: (One)	<u>0</u> @ \$100.00 .....	\$ <u>0.00</u>
Section Meeting Rebate:	<u>4</u> @ \$ 20.00 each .....	\$ <u>80.00</u>
Subsection Meeting Rebate:*	<u>0</u> @ \$ 20.00 each .....	\$ <u>0.00</u>
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\*\*\*\*\*

TOTAL ANNUAL 1984 REBATE .....	\$	<u>2,873.10</u>
March 1984 Rebate .....	\$	<u><u>1,436.55</u></u>

LESS DEDUCTIONS:

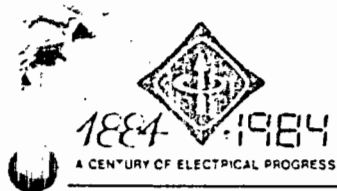
Charges for Services and Supplies July - December 1983 (Details Attached) .....	\$	<u><u>(448.18)</u></u>
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Net MARCH 1984 REBATE PAYMENT .....	\$	<u><u>988.37</u></u>
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Date Received  
at IEEE

1983 FINANCIAL REPORT	<u>9/12/84</u>
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1983 MEETING REPORT	<u>11/14/83</u>
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11-8-84

IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

October 18, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR OCTOBER 1984

Letters of welcome were sent to the 'A' and 'E' categories below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	9-30-84
A	New Election to Membership	22
B	Reinstatement to Membership	1
C	Arrears Paid	0
D	Address Change, Within Section	15
E	Moving Into Section	16
H	Transfer In Member Grade	36
I	Moving Out Of Section	10
K	Went Into Dues Arrears	0
M	Deceased	1
N	Change in Group or Society	0

*W.C. Carter*

W. C. Carter  
Membership Development Chairman

IEEE ORLANDO SECTION

EXECUTIVE COMMITTEE MEETING  
November 6, 1984

AGENDA

1. Introductions & Review Agenda Frank Fluet
2. Approval of previous minutes. Don Malocha
3. Treasurer's Report Carl Schunemann
4. Chapters Chairmen Representative Geof Dick
5. Standing Committee Reports
  - a. Programs George Taack/Conrad Blankenzee
  - b. Public Relations George McClure *No report*
  - c. Publications Alex Marton
  - d. Advertising John Gilbert/Victor Alas
  - e. Awards Ben Patz *NR*
  - f. Florida Engineering Soc. Liaison Richard Harden *NR*
  - g. PACE John Gilbert
  - h. Student Activities Don Malocha
  - i. Education Fred Simons *NR*
  - j. Membership Development Woody Carter *N.R.*
6. Special Committees
  - a. By-Laws George McClure *N.R.*
  - b. Historian Russ Theisen *N.R.*
  - c. Centennial Deen Khandelwal *N.R.*
  - d. SOUTHCON '86 Bruce Mathews *N.R.*
  - e. Member-at-Large Joe Massett *N.R.*
7. Chapter Reports
  - a. Aerospace and Electronic Systems Society Dave Flinchbaugh
  - b. Communications Society Madjid Belkerdid
  - c. Computer Society Steve Forsythe *N.R.*
  - d. Electron Devices Society Ralph M. Mindock
  - e. Antennas and Propagation/Microwave Theory and Techniques Society Fred Wilcox
  - f. Power Engineering/Industry Applications Society Michael Haddad
  - g. Student Branch IEEE Steven D. McKenna
  - h. Student Chapter, Computer Society Ron Krauskopf
8. Unfinished Business
  - a. Awards (Plaques) for Outgoing Officers *NR Table*
9. New Business
  - a. Section Support of "Central FL Council for High Tech" Mickey Mindock
  - b. Chairman's Notes Frank Fluet
10. Time/Place of Next Meeting
11. Adjourn

DATE: 11-6-84

ATTENDEESIEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING

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

Name	(Address)	Bus. Phone	Home Phone
✓ Don Malocha	409 Bay Treedom		
✓ FRANK FLUET		✓	✓
✓ GEOFFREY Dick	✓	✓	✓
✓ Fred P Wilcox	✓	✓	✓
✓ Conrad Blankensee	✓	✓	✓
✓ George B. TAACK JR	✓	✓	✓
✓ ED ELLIS	✓	✓	✓
✓ Mickey M. Dodge	✓	✓	✓
✓ DAVID E. FLINCHBAUGH	✓	✓	✓
✓ Alex Marton	✓	✓	✓
✓ Michael V. Haddad			
✓ Michael Oleyar	✓	✓	✓
✓ Carl J. Schunemann	✓	356-7207	✓
✓ Bill Kownacki	✓	✓	✓
✓ John Gilbert	✓	✓	✓
✓ MICHAEL HARRIS			
✓ Mark J. P. Kershis	✓		

## Long Range Plan

1) ED.

January meeting - Nat. Lecturer.  
2 other meetings.

Incorp. Central Florida Council for High  
Tech.

Contact Membership Dev. Chairman

Motion made by M. M. Second: Malocha

Motion passed to set up table at  
meeting.

2) Minutes approved.

3) Treasurer's report.

Will try to square away advertising  
acct.

4. Chapter Chairman:

Dec 5. CFC#T

5. Programs: Taack/Blankeney

Oct. 8 Sat. Convocation 16 attend.  
\$44.94

Nov. 1. joint COM & Section.

135 attended 115 attended

Paid 127 meals / largest meeting

60 IEEE members

Budget set for 60 stud for yr.

No funds for subsides left. 83 studs. showed

5 cont.) See if industry might replenish fund  
Budget \$400 for Nov.  
\$600 stud budget.  
\$1000

Com soc. \$750 assume \$500

Inc. \$3057

Exp. \$2826.90

Plane: \$218. / \$20 taxi / \$20 misc

Next meeting: Feb. Eng week

6. Alex Marton: Publications

~~Exp.~~ Get all info in by 2nd week  
of month for publication.

7. Advertising: Potential advertisers have  
been contacted & growing  
Past advertising will be reviewed

AES: Try January meeting w/ Astronaut  
AES members

Workshops in Canaveral Section on  
Student Eng. involvement in A.S.

Comm. Soc.: End of Jan. meeting  
is being planned.

AP/MTT: Scanned Indep. Phased Arrays.  
good meeting. 13 people & 6 members

Nov. 15 Dr. Esler / Radar Signature Tech.  
~~2nd~~

PE/IA: Nov. 13 joint meeting  
w/ West Coast Sec.  
Organizational meeting

Bill Jamieson & [John Tracy working]

Next meeting Dec. 4

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

December 12, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

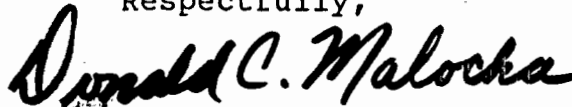
Tuesday, January 8, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,



Donald C. Malocha  
Secretary  
IEEE Orlando Section

**IEEE Executive Committee Meeting  
Orlando Section**

Date: December 4, 1984

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	George B. Taack, Jr.	Frank Fluet
	Don Malocha	Ed Ellis
	Fred Wilcox	Conrad Blankenzee
	Don Malocha	Woody Carter
	Geoff Dick	George McClure
	Alex Marton	Ben Patz
	David Flinchbaugh	David Horrigan
	Mike Oleyar	

**MINUTES:**

1. Meeting called to order at 6:00 pm by Frank Fluet, Chairman. The necessary quorum was present.

2. The Nov. minutes were reviewed by attendees. A motion was made to accept the minutes and was seconded. Motion passed.

**3. Treasurer's Report - Carl Schunemann:**

Treasurer's report dated Dec. 4, 1984 is attached. A motion was made to accept the treasurer's report and was seconded. Motion passed.

**4. Chairman's Report - Geoffrey Dick:**

Note Central Florida Council for High Technology announcement on Dec. 5.

**Urgent!!!** Please get in meeting announcements immediately!!!

**5. Programs - George Taack/Conrad Blankenzee:**

Section survey to be compiled.

**6. Public Relations - George McClure:**

See attachment on proposed public relation initiatives.

**7. Publications - Alex Marton:**

Please get all announcements for publication in by 2nd week of the month.

**8. Advertising - John Gilbert/Victor Alas: No Report.**

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

1. The first step is to identify the problem.  
 2. The second step is to define the problem.  
 3. The third step is to analyze the problem.  
 4. The fourth step is to develop a solution.  
 5. The fifth step is to implement the solution.  
 6. The sixth step is to evaluate the solution.

1. The following information is being provided to you for your information only. It is not intended to be used for any other purpose.

2. The following information was reviewed by the Committee on the basis of the information provided by the individual named above:

3. Treiber's Report - Carl Schmeckel:

-2-

9. Awards - Ben Patz: :Solid verllloed - brozo2 a'noimio2 .A

Outstanding Engineering Award nominations for 1985 from each Chapter are due by Jan. 8.

10. Florida Engineering Society Liason - R.C. Harden: No Report.

11. PACE - John Gilbert: Absent.

3. Public Relations - George McClure;

... visit it holder of office ...

7. Applications - Alex Varcon:

100-443887-1000

4. Government - John Gilbert Victor 11:2: No Report.

**9. Awards - Ben Patz:**

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**10. Florida Engineering Society Liason - R.C. Harden: No Report.**

**11. PACE - John Gilbert: Absent.**

George Taack attended one day PACE conference. A number of goals were set which include the 1 pg./month in Section Notes, set a science & technology office, 1 PACE meeting/yr., a PACE chairman in every section and others.

**12. Education - Fred Simons: Absent**

**13. Student Activities - Don Malocha:**

The IEEE shirts provided by the section to the TVRO student group leaders were distributed.

The students held one meeting with Dr. Robert Wagers, IEEE Fellow, from Texas Instruments speaking. Approximately 20 students and faculty attended.

The Student Senate voted \$600 for the TVRO student project.

**14. Membership Development - Woody Carter:**

Report attached.

**15. By-Laws - George McClure: No Report.**

**16. Historian- Russ Theisen: Absent**

Report attached.

**CHAPTER REPORTS**

**17. AEES - Dave Flinchbaugh**

Planning a Jan. 23 meeting. Speaker TBD.

**18. Communication - Madjid Belkerdid:**

Meeting planned for Jan. 28 as follows:

Speaker: Chuck Atwater

Topic: Cellular Radio

Place: Stromberg Carlson, Lake Mary

Time: Monday, Jan. 28, 1985, 7:30 pm.

Because of limited seating, resev. reqd. by Jan.21.

19. Computer Society - Steve Forsythe: No Report.  
20. Electron Device Society - Ralph M. Mindock: No Report.

21. MTT/AP - Fred Wilcox:

Nov. 15 Dr. Kessler from Texas Instruments spoke.  
19 attended of which 13 were IEEE members. Next meeting is  
planned for January with Mr. Jerry Hickmann from Scientific  
Atlanta speaking.

22. PE - Mike Haddad: No Report.

23. Student Branch IEEE - Steve McKenna: No report.

24. Student Chapter, Computer Society- Ron Krauskopf: No Report.

25. Unfinished Business:

Awards-motion to give plaques to outgoing executive committee  
members was tabled indefinitely.

26. New Business:

A section survey is being developed to better serve the  
interests and needs of the local members. Any who wishes to  
provide input, contact Conrad Blankenzee, 876-3577.

27. Meeting adjourned at 8:00 pm.

26. Time/Place of next meeting:

Jan. 8, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 and Colonial Drive )

disk:ieee  
file:ieeexcl0

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3

CONGRESS RESTORES TAX BREAK  
FOR EDUCATIONAL ASSISTANCE

Congress in October approved a bill to reinstate for two years the tax-free status of tuition provided by employers for educational assistance. The 1978 tax law creating this fringe benefit expired at the end of 1983. H.R. 2568 allows individuals to receive educational assistance, such as tuition benefits, from an employer without declaring the aid as income. The bill approved makes the provision retroactive to Dec. 31, 1983. According to its sponsor, Rep. James Shannon, it is supported by a wide and diverse group that includes educational associations, colleges and universities, corporations in every area from banking to high-tech, and labor unions. IEEE was included in the group.

Here is what the approved measure does:

The bill extends the exclusion for employee educational assistance for two years through 1985, subject to an overall annual limit of \$5,000 of excludable educational assistance benefits per employee. The bill waives penalties and interest for failure to withhold during 1984. In addition, the bill requires an employer with an educational assistance program to provide an annual information return on the plan to the Internal Revenue Service, and requires the Treasury Department to provide the tax-writing committees of the Congress with a study on the effect of the exclusion.

As explained by Chairman Dan Rostenkowski, the Ways & Means Committee, extended the program for only two years so that Congress could review it in the light of the information generated by the Treasury study. That study is due by October 1, 1985. Rostenkowski estimates that the revenue loss for FY 1985-87 will be \$186 million.

Another Ways & Means committee member, Rep. Jake Pickle, supports the principle of H.R. 2586 and another fringe benefit bill (group legal services) but--he said--"I do not believe that we should exempt these fringe benefits from employment taxes. In the next Congress, I expect a thorough review of employee fringe benefits from a Social Security and income tax perspective." Pickle heads the Social Security subcommittee of Ways & Means, which will examine the question of why there needs to be a Social Security tax exemption "to encourage the use of a fringe benefit that has nothing to do with the purposes of the Social Security program..."

He believes educational assistance benefits should be subjected to employment taxes and that, from the public policy viewpoint, "there is no compelling reason to have identical wage bases for social security and income tax purposes."

The companion bill in the Senate, which was sponsored by Sen. Bob Packwood, was approved Oct. 11. The senators did not discuss the tax base during the brief debate.

6

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
December 4, 1984

Checking Account Balance	
November 6, 1984 Treasurer's Report	\$3,025.58

Deposits:

12-1-84	IEEE Second Half 1984 Rebate, Check #130211, 10-30-84	\$1,166.63
12-1-84	Casselberry Senior Citizen's Center, Check #10371, 11-7-84, Security Deposit Refund	\$ 50.00
12-1-84	Whitman Engineering, Inc., Check #442, 10-30-84, Advertising	\$ 130.00
12-1-84	SOUTHEASTCON '83, Check #165, 10-21-84, Final Settlement	\$ 19.24
	Total Deposits	\$1,365.87

Disbursements:

#1157	Seminole House Printers, September Section Notes Invoice #7600, 9-17-84	\$ 389.02
#1158	F. A. Fluett, Executive Committee Meeting Refreshments	5.38
#1159	Ed Ellis, Postage, Centennial Issue Section Notes, 11-6-84 Statement	5.37
#1160	University of Central Florida, Invoice #083, 10-22-84 (Centennial Video Conference Refreshments)	24.94
#1161	Fred P. Wilcox, AP/MTT Dinner Meeting with Speaker, 10-18-84	20.65
#1162	Sally Mae Merry, Secretary PES/IA, 9-27-84 Dinner Meeting, Speaker, Bruce Bell	25.00
#1163	Seminole House Printers, November Section Notes Invoice #7801, 11-13-84	410.02
#1164	Altamonte Data Processing, Invoice #16048, 11-14-84	88.12
#1165	Russell E. Theisen, Reimbursement per 11-6-84 Statement	192.80
	Life Member Meeting	\$ 39.98
	Historian Expenses	82.82
	Caps & T-Shirts for Student	70.00
	Satellite Project Team	\$192.80
#1166	Professor Mischa Schwartz (via Dr. Madjid A. Belkerdid) Speaker's Travel Expenses per 11-7-84 Statement	263.53
	Total Disbursements	\$1,424.83

Summary:

Checking Account, 11-6-84 Report  
Plus Deposits

\$3.025.58

1,365.87

Subtotal

\$4,391.45

Less Disbursements

\$1,424.83

Checking Account, 12-4-84

\$2,966.62

Plus Dreyfus Fund (11-6-84 Report)

3,362.46

Total Funds

\$6,329.08

Respectfully submitted,

Carl F. Schunemann, Treasurer

## ORLANDO SECTION PUBLIC RELATIONS INITIATIVES PROPOSED

Two initiatives are proposed to aid in gaining visibility within the community for the Orlando Section. They are described below.

### I. SPEAKERS' BUREAU -- INITIAL COMPOSITION AND TOPICS

In view of the underwhelming response to the earlier notice in the Section Notes concerning the establishment of the Speakers' Bureau, the following plan is proposed.

1. The initial topics for speakers will include the IEEE Energy Program (with slides) and the IEEE Centennial Program (with slides). A third program, on the need for improvements in education, will be developed, under the guidance of the Education Committee, using the materials from IMPACT and other data.

Other topics may be contributed by individual speakers, but all speakers will have an opportunity to get familiar with the first three programs. The overall time allotted to a program delivery should range between 20 and 45 minutes, with the shorter period being suitable for luncheon groups, such as service clubs.

All members of the Executive Committee will be charter members of the Speakers' Bureau and will be invited to fulfill speaking requests as they are received, in rotation. Schedule conflicts with a particular invitation will be resolved by inviting another speaker on the list and offering the first speaker another opportunity.

The availability of speakers and their topics will be announced to service clubs through the Orlando Area Chamber of Commerce and other available channels by the Public Relations Committee, after a period during which the speakers will review the materials to be used.

Additional speakers and topics are welcomed; topics may be newsworthy or even controversial, but the presentation should be balanced. Speakers should not take personal stands and imply that these are IEEE positions. Actual IEEE positions on topics such as age discrimination, pension reform, nuclear power, and technology transfer may be conveyed in talks. Other topics such as the role of the computer in personalized networking and in electronic cottage industry may be offered by those speakers interested. Interpretations of electronic technology advances are useful program themes for general audiences and for high school engineering/science clubs.

To establish a sequence for routing the program materials, a signup sheet will be used, with each member of the executive committee expressing his order of preference for the first three topics (energy, centennial, education).

For school groups, the videotape of the Centennial Convocation at the Franklin Institute may be used (this videotape was made by the UCF Video Laboratory during the direct satellite broadcast).

## II. PARTICIPATION AS A PROFESSIONAL GROUP IN THE TAX ASSISTANCE PROGRAM

VITA, the Volunteer Income Tax Assistance program sponsored by the Internal Revenue Service, is looking for volunteers to help taxpayers with their 1984 tax returns. Since 1969, VITA has helped low-income, elderly, handicapped, and non-English-speaking people who have problems preparing their returns. Only simple returns will be involved, 1040EZ, 1040A, and a basic 1040 with Schedule A for deductions.

Volunteers must attend a training course in January or take a proficiency test to exempt them from the training. Members of professional groups are sought to participate in the program, as well as law and business students in college and civic group members.

Tammy White is the VITA coordinator at the IRS in Orlando.

### BUSINESS CARDS FOR EXECUTIVE COMMITTEE MEMBERS

In interacting with other groups on behalf of IEEE Orlando Section, business cards offer an easy way to remind others of your name and telephone number. The preparation of a blank business card, containing the IEEE logo and name of the Orlando Section in blue ink on white stock is proposed. Members of the executive committee could type their names and telephone numbers on these cards before passing them out. The Section may wish to establish an address for correspondence to be printed on the cards; this may be a P.O. Box number. Administration and checking of the box would become a responsibility of the section secretary or public relations committee.

George McClure  
12-4-84

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

November 9, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR NOVEMBER 1984

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>10-31-84</u>
A	New Election to Membership	15
B	Reinstatement to Membership	0
C	Arrears Paid	2
D	Address Change, Within Section	20
E	Moving Into Section	14
H	Transfer In Member Grade	2
I	Moving Out Of Section	8
K	Went Into Dues Arrears	0
M	Deceased	0
N	Change in Group or Society	22



W. C. Carter  
Membership Development Chairman

November 6, 1984  
Orlando Section Report  
Russ Theisen

I am unable to attend the Orlando Section meeting this month since I will be in Chicago conducting the Computer Society Area Activities meetings.

1. The pictures that were taken at the Life Member day are enclosed. These should be used for next months publication.

Costs to be reimbursed are:

Film	\$5.98 X 4 rolls	= \$23.92
Developing		\$16.06
Total		<u>\$39.98</u>

2. Southeastcon 83 Final Final Report

The Southeastcon 83 committee in an attempt to close out the Southeastcon 83 bank account voted to donate the remaining funds \$19.24 to the Orlando Section.

The enclosed check #155 made out to the Orlando Section in the amount of \$19.24 closes out the Southeastcon 83 account.

SENT TO CARL Schunemann 11/20/84

3. The historian submits a bill for the following expenses related to his post of Historian Orlando Section IEEE.

Expenses area as follows:

Postage	\$22.00	(1/2) 4 DRAWER CABINET — IEEE Regarding Centennial
Filing Cabinet space	\$50.00	
Telephone calls	\$ 5.50	
Visc. supplies	\$ 7.32	
Total	<u>\$82.82</u>	

4. The \$70.00 worth of caps and T-shirts have been ordered and paid for. They are enclosed and are to be picked up by the student committee representative. The 7 sets are to be distributed to the satellite antenna project participants.

Delivered to Don Malocha on Nov. 11, 1984	\$39.98
	\$82.82
	<u>\$70.00</u>
Total	\$192.80

Please send check for \$192.80 to Russ Theisen ,2667 Fitzhugh Road, Winter Park, FL 32792.

5. The Tutorial Week East 85 will be held March 25-29, 1985 at the Disney World Americana Dutch Resort Hotel. The enclosed brochure should be distributed to all Florida Sections. This notice should be displayed in the December, January, February issues of the Orlando Section Notes.

Respectfully submitted,

Russell E. Theisen, Historian Orlando Section

*Russell E. Theisen*

ATTENDEESIEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING

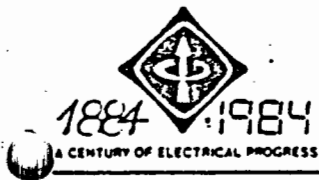
(NOTE: Use phone/address if change from that on record)

Name	(Address)	Bus. Phone	Home Phone
✓ Don Maloche	401 Bay Tract	275-2414	862-5623
✓ (No change) Geoffrey Dick	1014 Carvell Drive	356-2796	678-0979
✓ Michael Oleyan			
✓ WOODY CARVER		<del>356-2796</del>	
✓ George F. McClure		356-3782	647-5092
✓ CONRAD Blantensee		351-9485	876-3577
✓ Ed Ellis			
✓ Ben Patz		275-2816	855-3685
✓ David W. Horrigan Jr.		557-5300	357-6087
✓ George B. Taack Jr.			
✓ FRANK FLUET		✓	✓
✓ Fred P. Wilcox		✓	✓
✓ Alex Marton			293-4642
✓ DAVID E. FLINCHBAUGH		1-268-7252	859-4855

## Chairman's Notes

1. Attached is a recent update to the 'Educational Assistance' tuition reimbursement tax issue.
2. Also attached is the summary of Orlando Section Society membership as of Nov. 1984. (For comparison, the Oct. 1983 summary is included.) I have member mailing lists for each of the societies if anyone is interested.
3. Past Section Chairman Note: The RAB has approved a motion to reinstate the "Past Section Chairman's" pin and tie clasp and make them available to all past Section chairment at cost.

Frank Fluet  
12/4/84



IEEE

**SERVICE CENTER**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

SOCIETY/COUNCIL ABBREVIATION KEY

IN ORLANDO SECTION :

OCT 83	AS OF	NOV '84	
26	43	ASSP-01:	ACOUSTICS, SPEECH & SIGNAL PROCESSING
8	13	BT-02:	BROADCAST TECHNOLOGY
18	28	AP-03:	ANTENNAS & PROPAGATION
20	28	CAS-04:	CIRCUITS & SYSTEMS
3	5	NPS-05:	NUCLEAR & PLASMA SCIENCES
15	14	VT-06:	VEHICULAR TECHNOLOGY
12	16	R-07:	RELIABILITY
15	20	CE-08:	CONSUMER ELECTRONICS
9	12	IM-09:	INSTRUMENTATION & MEASUREMENT
33	44	AES-10:	AEROSPACE & ELECTRONIC SYSTEMS
7	10	IT-12:	INFORMATION THEORY
8	9	IE-13:	INDUSTRIAL ELECTRONICS
28	33	EM-14:	ENGINEERING MANAGEMENT
16	18	ED-15:	ELECTRON DEVICES
257	292	COMP-16:	COMPUTER
23	33	MTT-17:	MICROWAVE THEORY & TECHNIQUES
3	11	EMB-18:	ENGINEERING IN MEDICINE & BIOLOGY
66	80	COMM-19:	COMMUNICATIONS
14	24	SU-20:	SONICS & ULTRASONICS
7	13	CHMT-21:	COMPONENTS HYBRIDS & MANUFACTURING TECHNOLOGY
13	14	OE-22:	OCEANIC ENGINEERING COUNCIL
20	22	CS-23:	CONTROL SYSTEMS
13	-	RA-24:	COUNCIL ON ROBOTICS & AUTOMATION
5	8	ED-25:	EDUCATION
11	7	PC-26:	PROFESSIONAL COMMUNICATION
6	12	EMC-27:	ELECTROMAGNETIC COMPATIBILITY
2	11	SMC-28:	SYSTEMS, MAN & CYBERNETICS
8	6	GRS-29:	GEOSCIENCE & REMOTE SENSING
52	10	SIT-30:	SOCIAL IMPLICATIONS OF TECHNOLOGY
4	61	PE-31:	POWER ENGINEERING
5	6	EI-32:	ELECTRICAL INSULATION
13	8	MAG-33:	MAGNETICS
10	21	IA-34:	INDUSTRY APPLICATIONS
	-	PEC-25:	POWER ELECTRONICS COUNCIL
	13	QEA-36:	QUANTUM ELECTRONICS

ILLING Ordered by F. FLUET  
Shipped to SAME  
Description SEPERATE LISTINGS OF EACH SOCIETY  
IN THE ORLANDO SECTION, ALPHA.SORT.  
Work Order No. 278

*Handwritten signature*

12/4/84

ORLANDO EXECUTIVE COMMITTEE

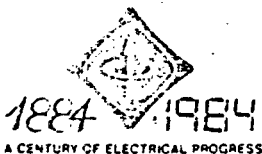
	<u>1983/1984 OUTGOING</u>	<u>1984/1985 INCOMING</u>
Chrmn	Ed Ellis	Frank Fluets
V. Chrmn	Frank Fluets	George Taack
Sec.	George Taack	Don Malocha
Treas.	Carl Schunemann	Carl Schunemann
Ch. Chrmn	Geof Dick	Geof Dick

STANDING COMMITTEE

Jr. Past Chrmn	Mannie Connell	Ed Ellis
Sr. Past Chrmn	Ben Patz	Mannie Connell
Programs	George Taack	George Taack Conrad Blankenzee
P.R. Chrmn	George McClure	George McClure
Publications Editor	Al Fowler	Alex Marton
Adv. Mgr.	Bill Kownacki	John Gilbert Victor Alas
Awards	Joe Massett	Ben Patz
Fla. Eng. Soc. Liaison	-----	Richard Harden
PACE	John Gilbert	John Gilbert
Stud. Act.	Richard Miller	Don Malocha
Educ.	Fred Simons	Fred Simons
Memb. Dev.	Deen Khandelwal	Woody Carter

SPECIAL COMMITTEES

Centennial	Deen Khandelwal	Deen Khandelwal
ByLaws	E. E. Erickson	George McClure
SOUTHCON '86	Bruce Matthews	Bruce Matthews
Historian	Russ Theisen	Russ Theisen
Member-at-Large	Bill Cram	Joe Massett



8A

IEEE

## SERVICE CENTER

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

MEMORANDUM

TO: Section Chairmen

November 28, 1984

FROM: William C. Hunter, Coordinator, Membership Development *WCH*

A telemarketing experiment is being conducted during December by IEEE to renew Fellow, Senior Member, Member, and Associate grade members who went into dues arrears for 1984.

Your Section has been chosen as one of the Sections in which this telephone renewal experiment is being conducted. Only arrears members with phone numbers on their member record will actually be contacted. The sole purpose of this experiment is to contact these former members for renewal of their membership and to mail them any additional IEEE information they may request. No other purpose is intended and no non IEEE sales efforts are authorized. The experiment will be conducted from December 1, 1984 and will end on or before December 22, 1984.

IEEE has contracted C. Frederic Raker Inc., to carry out this arrears renewal experiment. The results will be measured against control Sections where no phone renewal effort will take place and a report will be issued on the results of this experiment in late February. Wherever possible, information or reasons for non renewal will be gathered to be included in a final experiment report. As a participating Section, you will receive a copy of the final report when it is issued.

Should you receive any complaints or inquiries from arrears members contacting you, you may have them write to, IEEE Membership Development, 445 Hoes Lane, Piscataway, NJ 08854 or phone (201) 981-0060 ext. 301.

If you can inform Section officers that this is an authorized IEEE membership effort I would appreciate it. Thank you again for your support.

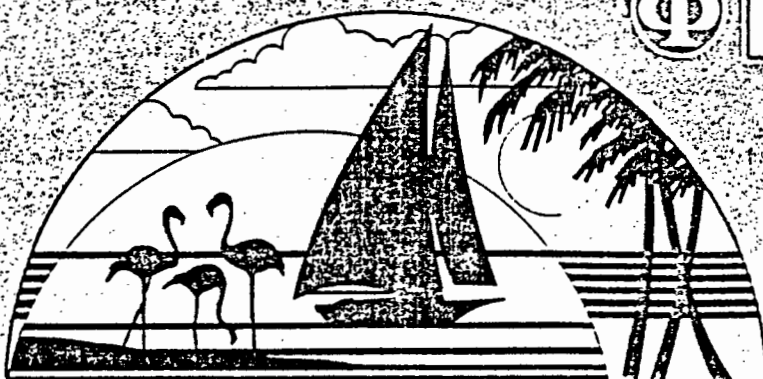
WCH/jm

cc IEEE Section/Council Officers

Advance Arrangements

# Tutorial Week 85

## Φ EAST



**A solid week of tutorials in 3 tracks • March 25-29, 1985**

Attendance limited to 100 per tutorial. Advance registration discount deadline: March 15, 1985.

MONDAY, MARCH 25 TUESDAY, MARCH 26 WEDNESDAY, MARCH 27 THURSDAY, MARCH 28 FRIDAY, MARCH 29

<p>①</p> <p>Expert Systems Overview Kamran Parsaye</p>	<p>②</p> <p>Microcomputer Overview Margaret Eggers</p>	<p>③</p> <p>Design for Testability Constantin C. Timoc</p>	<p>④</p> <p>VLSI Technologies and Computer Graphics Henry Fuchs</p>	<p>⑤</p> <p>Computer Graphics John Staudhammer</p>
<p>⑥</p> <p>Programming Productivity: Issues for the 80's Capers Jones</p>	<p>⑦</p> <p>Software Management Donald J. Reifer</p>	<p>⑧</p>	<p>⑨</p> <p>Automated Tools for Software Engineering Edward Miller</p>	<p>⑩</p> <p>Software Testing Edward Miller</p>
<p>⑪</p> <p>The C Programming Language Alan Feuer</p>	<p>⑫</p> <p>The UNIX Operating System John Carson</p>	<p>⑬</p> <p>Ada Joseph Urban</p>	<p>⑭</p> <p>Modula 2 Winsor Brown</p>	<p>⑮</p> <p>Prolog Doug De Groot</p>

**Register NOW!**  
Select up to one tutorial per individual per day

Fees*	Member	Non-Member
Advance Registration (Postmarked prior to 3/15/85)		
All Week	\$675	\$850
Software Management	\$275	\$350
Per Tutorial	\$150	\$185
Late Registration (Postmarked after 3/15/85)		
All Week	\$775	\$950
Software Management	\$325	\$395
Per Tutorial	\$175	\$210

\*Includes Coffee breaks, notes, and luncheon

Hotel Accommodations  
Reserve your room now  
(After February 15, 1985 rooms available on a first come first served basis)

Contact:  
Americana Dutton Resort Hotel  
Disney World, 1850 Hotel Plaza Blvd  
Lake Buena Vista, FL 32830  
Telephone (800) 228-3278

Rates: \$74 (Single or Double)

Mail to: Tutorial Week East 85, Box 639, Silver Spring, MD 20901  
(301) 589-8142 • TWX: 7108250437 IEEE COMPSSO

☐ I am interested in the following tutorials (please circle numbers)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Please mail me the complete program announcement.

☐ I want to register right now. Enclosed is \$\_\_\_\_\_ to reserve space at the following tutorials (circle numbers as appropriate):

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

☐ Check enclosed ☐ VISA/BankAmericard ☐ Master Charge

Card No \_\_\_\_\_ Exp \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_  
Name \_\_\_\_\_ IEEE or IEEE-CS Membership No \_\_\_\_\_  
Street Address \_\_\_\_\_  
City State Zip \_\_\_\_\_



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
345 EAST 47TH STREET, NEW YORK, N.Y. 10017, U.S.A. TELEX 236411

DIRECT NUMBER (212) 705-7895

November 5, 1984

Mr. Frank A. Fluet  
IEEE Orlando Section Chairman  
96 Sweetbriar Branch  
Longwood, FL 32779

Dear Mr. Fluet:

Please be advised that the IEEE Computer Society will sponsor a conference entitled, "IEEE Computer Society Tutorial Week East 1985," which will be held on March 25-29, 1985 at the Americana Dutch Resort Hotel, in Lake Buena Vista, Florida.

For further information, please contact Professor Brian Petrasko, Conference Chairman, at (305) 275-2549 or the IEEE Conference Services Office at IEEE Headquarters.

Sincerely Yours,

*Patricia Joseph*

Patricia Joseph  
Ass't to the Administrator  
Conference Services

cc: Prof. B. Petrasko  
Mr. H. Hayman  
Dr. C. R. Vick  
Mr. G. F. McClure  
Mr. R. S. Duggan, Jr.

12/4/84

To Franck F/ueh

re: December 4<sup>th</sup> Meeting

I am going to be late  
to the meeting. I am asking  
Don Malocha to represent  
me.

Sincerely

~~Melvin Bell~~



IEEE

**SERVICE CENTER**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

November 1984

Dear Section Student Activities Chairman:

Once again, your help as a Section SAC Chairman will be instrumental in establishing and maintaining active relations with the Student Branch(es) in your Section. Student Branch Counselors were sent the first annual fall promotional package in August. A second promotional package is being sent this month. Enclosed is a list of the Branches in your Region for your information. Please let us know immediately if corrections need to be made on the Branches listed in your Section. Please also note that Student Branch Operations Guides are available upon request for interested individuals.

In the past, Sections have helped Student Branches by: offering to speak and/or suggest other Section members to speak at a Student Professional Awareness Conference (S-PAC); helping plan tours of local industry; encouraging student representation on the Section Executive Committee; reminding the Section of the \$1.50 per Student member they receive in the Section rebate; organizing a "Day with an Engineer" program; or getting involved in paper, design or device contests.

Also enclosed for your information is a copy of the Student Activities Guide for Sections. As Section SAC Chairman, you can be that important link between members of your local Student Branch(es) and members of your Section. Your assistance in implementing and encouraging Section/Branch activities is enthusiastically supported by the Student Activities Committee and the entire Institute. If we can provide any assistance to you or if you have any suggestions, please feel free to contact us.

Sincerely,

Mark M. Lucas  
Field Services

MML:ljs

cc: Regional Director  
Regional SAC Chairman  
Section Chairman



See'

# UNIVERSITY OF CENTRAL FLORIDA

COLLEGE OF EXTENDED STUDIES

ORLANDO, FLORIDA 32816-0177 (305) 275-2123

November 16, 1984

Karen A. Kiyak  
IEEE  
445 Hoes Lane  
Piscataway, New Jersey 08854

Dear Ms. Kiyak,

Following receipt of your letter of November 12, 1984, I call you to clarify the charges for the IEEE Video Conference on "Integrated Manufacturing Systems" which we are co-sponsoring with the Orlando Section of the IEEE.

In our letter of October 10, 1984, we proposed that UCF and the IEEE share equally in net income with a maximum income for the IEEE of \$600.00. Net income is defined as the total income from registrants less rebates given to attendees who became members of the IEEE.

The enclosed IEEE Satellite Broadcast Site Commitment has been modified to reflect the conditions set forth above.

We appreciate your assistance and cooperation in support of the IEEE Video Conference program at UCF. We are looking forward to a successful program.

Sincerely,

V. Amico  
Coordinator

GVA/ml

cc: Dr. Mathews UCF  
Dr. Simmins UCF  
Frank Fluet Central Florida Section IEEE ✓

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
December 4, 1984

AGENDA

- |  |                                |
|--|--------------------------------|
| 1. Introductions & Review Agenda                                       | Frank Fluet                    |
| 2. Approval of previous minutes.                                       | Don Malocha                    |
| 3. Treasurer's Report  | Carl Schunemann                |
| 4. Chapters Chairmen Representative                                    | Geof Dick                      |
| 5. Standing Committee Reports  |                                |
| a. Programs  | George Taack/Conrad Blankenzee |
| b. Public Relations  | George McClure                 |
| c. Publications  | Alex Marton                    |
| d. Advertising   | John Gilbert/Victor Alas       |
| e. Awards  | Ben Patz                       |
| f. Florida Engineering Soc. Liaison                                    | Richard Harden                 |
| g. PACE  | John Gilbert/George Taack      |
| h. Student Activities  | Don Malocha                    |
| i. Education   | Fred Simons                    |
| j. Membership Development  | Woody Carter                   |
| 6. Special Committees  |                                |
| a. By-Laws   | George McClure                 |
| b. Historian   | Russ Theisen                   |
| c. Centennial  | Deen Khandelwal                |
| d. SOUTHCON '86  | Bruce Mathews                  |
| e. Member-at Large   | Joe Massett                    |
| 7. Break (10 min)  |                                |
| 8. Chapter Reports   |                                |
| a. Aerospace and Electronic Systems Society                            | Dave Flinchbaugh               |
| b. Communications Society  | Madjid Belkerdid               |
| c. Computer Society  | Steve Forsythe                 |
| d. Electron Devices Society  | Ralph M. Mindock               |
| e. Antennas and Propagation/Microwave Theory<br>and Techniques Society | Fred Wilcox                    |
| f. Power Engineering/Industry Applications<br>Society                  | Michael Haddad                 |
| g. Student Branch IEEE   | Steven D. McKenna              |
| h. Student Chapter, Computer Society                                   | Ron Krauskopf                  |
| 9. Unfinished Business   |                                |
| a. Awards (Plaques) for Outgoing Officers                              |                                |
| 10. New Business   |                                |
| a. Discuss Section Survey  | Conrad Blankenzee              |
| b. Chairman's Notes  | Frank Fluet                    |
| 11. Time/Place of Next Meeting   |                                |
| 12. Adjourn  |                                |

Quorum: 6:00 PM  
1st 35 people.

## New Business

a) Section Survey Quest.

Treasurer's report.

UCF check's record.

4. Chapter's Chairman

In bulletin

High Tech Meeting for Dec. 5.  
Set in meeting dates.

Minutes approved.

Treasurer's report approved.

## B. a) Programs.

### b) Public Relations - Speakers Bureau

- i) TEEF slides need be located
- ii) Centennial slides avail.
- iii) improv. in science & math - need to prepare text or program.
- iv) enroll all Executive Committee
- v) promote speaking engagements in civic org & schools.
- vi) IRS - assistance to low income, disabled, etc. to assist in tax return
- vii) Once active, need simple way to give cards, TEEF logo w/ blank in middle. Suggestion to see if cards can come from H.Q. Attachment enclosed.

### c) Publications -

One week from today for deadline.

### d) Advert. - no report

### e) Awards - Ben Putz

#### i) Outstanding Eng Award

nominations due <sup>Jan. 8</sup> ~~Jan. 8~~ from each Chapter

S.E. For (ii) Outstanding Eng. <sup>Jan. 8</sup> ~~Jan. 8~~ D. Malochu

Florida " " Educ. - B. Petrasko

Council " " Serv. - L. Taack

Region f) FES - no report Feb. 23 Eng. meeting

g) PACE - B. Taack went to one day conference.

g) ~~cont~~ <sup>goal</sup> 1 page add / mo.

set Science & Tech Office.

Pace Chairman in every reg.

at least one

1 Pace meeting / yr

ext Pace libr

speakers ~~60000~~

h) Stud. Actv - shirts were distrib.

speaker: B. Wagers, IEEE Fellow, T.I.

satellite proj. continuing

Student Senate voted: \$600.<sup>00</sup>

Harris donated system - not yet recd.

i) Educ. Simons - no report

j) Woody Carter - report attached

S:U / ASSP - Malocha will make call

6 a) By Laws - no report

b) Historian - report provided

c) Centennial - Dean absent

sent Cent issue to Pace

USAB / Wash

H. Q. / Piscataway

d) Aoutcon '86 - no report

8. a) AESS - Jan. 23 meeting

Space Tech Conf.: IEEE AESS, IE, Comm to field  
Sept. 23-25, 1985

b) Comm. - Motorola - consult. serv. provided  
Chuck Atwater

c) C.S. - no report.

IEEE Computer Society Tutorial Week East  
1985.

d) ED - no report

e) AP/MTT - 19 attended, 13 members

Gerald Hickmann from Scient. Atlanta  
2nd or 3rd Thurs in Jan. @ ~ 5:30 pm.

f) PE/IAS -

g) > No report  
h)

9. Unfinished Business

a) Awards - motion to table indefinitely  
M. O. Gyar second.

10. New Business

a) Survey - need to dev. ?

Needs & interests to better serve.

No, How to get better Chap meeting attend.

If we extend service, will you help serve.

Conrad Blankenbiller - 876-3577

11. Adjourned: 8:00 pm.

6) Student seed money gone;  
letter of request to local companies  
to establish student support fund.  
Draft letter

9 OF 17 '0'  
FOR  
CONCORD

# IEEE ORLANDO EXECUTIVE COMMITTEE EXECUTIVE BOARD

Chairman  
Vice Chairman  
Secretary  
Treasurer  
Chapters Chairman

Frank Fluet  
George Taack  
Don Malocha  
Carl Schunemann  
Geoffrey Dick

Business  
843-7030  
244-1389  
275-2414  
356-7207  
356-2796

Home  
339-8305  
321-0319  
862-5693  
647-4992  
678-0979

Jr. Past Chairman  
Sr. Past Chairman  
Programs  
Public Relations Chairman  
Publications  
Awards  
Fla. Eng. Soc. Liaison  
Prof. Act. Comm.  
Student Act. Comm.  
Education  
Membership Develop.

## STANDING COMMITTEE CHAIRMEN

T.E. (Ed) Ellis  
Mannie Connell  
Conrad Blankenzee  
George McClure  
Alex Marton  
William Kownacki  
Ben Patz  
Richard Harden  
John Gilbert  
Don Malocha  
Fred O. Simons  
Woody Carter

244-1203  
351-9485  
356-3782  
629-5591  
275-2318  
275-2816  
855-0881  
365-2363  
275-2414  
275-2405  
843-7030

834-3319  
273-8588  
826-3577  
647-5092  
293-4642  
365-5818  
855-3685  
855-5775  
859-5492  
862-5693  
678-1796  
831-4591

## SPECIAL COMMITTEES

SOUTHCON  
Advertising Manager  
Historian  
Member at Large  
Centennial

Bruce E. Mathews  
John Gilbert  
Russell E. Theisen  
William C. Cram  
Deen Khandelwal

275-2156  
365-2363  
356-4320  
647-4123  
356-2583

645-0549  
859-5492  
671-4139  
647-4123  
277-5959

## SOCIETY CHAPTER OFFICERS

AES  
COMMSOC

Chmn. Dave Flinchbaugh  
Chmn. Madjid A. Belkerdid  
V. Chmn. Michael Harris  
Secy. Mike Oleyar  
Chmn. Steve Forsythe  
Mbr. V. Chmn. Jorge Medina  
Chmn. Ralph M. Mindock  
Mbr. V. Chmn. Donald C. Malocha  
Prog. V. Chmn. Dick Zanowick  
Chmn. Fred Wilcox  
Chmn. Michael V. Haddad  
V. Chmn. Avelino Gonzalez  
Secy. Sally M. Merry  
Chmn. Steve McKenna  
Chmn. Ron Krauskopf  
Treas. Don Vincent

1-268-7252  
275-2787  
275-2787  
628-9884  
244-1166  
834-9600  
862-8182  
275-2414  
356-2914  
356-2328  
281-2393  
281-2982  
275-2786

859-4855  
273-8527  
671-1849  
876-3582  
830-8553  
277-8329  
862-7764  
862-5693  
645-0831  
857-0098  
851-3719  
365-6812  
629-1901  
277-1396  
677-4213  
678-4603

The Executive Committee meets the first Tuesday of each month, except July, at AUTOMATION INTELLIGENCE, INC., 1200 W. COLONIAL DRIVE (corner of 441 and Colonial), at 5:30 p.m. All IEEE members are welcome to attend.



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC

PLEASE REPLY

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

November 18, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, December 4, 1984

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section

-2-  
**IEEE Executive Committee Meeting  
Orlando Section**

Date: November 6, 1984

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	George B. Taack, Jr. Don Malocha Fred Wilcox Don Malocha Mickey Mindock Alex Marton David Flinchbaugh Carl Schunemann Mike Harris	Frank Fluet Ed Ellis Conrad Blankenzee Bill Kownacki Geoff Dick Mike Haddad John Gilbert Mike Oleyar Madjid Belkerdid
------------	---	---

**MINUTES:**

1. Meeting called to order at 6:00 pm by Frank Fluet, Chairman.  
The necessary quorum was present.
2. The Sept. minutes were reviewed by attendees. A motion was made to accept the minutes and was seconded. Motion passed.
3. **Treasurer's Report - Carl Schunemann:**  
Treasurer's report dated Nov. 6, 1984 is attached.
4. **Chairman's Report - Geoffrey Dick:**  
Note Central Florida Council for High Technology announcement on Dec. 5. Letter from M. Mindock is attached.
5. **Programs - George Taack/Conrad Blankenzee:**  
The IEEE convocation was held at UCF via satellite on Oct. 8. There were 16 attendees and a cost of \$44.94.  
Nov. 1 meeting: Speaker Mischa Schwartz  
Largest meeting of section to date. Attendance was 115 with 60 IEEE members. 83 students attended. Student subsidy allowance for the year has been depleted. Will look for outside support.
6. **Public Relations - George McClure: No report.**
7. **Publications - Alex Marton:**  
Please get all announcements for publication in by 2nd week of the month.

**8. Advertising - Geoff Dick:**

Potential advertisers have been contacted and new advertiser's numbers will grow. Past advertising billings will be reviewed.

**9. Awards - Ben Patz: No Report.**

**10. Florida Engineering Society Liason - R.C. Harden: No Report.**

**11. Pace - John Gilbert:**

No new activities.

**12. Education - Fred Simons: Absent**

UCF and IEEE will sponsor the Integrated Manufacturing Systems Conference being offered Dec. 4, 1984. This is a live video conference.

**13. Student Activities - Don Malocha:**

Student TVRO satellite project is progressing. Donations of \$450.00 have been obtained from outside sources.

Students can use any additional financial or professional help from any members.

**14. Membership Development - Woody Carter: No Report.**

**15. By-Laws - George McClure: No Report.**

**16. Historian- Russ Theisen: No Report.**

**CHAPTER REPORTS**

**17. AEES - Dave Flinchbaugh**

Will try to establish January meeting with a speaker from the KSC atronout program.

**18. Communication - Madjid Belkerdid:**

January meeting is being planned.

**19. Computer Society - Steve Forsythe: No Report.**

**20. Electron Device Society - Ralph M. Mindock:**

January meeting is being planned with the ED national lecturer. Note attached letter on High Technology Council.

21. MTT/AP - Fred Wilcox:

Nov. 15 Dr. Kessler from Texas Instruments will speak on Radar Signature Techniques. Last months meeting was successful with 13 people attending.

22. PE - Mike Haddad:

Nov. 13 is a joint meeting with the West Coast Section organizational meeting.

23. Student Branch IEEE - Steve McKenna: No report.

24. Student Chapter, Computer Society: No report.

25. Meeting adjourned at 8:00 pm.

26. Time/Place of next meeting:

Dec. 4, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 and Colonial Drive )

disk:ieee  
file:ieeexc09

SULLY (IC)												
ACTIVE ADDRESSHIP	09/30/80	0	0	5	33	99	0	29	556	11	1	40
ADDITIONS												
ELECTIONS		0	0	0	0	0	0	0	2	0	0	0
APPEALS PAID		0	0	0	0	0	0	0	1	0	0	0
REINSTATEMENTS		0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO		0	0	0	0	0	0	0	1	0	0	0
MOVED INTO SECTION		0	0	0	1	0	0	0	0	0	0	0
CORRECTIONS TO		0	0	0	0	0	0	0	0	0	0	0
TOTAL ADDITIONS		0	0	0	1	0	0	0	12	0	0	0
DELETIONS												
DESIGNED		0	0	0	0	0	0	0	0	0	0	0
DECREASED		0	0	0	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM		0	0	0	0	0	0	0	0	1	0	0
MOVED OUT OF SECTION		0	0	0	0	0	0	0	5	0	0	0
CORRECTIONS FROM		0	0	0	0	0	0	0	0	0	0	0
TOTAL DELETIONS		0	0	0	0	0	0	0	5	1	0	0
ACTIVE PRIOR YEAR 10/31/83		0	9	3	33	93	0	20	531	4	2	41
ACTIVE THIS MONTH 10/31/84		0	6	5	34	99	0	29	563	10	1	40
LOSS/GAIN		0	3	2	1	4	0	9	32	6	1	1
LOSS/GAIN PERCENTAGE		00	33.33	66.66	3.03	6.45	00	45.00	6.02	150.00	50.00	2.43
APPEALS PRIOR YEAR 10/31/83		0	0	0	0	2	0	0	39	0	0	3
APPEALS THIS MONTH 10/31/84		0	0	0	0	3	0	0	31	0	0	11
DESIGNED PRIOR YEAR 10/31/83		0	0	0	0	0	0	0	0	0	0	0
DESIGNED THIS MONTH 10/31/84		0	0	0	0	0	0	0	1	0	0	0

	1ST YR GRAD		2ND YR GRAD		3RD GRAD 1ST YR		STUDENT	GRAND TOTAL
	A	B	A	B	A	B		
ACTIVE MEMBERSHIP 09/30/84	0	0	0	16	1	104	78	219
ADDITIONS								
ELECTIONS	0	0	0	0	0	0	13	15
APPEALS PAID	0	0	0	0	0	0	1	2
REINSTATEMENTS	0	0	0	0	0	0	0	0
GRADE TRANSFERS TO	0	0	0	0	0	0	1	2
Moved INTO SECTION	0	0	0	0	0	5	0	14
CORRECTIONS TO	0	0	0	0	0	0	0	0
TOTAL ADDITIONS	0	0	0	0	0	5	15	21
DELETIONS								
DESIGNED	0	0	0	0	0	0	0	0
DECREASED	0	0	0	0	0	0	0	0
GRADE TRANSFERS FROM	0	0	0	0	0	1	0	2
Moved OUT OF SECTION	0	0	0	0	0	2	1	4
CORRECTIONS FROM	0	0	0	0	0	0	0	0
TOTAL DELETIONS	0	0	0	0	0	3	1	10
ACTIVE PRIOR YEAR 10/31/83	0	0	0	26	3	94	51	210
ACTIVE THIS MONTH 10/31/84	0	0	0	16	1	106	92	1002
LOSS/GAIN	0	0	0	10-10	2-	12	41	92
LOSS/GAIN PERCENTAGE	.00	.00	.00	38.46-	64.66-	12.74	80.33	10.10
APPEALS PRIOR YEAR 10/31/83	0	0	1	3	0	12	1	71
APPEALS THIS MONTH 10/31/84	0	0	0	0	0	25	0	88
DESIGNED PRIOR YEAR 10/31/83	0	0	0	0	0	0	0	0
DESIGNED THIS MONTH 10/31/84	0	0	0	0	0	0	0	2

Chairman's Notes

11/4/84

1. We welcome Victor Alas, our new member of the Publication Committee. Victor will co-chair the committee with John Gilbert. Victor works at United Telephone Company. Mailing address and phone is:

Victor M. Alas, Jr.  
377 Springdale Dr.  
Altamonte Springs, FL  
830-3326/788-6768 B/H 32701

2. Publication costs of the Centennial Issue of the Section Notes ran over budget. We had budgeted \$1400 for 1100 copies; however, actual expenses were approximately \$2080 for 1300 copies.

3. Dr. Harms Wolff has donated a number of artifacts from early radio, radar and electronics history. We would like suggestions for the best way to display them. Dr. John Ryder, at the meeting of Life Fellows, suggested IEEE headquarters, or the Smithsonian. Is there any Educational, Public Service or Industry display case that could make use of this resource? Please direct suggestions to Deen Khandwal or me.

4. At the October 20th meeting of Life Fellows in celebration of the IEEE Centennial, 18 cups ("I AM AN ORLANDO SECTION MEMBER") were awarded as door prizes and were very well received and appreciated by the Life Fellows and their spouses.

5. George Taack will be representing our section at the Region 3 PACE Conference, Saturday, November 17, in Charleston, SC.

6. Deen Khandelwal would like to locate all the special Centennial Historical posters. Some of them were loaned to various individuals. If you have any, please notify Deen.



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

October 18, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR OCTOBER 1984

Letters of welcome were sent to the 'A' and 'E' categories below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	9-30-84
A	New Election to Membership	22
B	Reinstatement to Membership	1
C	Arrears Paid	0
D	Address Change, Within Section	15
E	Moving Into Section	16
H	Transfer In Member Grade	36
I	Moving Out Of Section	10
K	Went Into Dues Arrears	0
M	Deceased	1
N	Change in Group or Society	0

*W.C. Carter*

W. C. Carter  
Membership Development Chairman

84-084

November 6, 1984

Mr. Frank Fluet  
Chairman  
IEEE Orlando Section

Dear Frank:

The Central Florida Council for High Technology, Inc. is a non-profit organization that was incorporated this summer in order to:

- 1). stimulate, encourage, advance and promote the start up and expansion of technologically oriented businesses in the Central Florida area.
- 2). provide information and educational programs for the benefit of those having a business, financial or professional interest in technologically oriented businesses in the Central Florida area.

The Council is planning a "Get Acquainted" cocktail hour at the House of Beef on December 5, 1984 from 5:00 p.m. until 11:00 p.m. We are inviting various organizations such as the Industrial Development Commission, The Small Business Development Center, engineering societies, inventor societies and venture clubs to participate by manning a table, answering questions and providing information and/or literature to those attending the cocktail activity.

There will be no admission fee for individuals attending the function. There is no fee for an organization to participate. The Central Florida Council for High Technology will pay the expenses for the meeting in an effort to introduce itself to the community. There will be a cash bar for cocktails.

The Central Florida Council for High Technology would like to invite the Orlando Section of the IEEE to participate on December 5, 1984 and would like to request permission to list the organization as one of the participants in its promotions for the meeting.

Sincerely,

*Ralph M. Mindock*

Ralph M. Mindock  
President  
Central Florida Council for High Technology, Inc.

RMA/sm

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
NOVEMBER 6, 1984

Checking Account Balance  
October 2, 1984 Treasurer's Report

\$393.28

Deposits:

10-3-84	Dreyfus Fund Withdrawal Check #1	\$3,000.00
10-31-84	Communications Society Dinner Meeting Tickets Receipts	616.00
10-31-84	Communications Society Dinner Meeting Tickets Receipts	285.00
10-31-84	Techtronix, Inc. Ck. #367086 March & April 1984 Newsletter Add	130.00
10-31-84	IEEE 1st Half Rebate Ck. #129921	988.37
10-31-84	Dreyfus Fund Withdrawal Check #2	4,000.00
Total Deposits		\$9,019.37

Disbursements:

#1147	Casselberry Senior Citizens Center, Life Members Meeting, 5 Hours @ \$15 Per Hour	\$75.00
#1148	Altamonte Data Processing, Invoice #15936 Dated 9-24-84	81.86
#1149	University of Central Florida Invoice #307, Acct. No. 033505263 (Dialogues on High Technology)	\$1,329.10

Disbursements (Continued):

#1150	XI KAPPA LAMBDA Life Members Mtg. Luncheon 40 @ \$3.50	\$140.00
#1151	Altamonte Data Processing Invoice #15979 Dated 10-12-84	90.01
#1152	Seminole House Printers Special Souvenir Issue, Oct. '84 Invoice #7682 Dated 10-9-84	2,165.94
#1153	Orlando Airport Marriott 11-1-84 Communications Society Dinner Meeting	2,467.99
#1154	Donald O. Malocha Secretary's Stamp Expenses Aug. & Sept. Exec. Com. Minutes	11.00
#1155	W. C. Carter IEEE Postage Stamps	20.00
#1156	F. A. Fluet 11-3-84 Exec. Com. Mtg. Refreshments	6.17
Total Disbursements		\$6,387.07

Summary:

Checking Account Balance, 10-2-84	\$393.28
Plus Deposits	9,019.37
Sub-Total	9,412.65
Less Disbursements	6,387.07
Checking Account Balance, 11-6-84	3,025.58
Dreyfus Fund Balance, 9-28-84	10,362.46
Less Withdrawals (See Checking Acct. Deposits)	7,000.00
Current Dreyfus Fund Balance	3,362.46
Total Funds:	
Dreyfus Fund	\$3,362.46
Checking Account	3,025.58

Total \$6,388.04

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer



STATEMENT OF REBATE  
MARCH 1984

SECTION: ORLANDO

BOCODE: 03 05 51

ANNUAL CREDITS:

SECTION BASIC ALLOWANCE .....	\$	200.00
Section Member Rebate: (Higher Grade)	849	
Student Member Rebate:	64	
Filiates: (of Societies)	45	
Total:	978	
Rebate for First 200 of Total	200 @ \$ 3.00 each .....	\$ 600.00
Rebate for remainder of Total	778 @ \$ 1.50 each .....	\$ 1,167.00
New Members Elected 1983: (N.G.)	33 @ \$ 6.00 each .....	\$ 198.00
Section Technical Conference: (One)	0 @ \$100.00 .....	\$ 0.00
Section Meeting Rebate:	4 @ \$ 20.00 each .....	\$ 80.00
Subsection Meeting Rebate:*	0 @ \$ 20.00 each .....	\$ 0.00
Chapter Meeting Rebate:*	18 @ \$ 20.00 each .....	\$ 360.00
Chapter Member (N.G.)/Affil. Rebate:*	383 @ \$ 0.70 each .....	\$ 268.10
*****		
TOTAL ANNUAL 1984 REBATE .....	\$	2,873.10
March 1984 Rebate .....	\$	1,436.55

LESS DEDUCTIONS:

Charges for Services and Supplies July - December 1983 (Details Attached) .....	\$	(448.18)
Net MARCH 1984 REBATE PAYMENT .....	\$	988.37

Date Received  
at IEEE

1983 FINANCIAL REPORT

9/12/84

1983 MEETING REPORT

11-14/83



IEEE

SERVICE CENTER  
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0080

1984 IEEE STATEMENT OF REBATE  
CHAPTER ACTIVITIES

SECTION: ORLANDO

Society Chapter Code	Number (N.G.) & Affil. Rebate @ \$ .70	Meeting Rebate @ \$20.00	Total
COM-19	68 Members - \$ 47.60	2 Meetings - \$ 40.00	\$ 87.60
AP03/MTT17	48 Members - \$ 33.60	3 Meetings - \$ 100.00	\$ 133.60
ED-15	14 Members - \$ 9.80	8 Meetings - \$ 160.00	\$ 169.80
COMP-16	233 Members - \$ 177.10	3 Meetings - \$ 60.00	\$ 237.10
MPK31/IA-34	0 Members - \$ 0.00	0 Meetings - \$ 0.00	\$ 0.00
TOTALS	383 Members - \$ 268.10	18 Meetings - \$ 360.00	\$ 628.10

Each Chapter Must hold two (2) meetings annually to receive member rebate.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

January 11, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, February 5, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Donald C. Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

### Chairman's Notes

1. A \$200 OPPORTUNITY:

The Florida Council will provide \$200 to the Orlando Section if we complete and return the attached forms by January 15, 1985. I am asking the Program Chairmen George Taack and Conrad Blankenzee to complete the first part (Meeting Calendar for January to June 1985); the Secretary to complete the second part (Program Evaluations); and I will complete the third part (Officer List). Please mail completed parts to me by January 14, 1985.

2. Deadline Reminder:

- a. Treasurer: 1984 calendar year financial report due to be sent to IEEE Headquarters by February 1.
- b. Secretary: Section meeting activity summary report is due also by February 1. (Note: All chapters must have their reports for 1984 completed to Don Malocha. Our rebate from HQ depends on this).

3. "Survey" Committee:

Conrad Blankenzee (Chairman)  
Mike Oleyar  
George McClure  
Frank Fluet

Will publish the membership survey in the February '85 Section Notes.

4. Notes on Section Notes:

- a. In the January issue we published a non-member subscription rate due to the requests we have been getting for free subscriptions. (i.e., \$15/year; sample issue \$1.50). Any comments?
- b. On page 7 of January '85 issue a free offer to unemployed IEEE members for an "Employment Guide" was described. The address to write to for this offer is: IEEE  
Washington Office  
1111 19th St., N.W.  
Washington, DC 20036

(include your membership number)

5. Chapter Elections:

All Chapters should be making plans now to have elections of officers completed by the June Executive Committee meeting.

6. I have been asked to request Chapter officers to publish starting times of:

- a. Business meeting
  - b. Technical Talk
  - c. Meal
- for all meetings (to encourage attendance).

Frank Fluet  
1/7/85

**IEEE Executive Committee Meeting  
Orlando Section**

Date: January 8, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	Frank Fluett	Ben Abbot
	Don Malocha	Ed Ellis
	Joe Massett	Conrad Blankenzee
	Madjid Belkerdid	Woody Carter
	Geoff Dick	George McClure
	Steve Forsythe	Jorge Medina
	Carl Schunemann	Mike Haddad
	John Gilbert	Larry Hull

**MINUTES:**

1. Meeting called to order at 6:05 pm by Frank Fluett, Chairman.  
The necessary quorum was present.

2. The Dec. minutes were reviewed by attendees. A motion was made to accept the minutes and was seconded. Motion passed.

3. **Treasurer's Report - Carl Schunemann:**

Treasurer's report dated Jan. 8, 1985 is attached.  
A motion was made to accept the treasurer's report and was seconded. Motion passed.

4. **Chairman's Report - Geoffrey Dick:**

No report. See Calander for events.  
**Urgent!!!** Please get in meeting announcements immediately!!

5. **Programs - George Taack/Conrad Blankenzee:**

A section members survey has been prepared for distribution to all Orlando members. After some discussion, it was voted to allow the survey to be prepared solely by the committee. Comments and suggestions should be addressed to the members.

6. **Public Relations - George McClure:**

Need to find the IEEE slides concerning Energy and Perspective. Whom ever has these, please contact George.

7. **Publications - Alex Marton:**

No report. Need to check mailing label status.

8. **Advertising - John Gilbert/Victor Alas:**

One new advertiser: EMSCO

**9. Awards - Ben Patz:**

Outstanding Engineering Award nominations for 1985 from each Chapter are due by Jan. 15. See Dec. section notes for details.

Nominations to Region 3 and Florida Council will be made by the Section for:

- Outstanding Service
- Engineer of the Year
- Educator of the Year

**10. Florida Engineering Society Liason - R.C. Harden: No Report.**

**11. PACE - John Gilbert:**

Harb Hayre will speak on PACE on April 24 or 26. Conrad Blankenzee will make arrangements and John Gilbert will coordinate the meeting.

**12. Education - Fred Simons: Absent.**

**13. Student Activities - Don Malocha:**

The students have been donated a TVRO satellite system from Harris Corp. The students will use this as a test bed for their system. The dish and LNA sections are making good progress. Malocha will work with the Programs Committee to draft a proposal for a continuing fund to support the student branch. The funds will be solicited from local industry.

**14. Membership Development - Woody Carter:**  
Report attached.

**15. By-Laws - George McClure: No Report.**

**16. Historian - Russ Theisen: Absent**

No Report:

**17. Member at Large - Joe Massett:**

Joe has agreed to work to establish a Conference Committee. The purpose will be to coordinate and solicite IEEE conferences in Orlando. The benefit is for service to IEEE and to obtain revenue for the Section.

**CHAPTER REPORTS**

**18. AEES - Dave Flinchbaugh: Absent.**

No Report.

**19. Communication - Madjid Belkerdid:**

Meeting planned for Jan. 28 as follows:

Speaker: Chuck Atwater

Topic: Cellular Radio

Place: Stromberg Carlson, Lake Mary

Time: Monday, Jan. 28, 1985, 7:30 pm.

Because of limited seating, resev. reqd. by Jan.21.

The IEEE Sonics & Ultrasonics National Lecturer, Art Ballato, will speak on Mar.19. A dinner is planned and details will follow.

**20. Computer Society - Steve Forsythe: No Report.**

**21. Electron Device Society - Ralph M. Mindock: No Report.**

**22. MTT/AP - Fred Wilcox:**

No Report.

**23. PES/IAS - Mike Haddad:**

A meeting is planeed for Feb. 20 at the Westighthouse Plant. The topis is the Status of Superconducting Generators. Contact Mike for further information.

**24. Student Branch IEEE - Steve McKenna: No report.**

**25. Student Chapter, Computer Society- Ron Krauskopf: No Report.**

**26. Unfinished Business:**

**27. New Business:**

See attached Chairman's Notes.

The Chapter would like to start at least one new local IEEE chapter. See attachment for details.

**28. Meeting adjourned at 8:00 pm.**

**29. Time/Place of next meeting:**

Feb. 5, Tue., 5:30 pm.

Automation Intelligence (AI)

1200 W. Colonial Drive

( west of I-4 on Colonial Drive )

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JANUARY 8, 1985

Checking Account Balance December 4, 1984 Treasurer's Report	\$2,966.62
---	------------

Deposits:

12/31/84 Southeastcon '83 Centrust Cashier's Check #26-007167 Dated 12/12/84 (Revised Final Settlement)	\$12.84
---	---------

12/31/84 University of Central Florida Check #219863, Dated 11/15/84 (Section Notes Advertising)	\$150.00
--	----------

Total Deposits	\$162.84
----------------	----------

Disbursements:

#1167 Woody Carter Membership Development Postage	\$20.00
--	---------

#1168 George B. Taack, Jr. Vice Chairman Postage & Misc. Per 12/4/84 Statement	\$30.56
--	---------

#1169 Ed Ellis Postage and UPS for Centennial Notes November Mailing	\$4.66
--	--------

#1170 Fred Wilcox MTT/AP 11/15/84 Speaker's Dinner	\$11.40
---	---------

#1171 Alex Marton Newsletter Permit Imprint Deposit, 11/30/84	\$52.00
---	---------

#1172 Frank Fluet 12/4/84 Exec. Committee Meeting Refreshments	\$6.48
--	--------

#1173 Don Malocha, Secretary Mailing, Minutes (November)	\$6.00
---	--------

Barnett Bank Charges:

12/10/84 Returned Check #165	\$19.24
Dated 10/21/84	
Southeastcon '83	
Previously Deposited 12/1/84	

12/10/84 Check Return Fee	\$5.00
---------------------------	--------

Total Disbursements and Charges	\$155.34
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Summary:

Checking Account, 12/4/84 Report	\$2,966.62
Plus Deposits	162.84

Sub Total	\$3,129.46
-----------	------------

Less Disbursements and Charges	155.34
--------------------------------	--------

Checking Account Balance, 1/8/85	\$2,974.12
Plus Dreyfus Fund Balance, 1/3/85	3,498.99

Total Funds	\$6,473.11
-------------	------------

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

FORMING A NEW CHAPTER

One of our Section goals for 1985 is to start at least one more local chapter of an IEEE SOCIETY, if there is sufficient interest. We are soliciting the membership for 'interest' via the Section Survey. We may need a "patron" or "flag-bearer" to start the process moving and to select officers. Attached are the requirements and a PETITION form.

Strong, Potential SOCIETIES and (Number of members in Orlando):

ASPP-01 ACOUSTICS, SPEECH & SIGNAL PROCESSING (43)  
CAS-04 CIRCUITS & SYSTEMS (28)  
CE-08 CONSUMER ELECTRONICS (20)  
EM-14 ENGINEERING MANAGEMENT (33)  
SU-20 SONICS & ULTRASONICS (24)  
CS-23 CONTROL SYSTEMS (22)

(It is also possible <sup>to</sup> form a 'joint' chapter covering two or more Societies). Anyone who wants to start a petition for any of the above Societies please contact Frank Fluet, 843-7030.



THE INSTITUTE OF  
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SERVICE CENTER

445 HOES LANE, PISCATAWAY, NEW JERSEY 08854 (201) 981-0060

REQUIREMENTS TO FORM A CHAPTER OF AN IEEE SOCIETY

A petition, signed by not less than twelve (12) Section members, above Student grade, who are members of the Society shall be submitted to the Section Executive Committee, via the Section Secretary, for approval.

The petition shall specify:

- The name of the Section
- The name of the Society
- The name and address of the Chapter Organizer

With the written approval of the Section Executive Committee, the petition shall be mailed to:

IEEE - Field Services Department  
445 Hoes Lane  
Piscataway, New Jersey 08854

The Chapter shall be considered established after the Field Services Department has ascertained that the Regional Director and the Society President have no objections to the formation of the Chapter.

Following approval, the Section Chairman, the Chapter Organizer, the Regional Director and the President of the Society will be so notified.

\* \* \* \* \*

It is suggested that more than twelve names be included to speed the processing of the petition.



THE INSTITUTE OF  
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9

**PETITION FOR THE ESTABLISHMENT OF AN IEEE SOCIETY CHAPTER**

Date \_\_\_\_\_

Name of IEEE Society \_\_\_\_\_

Name of IEEE Section \_\_\_\_\_

We, the undersigned, who are members of the above Society and Section hereby petition for approval to form a Chapter in the Section indicated above.

	<u>Signature of Petitioner</u>	<u>Membership Grade and Number</u>	<u>Printed Name</u>
1)			
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			
11)			
12)			
13)			
14)			
15)			
16)			
17)			
18)			
19)			
20)			

(Minimum of twelve signatures required)

This action has the approval of the Section Executive Committee.

The following individual is serving as the Organizer of the Chapter:

\_\_\_\_\_  
Name  
\_\_\_\_\_  
Street  
\_\_\_\_\_  
City State/Country

03/81 Signature of Section Officer \_\_\_\_\_

Section Office Held \_\_\_\_\_

FS-17P

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

December 18, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR DECEMBER 1984

An IEEE table was supported the evening of December 5 at the Central Florida Council for High Technology Get Acquainted meeting. About 10 membership applications and 20 centennial magazines were distributed.

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>11-30-84</u>
A	New Election to Membership	13
B	Reinstatement to Membership	0
C	Arrears Paid	2
D	Address Change, Within Section	19
E	Moving Into Section	20
H	Transfer In Member Grade	4
I	Moving Out Of Section	6
K	Went Into Dues Arrears	0
M	Deceased	1
N	Change in Group or Society	41



W. C. Carter  
Membership Development Chairman

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
January 8, 1985

AGENDA

- |  |                                |
|--|--------------------------------|
| 1. Introductions & Review Agenda                                       | Frank Fluet                    |
| 2. Approval of previous minutes.                                       | Don Malocha                    |
| 3. Treasurer's Report  | Carl Schunemann                |
| 4. Chapters Chairmen Representative                                    | Geof Dick                      |
| 5. Standing Committee Reports  |                                |
| a. Programs  | George Taack/Conrad Blankenzee |
| b. Public Relations  | George McClure                 |
| c. Publications  | Alex Marton                    |
| d. Advertising   | John Gilbert                   |
| e. Awards  | Ben Patz                       |
| f. Florida Engineering Soc. Liaison                                    | Richard Harden                 |
| g. PACE  | John Gilbert                   |
| h. Student Activities  | Don Malocha                    |
| i. Education   | Fred Simons                    |
| j. Membership Development  | Woody Carter                   |
| 6. Special Committees  |                                |
| a. By-Laws   | George McClure                 |
| b. Historian   | Russ Theisen                   |
| c. Centennial  | Deen Khandelwal                |
| d. SOUTHCON '86  | Bruce Mathews                  |
| e. Member-at Large   | Joe Massett                    |
| f. Survey Committee  | Conrad Blankezee               |
| 7. Break (10 min)  |                                |
| 8. Chapter Reports   |                                |
| a. Aerospace and Electronic Systems Society                            | Dave Flinchbaugh               |
| b. Communications Society  | Madjid Belkerdid               |
| c. Computer Society  | Steve Forsythe                 |
| d. Electron Devices Society  | Ralph M. Mindock               |
| e. Antennas and Propagation/Microwave Theory<br>and Techniques Society | Fred Wilcox                    |
| f. Power Engineering/Industry Applications<br>Society                  | Michael Haddad                 |
| g. Student Branch IEEE   | Steven D. McKenna              |
| h. Student Chapter, Computer Society                                   | Ron Krauskopf                  |
| 9. Unfinished Business   |                                |
| 10. New Business   |                                |
| a. Nominating Committee  | Ed Ellis                       |
| b. Forming a New Chapter   | Frank Fluet                    |
| c. Chairmen's Notes  | Frank Fluet                    |
| 11. Time/Place of Next Meeting   |                                |
| 12. Adjourn  |                                |



THE INSTITUTE OF  
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ENGINEERS, INC.

3

PLEASE REPLY TO:

Deborah Murphy  
200 80th Avenue NE  
St. Petersburg, Fl.  
33702

December 10, 1984

TO: SECTION OFFICERS  
FROM: FLORIDA COUNCIL IEEE

At the Florida Council meeting, held in Orlando on December 8, 1984, it was decided to give each Section \$200 per year from the Southcon proceeds, to be paid twice yearly.

As with anything, there is a catch.

- Section Meeting Calendars from January to June, 1985, must be sent to me. Include speaker contact information, topic, and date. Forms are provided in this packet. If the meetings are not yet planned, put in the known information, and indicate if you are looking for a program idea.
- Program evaluations for your meetings held July-December, 1984, must also be sent to me. Forms are also provided for this. Include speaker contact information, topic, and an evaluation of the program.
- Lastly, updated Officer Lists must be sent to me. Return the enclosed form that lists the officer information as we now have it, with any updates. Make additional Officer assignments as required.

DUE BY JANUARY 15TH!!!!

ANY SECTIONS RETURNING THE ENCLOSED FORMS WITH THE REQUIRED INFORMATION BY JANUARY 15TH WILL BE SENT \$100 FOR SECTION USE.

PROGRAM CALENDAR

SECTION NAME \_\_\_\_\_

\*\*\*\*\*  
MEETING DATE \_\_\_\_\_

SPEAKER NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

TOPIC/ABSTRACT \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMENTS (SPEAKER FEE, AVAILABILITY, ETC. ) \_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*  
MEETING DATE \_\_\_\_\_

SPEAKER NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

TOPIC/ABSTRACT \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMENTS (SPEAKER FEE, AVAILABILITY, ETC. ) \_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*  
MEETING DATE \_\_\_\_\_

SPEAKER NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

TOPIC/ABSTRACT \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMENTS (SPEAKER FEE, AVAILABILITY, ETC. ) \_\_\_\_\_  
\_\_\_\_\_

PROGRAM EVALUATIONS

SECTION \_\_\_\_\_

\*\*\*\*\*

MEETING DATE \_\_\_\_\_

SPEAKER NAME \_\_\_\_\_  
COMPANY \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
PHONE \_\_\_\_\_

TOPIC \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

EVALUATION \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMENTS (SPEAKER FEE, AVAILABILITY, ETC.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*

MEETING DATE \_\_\_\_\_

SPEAKER NAME \_\_\_\_\_  
COMPANY \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
PHONE \_\_\_\_\_

TOPIC \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

EVALUATION \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMENTS (SPEAKER FEE, AVAILABILITY, ETC.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6

NOMINATING COMMITTEE:

1. Ed Ellis (Chairman)
2. Joe Massett
3. \_\_\_\_\_

The following sections of the Section BY-LAWS define the charter of the Nominating Committee.

"034.2.1 Nominating Committee - This Committee shall select from the Section membership candidates qualified for the elective offices of the Section: Chairman, Vice-Chairman, Secretary, and Treasurer. The Committee shall determine that each nominee is eligible and willing to accept the responsibilities of the office, if elected. This Committee shall comprise at least three (3) members (not currently seeking an elected office) who are all appointed by the Section Chairman. Duties of this Committee are described in Section 042."

"041 The Section Chairman shall appoint by the Executive Committee meeting in January of each year a Nominating Committee consisting of at least three (3) Section members not then elected Section officers."

"042 The Nominating Committee shall present its slate of nominees to the Section Chairman at the February Executive Committee meeting so that all Section members may be notified of the nominations through the March issue of the Orlando Section Notes.

"043 The Section membership may make additional nominations by submitting qualified petitions. A qualified petition shall meet the following conditions: a) Specify the office, b) Bear the signature of at least 15 voting Section members, c) Contain statement of nominee's consent to serve, d) State nominee's qualifications and biography, 3) Be delivered to the Section Chairman on or before 1 April."

UPCOMING  
IEEE SPONSORED & CO-SPONSORED  
CONFERENCES  
(PER VOL 5 #4 WINTER 84 T.A.G.)

Orlando Section

Mar. 25-29, 1985  
IEEE Computer Society Tutorial Week  
East 1985  
C  
Americana Dutch Resort Hotel  
Lake Buena Vista, FL

Mar. 26-28, 1985  
Int'l. Reliability Physics Symposium  
R, ED  
Sheraton Twin Towers, Orlando, FL

Dec. 8-13, 1985  
10th Annual Int'l. Conference  
on Infrared & Millimeter Waves  
MTT  
Lake Buena Vista, FL

Mar. 11-13, 1986  
SOUTHCON '86  
Reg. 3. Orlando & Atlanta Sections  
Orange County Convention Center,  
Orlando, FL

May 7-9, 1986  
World Conference on Continuing  
Engineering Education  
ED  
Dutch Inn Resort Hotel  
Lake Buena Vista, FL

## SECTION MEMBERS SURVEY

1. Rank your personal priorities for belonging to IEEE (1 to 5, 1 highest)

\_\_\_\_\_ To receive technical publications

\_\_\_\_\_ To support improvements for the profession i.e. pensions, salaries, benefits, career management, patent rights, etc..

\_\_\_\_\_ To be eligible for IEEE group insurance

\_\_\_\_\_ To be aware of and attend local technical meetings

\_\_\_\_\_ To enjoy association with fellow engineers

2. Part of your membership dues support the activities of the Orlando Section. What activities should be given greater emphasize by the Section( rank 1 being the highest)?

\_\_\_\_\_ Organize and schedule section meetings of general technical interest.

\_\_\_\_\_ Organize and schedule chapter meetings of technical societies.

\_\_\_\_\_ Present educational opportunities to practicing engineers ( refresher course for PE exam, tutorial courses with local instructors, IEEE satelite communication courses ).

\_\_\_\_\_ Encourage students' interest in engineering, through support of the student branch and student chapter, prize competitions, support of student projects, student scholarships, etc..

\_\_\_\_\_ Provide programs to maintain professional awareness ( pensions, personal financial planning, career management, technology transfer, opportunities for entrepreneurs in new ventures).

\_\_\_\_\_ Social events: Fall barbeque/picnic \_\_\_\_\_  
Dance \_\_\_\_\_  
Cruise \_\_\_\_\_  
Dinner theater \_\_\_\_\_  
Or \_\_\_\_\_

3. How many meetings sponsored by the Orlando section and/or its Chapters have you attended in the past year?

\_\_\_\_\_ Section meetings

\_\_\_\_\_ Executive Committee meetings

\_\_\_\_\_ Society Chapters meetings

\_\_\_\_\_ Educational meetings

4. What is your preference in meeting and format for a section/society chapter meeting?

\_\_\_\_\_ Noon (12 to 2 )                      Meals: \_\_\_\_\_ before  
\_\_\_\_\_ Late afternoon(5 to 7)                      \_\_\_\_\_ after  
\_\_\_\_\_ Evening (7 to 9)                      \_\_\_\_\_ none

What price range for dinners? \$6-\$10 \_\_\_\_\_ \$10-\$15 \_\_\_\_\_ >\$15 \_\_\_\_\_

Wich days do you prefer to have IEEE meetings (check 2)

Monday\_\_\_\_\_ : Tuesday\_\_\_\_\_ : Wednesday\_\_\_\_\_ : Thursday\_\_\_\_\_ : Friday\_\_\_\_\_ :

Wich week of the month do you prefer for a meeting(mark 1 to 4)? \_\_\_\_\_

5. Are you interested in having the Section sponsor a one-day technical conference? \_\_\_\_\_

What topic(s) would be of most interest to you? \_\_\_\_\_

Would you be willing to help organize such a conference for wich no fee would be charged?

\_\_\_\_\_ Yes : \_\_\_\_\_ No

6. What other ways do you think the Section could be of most service to its members? \_\_\_\_\_

7. Are you willing to assist in leading the operations of the Section?

a. By serving on a committee \_\_\_\_\_

b. By heading a committee \_\_\_\_\_

c. By participating in the section's Speakers' Bureau \_\_\_\_\_

d. By participating in the organization of a new Society Chapter \_\_\_\_\_

(Wich one? \_\_\_\_\_)

e. Have you served as an officer of a Society Chapter? \_\_\_\_\_

8. Should the Section organize public service activities?

\_\_\_\_\_ Yes : \_\_\_\_\_ No

If Yes, what activities could you suggest? \_\_\_\_\_

○ Your 20 cent stamp on the return will save our section 25 cent. Thanks !

IEEE  
COMMUNICATIONS SOCIETY  
MEETING ANNOUNCEMENT

DATE: 28 JANUARY, 1985

TIME: 7:30

PLACE: STROMBERG CARLSON  
LAKE MARY

SPEAKER: CHUCK ATWATER, A DIRECTOR OF ASTRONET CORPORATION

TOPIC: CELLULAR RADIO

DUE TO LIMITED SEATING, RESERVATIONS ARE REQUIRED BY 21 JANUARY, 1985.

CONTACT MADJID BELKERDID AT 275-2787 WORK OR 699-4890 HOME

Quorum: 6:05

11/8/84

1. Admission & Advancement Comm.  
No travel funds  
West Palm Beach in Nov. 85 on Sat.
2. Herb Hayne to speak on Pace on  
April 24 or 26. Conrad will  
make arrangements John Gilbert will  
coordinate.
3. Request for someone else to take minutes.
4. Minutes accepted.
5. Treasurers report reviewed & accepted.
6. Programs - Speakers for Feb. meeting  
- Disney World speaker director of MIS.  
- Eng. speaker -  
Subsidy for student \$10.00/plate
7. P.R. - George  
Set of slides concerning Energy  
& Prospective by IEEE.  
Who has this?

8. Publications - Alex Nor report  
Check label status

9. Advertising - new member Enesco.  
Jan., Feb., Mar.

10. Awards - Paty. No report  
Award nomination due Jan. 15.

11. FES - no report

12. PACE - no report

13. Stud. Actv. - proposal, milestones,  
accounting.

14. Fred Semons - N.R

15. Woody Carter - Dec 5. High Tech.  
~12 took applications

16. Membe@Large - will try to get a  
Conference Comm.

17. Comm Meeting - in new bldg @ S.C.  
Mike Olyar in Texas for several mos.  
Mar. 19 - IEEE Nat. Speaker. S & U.  
Dinner followed by  
A. P. U. F.

2/1/87

18. A.P.R. - status of Supercond. General  
Carl Flick Feb. 20 @  
Westinghouse

19. Chairman's notes

20. Feb. 5 next meeting  
Educator of Year  
Region 3 E of Y  
Ex

Out ser.  
Eng of Year  
Educator of Year  
Region 3  
&  
Florida Council  
Richard Beattie

DATE: Jan. 8, 1985

### ATTENDEES

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING

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

[illegible]

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

December 12, 1984

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, January 8, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Donald C. Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

**IEEE Executive Committee Meeting  
Orlando Section**

Date: December 4, 1984

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	George B. Taack, Jr. Don Malocha Fred Wilcox Don Malocha Geoff Dick Alex Marton David Flinchbaugh Mike Oleyar	Frank Fluet Ed Ellis Conrad Blankenzee Woody Carter George McClure Ben Patz David Horrigan
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**MINUTES:**

1. Meeting called to order at 6:00 pm by Frank Fluet, Chairman.  
The necessary quorum was present.
2. The Nov. minutes were reviewed by attendees. A motion was made to accept the minutes and was seconded. Motion passed.
3. **Treasurer's Report - Carl Schunemann:**  
  
Treasurer's report dated Dec. 4, 1984 is attached.  
A motion was made to accept the treasurer's report and was seconded. Motion passed.
4. **Chairman's Report - Geoffrey Dick:**  
  
Note Central Florida Council for High Technology announcement on Dec. 5.  
  
Urgent!!! Please get in meeting announcements immediately!!!
5. **Programs - George Taack/Conrad Blankenzee:**  
  
Section survey to be compiled.
6. **Public Relations - George McClure:**  
  
See attachment on proposed public relation initiatives.
7. **Publications - Alex Marton:**  
  
Please get all announcements for publication in by 2nd week of the month.
8. **Advertising - John Gilbert/Victor Alas: No Report.**

**9. Awards - Ben Patz:**

Outstanding Engineering Award nominations for 1985 from each Chapter are due by Jan. 8.

**10. Florida Engineering Society Liason - R.C. Harden: No Report.**

**11. PACE - John Gilbert: Absent.**

George Taack attended one day PACE conference. A number of goals were set which include the 1 pg./month in Section Notes, set a science & technology office, 1 PACE meeting/yr., a PACE chairman in every section and others.

**12. Education - Fred Simons: Absent**

**13. Student Activities - Don Malocha:**

The IEEE shirts provided by the section to the TVRO student group leaders were distributed.

The students held one meeting with Dr. Robert Wagers, IEEE Fellow, from Texas Instruments speaking. Approximately 20 students and faculty attended.

The Student Senate voted \$600 for the TVRO student project.

**14. Membership Development - Woody Carter:**

Report attached.

**15. By-Laws - George McClure: No Report.**

**16. Historian- Russ Theisen: Absent**

Report attached.

**CHAPTER REPORTS**

**17. AEES - Dave Flinchbaugh**

Planning a Jan. 23 meeting. Speaker TBD.

**18. Communication - Madjid Belkerdid:**

Meeting planned for Jan. 28 as follows:

Speaker: Chuck Atwater

Topic: Cellular Radio

Place: Stromberg Carlson, Lake Mary

Time: Monday, Jan. 28, 1985, 7:30 pm.

Because of limited seating, resev. reqd. by Jan.21.

19. Computer Society - Steve Forsythe: No Report.
20. Electron Device Society - Ralph M. Mindock: No Report.
21. MTT/AP - Fred Wilcox:

Nov. 15 Dr. Kessler from Texas Instruments spoke.  
19 attended of which 13 were IEEE members. Next meeting is  
planned for January with Mr. Jerry Hickmann from Scientific  
Atlanta speaking.

22. PE - Mike Haddad: No Report.
23. Student Branch IEEE - Steve McKenna: No report.
24. Student Chapter, Computer Society- Ron Krauskopf: No Report.
25. Unfinished Business:

Awards-motion to give plaques to outgoing executive committee  
members was tabled indefinitely.

26. New Business:

A section survey is being developed to better serve the  
interests and needs of the local members. Any who wishes to  
provide input, contact Conrad Blankenzee, 876-3577.

27. Meeting adjourned at 8:00 pm.

26. Time/Place of next meeting:

Jan. 8, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 and Colonial Drive )

disk:ieee  
file:ieeexcl0

#### ORLANDO SECTION PUBLIC RELATIONS INITIATIVES PROPOSED

Two initiatives are proposed to aid in gaining visibility within the community for the Orlando Section. They are described below.

##### I. SPEAKERS' BUREAU -- INITIAL COMPOSITION AND TOPICS

In view of the underwhelming response to the earlier notice in the Section Notes concerning the establishment of the Speakers' Bureau, the following plan is proposed.

1. The initial topics for speakers will include the IEEE Energy Program (with slides) and the IEEE Centennial Program (with slides). A third program, on the need for improvements in education, will be developed, under the guidance of the Education Committee, using the materials from IMFACT and other data.

Other topics may be contributed by individual speakers, but all speakers will have an opportunity to get familiar with the first three programs. The overall time allotted to a program delivery should range between 20 and 45 minutes, with the shorter period being suitable for luncheon groups, such as service clubs.

All members of the Executive Committee will be charter members of the Speakers' Bureau and will be invited to fulfill speaking requests as they are received, in rotation. Schedule conflicts with a particular invitation will be resolved by inviting another speaker on the list and offering the first speaker another opportunity.

The availability of speakers and their topics will be announced to service clubs through the Orlando Area Chamber of Commerce and other available channels by the Public Relations Committee, after a period during which the speakers will review the materials to be used.

Additional speakers and topics are welcomed; topics may be newsworthy or even controversial, but the presentation should be balanced. Speakers should not take personal stands and imply that these are IEEE positions. Actual IEEE positions on topics such as age discrimination, pension reform, nuclear power, and technology transfer may be conveyed in talks. Other topics such as the role of the computer in personalized networking and in electronic cottage industry may be offered by those speakers interested. Interpretations of electronic technology advances are useful program themes for general audiences and for high school engineering/science clubs.

To establish a sequence for routing the program materials, a signup sheet will be used, with each member of the executive committee expressing his order of preference for the first three topics (energy, centennial, education).

For school groups, the videotape of the Centennial Convocation at the Franklin Institute may be used (this videotape was made by the UCF Video Laboratory during the direct satellite broadcast).

##### II. PARTICIPATION AS A PROFESSIONAL GROUP IN THE TAX ASSISTANCE PROGRAM

VITA, the Volunteer Income Tax Assistance program sponsored by the Internal Revenue Service, is looking for volunteers to help taxpayers with their 1984 tax returns. Since 1969, VITA has helped low-income, elderly, handicapped, and non-English-speaking people who have problems preparing their returns. Only simple returns will be involved, 1040EZ, 1040A, and a basic 1040 with Schedule A for deductions.

Volunteers must attend a training course in January or take a proficiency test to exempt them from the training. Members of professional groups are sought to participate in the program, as well as law and business students in college and civic group members.

Tammy White is the VITA coordinator at the IRS in Orlando.

##### BUSINESS CARDS FOR EXECUTIVE COMMITTEE MEMBERS

In interacting with other groups on behalf of IEEE Orlando Section, business cards offer an easy way to remind others of your name and telephone number. The preparation of a blank business card, containing the IEEE logo and name of the Orlando Section in blue ink on white stock is proposed. Members of the executive committee could type their names and telephone numbers on these cards before passing them out. The Section may wish to establish an address for correspondence to be printed on the cards; this may be a P.O. Box number. Administration and checking of the box would become a responsibility of the section secretary or public relations committee.

George McClure  
12-4-84

December 4, 1984

Checking Account Balance  
November 6, 1984 Treasurer's Report

\$3,025.58

Deposits:

12-1-84	IEEE Second Half 1984 Rebate, Check #130211, 10-30-84	\$1,166.63
12-1-84	Casselberry Senior Citizen's Center, Check #10371, 11-7-84, Security Deposit Refund	\$ 50.00
12-1-84	Whitman Engineering, Inc., Check #442, 10-30-84, Advertising	\$ 130.00
12-1-84	SOUTHEASTCON '83, Check #165, 10-21-84, Final Settlement	\$ 19.24
Total Deposits		\$1,365.87

Disbursements:

#1157	Seminole House Printers, September Section Notes Invoice #7600, 9-17-84	\$ 389.02
#1158	F. A. Fluet, Executive Committee Meeting Refreshments	5.38
#1159	Ed Ellis, Postage, Centennial Issue Section Notes, 11-6-84 Statement	5.37
#1160	University of Central Florida, Invoice #083, 10-22-84 (Centennial Video Conference Refreshments)	24.94
#1161	Fred P. Wilcox, AP/MTT Dinner Meeting with Speaker, 10-18-84	20.65
#1162	Sally Mae Merry, Secretary PES/IA, 9-27-84 Dinner Meeting, Speaker, Bruce Bell	25.00
#1163	Seminole House Printers, November Section Notes Invoice #7801, 11-13-84	410.02
#1164	Altamonte Data Processing, Invoice #16048, 11-14-84	88.12
#1165	Russell E. Theisen, Reimbursement per 11-6-84 Statement Life Member Meeting \$ 39.98 Historian Expenses 82.82 Caps & T-Shirts for Student 70.00 Satellite Project Team \$192.80	192.80
#1166	Professor Mischa Schwartz (via Dr. Madjid A. Belkerdid) Speaker's Travel Expenses per 11-7-84 Statement	263.53
Total Disbursements		\$1,424.83

Summary:

Checking Account, 11-6-84 Report	\$3,025.58
Plus Deposits	1,365.87
	<u>Subtotal</u>
	\$4,391.45
Less Disbursements	<u>\$1,424.83</u>
Checking Account, 12-4-84	\$2,966.62
Plus Dreyfus Fund (11-6-84 Report)	3,362.46
	<u>Total Funds</u>
	\$6,329.08

Respectfully submitted,

Carl F. Schunemann, Treasurer

November 6, 1984  
Orlando Section Report  
Russ Theisen

I am unable to attend the Orlando Section meeting this month since I will be in Chicago conducting the Computer Society Area Activities meetings.

1. The pictures that were taken at the Life Member day are enclosed. These should be used for next months publication.

Costs to be reimbursed are:

Film	\$5.98 X 4 rolls	= \$23.92
Developing		\$16.06
Total		\$39.98

2. Southeastcon 83 Final Final Report

The Southeastcon 83 committee in an attempt to close out the Southeastcon 83 bank account voted to donate the remaining funds \$19.24 to the Orlando Section.

The enclosed check #165 made out to the Orlando Section in the amount of \$19.24 closes out the Southeastcon 83 account.

SENT TO CARL Schurmann 11/20/84

3. The historian submits a bill for the following expenses related to his post of Historian Orlando Section IEEE.

Expenses are as follows:

Postage	\$22.00	(1/2) 4 DRAWER CABINET IEEE Reporting Centennial
Filing Cabinet space	\$52.82	
Telephone calls	\$ 5.50	
misc. supplies	\$ 7.32	
Total:	\$82.82	

4. The \$72.82 worth of caps and T-shirts have been ordered and paid for. They are enclosed and are to be picked up by the student committee representative. The 7 sets are to be distributed to the satellite antenna project participants.

Delivered to Don Malocha on Nov. 11, 1984	\$39.98
	\$82.82
	\$72.82
Total	\$192.82

Please send check for \$192.82 to Russ Theisen, 2667 Fitzhugh Road, Winter Park, FL 32792.

5. The Tutorial Week East 85 will be held March 25-29, 1985 at the Disney World Americana Dutch Resort Hotel. The enclosed brochure should be distributed to all Florida Sections. This notice should be displayed in the December, January, February issues of the Orlando Section Notes.  
Respectfully submitted,

Russell E. Theisen, Historian Orlando Section



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

November 9, 1984

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR NOVEMBER 1984

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	10-31-84
A	New Election to Membership	15
B	Reinstatement to Membership	0
C	Arrears Paid	2
D	Address Change, Within Section	20
E	Moving Into Section	14
H	Transfer In Member Grade	2
I	Moving Out Of Section	8
K	Went Into Dues Arrears	0
M	Deceased	0
N	Change in Group or Society	22

*W. C. Carter*  
W. C. Carter  
Membership Development Chairman

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

February 10, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

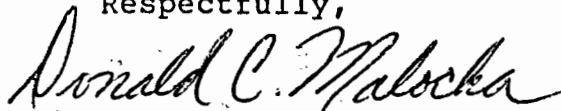
Tuesday, March 5, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,



Donald C. Malocha  
Secretary  
IEEE Orlando Section

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
FEBRUARY 5, 1985

Checking Account Balance  
January 8, 1985 Treasurer's Report \$2,974.12

Deposits:

1-19-85	E.D. Society Dinner Mtg. (1-14-85) Receipts, 5 Checks @ \$10	\$50.00
11-23-84	Deposit by George Tasck, Not Previously Recorded, 11-1-84 Dinner Mtg., Ticket Receipts	\$438.00
2-2-85	Hammond Electronics, Check #32497 Dated 1-23-85, Newsletter Advt.	\$65.00
2-2-85	UCF Check #223355, Newsletter Advt.	\$75.00
	<b>Total Deposits</b>	<b>\$628.00</b>

Disbursements:

#1174	Don Malocha Dec. Section Mailing (35 @ 20¢) E.D. Society Mailing (35 @ 20¢)	\$14.00
#1175	John Gilbert Mailing of Newsletter Advt. Invoices	\$4.00
#1176	Orlando Airport Marriott Unpaid Balance, 11-1-84, Dinner Mtg.	\$15.95
#1177	Altamonte Data Processing, Invoice #16154, Dated 1-4-85 Newsletter Labeling, Sort, Bag, Delivery to Post Office	\$37.03
#1178	Alex B. Marton 1985 Bulk Mail Fee, \$40.00 Bulk Mail Fee, \$60.00	\$100.00
#1179	Seminole House Printers January Section Notes, Invoice #7922 of 1-11-85	\$707.43
#1180	Altamonte Data Processing Invoice #16101 of 12-5-84, Not Previously Paid, Newsletter Labeling and Mailing Services	\$37.89
#1181	Seminole House Printers February Section Notes, Invoice #8083 of 1-31-85 Barnett Bank Charge, New Checkbook, 12-23-84	\$660.19
		\$14.80

**Total Disbursements: \$1,591.29**

Summary:

Checking Account, 1-8-85 Report	\$2,974.12
Plus Deposits	628.00
<b>Sub Total</b>	<b>\$3,602.12</b>
<b>Less Disbursements</b>	<b>\$1,591.29</b>
Checking Account Balance, 2-5-85	\$2,010.83
Plus Dreyfus Fund Balance 2-1-85	\$3,523.84
<b>Total Funds</b>	<b>\$5,534.67</b>

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

**IEEE Executive Committee Meeting  
Orlando Section**

Date: February 5, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

<b>Attendees:</b>	Frank Fluet Norman Lawton Joe Massett Dave Flinchbaugh Geoff Dick George Taack Carl Schunemann John Gilbert	Sally Merry Ed Ellis Conrad Blankenzee Ben Patz George McClure Frank San Filippo Alex Marton Larry Hull
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**MINUTES:**

1. Meeting called to order by Frank Fluet, Chairman.  
The necessary quorum was present.
2. The Jan. minutes were reviewed by attendees. It was noted that the minutes showed the correct date for the PE/IA meeting in Feb. but the section notes (Pg. 12) were incorrect. A motion was made to accept the minutes and was seconded. Motion passed.
3. **Treasurer's Report - Carl Schunemann:**  
Treasurer's report dated Feb. 5, 1985 is attached.  
A motion was made to accept the treasurer's report and was seconded. Motion passed.
4. **Chairman's Report - Geoffrey Dick:**  
March/April meeting notices have started to arrive. Please send all others ASAP. Send to:  
Geoff Dick MP 1156E, Box 7  
Martin Marietta  
PO Box 5837  
Orlando, Fl. 32855
5. **Programs - George Taack/Conrad Blankenzee:**  
A discussion of upcoming banquets was held. The awards dinner was discussed and program responsibilities were assigned. April meeting of PACE activities is planned with Harb Hayre.
6. **Public Relations - George McClure:**  
Presented plans for Harb Hayre April talk. See attached report.
7. **Publications - Alex Marton:**  
PE/IA meeting date was changed at the request of the speaker.

8. Advertising - John Gilbert/Victor Alas.

Still attempting to increase the number of advertisers.

9. Awards - Ben Patz:

Awards banquet is Saturday, Feb. 16.

Section nominations for officers:

Chairman-George Taack

Vice-Chairman - Don Malocha

Secretary - Geoff Dick

Treasurer - Carl Schuenemann

10. Florida Engineering Society Liason - R.C. Harden:

Don Malocha plans to attend FES Engineers week dinner, Feb. 23. Steve Mellich of Schemmer Assoc. is contact (896-0961). Other meetings are:

3/19 - Legislative report.

4/16 - Interaction of landscape Architects & CE's.

5/21 - Engineering for the Grand Cypress Project.

11. PACE - John Gilbert:

Harb. Hayre may be scheduled for April 25 rather than April 26.

12. Education - Fred Simons: Absent

13. Student Activities - Don Malocha: Absent.

14. Membership Development - Woody Carter:

Report attached.

15. By-Laws - George McClure: No Report.

16. Historian- Russ Theisen: Absent

17. Member at Large - Joe Massett: No report

CHAPTER REPORTS

18. AEES - Dave Flinchbaugh:

Bob Gunter spoke of the newly established Space Station Office at the Jan. 24 meeting in which 30 people attended. Meeting was held at York Steak House and was a satisfactory meeting location.

19. Communication - Madjid Belkerdid:

Absent. Report was provided. Meeting on Jan. 28 was attended by 14 people. Bryan Osmun of Astronet gave the talk on cellular radio. A tour of one Lake Mary cell site was conducted.

The IEEE Sonics & Ultrasonics National Lecturer, Art Ballato, will speak on Mar. 19. See attached meeting announcement.

**20. Computer Society - Steve Forsythe:**

Absent. Report of meetings to be held:  
March 12 - Computer Aided Engineering  
April 9 - LAN's

**21. Electron Device Society - Ralph M. Mindock:**

Absent. Jan. 24 meeting was economic break-even as reported by Dick Zanowick to Carl Schuenmann.

**22. MTT/AP - Fred Wilcox:**

Absent. Feb. meeting expected to be delayed.

**23. PES/IAS - Mike Haddad:**

Next meeting is Tues. Feb. 19. March 19 meeting on Patents is planned. This is in conflict with Comm. Sec. meeting.

**24. Student Branch IEEE - Steve McKenna: No report.**

**25. Student Chapter, Computer Society- Ron Krauskopf: No Report.**

**26. Unfinished Business: None**

**27. New Business:**

George McClure reported on USAB operations committee in Orlando:

- a) asked if section had input, none given.
- b) Southcon expected to outgrow convention center in a couple of years. Mini/Micro showing poorly.
- c) There is poor response locally to satellite courses.
- d) Ramada Inn promotes teleconferencing which may be a way to get programs locally.
- e) Career Management Conferences have 1-1.5 day programs that are available to the section.
- f) Discussion of DOD restriction of engineering presentations on technologies have possible impact on national security.

Frank Fluett reported Section Centennial issue notes were commended by USAB.

Ed Ellis suggested we need better handle as to company affiliation of section members.

**28. Meeting adjourned.**

**29. Time/Place of next meeting:**

March 5, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

IEEE  
COMMUNICATION SOCIETY  
MEETING ANNOUNCEMENT

DATE: March 19, 1985

TIME: 5 - 6 Cash Bar  
6 - 7 Dinner (\$9.50, Beef OR Seafood)  
7 - Guest Speaker

PLACE: GARY'S DUCK INN on S.O.B.T.

SPEAKER: Arthur Ballato, IEEE  
Sonics and Ultrasonics Group  
National Lecturer

TOPIC: Frequency and Time Sources -  
Past, present, and future

FOR RESERVATIONS: Call before March 10, 1985

Madjid Belkerdid at (Work) 275-2324  
(Home) 699-4890



**A**RTHUR BALLATO (S'55-M'59-SM'71-F'81) received the S.B. degree in electrical engineering from the Massachusetts Institute of Technology, Cambridge, in 1958, the M.S. degree in electrical engineering from Rutgers University, New Brunswick, NJ, in 1962, and the Ph.D. degree in electrophysics from the Polytechnic Institute of New York, Brooklyn, in 1972.

In 1958 he joined what was the Army Signal Corps R&D Labs and is now the U.S. Army Electronics R&D Command, Fort Monmouth, NJ. Since that time he has worked on analytical and experimental aspects of frequency control and selection. Specific areas of interest include evaluation of material constants of quartz and other piezoelectric substances, development of equivalent networks for bulk and SAW resonators, filter crystal and crystal filter design, measurement of circuit parameters of signal processing devices and precision resonators, development of crystal parameter measurement equipment, and growth of

high-purity quartz. Most recently, he has investigated the properties of stress- and thermal-transient-compensated resonators and high frequency, stable sources. These results have been presented at the Ultrasonics, Frequency Control, Microwave, Circuits and Systems, and other symposia, and published in over 100 articles and patents.

Dr. Ballato is a member of the American Physical Society and Sigma Xi, and is a Chartered Engineer of the Institution of Electrical Engineers (London). He was recipient of the 1978 C. B. Sawyer Memorial Award "for contributions in the field of piezoelectric crystals such as: stacked filters, electric circuit analogs and stress effects in doubly rotated plates," and received the U.S. Army Research & Development Achievement Award for 1980. This is the highest R&D award bestowed by the U.S. Army, and was given "in recognition of major contributions to the state-of-the-art of high precision frequency control."

Dr. Ballato serves on the Technical Program Committee of the Annual Frequency Control Symposium, and was Chairman in 1982. He is a member of the Administrative Committee of the IEEE Sonics and Ultrasonics Group, and is its Technical Activities Chairman. He is also a member of the Technical Advisory Group TC-49 (Piezoelectric Crystals) of the International Electrotechnical Commission.



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

January 29, 1985


MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR JANUARY 1985

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1028 as of 11-30-84.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>12-31-84</u>
A	New Election to Membership	4
B	Reinstatement to Membership	0
C	Arrears Paid	2
E	Moving Into Section	13
H	Transfer In Member Grade	2
I	Moving Out Of Section	7
K	Went Into Dues Arrears	0
M	Deceased	0

  
W. C. Carter  
Membership Development Chairman

## PUBLIC RELATIONS

A press release is planned on Harb Hayre's talk to the Orlando Section, billed as centering on pension benefits for engineers, and other initiatives being undertaken by PACE. Dr. Hayre has promised to supply a photo, biography, and description of the program to John Gilbert. We will reproduce copies of the photo and prepare the press release for print and electronic media.

This topic should be of interest to non-members as well, so that we may have a large attendance. Efforts will be made to get notices in various company house organs of firms employing engineers.

Members are requested to provide contact information for editors of the newspapers published by their companies to George McClure, phone 356-3782, or by mail at 1730 Shiloh Lane, Winter Park, FL 32789-5847.

George McClure  
2-5-85

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
February 5, 1985

AGENDA

- |  |                        |
|--|------------------------|
| 1. Introductions & Review Agenda                                       | Frank Fluet            |
| 2. Approval of previous minutes.                                       | <del>Don Malocha</del> |
| 3. Treasurer's Report  | Carl Schunemann        |
| 4. Chapters Chairmen Representative                                    | Geof Dick              |
| 5. Standing Committee Reports  |                        |
| a. Programs  | Conrad Blankenzee      |
| b. Public Relations  | George McClure         |
| c. Publications  | Alex Marton            |
| d. Advertising   | John Gilbert           |
| e. Awards  | Ben Patz               |
| f. Florida Engineering Soc. Liaison                                    | Richard Harden         |
| g. PACE  | John Gilbert           |
| h. Student Activities  | Don Malocha            |
| i. Education   | Fred Simons            |
| j. Membership Development  | Woody Carter           |
| 6. Special Committees  |                        |
| a. Nominating Committee  | Ed Ellis               |
| b. Survey Committee  | Conrad Blankenzee      |
| c. By-Laws   | George McClure         |
| d. Historian   | Russ Theisen           |
| e. Centennial  | Deen Khandelwal        |
| f. SOUTHCON '86  | Bruce Mathews          |
| g. Member-at Large   | Joe Massett            |
| 7. Chapter Reports   |                        |
| a. Aerospace and Electronic Systems Society                            | Dave Flinchbaugh       |
| b. Communications Society  | Madjid Belkerdid       |
| c. Computer Society  | Steve Forsythe         |
| d. Electron Devices Society  | Ralph M. Mindock       |
| e. Antennas and Propagation/Microwave Theory<br>and Techniques Society | Fred Wilcox            |
| f. Power Engineering/Industry Applications<br>Society                  | Michael Haddad         |
| g. Student Branch IEEE   | Steven D. McKenna      |
| h. Student Chapter, Computer Society                                   | Ron Krauskopf          |
| 8. Unfinished Business   |                        |
| 9. New Business  |                        |
| 10. Time/Place of Next Meeting   |                        |
| 11. Adjourn  |                        |

NAME

Phone, if changed

✓ Ed Ellis

✓ Frank Fluet

✓ Sally Merry

✓ Geoffrey Dick

NEW BUSINESS

356-7752 / 2796

HOME

678-0979

✓ CARL F. SCHUNEMANN

✓ George F. McClure

✓ Larry P. Hue

✓ FRANK FLUET

✓ NORMAN H. LANTON 1111 DUCAN DRIVE 646-5548

365-9805

INTEC

WINTER SPRINGS FL 32708

✓ FRANK A. SAN FILIPPO

(Self-employed)

678-0104

678-0104

✓ George B. TACK JR

✓ Joe Massett

✓ Dan Paty

275-2816

855-3665

✓ Conrad Blankensee

351-9485

876-3577

✓ David E. Finchbaugh

✓ Alex Marton

293-4642

✓ JOHN CLIBERT

365-2363

859-5492

1 Minutes - ~~Discussed~~ <sup>move</sup> Passed (M<sup>s</sup> Clure / <sup>2<sup>nd</sup></sup> Dick)

Noted that minutes show correct date for PE/IA meeting in Feb., but section notes, page 12 shows wrong date.

2 Treasurers Report - attached. Passed (Ellis / <sup>move</sup> <sup>2<sup>nd</sup></sup> Track)

3 Chapters Report - Geoff Dick. - ~~made~~ March/April meeting schedules have started to arrive - Request others send in meeting notices. Feb. issue has some meeting notices of which Geoff was not aware. Geoff's address and both business phones should be listed in section notes.

Geoff Dick - Martin Manetta.

Mail Point 1156E Box 7

PO Box 5837

Orlando FL 32855

Bus. phone : 356-7152 or 356-2796

Computer Soc. March 12 : Computer Aided Eng.  
Apr 9 : LAN's

4 Programs - Banquet set up.

- a. April 26 meeting PACE Activities (Herb Hayre)
- b. Discussion of program and responsibilities for awards dinner

5 Public Relations - M<sup>s</sup> Clure - presented plans for Herb Hayre's April talk. - for publicity on meeting, M<sup>s</sup> Clure requests names of contacts for company news publications. See attached P R ~~note~~, report.

6. FES - Don Malocha plans to attend FES

Engineers week dinner, Feb 23

Steve Mellich of Schemmer Associates  
(896-0961) is contact for meeting.

Other meetings scheduled are

3/19 Legislative Report

4/12 Interaction of Landscape Architects  
and CE's

5/21 Engineering for the Grand Cypress  
Project.

7 Publications - Problems noted. PE/IA meeting date,  
was changed at the request  
of the speaker

8 Nominations Chair Ellis for Petz & Messett

Chairman - George Taack

V. Chair - Don Malocha

Secretary - Geoff Dick

Treasurer - Carl Schwesman

9 - Survey, By Laws, Centennial, Messett no reports.

10 AES - 30 attended last meeting - Bob Guanter  
of newly established Space Station office 1/24/85  
York Steak House on Colonial ~~St~~ (Fashion  
Square) proved very satisfactory as a meeting  
location.

11 - Computer - See

12 ED - Schuneman - Jan 28 meeting was economic break-even per Dick Zanowick.

13 AP/M77 - Feb meeting expected to be delayed per Schuneman.

14 PE/2A Next meeting Tue 2/19

March 19 "Patents" ~~3/19~~ 3/19  
in conflict with Comsoc meetings.

## 15 New Business

George McClure on USAB operations committee meeting in Orlando

asked if section had input - None.

(b) Southern expected to outgrow convention center in a couple of years. Mini/micro showing poorly.

(c) G. Reported poor response locally to satellite courses. Evidently problem is common.

Question if day of week, cost of course.

(d) G. states Ramada Inns pushes teleconferencing which may be a way to get programs locally.

(e) Career management conferences have 1-1½ day video-tape programs that are available to sections.

(f) Discussion of DOD restriction of engineering presentations on technologies having possible impact on security.

16 PACE - Gilbert - ~~Questions~~ Herb Hager  
talk may be scheduled for 5/25 rather  
than 5/26

17 Advertising - Gilbert - Pressing for more ads.  
Some improvement

18 USAB - Fluet - Centennial issue of section  
notes commended.

19 Next annual (3-day) PACE conference, labor  
day '85, to be in S.C.

20 - Next Exec Committee meeting March 5.

21 - Ellis ~~reported~~ suggested we need better  
handle as to company affiliation of  
section members

22 - Present memberships 1040

## MEETING REPORT

by

Madjid Belkerdid

The Communication Society meeting of January 28, 1985, was attended by 14 people.

Bryan Osmun of ASTRONET gave an interesting talk on cellular radio. The talk was followed by a questions and answers period and a tour of one of the three cell sites in Lake Mary.



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

March 7, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, April 9, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Donald C. Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

**IEEE Executive Committee Meeting  
Orlando Section**

**Date:** March 5, 1985

**Location:** Automation Intelligence, 1200 W. Colonial Dr., Orlando.

<b>Attendees:</b>	Frank Fluet Madjid Belkerdid Fred Wilcox Geoff Dick George Taack John Gilbert Woody Carter	Don Malocha Ed Ellis Conrad Blankenzee George McClure Carl Schunemann Steve Forsythe
-------------------	--	---

**MINUTES:**

1. Meeting called to order by Frank Fluet, Chairman.  
The necessary quorum was present.
2. The Feb. minutes were reviewed by attendees. It was noted that Victor Alas has left the section and is no longer on advertising. A motion was made to accept the minutes and was seconded. Motion passed.
3. **Treasurer's Report - Carl Schunemann:**  
  
Treasurer's report dated Mar. 5, 1985 is attached.  
A motion was made to accept the treasurer's report and was seconded. Motion passed.
4. **Chairman's Report - Geoffrey Dick:**  
  
No Report.
5. **Programs - George Taack/Conrad Blankenzee:**  
  
A review of the 1985 Awards Banquet expenses are attached. A total of 70 people attended; 34 members and 7 student members. Barb Hayre is still slated for a meeting on April 26. Details to follow very soon.
6. **Public Relations - George McClure: Absent.**
7. **Publications - Alex Marton: Absent.**  
Must get all notices to Alex by 15<sup>th</sup> of month for section notes.
8. **Advertising - John Gilbert:**  
  
Anyone interested in helping John in advertising, contact John or Frank Fluet.

9. Awards - Ben Patz: Absent.
10. Florida Engineering Society Liason - R.C. Harden: Absent.
11. PACE - John Gilbert: No Report.
12. Education - Fred Simons: Absent  
Robotics teleconference was extremely weak. This activity will probably be discontinued.
13. Student Activities - Don Malocha:  
Student activities report attached.
14. Membership Development - Woody Carter:  
Report attached.
15. By-Laws - George McClure: Absent
16. Historian- Russ Theisen: Absent
17. Member at Large - Joe Massett: Absent

#### CHAPTER REPORTS

18. AEES - Dave Flinchbaugh: Absent
19. Communication - Madjid Belkerdid:  
The IEEE Sonics & Ultrasonics National Lecturer, Art Ballato, will speak on Mar. 19. See February Section Notes.
20. Computer Society - Steve Forsythe:  
Computer Society will co-sponsor with UCF Computer Science Dept. a distinguished lecture series. Five meetings are planned. The first 3 meetings will be on April 5, 10 and 24. Details will be in section notes. Meetings will be from 6:00-7:30 pm in the Computer Center, Room 103.
21. Electron Device Society - Ralph M. Mindock: Absent
22. MTT/AP - Fred Wilcox:  
National Lecturer; see attached announcement.
23. PES/IAS - Mike Haddad:  
February 19 meeting was attended by 13 people. Next meeting will be in May; speaker will be a patent attorney.

24. Student Branch IEEE - Steve McKenna: No report..
25. Student Chapter, Computer Society- Ron Krauskopf: No Report..
26. Unfinished Business: None
27. New Business:

a) See Chairman's Notes.

b) Chairman will request a 10 min. summary by George McClure on his experiences of organizing a conference. It was noted that a team effort is probably necessary to avoid burn out.

c) Don Malocha proposed the section support establishment of a student branch fund. Companies would be asked to help sponsor the IEEE student branch activities on a yearly basis. It was the committee consensus that this would best be handled informally by giving aid in making company contacts. Help in this area will be solicited in the future from the committee.

28. Meeting adjourned.

29. Time/Place of next meeting:

April 9, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

disk:ieee  
file:ieeexcl3

### Chairman's Notes

1. The Awards Banquet held February 16th at the Langford was a success. Many thanks to our Awards Chairman, Ben Patz, for overseeing the selection process and preparing the awards. Also thanks to the Program Chairman, Conrad Blankenzee, for arranging two very entertaining speakers. George Taack, our Vice Chairman, set-up the excellent location and food. In particular, the awards nominators - Dave Flinchbaugh, Madjid Belkerdid, Jorge Medina, Don Malocha, Carl Schunemann and Mike Haddad did an excellent job. Well Done!!
2. I have received a letter from Irwin Feerst concerning Age Discrimination. On the recommendation of the Florida Council, I forwarded the letter to Art Greene (see attached). Also attached is a pertinent article I have since run across in "EE TIMES".
3. The Chairman of the FCIEEE, Debbie Powers, again requests that a copy of all speaker reports (yellow sheets 'L-31') be sent to her via our secretary and include:
  - a. brief evaluation
  - b. speaker's address
  - c. speaker's telephone number  
(the phone number is important for quick access to speaker by other Sections!)
4. Region 3 is producing a video tape for "Section Officer's Training". This should be very helpful to new Executive Committee members.
5. I have ordered and received two copies of Section members sorted by company affiliation. I will give one to George McClure to help establish contacts at various corporations for P.R. The other is available for circulation to whoever needs it.

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
MARCH 5, 1985

CHECKING ACCOUNT BALANCE, \$ 2,010.83  
FEB. 5, 1985 TREASURER'S REPORT.

DEPOSITS:

2-20-85 AWARDS BANQUET TICKET \$532.00  
RECEIPTS DEPOSITED BY GEORGE TACK

2-23-85 HAMMOND ELECTRONICS #3115, \$130.00  
NEWSLETTER ADDS, FEB. + MARCH.

TOTAL DEPOSITS: \$ 662.00

DISBURSEMENTS:

# 1182 FRANK FLUET, EXECUTIVE \$9.56  
COMMITTEE MTG. REFRESHMENTS,  
1-8-85, \$5.58; 2-5-85, \$3.98

# 1183 ALEX MARTON \$99.19  
FEBRUARY MAILING POSTAGE, \$8.00  
POSTAGE FOR 3 TOWNSHIPS, \$1.11  
PERMIT FOR SURVEY RETURN, \$40.00

# 1184 BRYANT MARSHALL \$35.00  
IEEE SPONSORSHIP, FES  
ENGINEERS' WEEK BANQUET  
(PER 2-7-85 TELECOM, DR. HARDEN)

PAGE -

IEEE ORLANDO SECTION, TREASURER'S REPORT  
MARCH 5, 1985 ~ CONTINUED

# 1185 DICK ZANOWICK, \$49.75  
REIMBURSEMENT FOR E.D.  
BANQUET TICKET CHECKS  
DEPOSITED ON 1-19-85

# 1186 LANGFORD HOTEL, \$1225.12  
AWARDS BANQUET  
TOTAL DISBURSEMENTS: \$ 1418.62

SUMMARY:

CHECKING ACCOUNT, 2-5-85 REPORT \$2,010.83  
PLUS DEPOSITS 662.00  
SUB-TOTAL \$ 2,672.83  
LESS DISBURSEMENTS 1,418.62  
CHECKING ACCOUNT BALANCE, 3-5-85 \$ 1,254.21

PLUS DREYFUS FUND BALANCE, 3-5-85 \$3,548.84

TOTAL FUNDS \$ 4,803.05

RESPECTFULLY SUBMITTED,

Carl F. Schunemann  
CARL F. SCHUNEMANN  
TREASURER.

**IEEE**  
**COMPUTER SOCIETY**  
**MEETING ANNOUNCEMENT**

**DATE:** 23 APRIL, 1985

**TIME:** 7:30 P.M.

**PLACE:** KANE FURNITURE CONFERENCE ROOM  
2601 E. COLONIAL DRIVE, ORLANDO

**SPEAKER:** TOM MCDERMITT, REGIONAL MANAGER OF  
MENTOR GRAPHICS.

**TOPIC:** AUTOMATING ELECTRONIC ENGINEERING  
DESIGN WITH ENGINEERING WORKSTATIONS

FOR MORE INFORMATION CONTACT JORGE MEDINA AT  
834-9600 (WORK) OR 281-1557 (HOME).



**IEEE**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

F. A. Fluet, Chairman  
Orlando Section, IEEE

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

February 25, 1985

**MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR FEBRUARY 1985**

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1040 as of <sup>12-31-84</sup>~~1-31-85~~.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<sup>12-31-84</sup> <del>1-31-85</del>
A	New Election to Membership	1
B	Reinstatement to Membership	1
C	Arrears Paid	1
E	Moving Into Section	10
H	Transfer In Member Grade	3
I	Moving Out Of Section	5
K	Went Into Dues Arrears	0
M	Deceased	0

W. C. Carter  
Membership Development Chairman

1985 Awards Banquet  
2-16-85

Don M

Income

Member ticket sales (34 @ \$15.00) \$510.00

Student ticket sales (7 @ \$10.00) 70.00

Total Income \$580.00

Expenses

Langford Hotel (70) \$1225.12

Speaker's drinks 18.00

Postage for mailings 10.44

Misc 4.16

Total Expenses \$1257.72

Total funds expended \$ 677.72

Budget 920.00

Cost of banquet (above budget amount) + 242.28



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

March 4, 1985

Donald C. Malocha  
Student Branch Advisor

Student Branch Activities

In February, the University of Central Florida College of Engineering held Engineer's Week. The IEEE Student Branch participated in the fair and presented their project on a TV Satellite Receiving System. The system included a 12 foot dish, low noise amplifier and horn and the down converter system. Over 35 students participated and over a thousand man hours were expended in support of the project. In addition to the time, over a \$1000 of parts and donations were contributed to the project. Harris Corp. also donated a complete 10 foot dish TV receiving system. This system was used as a test bed for trouble shooting the student's system. The student system was made operational; receiving both sound and picture. The IEEE student project was judged the most outstanding project presented and a plaque will be given to the Student Branch. It is hoped that both systems will be used for further investigations in support of the UCF communication's graduate program and in support of the IEEE Student Branch.

A poster presentation on Surface Acoustic Wave Device Fabrication by A.J. Vigil and Ray Yap, both IEEE student members, won them the best individual project award.

## MEETING NOTICE

ORLANDO SECTION IEEE  
MTT & AP SOCIETY

### SPEAKER

DR. PAUL T. GREILING  
DISTINGUISHED MICROWAVE LECTURER

DR. GREILING (S'64 - M'69 - SM'82) IS PRESENTLY AN ADJUNCT PROFESSOR IN THE ELECTRICAL SCIENCES AND ENGINEERING DEPARTMENT AT UCLA AND IS HEAD OF THE GaAs IC DESIGN AND ANALYSIS SECTION WORKING ON BOTH PHOTOLITHOGRAPHY AND ELECTRON-BEAM FABRICATED HIGH-SPEED GaAs LOGIC CIRCUITS. HE RECEIVED THE BSEE AND BS DEGREE IN MATHEMATICS IN 1963, THE MSEE DEGREE IN 1964, AND THE PHD DEGREE IN 1970 FROM THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. SINCE RECEIVING HIS PHD, HE HAS HAD A DISTINGUISHED CAREER OF BOTH TEACHING AND WORKING IN INDUSTRY THAT INCLUDES NORTHEASTERN UNIVERSITY, M.I.T.-LINCOLN LABORATORY, SANDIA LABORATORY AND HUGHES RESEARCH LABORATORY.

### TOPIC

HIGH SPEED DIGITAL IC PERFORMANCE OUTLOOK

PLACE AND TIME: HEWLETT PACKARD COMPANY; LAKE ELLENOR DRIVE, APRIL 10, 1985 - 5:30PM  
DINNER AT GARY'S DUCK INN AFTER THE TALK

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

March 7, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, April 9, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Donald C. Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

**IEEE Executive Committee Meeting  
Orlando Section**

**Date:** March 5, 1985

**Location:** Automation Intelligence, 1200 W. Colonial Dr., Orlando.

<b>Attendees:</b>	Frank Fluet Madjid Belkerdid Fred Wilcox Geoff Dick George Taack John Gilbert Woody Carter	Don Malocha Ed Ellis Conrad Blankenzee George McClure Carl Schunemann Steve Forsythe
-------------------	--	---

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Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

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1. The Awards Banquet held February 16th at the Langford was a success. Many thanks to our Awards Chairman, Ben Patz, for overseeing the selection process and preparing the awards. Also thanks to the Program Chairman, Conrad Blankensee, for arranging two very entertaining speakers. George Taack, our Vice Chairman, set-up the excellent location and food. In particular, the awards nominators - Dave Flinchbaugh, Madjid Belkerdid, Jorge Medina, Don Malocha, Carl Schunemann and Mike Haddad did an excellent job. Well Done!!
2. I have received a letter from Irwin Feerst concerning Age Discrimination. On the recommendation of the Florida Council, I forwarded the letter to Art Greene (see attached). Also attached is a pertinent article I have since run across in "EE TIMES".
3. The Chairman of the FCIEEE, Debbie Powers, again requests that a copy of all speaker reports (yellow sheets 'L-31') be sent to her via our secretary and include:
  - a. brief evaluation
  - b. speaker's address
  - c. speaker's telephone number  
(the phone number is important for quick access to speaker by other Sections!)
4. Region 3 is producing a video tape for "Section Officer's Training". This should be very helpful to new Executive Committee members.
5. I have ordered and received two copies of Section members sorted by company affiliation. I will give one to George McClure to help establish contacts at various corporations for P.R. The other is available for circulation to whoever needs it.

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
MARCH 5, 1985

CHECKING ACCOUNT BALANCE, \$ 2,010.83  
FEB. 5, 1985 TREASURER'S REPORT.

DEPOSITS:

2-20-85 AWARDS BANQUET TICKET \$ 532.00  
RECEIPTS, DEPOSITED BY GEORGE THACK

2-23-85 HAMMOND ELECTRONICS #3115, \$ 130.00  
NEWSLETTER ADDS, FEB. & MARCH.

TOTAL DEPOSITS: \$ 662.00

DISBURSEMENTS:

# 1182 FRANK FLUET, EXECUTIVE \$ 9.56  
COMMITTEE MTG. REFRESHMENTS,  
1-8-85, \$ 5.58; 2-5-85, \$ 3.98

# 1183 ALEX MARTON \$ 99.19  
FEBRUARY MAILING POSTAGE, \$ 52.08  
POSTAGE FOR 3 ADVERTISEMENTS, \$ 1.11  
PERMIT FOR SURVEY RETURN, \$ 40.00

# 1184 BRYANT MARSHALL \$ 35.00  
IEEE SPONSORSHIP, FES  
ENGINEERS' WEEK BANQUET  
(PER 2-7-85 TULSW, DR. HARDEN)

IEEE ORLANDO SECTION, TREASURER'S REPORT  
MARCH 5, 1985 ~ CONTINUED

# 1185 DICK ZANDWICK, \$ 49.75  
REIMBURSEMENT FOR E.D.  
BANQUET TICKET CHECKS  
DEPOSITED ON 1-19-85

# 1186 LANGFORD HOTEL, \$ 1225.12  
AWARDS BANQUET  
TOTAL DISBURSEMENTS: \$ 1418.62

SUMMARY:

CHECKING ACCOUNT, 2-5-85 REPORT \$ 2,010.83  
PLUS DEPOSITS 662.00  
SUB-TOTAL \$ 2,672.83  
LESS DISBURSEMENTS 1,418.62  
CHECKING ACCOUNT BALANCE, 3-5-85 \$ 1,254.21

PLUS DREYFUS FUND BALANCE, 3-5-85 \$ 3,548.84  
TOTAL FUNDS \$ 4,803.05

RESPECTFULLY SUBMITTED,

Carl F. Schunemann  
CARL F. SCHUNEMANN  
TREASURER.

1985 Awards Banquet  
2-16-85

Don M

Income

Member ticket sales (34 @ \$15.00) \$510.00

Student ticket sales (7 @ \$10.00) 70.00

Total Income \$580.00

Expenses

Langford Hotel (70) \$1225.12

Speaker's drinks 18.00

Postage for mailings 10.44

Misc 4.16

Total Expenses \$1257.72

Total funds expended \$ 677.72

Budget 920.00

Cost of Banquet (above budget amount) \$ 242.28



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

March 4, 1985

Donald C. Malocha  
Student Branch Advisor

Student Branch Activities

In February, the University of Central Florida College of Engineering held Engineer's Week. The IEEE Student Branch participated in the fair and presented their project on a TV Satellite Receiving System. The system included a 12 foot dish, low noise amplifier and horn and the down converter system. Over 35 students participated and over a thousand man hours were expended in support of the project. In addition to the time, over a \$1000 of parts and donations were contributed to the project. Harris Corp. also donated a complete 10 foot dish TV receiving system. This system was used as a test bed for trouble shooting the student's system. The student system was made operational, receiving both sound and picture. The IEEE student project was judged the most outstanding project presented and a plaque will be given to the Student Branch. It is hoped that both systems will be used for further investigations in support of the UCF communication's graduate program and in support of the IEEE Student Branch.

A poster presentation on Surface Acoustic Wave Device Fabrication by A.J. Vigil and Ray Yap, both IEEE student members, won them the best individual project award.

**IEEE**  
**COMPUTER SOCIETY**  
**MEETING ANNOUNCEMENT**

**DATE:** 23 APRIL, 1985

**TIME:** 7:30 P.M.

**PLACE:** KANE FURNITURE CONFERENCE ROOM  
2601 E. COLONIAL DRIVE, ORLANDO

**SPEAKER:** TOM MCDERMITT, REGIONAL MANAGER OF  
MENTOR GRAPHICS.

**TOPIC:** AUTOMATING ELECTRONIC ENGINEERING  
DESIGN WITH ENGINEERING WORKSTATIONS

FOR MORE INFORMATION CONTACT JORGE MEDINA AT  
834-9600 (WORK) OR 281-1557 (HOME).



**IEEE**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

February 25, 1985

**MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR FEBRUARY 1985**

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1040 as of <sup>12-31-84</sup>~~1-31-85~~.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	<sup>12-31-84</sup> <del>1-31-85</del>
A	New Election to Membership	1
B	Reinstatement to Membership	1
C	Arrears Paid	1
E	Moving Into Section	10
H	Transfer In Member Grade	3
I	Moving Out Of Section	5
K	Went Into Dues Arrears	0
M	Deceased	0

*W. C. Carter*  
W. C. Carter  
Membership Development Chairman

MEETING NOTICE

ORLANDO SECTION IEEE  
MTT & AP SOCIETY

SPEAKER

DR. PAUL T. GREILING  
DISTINGUISHED MICROWAVE LECTURER

DR. GREILING (S'64 - M'69 - SM'82) IS PRESENTLY AN ADJUNCT PROFESSOR IN THE ELECTRICAL SCIENCES AND ENGINEERING DEPARTMENT AT UCLA AND IS HEAD OF THE GaAs IC DESIGN AND ANALYSIS SECTION WORKING ON BOTH PHOTOLITHOGRAPHY AND ELECTRON-BEAM FABRICATED HIGH-SPEED GaAs LOGIC CIRCUITS. HE RECEIVED THE BSEE AND BS DEGREE IN MATHEMATICS IN 1963, THE MSEE DEGREE IN 1964, AND THE PHD DEGREE IN 1970 FROM THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. SINCE RECEIVING HIS PHD, HE HAS HAD A DISTINGUISHED CAREER OF BOTH TEACHING AND WORKING IN INDUSTRY THAT INCLUDES NORTHEASTERN UNIVERSITY, M.I.T.-LINCOLN LABORATORY, SANDIA LABORATORY AND HUGHES RESEARCH LABORATORY.

TOPIC

HIGH SPEED DIGITAL IC PERFORMANCE OUTLOOK

PLACE AND TIME: HEWLETT PACKARD COMPANY; LAKE ELLENOR DRIVE, APRIL 10, 1985 - 5:30PM

DINNER AT GARY'S DUCK INN AFTER THE TALK

DATE: March 5, 1985

### 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	CARL F. SCHUMMANN	✓	✓	✓
✓3	Contact Blankensee		✓	—
4	WOODY CARTER	—	—	—
5	STEVE FORSYTHE		244-1166 ✓	✓
✓6	Ed Elys	—	✓	✓
✓7	George TAACK		✓	✓
✓8	Fred P. Wilcox		✓	✓
✓9	DON MALOCHA		—	✓
10	JOHN ALBERT		✓	✓
✓	Mary's Belknap		✓ <del>244-1166</del>	699-4890

# Minutes

Treasurers - approved.

Minutes - remove Vic Alas from Advest approved.

New business - discussion of Lockheed ad.

See Chairman's notes.

Programs - 34 mem + guests + 7 students  
70 people attended  
29 people "freebies"

See awards banquet budget

Harb Hayre - April 26

Advertising - John Oct, Nov, Dec, Jan, Feb.  
4 invoices Bill Kownacki H.P. invoice lost ~ \$600.00  
outstanding

Awards - absent.

FES - absent.

PACE - no inputs.

Students - Centennial banner stolen. See announce.

Seof Dick - trying to resolve Dean X's demise.

Try to get Madjid.

Simons - Vince Amico Robites Conf is very weak. Continue w/short

Mem Dev. - Report attached. course.

Survey Comm - record 40 surveys

Comp. Society - distinguished lecturer series  
= 5 meeting

Apr. 5, 10, 24 student meetings

Apr. 5 Dr. Dharma Agrawal	(6-7:30) Comp. Center 103
10 Dr. Faye Briggs <sup>Pres. Univ</sup>	
24 Dr. Geneva Belford <sup>UofT</sup>	

ED no report

AP/MTT Apr. 10 see announcement  
Disting. Lecturer

6 Hz logic

PE/IA - meeting held 13 attended

next meeting in May - patent attorney

g. No report

New business

(Request a 10 min summary of experience putting on Confer.  
Need to establish a team to avoid burn-out  
Table conf. to next meeting

Next meeting date: April 9.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

February 10, 1985

Dr. Donald C. Malocha  
409 Bay Tree Lane  
To: Longwood, Fl. 32779

The next Executive Committee meeting will be:

Tuesday, March 5, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Donald C. Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
FEBRUARY 5, 1985

Checking Account Balance  
January 8, 1985 Treasurer's Report \$2,974.12

Deposits:

1-19-85	E.D. Society Dinner Mtg. (1-14-85) Receipts, 5 Checks @ \$10	\$50.00
11-23-84	Deposit by George Taack, Not Previously Recorded, 11-1-84 Dinner Mtg., Ticket Receipts	\$438.00
2-2-85	Hammond Electronics, Check #32497 Dated 1-23-85, Newsletter Advt.	\$65.00
2-2-85	UCF Check #223355, Newsletter Advt.	\$75.00
Total Deposits		\$628.00

Disbursements:

#1174	Don Malocha Dec. Section Mailing (35 @ 20¢) E.D. Society Mailing (35 @ 20¢)	\$14.00
#1175	John Gilbert Mailing of Newsletter Advt. Invoices	\$4.00
#1176	Orlando Airport Marriott Unpaid Balance, 11-1-84, Dinner Mtg.	\$15.95
#1177	Altamonte Data Processing, Invoice #16154, Dated 1-4-85 Newsletter Labeling, Sort, Bag, Delivery to Post Office	\$37.03
#1178	Alex B. Marton 1985 Bulk Mail Fee, \$40.00 Bulk Mail Fee, \$60.00	\$100.00
#1179	Seminole House Printers January Section Notes, Invoice #7922 of 1-11-85	\$707.43
#1180	Altamonte Data Processing Invoice #16101 of 12-5-84, Not Previously Paid, Newsletter Labeling and Mailing Services	\$37.89
#1181	Seminole House Printers February Section Notes, Invoice #8083 of 1-31-85 Barnett Bank Charge, New Checkbook, 12-23-84	\$660.19
Total Disbursements:		\$1,591.29

Summary:

Checking Account, 1-8-85 Report	\$2,974.12
Plus Deposits	<u>628.00</u>
Sub Total	\$3,602.12
Less Disbursements	<u>\$1,591.29</u>
Checking Account Balance, 2-5-85	\$2,010.83
Plus Dreyfus Fund Balance 2-1-85	<u>\$3,523.84</u>
Total Funds	\$5,534.67

Respectfully submitted,

*Carl F. Schunemann*  
Carl F. Schunemann  
Treasurer

**IEEE Executive Committee Meeting  
Orlando Section**

**Date:** February 5, 1985

**Location:** Automation Intelligence, 1200 W. Colonial Dr., Orlando.

<b>Attendees:</b>	<b>Frank Fluet</b> <b>Norman Lawton</b> <b>Joe Massett</b> <b>Dave Flinchbaugh</b> <b>Geoff Dick</b> <b>George Taack</b> <b>Carl Schunemann</b> <b>John Gilbert</b>	<b>Sally Merry</b> <b>Ed Ellis</b> <b>Conrad Blankenzee</b> <b>Ben Patz</b> <b>George McClure</b> <b>Frank San Filippo</b> <b>Alex Marton</b> <b>Larry Hull</b>
-------------------	--	--

**MINUTES:**

1. Meeting called to order by Frank Fluet, Chairman.  
The necessary quorum was present.
2. The Jan. minutes were reviewed by attendees. It was noted that the minutes showed the correct date for the PE/IA meeting in Feb. but the section notes (Pg. 12) were incorrect. A motion was made to accept the minutes and was seconded. Motion passed.

**3. Treasurer's Report - Carl Schunemann:**

Treasurer's report dated Feb. 5, 1985 is attached.  
A motion was made to accept the treasurer's report and was seconded. Motion passed.

**4. Chairman's Report - Geoffrey Dick:**

March/April meeting notices have started to arrive. Please send all others ASAP. Send to:  
Geoff Dick MP 1156E, Box 7  
Martin Marietta  
PO Box 5837  
Orlando, Fl. 32855

**5. Programs - George Taack/Conrad Blankenzee:**

A discussion of upcoming banquets was held. The awards dinner was discussed and program responsibilities were assigned. April meeting of PACE activities is planned with Harb Hayre.

**6. Public Relations - George McClure:**

Presented plans for Harb Hayre April talk. See attached report.

**7. Publications - Alex Marton:**

PE/IA meeting date was changed at the request of the speaker.

**8. Advertising - John Gilbert/Victor Alas:**

Still attempting to increase the number of advertisers.

**9. Awards - Ben Patz:**

Awards banquet is Saturday, Feb. 16.

Section nominations for officers:

Chairman-George Taack

Vice-Chairman - Don Malocha

Secretary - Geoff Dick

Treasurer - Carl Schuenemann

**10. Florida Engineering Society Liason - R.C. Harden:**

Don Malocha plans to attend FES Engineers week dinner, Feb. 23. Steve Mellich of Schemmer Assoc. is contact (896-0961). Other meetings are:

3/19 - Legislative report.

4/16 - Interaction of landscape Architects & CE's.

5/21 - Engineering for the Grand Cypress Project.

**11. PACE - John Gilbert:**

Harb Hayre may be scheduled for April 25 rather than April 26.

**12. Education - Fred Simons: Absent**

**13. Student Activities - Don Malocha: Absent.**

**14. Membership Development - Woody Carter:**

Report attached.

**15. By-Laws - George McClure: No Report.**

**16. Historian- Russ Theisen: Absent**

**17. Member at Large - Joe Massett: No report**

**CHAPTER REPORTS**

**18. AEES - Dave Flinchbaugh:**

Bob Gunter spoke of the newly established Space Station Office at the Jan. 24 meeting in which 30 people attended. Meeting was held at York Steak House and was a satisfactory meeting location.

**19. Communication - Madjid Belkerdid:**

Absent. Report was provided. Meeting on Jan. 28 was attended by 14 people. Bryan Osmun of Astronet gave the talk on cellular radio. A tour of one Lake Mary cell site was conducted.

The IEEE Sonics & Ultrasonics National Lecturer, Art Ballato, will speak on Mar. 19. See attached meeting announcement.

**20. Computer Society - Steve Forsythe:**

Absent. Report of meetings to be held:  
March 12 - Computer Aided Engineering  
April 9 - LAN's

**21. Electron Device Society - Ralph M. Mindock:**

Absent. Jan. 24 meeting was economic break-even as reported by Dick Zanowick to Carl Schuenmann.

**22. MTT/AP - Fred Wilcox:**

Absent. Feb. meeting expected to be delayed.

**23. PES/IAS - Mike Haddad:**

Next meeting is Tues. Feb. 19. March 19 meeting on Patents is planned. This is in conflict with Comm. Sec. meeting.

**24. Student Branch IEEE - Steve McKenna: No report.**

**25. Student Chapter, Computer Society- Ron Krauskopf: No Report.**

**26. Unfinished Business: None**

**27. New Business:**

George McClure reported on USAB operations committee in Orlando:

- a) asked if section had input, none given.
- b) Southcon expected to outgrow convention center in a couple of years. Mini/Micro showing poorly.
- c) There is poor response locally to satellite courses.
- d) Ramada Inn promotes teleconferencing which may be a way to get programs locally.
- e) Career Management Conferences have 1-1.5 day programs that are available to the section.
- f) Discussion of DOD restriction of engineering presentations on technologies have possible impact on national security.

Frank Fluett reported Section Centennial issue notes were commended by USAB.

Ed Ellis suggested we need better handle as to company affiliation of section members.

**28. Meeting adjourned.**

**29. Time/Place of next meeting:**

March 5, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

IEEE  
COMMUNICATION SOCIETY  
MEETING ANNOUNCEMENT

DATE: March 19, 1985

TIME: 5 - 6 Cash Bar  
6 - 7 Dinner (\$9.50, Beef OR Seafood)  
7 - Guest Speaker

PLACE: GARY'S DUCK INN on S.O.B.T.

SPEAKER: Arthur Ballato, IEEE  
Sonics and Ultrasonics Group  
National Lecturer

TOPIC: Frequency and Time Sources -  
Past, present, and future

FOR RESERVATIONS: Call before March 10, 1985

Madjid Belkerdid at (Work) 275-2324  
(Home) 699-4890



**A**RTHUR BALLATO (S'55-M'59-SM'71-F'81) received the S.B. degree in electrical engineering from the Massachusetts Institute of Technology, Cambridge, in 1958, the M.S. degree in electrical engineering from Rutgers University, New Brunswick, NJ, in 1962, and the Ph.D. degree in electrophysics from the Polytechnic Institute of New York, Brooklyn, in 1972.

In 1958 he joined what was the Army Signal Corps R&D Labs and is now the U.S. Army Electronics R&D Command, Fort Monmouth, NJ. Since that time he has worked on analytical and experimental aspects of frequency control and selection. Specific areas of interest include evaluation of material constants of quartz and other piezoelectric substances, development of equivalent networks for bulk and SAW resonators, filter crystal and crystal filter design, measurement of circuit parameters of signal processing devices and precision resonators, development of crystal parameter measurement equipment, and growth of

high-purity quartz. Most recently, he has investigated the properties of stress- and thermal-transient-compensated resonators and high frequency, stable sources. These results have been presented at the Ultrasonics, Frequency Control, Microwave, Circuits and Systems, and other symposia, and published in over 100 articles and patents.

Dr. Ballato is a member of the American Physical Society and Sigma Xi, and is a Chartered Engineer of the Institution of Electrical Engineers (London). He was recipient of the 1978 C. B. Sawyer Memorial Award "for contributions in the field of piezoelectric crystals such as: stacked filters, electric circuit analogs and stress effects in doubly rotated plates," and received the U.S. Army Research & Development Achievement Award for 1980. This is the highest R&D award bestowed by the U.S. Army, and was given "in recognition of major contributions to the state-of-the-art of high precision frequency control."

Dr. Ballato serves on the Technical Program Committee of the Annual Frequency Control Symposium, and was Chairman in 1982. He is a member of the Administrative Committee of the IEEE Sonics and Ultrasonics Group, and is its Technical Activities Chairman. He is also a member of the Technical Advisory Group TC-49 (Piezoelectric Crystals) of the International Electrotechnical Commission.



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

January 29, 1985


MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR JANUARY 1985

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1028 as of 11-30-84.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>12-31-84</u>
A	New Election to Membership	4
B	Reinstatement to Membership	0
C	Arrears Paid	2
E	Moving Into Section	13
H	Transfer In Member Grade	2
I	Moving Out Of Section	7
K	Went Into Dues Arrears	0
M	Deceased	0

  
W. C. Carter  
Membership Development Chairman

## PUBLIC RELATIONS

A press release is planned on Harb Hayre's talk to the Orlando Section, billed as centering on pension benefits for engineers, and other initiatives being undertaken by PACE. Dr. Hayre has promised to supply a photo, biography, and description of the program to John Gilbert. We will reproduce copies of the photo and prepare the press release for print and electronic media.

This topic should be of interest to non-members as well, so that we may have a large attendance. Efforts will be made to get notices in various company house organs of firms employing engineers.

Members are requested to provide contact information for editors of the newspapers published by their companies to George McClure, phone 356-3782, or by mail at 1730 Shiloh Lane, Winter Park, FL 32789-5847.

George McClure  
2-5-85

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
March 5, 1985

AGENDA

1. Introductions & Review Agenda Frank Fluet
2. Approval of previous minutes. Don Malocha
3. Treasurer's Report Carl Schunemann
4. Chapters Chairmen Representative Geof Dick
5. Standing Committee Reports
  - a. Programs Conrad Blankenzee
  - b. Public Relations George McClure
  - c. Publications Alex Marton
  - d. Advertising John Gilbert
  - e. Awards Ben Patz
  - f. Florida Engineering Soc. Liaison Richard Harden
  - g. PACE John Gilbert
  - h. Student Activities Don Malocha
  - i. Education Fred Simons
  - j. Membership Development Woody Carter
6. Special Committees
  - a. Survey Committee Conrad Blankenzee
  - b. By-Laws George McClure
  - c. Historian Russ Theisen
  - d. SOUTHCON '86 Bruce Mathews
  - e. Member-at Large Joe Massett
7. Chapter Reports
  - a. Aerospace and Electronic Systems Society Dave Flinchbaugh
  - b. Communications Society Madjid Belkerdid
  - c. Computer Society Steve Forsythe
  - d. Electron Devices Society Ralph M. Mindock
  - e. Antennas and Propagation/Microwave Theory and Techniques Society Fred Wilcox
  - f. Power Engineering/Industry Applications Society Michael Haddad
  - g. Student Branch IEEE Steven D. McKenna
  - h. Student Chapter, Computer Society Ron Krauskopf
8. Unfinished Business
9. New Business
  - a. Letter from Irwin Feerst (Age Discrimination) Frank Fluet
  - b. Report of FCIEEE Meeting, February 9 Frank Fluet
  - c. Chairman's Notes Frank Fluet
10. Time/Place of Next Meeting
11. Adjourn

3

COMMITTEE OF CONCERNED E.E.S

P. O. Box 19  
Massapequa Park, N.Y. 11762

We do things FOR America's engineers, not TO them!

3 February, 1985

Mr. Frank A. Fluet  
96 Sweetbriar Branch  
Longwood, FL 32750

Dear Mr. Fluet:

I am writing to you in your capacity as an officer of IEEE's Orlando section to bring to your attention a horrible example of age discrimination in the hiring of engineers within your section.

I have enclosed a copy of an ad placed by Lockheed that appeared in the January 20, 1985 issue of The Orlando Sentinel. You will note the frequent use of the words "new grads" and "recent graduates". Many, many years ago, it has been ruled that such wording in ads was in clear violation of the Age Discrimination in Employment Act.

I would suggest that the Orlando Section's Executive Committee be called into emergency session and draft a very strongly worded letter of protest to Lockheed.

The American engineering community awaits your action. Every moment lost results in qualified, but older, engineers being deprived of jobs.

Fraternally,

  
Irwin Feerst

4

ENGINEER

## TECHNICAL NEW GRADS

This may be your opportunity to be a contributing member of the Manned Space Program.

Lockheed Space Operations Company (LSOC), is the prime contractor to NASA and the U.S. Air Force for the Shuttle Processing Contract. This long range contract involves our employees in the Support Engineering of the orbiters' on board equipment and associated ground support systems. If you join our Support Team, you'll be involved in the operational testing, modification and enhancements of the orbiters' on board and ground support system.

LSOC presently has an immediate opportunity for 40 to 50 new graduates. Like yourself, to join our Operations Engineering Team. Our current openings are with the Air Forces' Vandenberg Launch Support Team (VLST).

As a member of VLST you will initially be employed as an associate engineer (salary \$460/wk), assigned to the Kennedy Space Center, Florida, for training and certification. Further, after certification, you will become a permanent member of the VLST and be permanently reassigned to Lompoc, California.

If you are a recent graduate in Electrical Engineering, Mechanical Engineering, Aerospace Engineering with a COMP/SCI complement or an engineering COMP/SCI graduate, and wish to explore these opportunities further, please CALL DON QUIRK COLLECT at (305) 268-4070, January 21st through February 9th, (until 7 pm - EST), for telephone interview. If all goes well, you may be on the team by mid-February. If unable to call, please send resume for immediate consideration to:

**Don Quirk.**

**Lockheed Space Operation Company**  
P.O. Box 2807 Titusville, FL 32781 - 2807

 **Lockheed Space Operations Company**

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Engineers

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IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

Frank A. Fluet  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

February 28, 1985

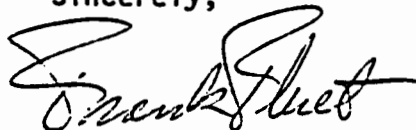
Mr. Arthur N. Greene  
PACE Chairman  
Florida Council, IEEE  
340 Diana Boulevard  
Merritt Island, FL 32952

Dear Art:

I am enclosing a recent letter from Irwin Feerst concerning a possible violation of age discrimination laws. Since the advertisement appeared in the Orlando Sentinel, Mr. Feerst is looking for a statement of protest from the Orlando Section.

I am not qualified to judge the merits of the accusations by Mr. Feerst. I would appreciate it if you could bring this matter to the attention of the USAB Age Discrimination Committee for evaluation, and if you would inform me if any action is warranted by the Orlando Section.

Sincerely,



Frank Fluet  
Chairman, Orlando Section

# Lockheed Ad For 'New' Grads Violates Law, Commission Says

## Equal Employment Opportunity Commission To Probe Possible Age Discrimination By Space Operation Division

By Matthew J. Doherty

The Equal Employment Opportunity Commission (EEOC), said recently that Lockheed Space Operation Co. violated the Age Discrimination and Employment Act when it advertised recently for "technical new grads" and "recent" graduates in electrical engineering and other engineering disciplines.

An EEOC attorney said the Commission will probably launch an investigation into the matter.

On Jan. 20, a Lockheed division based in Titusville, Fla., ran an advertisement in *The Orlando Sentinel*, seeking "new grads" to join its operations-engineering team. The advertising copy used the terminology "new grads," "new graduates" and "recent graduate" in soliciting employment applications for open positions with the U.S. Air Force Vandenberg Launch Support Team.

One section of the advertisement read: "LSOC (Lockheed) presently has an immediate opportunity for 40 to 50 new graduates, like yourself . . ."

"It's clearly a violation," said Paul Brenner, acting Age Discrimination Em-

ployment Act counsel within the EEOC. "I have no doubt the courts will find it to be a violation."

### Wording Discriminatory

Brenner cited a 1975 ruling, handed down by the 4th U.S. Circuit Court of Appeals, which found the words "recent graduates" to be discriminatory when used in employment advertising.

The decision, as recorded in the *Federal Reporter* (529F.2d760), read: "When these same words are used in reference to specific employment opportunities, we think there is an implication that persons older than the normal 'recent grad' need not apply, thus such ads violate the Act."

Brenner noted that the U.S. Code clearly "prohibits such ads."

Brenner said the EEOC will probably take some form of legal action against Lockheed. "At the very least, we're thinking about going for an injunction or for damages if anyone was discouraged from applying."

Brenner called the Lockheed advertisement a "smoking gun," and predicted

the Commission "will be excited" about it because such blatant ads are rarely found. "It doesn't happen too often," he stated. "They (employers) may want recent grads, but they are usually not stupid enough to advertise that way."

Don Quirk, human resources manager for Lockheed Space Operation Co., said he wrote the advertisement. When first asked about the ad, he said company attorneys were handling the matter. Quirk contended he received a letter written by Irwin Feerst, head of the Committee of Concerned EEs, addressed to R.A. Anderson, president of Lockheed Corp. In that letter, Feerst complained about the ad. Feerst also sent a copy of the ad to the EEOC.

### Lockheed Has Finished Hiring

Quirk said the ad attracted 280 applicants and that Lockheed has already finished hiring. Although the copy said 40 to 50 engineers were needed, Quirk said 35 were actually hired. They were due to start on Feb. 19.

Quirk admitted he came up with "Technical New Grads," the heading of

the advertisement. "I just pulled it out of my head."

"The charter I had was to fill the openings," he remarked, adding that at the budgeted salary (\$460 per week), he did not expect too many senior engineers to apply.

### Older Engineers Did Apply

Despite what would be considered a low salary by industry standards, Quirk pointed out that older engineers did apply. He estimated that about one-third of the applicants were 35, or older. The wording of the ad did not scare away older engineers, he maintained. "We did hire people who are senior engineers."

Quirk said one applicant had approximately 15 years of engineering experience and applied for the position because "he wanted to get into the space program." The new hires were assigned for training at the Kennedy Space Center.

A company official said he was aware of the alleged violation but reserved comment. He also said the company has not been informed by the EEOC about the

(Continued on Page 88)

## EEOC: Lockheed Ad Violates Age Law

(Continued from Page 85)

alleged violation.

The spokesman, from the parent company in California, said that all advertising is normally cleared through Thomas Keaton, director of advertising for Lockheed. Keaton was out of his office and could not be reached for comment. The spokesman said he did not know whether Keaton approved of the ad in question.

Feerst, who sent a copy of the Lockheed ad to *EE Times*, has written Secretary of Defense Caspar W. Weinberger urging that all Department of Defense contracts with the company be canceled.

### Company Policy A Problem

"The EEOC long ago ruled that the use of the word 'new grad' is discriminatory," Feerst said. "It seems to me that Lockheed has company policies that discriminate against older engineers."

Last September, *EE Times* reported on a Lockheed Space Systems Division newsletter, meant for internal distribution only, which called for "selective hiring" in its spacecraft engineering area.

The newsletter proposed that selective hiring be implemented "in order to flatten the current bimodal distribution of 45- to 60-year-olds and 25- to 30-year-olds." It cited "the need for a more uniform distribution of education and experience in the work force."

Lockheed said the term "selective hiring" was used in regard to hiring people of experienced and proven skills, not in reference to age. (See *EE Times*, Sept. 10, 1984, Page 97.)

Charles Nicita, a member of the IEEE Age Discrimination Task Force, said that committee should take some form of action on the advertisement. "However, I have very little confidence that anything will be done," Nicita said.

He said that in the past, the task force actively monitored advertisements for discriminatory wording. But Nicita said the IEEE hierarchy discourages "bumping heads" with employers.

Nicita concluded: "The Age Discrimination Task Force is powerless to take effective action because they are constrained by the IEEE hierarchy."

## AUTOMATING E.E. DESIGN WITH ENGINEERING WORKSTATIONS

### I. WHY ENGINEERING WORKSTATIONS?

### II. WORKSTATION REQUIREMENTS

- HARDWARE
- OPERATING SYSTEM
- LOCAL AREA NETWORK
- APPLICATIONS SOFTWARE

### III. APPLICATION SOFTWARE

- SCHEMATIC ENTRY
- SIMULATION
  - DIGITAL
  - ANALOG
- TIMING VERIFICATION
- FAULT SIMULATION
- PHYSICAL LAYOUT
  - CUSTOM VLSI
  - GATE ARRAYS
  - STANDARD CELLS
  - PC BOARDS
- HARDWARE VERIFICATION
- DOCUMENTATION

### IV. - WORKSTATION DEMO

March 4, 1985

PLEASE REPLY TO:

Donald C. Malocha  
IEEE Student Branch Advisor

**Proposal To The IEEE Orlando Section  
For Establishment Of An IEEE Student Branch Fund**

The purpose of this proposal is to establish a continuing IEEE student fund to be administered from the IEEE Section. Monies for this fund are to be solicited from the local industry base which has an interest in supporting engineering students. By establishing a fund, monies will be available for student projects and recurring expenses and it is hoped that recurring donations will be made on a yearly basis to replenish this fund. Since the student base within a student organization continues to change due to graduation, it is necessary to request yearly support for continuity of the group.

The following provides a summary of the proposal:

1. Establish an IEEE Student Branch account within the IEEE Orlando Section.
2. The student branch account will be used for the support of the IEEE Student Branch at the University of Central Florida.
3. Letters will be sent from the Section to local industries requesting donations, on a continuing yearly basis, for support of student activities.
4. Each IEEE Student Chapter will submit their budget to the Student Branch for review. A single budget will be submitted to the Section for review.
5. The Student Branch will submit the yearly budget, approved by the Student Branch Advisor, to the Section. Budget items will include:
  - Operating expenses
  - Yearly engineering project summary, with budget
  - Social and membership drive activities
  - Technical meeting expenses
  - Any fund raising and IEEE rebates
  - Other

The purpose of the Section review is to monitor expenses, ensure adequate justification for expenditures and maintain continuity of records. The Section need only review the proposed budget; it will remain the responsibility of the Student Branch Advisor to ensure proper spending of the allocated funds. It is believed that establishment of a working capital base will eliminate the need for Section funding while enhancing the student branch activities.

IEEE  
Microwave Theory and Techniques Society  
1984/85 Distinguished Microwave Lecturer

High Speed Digital IC Performance Outlook

Paul T. Greiling  
Hughes Research Laboratories  
3011 Malibu Canyon Road  
MS-RL55  
Malibu, CA 90265

To meet the functional throughput requirements of future high speed signal processing systems and commercial computers, GaAs digital integrated circuits are being developed. Applications for frequency counters, correlators, multiplexers, demultiplexers, time interval counters, and A/D converters with on-chip clock frequencies exceeding 1 GHz exist in the near-term. Such circuits are of MSI complexity, several hundred gate equivalents. Future applications for high speed IC's in more complex computational systems, such as radar signal processors, will require static random access memories, read only memories, high density logic arrays, and special purpose chips such as the multiplexers used in fast Fourier transform processors. For these future applications integration levels exceeding 1000 gates per chip are essential. In these advanced signal processors, the required system clock speed will be in the range from 250 MHz to 2.5 GHz.

Logic gates with tens of picosecond gate delay, tens of micro-watts power dissipation, cryogenic to hundreds °C operating temperatures and greater than  $10^7$  rads radiation tolerance, will provide performance enhancements of one to two orders of magnitude for digital communications, memories and computers. The implementation of this technology in MSI/LSI chips requires stringent control on material and process parameters for tight tolerances on device and circuit characteristics and high yields, and extremely short gate delays with large fanouts and low power dissipation for increased throughput rates.

In order to assess GaAs technology, this talk reviews the device technology and issues related to device/circuit design and fabrication of MSI/LSI complexity circuits operating at gigahertz clock frequencies, discusses limitations of the technology, compares with competing Si technologies, and presents applications where the technology will have a significant impact.

# IEEE ORLANDO EXECUTIVE COMMITTEE EXECUTIVE BOARD

OF 17 '0'  
FOR  
FORUM

- ☒ Chairman
- ☒ Vice Chairman
- ☒ Secretary
- ☒ Treasurer
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	Business	Home
Frank Fluett	843-7030	339-2305
George Taack	244-1389	321-0319
Don Malocha	275-2414	862-5693
Carl Schunemann	356-7207	647-4992
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## STANDING COMMITTEE CHAIRMEN

- ☒ Jr. Past Chairman
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- ☒ Publications
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- ☒ Fla. Eng. Soc. Liaison
- ☒ Prof. Act. Comm.
- ☒ Student Act. Comm.
- ☒ Education
- ☒ Membership Develop.

T.E. (Ed) Ellis	244-1203	834-3319
Mannie Connell		273-8588
Conrad Blankenzee	351-9455	826-3577
George McClure	356-3782	647-5092
Alex Marton	629-5591	293-4642
William Kownacki	275-2318	365-5818
Ben Patz	275-2816	855-3685
Richard Harden	855-0881	855-5775
John Gilbert	365-2363	859-5492
Don Malocha	275-2414	862-5693
Fred O. Simons	275-2405	678-1796
Woody Carter	843-7030	831-4591

## SPECIAL COMMITTEES

- ☒ SOUTHCON
- ☒ Advertising Manager
- ☒ Historian
- ☒ Member at Large
- ☒ Centennial

Bruce E. Mathews	275-2156	645-0549
John Gilbert	365-2363	859-5492
Russell E. Theisen	356-4320	671-4139
William C. Cram		647-4123
Deen Khandelwal	356-2583	277-5959

## SOCIETY CHAPTER OFFICERS

- ☒ AES
- ☒ COMMSOC

- ☒ Computer
- ☒ Electron Dev.

- ☒ AP/ITT
- ☒ Power Engineering/
- ☒ Industry
- ☒ Applications
- ☒ Student Section
- ☒ Student Comp. Chap.

Chmn.	Dave Flinchbaugh	1-268-7252	859-4955
Chmn.	Madjid A. Belkerdid	275-2787	273-8527
V. Chmn.	Michael Harris	275-2787	671-1849
Secy.	Mike Oleyar	628-9884	876-3582
Chmn.	Steve Forsythe	244-1166	830-8853
Mbr. V. Chmn.	Jorge Medina	834-9500	277-8929
Chmn.	Ralph M. Mindock	862-8182	862-7764
Mbr. V. Chmn.	Donald C. Malocha	275-2414	862-5693
Prog. V. Chmn.	Dick Zanowick	356-2914	645-0831
Chmn.	Fred Wilcox	356-2328	857-0098
Chmn.	Michael V. Haddad	281-2393	851-3719
V. Chmn.	Avelino Gonzalez	281-2982	365-6812
Secy.	Sally M. Merry		629-1901
Chmn.	Steve McKenna	275-2766	277-1396
Chmn.	Ron Krauskopf		677-4213
Treas.	Don Vincent		678-4603

The Executive Committee meets the first Tuesday of each month, except July, at AUTOMATION INTELLIGENCE, INC., 1200 W. COLONIAL DRIVE (corner of 441 and Colonial), at 5:30 p.m. All IEEE members are welcome to attend.

From The Desk Of:  
T. E. ELLIS

**Stromberg-Carlson**

ENGINEERING DEVELOPMENT CENTER  
Longwood, Florida  
Telephone (905) 889-1600

Future Conferences to which the  
Orlando Section may wish to bid  
Section Sponsorship:

- 1 - Autotestcon '87 (Sept/October) (Record)
- 2 - Professional Communications (Oct '87)  
(~125 attendance, exhibits, record)
- 3 - Industry Applications Annual Meeting  
(Sept/Oct '87) (~1000 attendance, Record, No exhibits)
- 4 - Intelec '87 (Oct) (Record)
- 5 - PES Summer Meeting (July '87)
- 6 - PES Winter Meeting (Feb '87)  
(~2300 attendance, transactions, no exhibits)
- 7 - International Conference, ASSP (Mar/Apr '87)  
(~1000 attendance, Record, Exhibits)
- 8 - Power Industry Computer Applications (May '87)
- 9 - Fall Compcon (Sept '86)

Put in minutes

# 1985 Awards Banquet

2-16-85

## Attendance Report

### IEEE

Fellows 6

Members 26

Student members 7

39

### Guests

Speakers & spouses 4

Speaker's Assistant 1

Fellow's spouses 6

Member's spouses/guests 16

Student 3

Student spouses 1

31

Total

70

Communications/Section Joint Meeting  
ORLANDO INTERNATIONAL AIRPORT MARLIOTT  
November 1, 1984

Income

Reservations

PAID

\$1314.00

Unpaid (8@ \$15.00 = \$120.00)

BAR

243.00

Total Income

\$1557.00

Expenses

MARLIOTT

CASH BAR Reception

Food tray

\$ 219.24

Cashier

24.25

BAR Supplies

243.00

DINNER (127 Guaranteed)

2,222.50

Visual Aids

35.70

Room (Speaker)

80.25

\$2,826.94

Speaker

Air fare

\$ 218.00

Taxi

40.00

Meals

5.53

263.53

Total Expenses

\$3,090.47

Total funds expended

\$1,533.47

Communications/Section Joint Meeting  
(cont'd)  
November 1, 1984

Budget

Section Meeting Expense	\$ 400.00	
Student Subsidy	<u>600.00</u>	\$ 1,000.00

Communications		
Travel (speaker)	\$ 300.00	
Room & Meals (speaker)	150.00	
Misc	<u>50.00</u>	
		<u>500.00</u>

Total Budget \$ 1,500.00

Funds Expended (page 1)

Cost of Banquet (Above budget amount)

	<u>1,533.47</u>
( \$ 33.47 )	

Communications/Section Meeting  
Orlando International Airport Marriott  
November 1, 1984

Attendance Report

	Attended	No Shows		Totals
		PAID	UNPAID	
IEEE members				
UCF	9	2	-	11
UCF - Students	32	-	-	32
General	16	-	1	17
Guests				
UCF	8	2	-	10
UCF - Students	48	3	-	51
General	7	-	7	14
Totals	120	7	8	135
Guarantee				127
Total Students	80	3	-	83



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

April 9, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, May 7, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section

PLEASE REPLY TO:

F. A. Fluet, Chairman  
Orlando Section, IEEE

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

March 11, 1985

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR MARCH 1985

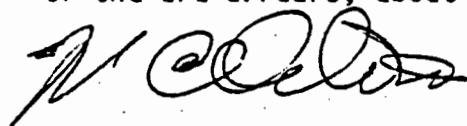
Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1049 as of 1-31-85.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>1-31-85</u>
A	New Election to Membership	7
B	Reinstatement to Membership	0
C	Arrears Paid	1
E	Moving Into Section	11
H	Transfer In Member Grade	5
I	Moving Out Of Section	5
K	Went Into Dues Arrears	171!
M	Deceased	1 (L. J. McKesson)

Of the 171 arrears, about 90 are members and 70 are students.



W. C. Carter  
Membership Development Chairman

New Chapter  
TS SU-21

[5030551]  
TSAAASU!

PLEASE REPLY TO:

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
April 9, 1985

AGENDA

- |  |                   |
|--|-------------------|
| 1. Introductions & Review Agenda & Reports                             | Frank Fluet       |
| 2. Approval of previous minutes.                                       | Don Malocha       |
| 3. Treasurer's Report  | Carl Schunemann   |
| 4. Chapters Chairmen Representative                                    | Geof Dick         |
| 5. Standing Committee Reports  |                   |
| a. Programs  | Conrad Blankenzee |
| b. Public Relations  | George McClure    |
| c. Publications  | Alex Marton       |
| d. Advertising   | John Gilbert      |
| e. Awards  | Ben Patz          |
| f. Florida Engineering Soc. Liaison                                    | Richard Harden    |
| g. PACE  | John Gilbert      |
| h. Student Activities  | Don Malocha       |
| i. Education   | Fred Simons       |
| j. Membership Development  | Woody Carter      |
| 6. Special Committees  |                   |
| a. Survey Committee  | Conrad Blankenzee |
| b. By-Laws   | George McClure    |
| c. Historian   | Russ Theisen      |
| d. SOUTHCON '86  | Bruce Mathews     |
| e. Member-at Large   | Joe Massett       |
| 7. Chapter Reports   |                   |
| a. Aerospace and Electronic Systems Society                            | Dave Flinchbaugh  |
| b. Communications Society  | Madjid Belkerdid  |
| c. Computer Society  | Steve Forsythe    |
| d. Electron Devices Society  | Ralph M. Mindock  |
| e. Antennas and Propagation/Microwave Theory<br>and Techniques Society | Fred Wilcox       |
| f. Power Engineering/Industry Applications<br>Society                  | Michael Haddad    |
| g. Student Branch IEEE   | Steven D. McKenna |
| h. Student Chapter, Computer Society                                   | Ron Krauskopf     |
| 8. Unfinished Business   |                   |
| 9. New Business  |                   |
| a. Organizing a Conference   | George McClure    |
| b. Chairman's Notes  | Frank Fluet       |
| 10. Time/Place of Next Meeting   |                   |
| 11. Adjourn  |                   |

IEEE Executive Committee Meeting  
Orlando Section

Date: April 9, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	Frank Fluett	Don Malocha
	Dave Flinchbaugh	Ed Ellis
	George Taack	Carl Schunemann
	Norm Lawton	Mike Haddad
	Woody Carter	

MINUTES:

1. Meeting called to order by Frank Fluett, Chairman.  
The necessary quorum was not present.
2. The Mar. minutes were reviewed by attendees.
3. Treasurer's Report - Carl Schunemann:  
Treasurer's report dated Apr. 9, 1985 is attached.
4. Chairman's Report - Geoffrey Dick:  
No Report.
5. Programs - George Taack/Conrad Blankensee:  
Pace meeting is being planned for York Steak House. Details to follow in section notes.
6. Public Relations - George McClure: Absent.
7. Publications - Alex Marton: Absent.  
Must get all notices to Alex by 15<sup>th</sup> of month for section notes.
8. Advertising - John Gilbert: No report
9. Awards - Ben Patz: Absent.
10. Florida Engineering Society Liason - R.C. Harden: Absent.
11. PACE - John Gilbert: No Report.
12. Education - Fred Simons: Absent
13. Student Activities - Don Malocha:  
Students have held elections for Student Chapter Board. Officer names will be submitted next month.
14. Membership Development - Woody Carter:  
Report attached.

15. By-Laws - George McClure: Absent  
16. Historian- Russ Theisen: Absent  
17. Member at Large - Joe Massett: Absent

#### CHAPTER REPORTS

18. AEES - Dave Flinchbaugh:

The Twenty-Second Space Congress will be held April 23,24,25 & 26, 1985 in Cocoa Beach. Further information can be obtained from Dave.

19. Communication - Madjid Belkerdid: Absent

Malocha reported the Mar.19 Comm. Soc. dinner meeting was well attended with 17 IEEE members and 5 guests. Dr. Ballato, IEEE Sonics & Ultrasonics National Lecturer gave an excellent presentation.

20. Computer Society - Steve Forsythe: Absent

21. Electron Device Society - Ralph M. Mindock: Absent

22. MTT/AP - Fred Wilcox: Absent

23. PES/IAS - Mike Haddad:

Mike is looking for a co-sponsor for a dinner meeting at Michael's restaurant for Tues. May 14. Patent attorney will be the speaker.

24. Student Branch IEEE - Steve McKenna: No report.

25. Student Chapter, Computer Society- Ron Krauskopf: No Report.

26. Unfinished Business: None

27. New Business:

Malocha reported that enough signatures have been obtained for the start of a Sonics and Ultrasonics Chapter in the Orlando Section. The national society is informed and will support efforts to establish the chapter.

28. Meeting adjourned.

29. Time/Place of next meeting:

May 7, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

disk:ieee  
file:ieeexcl4

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
APRIL 9, 1985

Checking Account Balance, \$1,254.21  
March 5, 1985 Treasurer's Report

Deposits:

3-5-85 Awards Banquet, Ticket \$30.00  
Receipts, Deposited by George Taack

3-6-85 Dreyfus Fund Withdrawal, \$1,000.00  
Deposited to Checking Account

---

Total Deposits \$1,030.00

Receipts to be Deposited:

Hewlett Packard, Newsletter \$600.00  
Advertisements

Fischbein Advertising, \$200.00  
Tech-Fair Advertisement

---

Additional Receipts \$800.00

Disbursements:

#1187 F.A. Fluet, \$6.10  
Executive Committee Mtg., Refreshments, 3-5-85

#1188 George B. Taack, Jr. \$14.60  
Awards Banquet Expenses  
Postage, \$10.44; Name Tags, \$4.16

#1189 D. Malocha, Postage, \$11.34  
Jan. '85, 27 @ 20¢ = \$5.40  
Feb. '85, 27 @ 22¢ = \$5.94

#1190 Seminole House Printers, \$649.68  
Invoice #8178 of 3-6-85,  
March Newsletter

IEEE ORLANDO SECTION, TREASURER'S REPORT  
APRIL 9, 1985 (CONTINUED)

#1191 Alex Marton, Reimbursement for payment of Altamonte Data Processing, Invoice #16249 of 2-4-85	\$75.00
---	---------

Total Disbursements	<u>\$756.72</u>
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Summary:

Checking Account Balance, 3-5-85 Report	\$1,254.21
Plus Deposits	1,030.00

Sub-Total	<u>\$2,284.21</u>
-----------	-------------------

Less Disbursements	<u>756.72</u>
--------------------	---------------

Checking Account Balance, 4-9-85	\$1,527.49
----------------------------------	------------

Plus Additional Receipts	\$800.00
Plus Dreyfus Account Balance, 4-9-85	<u>\$2,548.84</u>

Total Funds	<u>\$4,076.33</u>
-------------	-------------------

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

April 9, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, May 7, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Don Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

PLEASE REPLY TO:

F. A. Fluet, Chairman  
Orlando Section, IEEE

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

March 11, 1985

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FOR MARCH 1985

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W. C. Carter  
Membership Development Chairman

IEEE Executive Committee Meeting  
Orlando Section

Date: April 9, 1985

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	Norm Lawton	Mike Haddad
	Woody Carter	

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- 21. Electron Device Society - Ralph M. Mindock: Absent

- 22. MTT/AP - Fred Wilcox: Absent

- 23. PES/IAS - Mike Haddad:

Mike is looking for a co-sponsor for a dinner meeting at Michael's restaraunt for Tues. May 14. Patent attorney will be the spaeker.

- 24. Student Branch IEEE - Steve McKenna: No report.

- 25. Student Chapter, Computer Society- Ron Krauskopf: No Report.

- 26. Unfinished Business: None

- 27. New Business:

Malocha reported that enough signatures have been obtained for the start of a Sonics and Ultrasonics Chapter in the Orlando Section. The national society is informed and will support efforts to establish the chapter.

- 28. Meeting adjourned.

- 29. Time/Place of next meeting:

May 7, Tue., 5:30pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

disk:iee  
file:ieeexcl4

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
APRIL 9, 1985

Checking Account Balance, \$1,254.21  
March 5, 1985 Treasurer's Report

Deposits:

3-5-85 Awards Banquet, Ticket \$30.00  
Receipts, Deposited by George Taack

3-6-85 Dreyfus Fund Withdrawal, \$1,000.00  
Deposited to Checking Account

---

Total Deposits \$1,030.00

Receipts to be Deposited:

Hewlett Packard, Newsletter \$600.00  
Advertisements

Fischbein Advertising, \$200.00  
Tech-Fair Advertisement

---

Additional Receipts \$800.00

Disbursements:

#1187 F.A. Fluet, \$6.10  
Executive Committee Mtg., Refreshments, 3-5-85

#1188 George B. Taack, Jr. \$14.60  
Awards Banquet Expenses  
Postage, \$10.44; Name Tags, \$4.16

#1189 D. Malocha, Postage, \$11.34  
Jan. '85, 27 @ 20¢ = \$5.40  
Feb. '85, 27 @ 22¢ = \$5.94

#1190 Seminole House Printers, \$649.68  
Invoice #8178 of 3-6-85,  
March Newsletter

IEEE ORLANDO SECTION, TREASURER'S REPORT  
APRIL 9, 1985 (CONTINUED)

#1191 Alex Marton, Reimbursement \$75.00  
for payment of Altamonte Data  
Processing, Invoice #16249 of 2-4-85

Total Disbursements \$756.72

Summary:

Checking Account Balance, 3-5-85 Report \$1,254.21  
Plus Deposits 1,030.00

Sub-Total \$2,284.21

Less Disbursements 756.72

Checking Account Balance, 4-9-85 \$1,527.49

Plus Additional Receipts \$800.00  
Plus Dreyfus Account Balance, 4-9-85 \$2,548.84

Total Funds \$4,076.33

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

April 9, 1985

To: Dr. Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779

The next Executive Committee meeting will be:

Tuesday, May 7, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Don Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

F. A. Fluet, Chairman  
Orlando Section, IEEE

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

March 11, 1985

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR MARCH 1985

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1049 as of 1-31-85.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	1-31-85
A	New Election to Membership	7
B	Reinstatement to Membership	0
C	Arrears Paid	1
E	Moving Into Section	11
H	Transfer In Member Grade	5
I	Moving Out Of Section	5
K	Went Into Dues Arrears	171
M	Deceased	1 (L. J. McKesson)

Of the 171 arrears, about 90 are members and 70 are students.

  
W. C. Carter  
Membership Development Chairman

IEEE Executive Committee Meeting  
Orlando Section

Date: April 9, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	Frank Fluett	Don Malocha
	Dave Flinchbaugh	Ed Ellis
	George Taack	Carl Schunemann
	Norm Lawton	Mike Haddad
	Woody Carter	

MINUTES:

1. Meeting called to order by Frank Fluett, Chairman.  
The necessary quorum was not present.
2. The Mar. minutes were reviewed by attendees.
3. Treasurer's Report - Carl Schunemann:  
Treasurer's report dated Apr. 9, 1985 is attached.
4. Chairman's Report - Geoffrey Dick:  
No Report.
5. Programs - George Taack/Conrad Blankenzee:  
Pace meeting is being planned for York Steak House. Details to follow in section notes.
6. Public Relations - George McClure: Absent.
7. Publications - Alex Marton: Absent.  
Must get all notices to Alex by 15<sup>th</sup> of month for section notes.
8. Advertising - John Gilbert: No report
9. Awards - Ben Patz: Absent.
10. Florida Engineering Society Liason - R.C. Harden: Absent.
11. PACE - John Gilbert: No Report.
12. Education - Fred Simons: Absent
13. Student Activities - Don Malocha:  
Students have held elections for Student Chapter Board.  
Officer names will be submitted next month.
14. Membership Development - Woody Carter:  
Report attached.

15. By-Laws - George McClure: Absent  
16. Historian- Russ Theisen: Absent  
17. Member at Large - Joe Massett: Absent

#### CHAPTER REPORTS

18. AEES - Dave Flinchbaugh:

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Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

TEEE EXEC-COMM. MTG.

4-9-85

<u>NAME</u>	<u>BUS PHONE (IF NEW)</u>	<u>HOME PHONE (IF NEW)</u>
FRANK FLUET	✓	✓
Mike Haddad	✓	✓
CARL F. SCHUNEMANN	✓	✓
Ed Ellis..	✓	✓
WOODY CARTER	✓	✓
George TAACK	✓	✓
NORM LAWTON	646-5548	365-9805
Don Malocha	✓	✓

No. Forum Apr. 9 Meeting.

Mike Haddad w/ Patent Att.

looking for w/ PE/IA. Tue, May 14  
cosponsor

speaker dinner: Michael's Mtg.

Speak at Westinghouse

George Schunemann Programs

Pace Meeting: York Steak House.

Send George a copy of New Chapters  
Forms.

Apr. 23, 24, 25

22nd Space Congress.

Chairman's Notes

1. Report on Annual Region 3 Committee Meeting at Raleigh, NC, April 1, (at SOUTHEASTCON '85 conference).
2. Report on Quarterly Florida Council of IEEE Meeting April 2, at same location.
3. The Biennial IEEE Salary Survey will be published May 11, 1985. Each Section is entitled to a free copy of the survey. I will request our copy from Headquarters and make it available for circulation.
4. Section Notes (Newsletter):
  - a. Following up on Alex Marton's proposals to add new columns to the Section Notes, the next issue will carry a description of three newsletter services I propose be added. Any comments from the Executive Committee?
  - b. Alex also points out that our Newsletter's official name (according to the Bylaws Article 075: "ORLANDO SECTION NOTES") does not appear on the publication. Is there a reason?
5. A new brochure is available to very briefly describe what IEEE is. It is entitled "Introducing the IEEE". Order from:  
 Tom White, NY Office  
 345 E 47th St.  
 New York, NY 10017  
 (212) 705-7866
6. I attended a "Section Leadership Workshop" in Raleigh on April 1, in conjunction with the Region 3 meeting. See attached report.
7. According to Article 044 of our Section Bylaws I should appoint an Elections Committee at this Executive Committee meeting. I will ask the members of the Nominating Committee (i.e., Ed Ellis, Joe Massett and Ben Patz) to serve on the Elections Committee. Since there is only one nominee for each office and I have not received any additional nominations petitions from the Section membership prior to the April 1 deadline, the task of the Committee, per Article 045, is to cast a unanimous vote for the slate of officers on behalf of the Section membership and to publish this result in the June issue of the Orlando Section Notes.
8. I have a copy of the results of the "pilot telemarketing project", a telephone IEEE membership renewal program. In brief, 42.3% of the people contacted, renewed. Of most interest was the reasons given for not renewing:
 

Don't get enough out of it	30.8%
Not applicable/no longer in field	30.8%
Can't afford/justify cost	19.2%
Was not a member last year	15.4%
Not interested	3.8%
9. We have received a copy of the "Program Clearinghouse" from Debbie Powers, Florida Council Chairman. It lists other Section's Speaker activities and should be of interest to all program chairman. See me if you would like to borrow it.

Frank Fluet  
4/8/85

4

Report on  
Annual Region 3 Committee Meeting  
April 1, 1985 Raleigh, NC

Region 3 consists of all Southeastern U.S. One of the 10 Regions in the world, 6 Regions in the U.S. We are the fastest growing Region in North America. We have more Sections (45) than any other Region. The Region 3 budget is approximately \$55,000 this year. Membership in the Region is now at 28,000.

This once-per-year meeting of the Regional Committee, consisting of Region Director-Chairman, all Region officers and the Chairmen of Areas, Councils and Sections normally takes place at the SOUTHEASTCON conference.

- Vernon Powers (from Florida Council) and Chuck Alexander are candidates for Vice Chairman of Region 3.
- Debbie Powers: Chairman, FL Council -  
There will be a workshop in June in Orlando for Section officers.
- Joe Biedenback: Education Chairman -  
The Last Satellite program was only the second course that hit break-even (previous one was on Robotics). This program had 131 sites (16 sites in Region 3) participating with a total of 351 engineers. Fees varied from \$25 to \$125 per attendee with an additional \$5 charge for non-IEEE members.  
He advises Sections to "shop around" for low cost receiving facilities. Try cable service companies.
- The Jamaican Section has made a request to leave Region 9 and join Region 3. The natural affiliation would be with Florida Council. There is a strong possibility that will be the case.
- The Region PACE Conference and training session will be August 30 through September 2 at Seabrooke Island (near Charlotte) NC. Spouses and children are invited and activities are planned.
- IEEE Headquarters is considering having a specific annual meeting of the Institute.
- Area 4 (FLORIDA COUNCIL) may be split into two Councils to make it more "tractable".
- Atlanta SOUTHCON '85 unaudited attendance was at 16,500 with over 600 booths.
- East Tennessee Section presented a bid for SOUTHEASTCON '88 and received preliminary acceptance. (SOUTHEASTCON '86 is Richmond, '87 is Florida West Coast (Tampa)).
- Revised By-Laws for Region 3 to provide for a Secretary and a Treasurer in place of a Secretary-Treasurer.
- East Tennessee Section had an interesting "Centennial Archiving Project" report. I will copy our Section Historian for future reference.

Frank Fluet  
4/8/85

Report on

Florida Council of IEEE Meeting

April 2, 1985 Raleigh, NC

- Vernon Powers is looking for support from Sections for SOUTHCON '86 in Orlando. Volunteers he needs are:

Transportation Chairman  
Host Committee  
Tutorial Committee  
Professional Programs Committee  
Public Relations Committee  
Attendance Committee

Notify me if you are available to help out on any of the above. (Frank Fluet 843-7030).

- Annual Preliminary Budget was drawn up.
- Art Greene: Canaveral Section announced an upcoming (May 22, 23) IBM Personal Computer workshop at Brevard Campus of UCF to be conducted by Dr. King Osborne.
- New budget includes support to Sections for up to 3 Certificate of Appreciation awards (at \$25 each). Send notification and copy of expense to FCIEEE Chairman.
- FCIEEE Chairman suggested each Section have an evening of Senior member candidate promotion, at which potential Senior members would be supplied forms and Fellows would be available to immediately fill out recommendations. This is an excellent idea and could take place after a section meeting.
- The next FCIEEE meeting will be in Orlando in June. A Section Officers Workshop will also be conducted at that time. Time and location will be announced later.

Frank Fluet  
4/8/85

6

Report on  
Section Leadership Workshop  
Monday, April 1, 1985  
at SOUTHEASTCON '85, Raleigh, NC

1. Mark Lucas - IEEE Field Services:  
(See attached new Field Services phone directory and Section Rebate Schedule).

Bonus program is still in effect (\$5 per new Society member recruited by a Section and \$5 per new IEEE member recruited by a Society Chapter). Be sure to place the appropriate code on the membership application form.

For a new IEEE or Society member application  
place the Section Code: S030551  
and for each Society : TS A A A # #  
where AAA## is the Society AlphaNumeric Code  
(e.g., MTT17 for Microwave Theory and  
Techniques Society).

- Money is available for special projects from RAB.
  - Note: One social/non-technical meeting per year is rebatable for Section and for Chapters.
  - Membership Development materials are no-charge (except mailing) to Sections.
  - Can now request pink sheets sorted by:
    - a. same "reason" code (A, K, etc.)
    - b. ZIP code
    - c. alphabetically
  - Field Services is studying feasibility of sending membership data over modem or via floppy disc.
2. Bob Tanner - (next President of IEEE):
    - Public Information Network is being built.
    - The new IEEE brochure is available.
  3. John Miller - PACE:
    - John is available and has list of 51 speakers who will speak for free anywhere in Region 3 on PACE.
    - National PACE conference will be at Seabrooke Island, NC, Labor Day 1985.
  4. Larry Dwon - SPACS:
    - Handed out "PACE S-PAC Source Sheet" and spoke on organizing one.
  5. Willy Albanes - AWARDS:
    - New "Outstanding Section" award in Region 3 carries a \$500 stipend.
  6. M. Neiditz - Section Newsletters:
    - Displayed various forms of Section newsletters and discussed printing formats, charges, etc.
    - Had excellent discussion of postal classes. Second class seems to be the best at 1985 rates of 3.7¢/copy plus weight charges based on amount of advertising (for an average total charge of 5¢/copy).

There is a precise mail procedure (see example of North Carolina Section's) and if header lists appropriate addresses, IEEE Headquarters pays 27¢ for each return and automatically updates the mailing list.

Gail Farrank (?) of NY office is pursuing how to facilitate Sections getting 2nd class permits. (Some local post offices seem more amenable than others.)

One disadvantage is that a mail service is required.

@ SOUTHEAST CON  
4-1-85  
S.

SVC: CNTR (201) 981-0060

FIELD SERVICES

Hours: 8:00 A.M. - 4:00 P.M. (EST) Monday-Friday  
International Telex No. 236-411(NY) 833-233(NJ)

6A

Directory of services and staff members you may contact for inquiries and assistance:

	<u>Name</u>	<u>Ext.</u>
<u>GENERAL POLICY/ADMINISTRATION</u>		
	Don Suppers Staff Director	280
	Jan Fay Secretary	292
<u>REGIONAL ACTIVITIES BOARD &amp; REGION SERVICES</u>		
Administration, Policy and Services Region Support, Finances and Committees	Laura Jobmann Administrator	282
RAB Secretariat	Carol Telep Administrative Asst.	281
<u>SECTIONS/SOCIETY CHAPTERS/STUDENT BRANCHES</u>		
Administration, Policy and Services	Mark Lucas Manager	287
<u>SECTION AND SOCIETY CHAPTER SUPPORT</u>		
Section Rebates and Order Billing, Officer Records, Section/Chapter Formations	Gloria Gutwein Supervisor	283
Label Addressing Services	Sheryll Mayr	285
Section/Chapter Officer Records/Formations	Kathleen Ruggeri	288
Section/Chapter Supplies, Certificates & Officer Pins, Banners	Carole Bogart	286
<u>STUDENT SERVICES</u>		
Student Programs, Administration and Policy	Mark Lucas Manager	287
"Potentials", RAB INTERFACE	Mary Campbell Coordinator	289
Branch Support, Rebates, Officer Records	Laura Snyder	290
Branch Supplies, Potentials Magazine	Dorothy Collins	291
<u>MEMBERSHIP DEVELOPMENT AND MEMBER SERVICES</u>		
Membership Development Programs, Member Services, Administration and Policies	Roseann Schulz Manager	300
<u>MEMBER SERVICES SUPPORT</u>		
Membership Applications, Member Inquiries on Qualifications, Dues, Society and Subscription Payments, Membership Certificates/Jewelry, IEEE Benefit-Plans Insurance, Car Rental	Peggy Kovacs Supervisor	302
Region 8-10 Member Correspondent Specialist	Carol Lund	304
<u>MEMBERSHIP DEVELOPMENT</u>		
MD Supplies, Brochures, Information Centers, MD Activity Support, "Values of Membership" slide/tape presentation	William Hunter Coordinator	301

4-1-85 FAF  
@ RALEIGH, NC

1985 IEEE SECTION REBATE SCHEDULE

6B

A. BASIC OPERATING FUNDS

1. Allowance:

All sections in existence on December 31 of the prior calendar year and meeting minimum requirements shall receive a \$300 annual allowance. For new sections, these funds will be pro-rated based on the number of days from the date of establishment until December 31st of the initial year.

2. Membership Rebate:

- \$3.00 for each member (all grades) and Affiliate up to 200 based on the prior year's December 31st statistics.
- \$1.50 for each member (all grades) and Affiliates over 200 based on the prior year's December 31st statistics.

3. Chapter Membership Rebate:

\$0.70 for each Chapter member above Student Grade, and \$0.70 for each Chapter Affiliate, for those Chapters fulfilling the minimum IEEE Bylaw requirements for Chapter activity and membership for the prior calendar year. If a member is enrolled in more than one Chapter, the Section will receive the \$0.70 for each Chapter membership. Chapter membership shall be based on prior year's December 31st statistics.

B. ACTIVITY FUNDS

1. Section Technical Conference: A \$300.00 allowance will be provided for ONE Section Technical Conference held during the calendar year under the following conditions:

- a. The Conference shall be a unique technical program containing not less than five technical papers, panel discussions, or other technical presentations usually of a thematic nature designed to enhance the technical and professional growth of the members in the Section.
- b. The Conference shall occupy the major portion of a full day or longer, with a minimum of five hours devoted to the technical program. Additional social activities may be planned.
- c. The Conference is to be sponsored exclusively by one Section and possibly its own Subsections, Chapters, or Branches. Sections in Regions 8, 9 and 10 may cosponsor a meeting of this type with national engineering societies in their respective Regions.

6C

- d. To be eligible for this rebate, a formal report of the Section Technical Conference (on a form furnished by Headquarters) shall be submitted to IEEE Headquarters on or before February 1st of the following year.
  - e. The Conference must be distinguished from such activities as continuing education programs, short courses, films and lectures, which do not qualify as Section Technical Conferences.
  - f. A fee may be charged for the program.
2. Section, Subsection and Chapter Meetings: A rebate of \$25.00 per meeting shall be paid for each meeting held during the previous calendar year under the following conditions:
- a. The meeting has technical or professional activities content. (See exception in C.1.g. below.)
  - b. No fee has been charged to attend the meeting, other than for meals.
  - c. An appropriate meeting announcement has been issued.
3. Newly Elected Members: \$4.00 shall be paid for each new member above Student Grade elected to IEEE membership during the previous calendar year who resided in the Section territory at the time of election.

C. REPORTING REQUIREMENTS

To be eligible for a Rebate, Sections must adhere to the following reporting requirements:

1. Meeting Report:

The Meeting Report must be submitted on the form supplied by Field Services and contain the following information:

- a. Meeting date of each activity
- b. Attendance (number of members and guests)
- c. Meeting subject
- d. Speaker and affiliation
- e. Sponsor(s) of meeting
- f. Verification that no admission fee was charged

Limitations on the Meeting Rebates are:

- g. Only one non-technical or administrative meeting of each organizational unit may be included.
- h. A single Rebate (\$25.00) will be allowed for meetings jointly sponsored by more than one of the above organizational units.

2. Financial Report:

A Financial Report summarizing the previous year's financial activities must be submitted annually using forms and following guidelines provided by Headquarters.

3. Current Officer Reports:

Reports of current Council (if receiving funds for Sections), Section and Chapter Officers must be submitted on a timely basis following the election and/or the appointment of such officers. These reports must be updated during the year as Officers change. Forms are provided by Field Services.

4. Procedures:

After December 31st, each Section must submit the required reports for the prior year and, therefore, must have the current Section Officers, Committee Chairmen and Chapter Chairmen on record in the Field Services Department to be eligible for the annual rebate. No later than December 1st of the prior year, IEEE staff is required to forward all appropriate forms and instructions to the Section Officers of record responsible for submitting these reports.

The Financial and Meeting Reports should be submitted to Field Services no later than February 1st of the current year. Officer Reports should be submitted on a timely basis following Section elections or appointment dates. A report must be submitted even if the Officers do not change. In the event of an unavoidable delay in submitting the required reports by the above date, the Section should be aware that unless these reports are received by the last business day of August of the current year, the Section may not receive the current annual rebate payment. One half of the Section Rebate shall be paid in March and one half in September.

D. UPGRADING SUBSECTIONS TO SECTIONS

For Sections formed from Subsections after December 31 of the prior year, the current year's rebate for the new Section shall be based upon the terms of a written agreement between the officers of the Parent Section and the new Section. The agreement shall be developed in consultation with the Regional Director and IEEE Headquarters. Such agreement shall be concluded prior to establishment of the new Section.

6E

GUIDELINES FOR SECTION SUPPORT VIA REGIONS

There shall be funds available to Regions on an annual basis to support Sections that are having financial difficulties. Distribution of these funds will be made from the Service Center at the direction of the Regional Director.

Each Regional Director will be notified by January 31st of the amount of support being held for his/her Region at Headquarters for use during the calendar year.

Procedures to be used for the disbursement of the Section Support appear below:

1. A request in writing must be sent by the Regional Director or Treasurer to the Office of the Staff Director at the following address:

Field Services Department  
IEEP, Inc.  
445 Hoes Lane  
Piscataway, New Jersey 08854

This request must state the amount of money to be disbursed, the Section Name(s), and the expected use of the funds by the Section(s) receiving the Section Support.

2. Upon receipt of the request, the Field Services Department will issue a check request for the disbursement of the funds to the Section.
3. The Regional Director and Treasurer will then be notified.
4. A ledger will be kept on Section Support in the Field Services Department.

Please note that Section Support not used during the calendar year specified will not be carried over to the next fiscal year.

6F

GUIDELINES FOR PROJECT FUNDS

(ELECTRO SURPLUS DISTRIBUTION)

Funds are available beginning January 1, 1985 to support projects for sections identifying needs that cannot be met by other resources. Approximately 25% of these funds will be allocated for additional activities and 75% for special requirements of Sections with specific needs and limited funds. Proposals will be reviewed by a RAB committee consisting of the RAB Vice President, who shall serve as Chairman, the appropriate Regional Director, the Finance Chairman and the Regional Activities Board Secretary.

The following guidelines and procedures apply:

1. Proposals may be submitted at any time.
2. Proposals should be forwarded to the attention of:

Regional Activities Board Secretary  
Field Services Department  
IEEE, Inc.  
445 Hoes Lane  
Piscataway, New Jersey 08854

with a copy to the Regional Director.

3. Proposals should clearly describe the project, specify the amount of money requested, name the project director and describe the benefits to the Section.
4. Projects leading to activities that have the potential to raise money for the Section are encouraged.
5. The Secretary will distribute the proposals to the Committee, expedite a reasonably rapid response and communicate with the Section.
6. Checks for approved funds will be sent to the Section Treasurer.
7. Unused Project Funds at the end of a calendar year will be carried over to the next calendar year.
8. A report on the outcomes of the project shall be submitted to the Secretary, who shall include it in the Secretary's Report to the Regional Activities Board.

## A Century of Service

The Institute of Electrical and Electronics Engineers had its beginnings 100 years ago, when a group of electrical inventors and entrepreneurs met in New York City to form the American Institute of Electrical Engineers (AIEE). As today, electrical engineers in 1884 were creating the most exciting and important new technologies of their times. Telegraph lines spread out in every direction, on the land and under the seas, to link people, communities and nations together. The telephone, less than a decade old, was already beginning to transform the patterns of communication within cities. Edison's electric light, invented only five years before, was being installed in factories, stores, schools and homes as the promoters of the new electric power system struggled to extend their work everywhere. And hard on the heels of the light were other uses for electric power, which promised to revolutionize almost every facet of life. The electrical engineers joined together in the AIEE to better understand and extend this new technology.

A generation later, another dramatically new technology emerged that was to have equally profound consequences for daily life—radio. So different was radio that its practitioners felt a need to form a separate society, the Institute of Radio Engineers (IRE). The IRE, founded in 1912, quickly became the focal point for the technology that evolved into electronics, with applications in television, radar, control systems and computers.

By the end of World War II, electronics engineering rivaled the size and scope of the older fields of power and communications. Increasingly, electronics and electrical engineers found their common interests outweighed their differences. Against this background, in 1963 the AIEE and the IRE merged to form The Institute of Electrical and Electronics Engineers.

Today, the IEEE is the world's largest engineering society with members, Sections and Student Branches dotting the globe. Its activities extend far more widely than its forebearers could have ever foreseen. However, it remains, just as a century ago, a premier spokesman for perhaps the most significant and exciting technological field of its time.



## To serve its members, the IEEE pursues objectives that are Technical, Professional and Societal.

### Geographic Activities

The worldwide membership of the IEEE is divided geographically into 10 Regions. Within these Regions are 251 local Sections that serve as centers of activity at the local level. Of these, 77 are located outside the United States. Collectively, the Sections hold some 4,000 meetings per year, providing members everywhere an opportunity for personal involvement in Institute activities.

To foster student interest in the profession, the IEEE has Student Branches in 500 educational institutions throughout the world.

### Technical Activities

To serve the many technical interests of its members, the IEEE is also organized into 33 specialized Societies and 3 Councils through which most of its technical activities are conducted. These organizations, which are grouped into 10 Divisions, hold 200 conferences per year in addition to publishing more than 50 technical journals and magazines. IEEE members have the opportunity of joining any number of Societies to keep abreast of the latest developments in their fields of interest. Society memberships now total 275,000.

### Professional Activities

IEEE professional activities are worldwide in scope. Outside the United States, such programs are undertaken in close cooperation with the national societies of the countries in question. In the United States, they are carried out under the direction of the United States Activities Board headquartered in Washington, D.C. These activities address matters of economic, ethical, legislative and social concern. Programs include technical and nontechnical testimony before Congress, support of an IEEE Congressional Fellows program, extensive liaison with the Executive Branch, as well as activities related to employment assistance, career development and national technology policy.

### Publication Activities

The IEEE publishes 120,000 pages of technical material per year, constituting approximately 15 percent of the world's literature in the field of electrical, electronics and computer engineering. The Institute's key communications vehicle is its award-winning magazine *IEEE Spectrum*, which is sent monthly to all members. In addition, the IEEE publishes 42 journals, 10 specialized magazines, some 125 conference records and a variety of IEEE Press books.

### Standards Activities

The Institute is one of the world's foremost independent writers of standards and has developed and published more than 500 such documents, many of which are of pivotal importance. This activity, which involves more than 20,000

volunteers, brings vitally needed order in the areas of engineering practices, test methods, terminology and units of measurement.

### Educational Activities

A variety of continuing education programs are offered to IEEE members. These include home study courses, short courses and satellite-distributed seminars. The IEEE also participates in the accreditation of electrical, electronics and computer engineering and computer science curricula in the United States, as well as in the development of pre-college guidance materials.

### History Center

The Center for the History of Electrical Engineering, located at IEEE Headquarters, was established to promote the study of the history of electrical science and technology. It provides both an important resource for historians and a focal point for encouraging IEEE members and organizational units to undertake historical programs that serve engineers, historians and the general public.

### Public Information

Public Information programs are designed to improve the public's understanding of (1) technology and its perception of electrical engineers—important contributors to the well-being of society. An added objective is to create increased awareness among IEEE members of the Institute's responsibility for public service.

### Awards

A major purpose of a professional society is to give special recognition for outstanding achievements in its fields. In fulfillment of this objective, the IEEE and its Societies annually bestow over 100 awards and scholarships, including 11 major Institute awards.

### IEEE Foundation

The IEEE Foundation was established to enable donors to make tax-free donations in furtherance of the Institute's scientific and educational purposes. A principal activity of the Foundation is to fund several of IEEE's major annual awards. While the present activities of the Foundation are limited in magnitude, it is hoped these will be expanded in the future to provide greater support of educational goals.

*The Institute of Electrical and Electronics Engineers, Inc.*  
315 East 17th Street, New York, NY 10003 USA  
Eric Hertz, Executive Director and General Manager  
Telephone (212) 705-7900

Introducing the

# IEEE



64

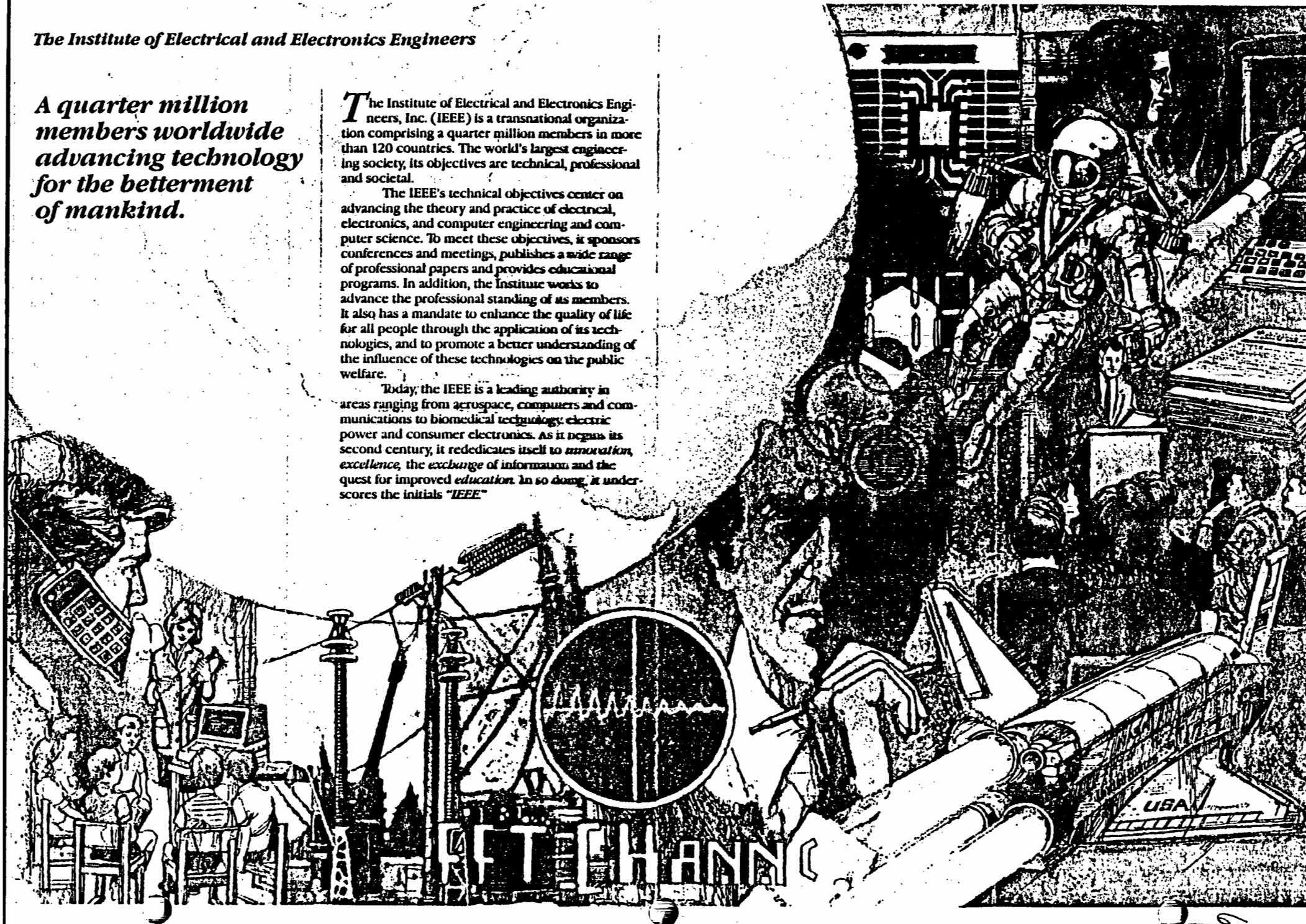
*The Institute of Electrical and Electronics Engineers*

***A quarter million  
members worldwide  
advancing technology  
for the betterment  
of mankind.***

**T**he Institute of Electrical and Electronics Engineers, Inc. (IEEE) is a transnational organization comprising a quarter million members in more than 120 countries. The world's largest engineering society, its objectives are technical, professional and societal.

The IEEE's technical objectives center on advancing the theory and practice of electrical, electronics, and computer engineering and computer science. To meet these objectives, it sponsors conferences and meetings, publishes a wide range of professional papers and provides educational programs. In addition, the Institute works to advance the professional standing of its members. It also has a mandate to enhance the quality of life for all people through the application of its technologies, and to promote a better understanding of the influence of these technologies on the public welfare.

Today, the IEEE is a leading authority in areas ranging from aerospace, computers and communications to biomedical technology, electric power and consumer electronics. As it begins its second century, it rededicates itself to innovation, excellence, the exchange of information and the quest for improved education. In so doing, it underscores the initials "IEEE"

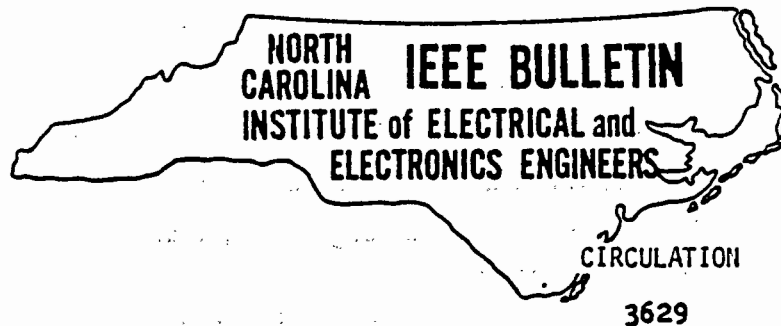


**IEEE CHANNEL**

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GREENSBORO

R14 BSC 6  
NC 27410

VOL. XXII

MARCH 1985

NO. 2



**SPLINTERS FROM THE CHAIR**

March brings two major events for IEEE - NC. The first, our annual Leadership Workshop, will be held on March 2 at Charlotte. Jim White is in charge of this.

At the Region 3 meeting in Atlanta, January 25 and 26, we discussed developing

Tom Fleming and John Sees, NCSE'85 Co-Chairmen, held a meeting on February 15th. Planning for NCSE'85 is well underway. The next committee meeting will be on March 15th.

Congratulations again to the Charlotte Section for a record breaking NCSE'84. I hope that NCSE'85 will equal that record.

Dick Riddle, NC Council Chairman

#### IEEE TEXTILE INDUSTRY CONFERENCE

The annual IEEE Textile Industry Conference will be held at the Hyatt Regency, Greenville, SC on May 8 and 9, 1985.

The day and half program will include 11 technical papers dealing with a wide variety of topics applicable to the textile industry.

Advance registration fees are \$75.00 for IEEE members and \$80.00 for non-members. For additional information contact:

## 2.7 TYPICAL PLANNING SCHEDULE FOR A CONFERENCE

### Actions to be Taken

Minimum  
Deadlines *Before*  
Date of Conference

Society, Group, Council or Region should  
Initiate, propose and coordinate as necessary  
with Section or other IEEE geographical entities

24-22 months

Agreement with other sponsoring organizations (if joint)

24-22 months

Appointment of General Chairman; organization of  
Conference committees

22-20 months

Selection of conference name, location, date,  
facilities; and listing in IEEE Technical  
Activities Guide

20-18 months

First Announcements and Call for Papers

18-16 months

Finalization of conference publication plans

14-12 months

Conference Committee meeting - preferably at  
conference location

12-10 months

Submission of conference budget to IEEE TAB  
Conference Activities Office

10-9 months

Paper titles and abstracts, summaries, or full text  
to Program Chairman

8-6 months

Tentative detailed program with sessions titles,  
list of authors, speakers, and special events

5 months

Material for conference record to Technical Program Chairman  
for approval and to Publications Chairman for editing

5-4 months

First program publicity for IEEE publications editors

4 months

Printing of announcements or advance programs

4-3 months

Manuscript due at printer when conference record  
is to be printed and available at conference.

3 months

Mailing of advance programs and registration  
information

3 months

Publicity to trade magazines with news release

3 months

Final publicity in IEEE publications (including  
titles of all sessions)

2 months

Conference record should be available,  
if mailed to advance registrants

1 month

Local publicity

1 month - 1 week

Copies of conference record to Local Arrangements  
Chairman for distribution at conference

1 week

Maximum  
Deadlines *After*  
Conference

Preliminary conference report on attendance, solvency  
and inventory of conference records

2 weeks

Return of advance loan to IEEE Headquarters for  
deposit to S/G/C account

4 weeks

Final conference report, including audit of fiscal  
records and distribution of remaining funds

2 - 3 months



A CENTURY OF ELECTRICAL PROGRESS

IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

May 10, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, June 4, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section

IEEE Executive Committee Meeting  
Orlando Section

Date: May 7, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	Frank Fluet	Don Malocha
	Conrad Blankenzee	Ed Ellis
	George Taack	Carl Schunemann
	Norm Lawton	Mike Haddad
	Woody Carter	Fred Wilcox
	Alex Marton	G. K. Huddleston
	Chris Christodoulou	Geoff Dick
	Steve Forsythe	Fred Simons
	John Gilbert	George McClure

MINUTES:

1. Meeting called to order by Frank Fluet, Chairman, at 5:40 pm. The necessary quorum was present.
2. The April minutes were reviewed by attendees.
3. **Treasurer's Report - Carl Schunemann:**  
Treasurer's report dated May 7, 1985 is attached.
4. **Chairman's Report - Geoffrey Dick:**  
Installation banquet is June 22, 1985. See section notes for details.
5. **Programs - George Taack/Conrad Blankenzee:**  
Possible shuttle manager ( Dr. Jim Kelly ) for Installation Banquet speaker.
6. **Public Relations - George McClure:**  
Despite attempts, there was no media coverage for Dr. Hayre's speaking engagement.
7. **Publications - Alex Marton:**  
Must get all notices to Alex by 15<sup>th</sup> of month for section notes. New printer for May Section Notes.
8. **Advertising - John Gilbert:**  
We are down to two active accounts. If any member knows of a possible advertiser, please encourage them to contact John.

**\*\* NOTE \*\*** Personnal ads of a professional nature are free to all memebbers. This includes sale of equipment, software, etc.

9. Awards - Ben Patz: Absent.

George McClure is soliciting for USAB awards to Region 3 in June. George will send a list of awards to Ben for consideration.

Alex Marton would like a copy of Awards Banquet pictures for inclusion in Section Notes.

Section Service award nomination needs to be considered.

10. Florida Engineering Society Liason - R.C. Harden: Absent.

11. PACE - John Gilbert:

The April 26 meeting featuring Harb Hayre on Retirement Benefits was attended by 7 members and 4 wives. Speaker was excellent. The attendance was very low and we need a means for increasing our audience.

12. Education - Fred Simons:

Fred will submit an outline of a proposal for a possible short course on some aspect of PCs. UCF facilities would be available for the course.

13. Student Activities - Chris Christodoulou/Don Malocha:

Chris will be co-advisor with Malocha for the next year. A tour of the new UCF Engineering Bldg. will be arranged for the Fall by the student chapter.

Students held a wine & cheese reception last month for introduction and membership drive. Approximately 100 students and faculty attended.

14. Membership Development - Woody Carter:

Report attached.

15. By-Laws - George McClure: No report

16. Historian- Russ Theisen: Absent

Condensation of our archives is requested. Any members who are interested ( possibly a retired engineer ), contact Frank Fluet.

17. Member at Large - Joe Massett: Absent

CHAPTER REPORTS

18. AEES - Dave Flinchbaugh: Absent

19. Communication - Madjid Belkerdid: Absent

20. Computer Society - Steve Forsythe:

There were 3 meetings held in April with approximately 10 people attending each. Co-sponsored with student Computer Chapter.

21. Electron Device Society - Ralph M. Mindock: Absent

22. MTT/AP - Fred Wilcox:

Next meeting will be June 6 at H.P. facility with Jerry Heckman from Scientific Atlanta speaking on Radar Cross-section.

A new slate of officers is proposed for election:

Keith Huddleston, Chairman

Joe Kiss, Vice-Chairman

Bob Smallwood, Secretary

23. PES/IAS - Mike Haddad:

May 14 meeting on Patents at Westinghouse facility. Dinner to follow at Michael's Restaurant. This will also be a Section meeting. Contact Mike for further info.

24. Student Branch IEEE - Steve McKenna: No report.

25. Student Chapter, Computer Society- Ron Krauskopf: No Report.

26. Unfinished Business: None

27. New Business:

George McClure shared his experience on bidding for IEEE conferences. Seed money of ~\$3000 is usually shared on a 50:50 basis with the sponsoring society. A listing of upcoming conferences is published quarterly in TAG by IEEE. We have a prime location with airport, facilities and activities. A conference committee is forming to examine our options. Frank Fluet, Ed Ellis and Conrad Blankenzee are currently forming the committee. Any members who are interested in participating, please contact Frank.

28. Meeting adjourned.

29. Time/Place of next meeting:

June 4, Tue., 5:30 pm.

Automation Intelligence (AI)

1200 W. Colonial Drive

( west of I-4 on Colonial Drive )

disk:ieee  
file:ieeexcl5



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

April 30, 1985

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR APRIL 1985

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 888 as of 2-28-85, down from 1049 last month. This is due to the large number of dues arrears not yet paid up.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

CODE	REASON	3-31-85
A	New Election to Membership	10
B	Reinstatement to Membership	61
C	Arrears Paid	0
E	Moving Into Section	18
H	Transfer In Member Grade	1
I	Moving Out Of Section	8
K	Went Into Dues Arrears	0
M	Deceased	0

  
W. C. Carter  
Membership Development Chairman

Chairman's Notes

5/7/85

1. See "Chairman's Notes of 4/8/85".
2. PROXIES: As the summer vacation months approach, it becomes more difficult to achieve a quorum. Any member of the Executive Committee who will be absent from an Executive Committee meeting may designate, in writing to the Chairman, another member of the Executive Committee to vote for him/her by proxy. In particular, if any of the following "quorum counting" members expect to be absent, please send the attached proxy form to me before the meeting: George Taack, Don Malocha, Carl Schunemann, Geof Dick, Conrad Blankensee, George McClure, Alex Marton, Ben Patz, John Gilbert, Woody Carter, Dave Flinchbaugh, Madjid Belkerdid, Steve Forsythe, Mickey Mindock, Fred Wilcox and Mike Haddad.
3. Survey: 34 forms total were returned; (3.27% of members). Cost to Section for mailing \$12.13.

Frank Fluet

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
MAY 7, 1985

Checking Account Balance,  
April 9, 1985 Treasurer's Report \$1,527.49

Deposits:

4/10/85	Advertising Receipts, as shown in April 9, 1985 Report	\$800.00
5/4/84	Florida Council Rebate, per 4/15/85 Letter, for Section Activities	\$100.00
	Total Deposits	\$900.00

Disbursements:

#1193	Alex Marton Postage Reimbursement, Altamonte Data Processing Invoice No. 16327, 2/2/85	\$58.68
#1194	F. A. Fluet Refreshments, 4/9/85 Executive Committee Meeting	\$5.58
#1195	W. Carter Membership Development Postage, per 3/18/85 Statement	\$22.92
#1196	D. Malocha Secretary's Postage, 27 @ 22¢ = \$5.94	\$5.94
#1197	The Great American Copy and Printing Center, Invoice #8295, April Newsletter	\$612.15
#1198	Postmaster, Attn. Bulk Mail Acceptance Unit Deposit to Account of Permit #3492, per Instructions of Alex Marton, for Postage	\$70.00

#1199

Dr. D. D. Khandelwal  
Prizes for "Day with Life Members"  
IEEE Centennial Mug = \$20.00  
IEEE Centennial Necktie = \$10.00  
"Engineers & Electrons" = \$17.95

\$47.95

\$47.95

Total Disbursements \$823.22

Summary:

Checking Account Balance, 4/9/85 Report	\$1,527.49
Plus Deposits	900.00
Sub-Total	\$2,427.49
Less Disbursements	\$823.23
Checking Account Balance, 5/7/85	\$1,604.27
Plus Dreyfus Account Balance, 5/7/85	\$2,584.57
Total Funds	\$4,188.84

Respectfully submitted,

*Carl F. Schunemann*

Carl F. Schunemann  
Treasurer

IEEE EX. COMM. MTG.

5-7-85

Phone (IF NOT ON RECORD)

BUS

HOME

✓ 1	FRANK FLUET	✓	✓
✓ 2	CONRAD BLANKENBEE		
✓ 3	CARL F. SCHUNEMANN		
✓ 4	George B. TAACK JR		
✓ 5	ED ELLIS		
✓ 6	WOODY CARTER	-	-
✓ 7	* Fred P. Wilcox	-	-
✓ 8	Alex Marton	-	-
✓ 9	G. K. Huddleston	356-7201	339-0336
✓ 10	CHRISTOS CHRISTODOULOU	281-5555	859-1630
✓ 11	Geoffrey E. Dick	356-7752	
✓ 12	S. Forsythe		
✓ 13	F. J. Simeone Jr	275-2405	678-1796
✓ 14	Don Malachuk		
✓ 15	Mike Haddad		
✓ 16	Norm LAWTON	646-5548	365-9805
✓ 17	JOHN GILBERT	365-2363	859-5492
✓ 18	George F. McClure	356-3782	647-5092



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
May 7, 1985

PLEASE REPLY TO:

AGENDA

- |  |                   |
|--|-------------------|
| 1. Introductions & Review Agenda & Reports                             | Frank Fluet       |
| 2. Approval of previous minutes.                                       | Don Malocha       |
| 3. Treasurer's Report  | Carl Schunemann   |
| 4. Chapters Chairmen Representative                                    | Geof Dick         |
| 5. Standing Committee Reports  |                   |
| a. Programs  | Conrad Blankenzee |
| b. Public Relations  | George McClure    |
| c. Publications  | Alex Marton       |
| d. Advertising   | John Gilbert      |
| e. Awards  | Ben Patz          |
| f. Florida Engineering Soc. Liaison                                    | Richard Harden    |
| g. PACE  | John Gilbert      |
| h. Student Activities  | Don Malocha       |
| i. Education   | Fred Simons       |
| j. Membership Development  | Woody Carter      |
| 6. Special Committees  |                   |
| a. Elections Committee   | Ed Ellis          |
| b. Survey Committee  | Conrad Blankenzee |
| c. By-Laws   | George McClure    |
| d. Historian   | Russ Theisen      |
| e. SOUTHCON '86  | Bruce Mathews     |
| f. Member-at Large   | Joe Massett       |
| 7. Chapter Reports   |                   |
| a. Aerospace and Electronic Systems Society                            | Dave Flinchbaugh  |
| b. Communications Society  | Madjid Belkerdid  |
| c. Computer Society  | Steve Forsythe    |
| d. Electron Devices Society  | Ralph M. Mindock  |
| e. Antennas and Propagation/Microwave Theory<br>and Techniques Society | Fred Wilcox       |
| f. Power Engineering/Industry Applications<br>Society                  | Michael Haddad    |
| g. Student Branch IEEE   | Steven D. McKenna |
| h. Student Chapter, Computer Society                                   | Ron Krauskopf     |
| 8. Unfinished Business   |                   |
| 9. New Business  |                   |
| a. Organizing a Conference   | George McClure    |
| b. Chairman's Notes  | Frank Fluet       |
| 10. Time/Place of Next Meeting   |                   |
| 11. Adjourn  |                   |

PLEASE REPLY TO:

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
April 9, 1985

AGENDA

1. Introductions & Review Agenda & Reports Frank Fluet
2. Approval of previous minutes. Don Malocha
3. Treasurer's Report Carl Schunemann
4. Chapters Chairmen Representative Geof Dick
5. Standing Committee Reports
  - a. Programs Conrad Blankenzee
  - b. Public Relations George McClure
  - c. Publications Alex Marton
  - d. Advertising John Gilbert
  - e. Awards Ben Patz
  - f. Florida Engineering Soc. Liaison Richard Harden
  - g. PACE John Gilbert
  - h. Student Activities Don Malocha
  - i. Education Fred Simons
  - j. Membership Development Woody Carter
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  - b. By-Laws George McClure
  - c. Historian Russ Theisen
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  - f. Power Engineering/Industry Applications Society Michael Haddad
  - g. Student Branch IEEE Steven D. McKenna
  - h. Student Chapter, Computer Society Ron Krauskopf
8. Unfinished Business
9. New Business
  - a. Organizing a Conference George McClure
  - b. Chairman's Notes Frank Fluet
10. Time/Place of Next Meeting
11. Adjourn

PLEASE REPLY TO:

F. A. Fluet, Chairman  
Orlando Section, IEEE

1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

March 11, 1985

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR MARCH 1985

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 1049 as of 1-31-85.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>1-31-85</u>
A	New Election to Membership	7
B	Reinstatement to Membership	0
C	Arrears Paid	1
E	Moving Into Section	11
H	Transfer In Member Grade	5
I	Moving Out Of Section	5
K	Went Into Dues Arrears	171!
M	Deceased	1 (L. J. McKesson)

Of the 171 arrears, about 90 are members and 70 are students.

  
W. C. Carter  
Membership Development Chairman

# Chairman's Notes

1. Report on Annual Region 3 Committee Meeting at Raleigh, NC, April 1, (at SOUTHEASTCON '85 conference).
2. Report on Quarterly Florida Council of IEEE Meeting April 2, at same location.
3. The Biennial IEEE Salary Survey will be published May 11, 1985. Each Section is entitled to a free copy of the survey. I will request our copy from Headquarters and make it available for circulation.
4. Section Notes (Newsletter):
  - a. Following up on Alex Marton's proposals to add new columns to the Section Notes, the next issue will carry a description of three newsletter services I propose be added. Any comments from the Executive Committee?
  - b. Alex also points out that our Newsletter's official name (according to the Bylaws Article 075: "ORLANDO SECTION NOTES") does not appear on the publication. Is there a reason?
5. A new brochure is available to very briefly describe what IEEE is. It is entitled "Introducing the IEEE". Order from:  
Tom White, NY Office  
345 E 47th St.  
New York, NY 10017  
(212) 705-7866
6. I attended a "Section Leadership Workshop" in Raleigh on April 1, in conjunction with the Region 3 meeting. See attached report.
7. According to Article 044 of our Section Bylaws I should appoint an Elections Committee at this Executive Committee meeting. I will ask the members of the Nominating Committee (i.e., Ed Ellis, Joe Massett and Ben Patz) to serve on the Elections Committee. Since there is only one nominee for each office and I have not received any additional nominations petitions from the Section membership prior to the April 1 deadline, the task of the Committee, per Article 045, is to cast a unanimous vote for the slate of officers on behalf of the Section membership and to publish this result in the June issue of the Orlando Section Notes.
8. I have a copy of the results of the "pilot telemarketing project", a telephone IEEE membership renewal program. In brief, 42.3% of the people contacted, renewed. Of most interest was the reasons given for not renewing:

Don't get enough out of it	30.8%
Not applicable/no longer in field	30.8%
Can't afford/justify cost	19.2%
Was not a member last year	15.4%
Not interested	3.8%
9. We have received a copy of the "Program Clearinghouse" from Debbie Powers, Florida Council Chairman. It lists other Section's Speaker activities and should be of interest to all program chairman. See me if you would like to borrow it.

Frank Fluet  
4/8/85

4

Report on  
Annual Region 3 Committee Meeting  
April 1, 1985 Raleigh, NC

Region 3 consists of all Southeastern U.S. One of the 10 Regions in the world, 6 Regions in the U.S. We are the fastest growing Region in North America. We have more Sections (45) than any other Region. The Region 3 budget is approximately \$55,000 this year. Membership in the Region is now at 28,000.

This once-per-year meeting of the Regional Committee, consisting of Region Director-Chairman, all Region officers and the Chairmen of Areas, Councils and Sections normally takes place at the SOUTHEASTCON conference.

- Vernon Powers (from Florida Council) and Chuck Alexander are candidates for Vice Chairman of Region 3.
- Debbie Powers: Chairman, FL Council -  
There will be a workshop in June in Orlando for Section officers.
- Joe Biedenback: Education Chairman -  
The Last Satellite program was only the second course that hit break-even (previous one was on Robotics). This program had 131 sites (16 sites in Region 3) participating with a total of 351 engineers. Fees varied from \$25 to \$125 per attendee with an additional \$5 charge for non-IEEE members.  
He advises Sections to "shop around" for low cost receiving facilities. Try cable service companies.
- The Jamaican Section has made a request to leave Region 9 and join Region 3. The natural affiliation would be with Florida Council. There is a strong possibility that will be the case.
- The Region PACE Conference and training session will be August 30 through September 2 at Seabrooke Island (near Charlotte) NC. Spouses and children are invited and activities are planned.
- IEEE Headquarters is considering having a specific annual meeting of the Institute.
- Area 4 (FLORIDA COUNCIL) may be split into two Councils to make it more "tractable".
- Atlanta SOUTHCON '85 unaudited attendance was at 16,500 with over 600 booths.
- East Tennessee Section presented a bid for SOUTHEASTCON '88 and received preliminary acceptance. (SOUTHEASTCON '86 is Richmond, '87 is Florida West Coast (Tampa)).
- Revised By-Laws for Region 3 to provide for a Secretary and a Treasurer in place of a Secretary-Treasurer.
- East Tennessee Section had an interesting "Centennial Archiving Project" report. I will copy our Section Historian for future reference.

Frank Fluet  
4/8/85

5

Report on

Florida Council of IEEE Meeting

April 2, 1985 Raleigh, NC

- Vernon Powers is looking for support from Sections for SOUTHCON '86 in Orlando. Volunteers he needs are:

Transportation Chairman  
Host Committee  
Tutorial Committee  
Professional Programs Committee  
Public Relations Committee  
Attendance Committee

Notify me if you are available to help out on any of the above. (Frank Fluet 843-7030).

- Annual Preliminary Budget was drawn up.
- Art Greene: Canaveral Section announced an upcoming (May 22, 23) IBM Personal Computer workshop at Brevard Campus of UCF to be conducted by Dr. King Osborne.
- New budget includes support to Sections for up to 3 Certificate of Appreciation awards (at \$25 each). Send notification and copy of expense to FCIEEE Chairman.
- FCIEEE Chairman suggested each Section have an evening of Senior member candidate promotion, at which potential Senior members would be supplied forms and Fellows would be available to immediately fill out recommendations. This is an excellent idea and could take place after a section meeting.
- The next FCIEEE meeting will be in Orlando in June. A Section Officers Workshop will also be conducted at that time. Time and location will be announced later.

Frank Fluet  
4/8/85

6

Report on  
Section Leadership Workshop  
Monday, April 1, 1985  
at SOUTHEASTCON '85, Raleigh, NC

1. Mark Lucas - IEEE Field Services:  
(See attached new Field Services phone directory and Section Rebate Schedule).

Bonus program is still in effect (\$5 per new Society member recruited by a Section and \$5 per new IEEE member recruited by a Society Chapter). Be sure to place the appropriate code on the membership application form.

For a new IEEE or Society member application  
place the Section Code: S030551  
and for each Society : TS A A A # #  
where AAA## is the Society AlphaNumeric Code  
(e.g., MTT17 for Microwave Theory and  
Techniques Society).

- Money is available for special projects from RAB.
  - Note: One social/non-technical meeting per year is rebatable for Section and for Chapters.
  - Membership Development materials are no-charge (except mailing) to Sections.
  - Can now request pink sheets sorted by:
    - a. same "reason" code (A, K, etc.)
    - b. ZIP code
    - c. alphabetically
  - Field Services is studying feasibility of sending membership data over modem or via floppy disc.
2. Bob Tanner - (next President of IEEE):
    - Public Information Network is being built.
    - The new IEEE brochure is available.
  3. John Miller - PACE:
    - John is available and has list of 51 speakers who will speak for free anywhere in Region 3 on PACE.
    - National PACE conference will be at Seabrooke Island, NC, Labor Day 1985.
  4. Larry Dwon - SPACS:
    - Handed out "PACE S-PAC Source Sheet" and spoke on organizing one.
  5. Willy Albanes - AWARDS:
    - New "Outstanding Section" award in Region 3 carries a \$500 stipend.
  6. M. Neiditz - Section Newsletters:
    - Displayed various forms of Section newsletters and discussed printing formats, charges, etc.
    - Had excellent discussion of postal classes. Second class seems to be the best at 1985 rates of 3.7¢/copy plus weight charges based on amount of advertising (for an average total charge of 5¢/copy).

There is a precise mail procedure (see example of North Carolina Section's) and if header lists appropriate addresses, IEEE Headquarters pays 27¢ for each return and automatically updates the mailing list.

Gail Farrank (?) of NY office is pursuing how to facilitate Sections getting 2nd class permits. (Some local post offices seem more amenable than others.)

One disadvantage is that a mail service is required.

Southwest  
4-1-85  
Gr.

SVC. CNTR (201) 981-0060

FIELD SERVICES

Hours: 8:00 A.M. - 4:00 P.M. (EST) Monday-Friday  
International Telex No. 236-411(NY) 833-233(NJ)

6A

Directory of services and staff members you may contact for inquiries and assistance:

	<u>Name</u>	<u>Ext.</u>
<u>GENERAL POLICY/ADMINISTRATION</u>		
	Don Suppers Staff Director	280
	Jan Fay Secretary	292
<u>REGIONAL ACTIVITIES BOARD &amp; REGION SERVICES</u>		
Administration, Policy and Services	Laura Jobmann Administrator	282
Region Support, Finances and Committees		
RAB Secretariat	Carol Telep Administrative Asst.	281
<u>SECTIONS/SOCIETY CHAPTERS/STUDENT BRANCHES</u>		
Administration, Policy and Services	Mark Lucas Manager	287
<u>SECTION AND SOCIETY CHAPTER SUPPORT</u>		
Section Rebates and Order Billing, Officer Records, Section/Chapter Formations	Gloria Gutwein Supervisor	283
Label Addressing Services	Sheryll Mayr	285
Section/Chapter Officer Records/Formations	Kathleen Ruggeri	288
Section/Chapter Supplies, Certificates & Officer Pins, Banners	Carole Bogart	286
<u>STUDENT SERVICES</u>		
Student Programs, Administration and Policy	Mark Lucas Manager	287
"Potentials", RAB INTERFACE	Mary Campbell Coordinator	289
Branch Support, Rebates, Officer Records	Laura Snyder	290
Branch Supplies, Potentials Magazine	Dorothy Collins	291
<u>MEMBERSHIP DEVELOPMENT AND MEMBER SERVICES</u>		
Membership Development Programs, Member Services, Administration and Policies	Roseann Schulz Manager	300
<u>MEMBER SERVICES SUPPORT</u>		
Membership Applications, Member Inquiries on Qualifications, Dues, Society and Subscription Payments, Membership Certificates/Jewelry, IEEE Benefit-Plans Insurance, Car Rental	Peggy Kovacs Supervisor	302
Region 8-10 Member Correspondent Specialist	Carol Lund	304
<u>MEMBERSHIP DEVELOPMENT</u>		
MD Supplies, Brochures, Information Centers, MD Activity Support, "Values of Membership" slide/tape presentation	William Hunter Coordinator	301

4-1-85 FAF  
@ RALEIGH, NC

1985 IEEE SECTION REBATE SCHEDULE

6B

A. BASIC OPERATING FUNDS

1. Allowance:

All sections in existence on December 31 of the prior calendar year and meeting minimum requirements shall receive a \$300 annual allowance. For new sections, these funds will be pro-rated based on the number of days from the date of establishment until December 31st of the initial year.

2. Membership Rebate:

- \$3.00 for each member (all grades) and Affiliate up to 200 based on the prior year's December 31st statistics.
- \$1.50 for each member (all grades) and Affiliates over 200 based on the prior year's December 31st statistics.

3. Chapter Membership Rebate:

\$0.70 for each Chapter member above Student Grade, and \$0.70 for each Chapter Affiliate, for those Chapters fulfilling the minimum IEEE Bylaw requirements for Chapter activity and membership for the prior calendar year. If a member is enrolled in more than one Chapter, the Section will receive the \$0.70 for each Chapter membership. Chapter membership shall be based on prior year's December 31st statistics.

B. ACTIVITY FUNDS

1. Section Technical Conference: A \$300.00 allowance will be provided for ONE Section Technical Conference held during the calendar year under the following conditions:

- a. The Conference shall be a unique technical program containing not less than five technical papers, panel discussions, or other technical presentations usually of a thematic nature designed to enhance the technical and professional growth of the members in the Section.
- b. The Conference shall occupy the major portion of a full day or longer, with a minimum of five hours devoted to the technical program. Additional social activities may be planned.
- c. The Conference is to be sponsored exclusively by one Section and possibly its own Subsections, Chapters, or Branches. Sections in Regions 8, 9 and 10 may cosponsor a meeting of this type with national engineering societies in their respective Regions.

6C

- d. To be eligible for this rebate, a formal report of the Section Technical Conference (on a form furnished by Headquarters) shall be submitted to IEEE Headquarters on or before February 1st of the following year.
  - e. The Conference must be distinguished from such activities as continuing education programs, short courses, films and lectures, which do not qualify as Section Technical Conferences.
  - f. A fee may be charged for the program.
2. Section, Subsection and Chapter Meetings: A rebate of \$25.00 per meeting shall be paid for each meeting held during the previous calendar year under the following conditions:
- a. The meeting has technical or professional activities content. (See exception in C.1.g. below.)
  - b. No fee has been charged to attend the meeting, other than for meals.
  - c. An appropriate meeting announcement has been issued.
3. Newly Elected Members: \$4.00 shall be paid for each new member above Student Grade elected to IEEE membership during the previous calendar year who resided in the Section territory at the time of election.

C. REPORTING REQUIREMENTS

To be eligible for a Rebate, Sections must adhere to the following reporting requirements:

1. Meeting Report:

The Meeting Report must be submitted on the form supplied by Field Services and contain the following information:

- a. Meeting date of each activity
- b. Attendance (number of members and guests)
- c. Meeting subject
- d. Speaker and affiliation
- e. Sponsor(s) of meeting
- f. Verification that no admission fee was charged

Limitations on the Meeting Rebates are:

- g. Only one non-technical or administrative meeting of each organizational unit may be included.
- h. A single Rebate (\$25.00) will be allowed for meetings jointly sponsored by more than one of the above organizational units.

2. Financial Report:

A Financial Report summarizing the previous year's financial activities must be submitted annually using forms and following guidelines provided by Headquarters.

3. Current Officer Reports:

Reports of current Council (if receiving funds for Sections), Section and Chapter Officers must be submitted on a timely basis following the election and/or the appointment of such officers. These reports must be updated during the year as Officers change. Forms are provided by Field Services.

4. Procedures:

After December 31st, each Section must submit the required reports for the prior year and, therefore, must have the current Section Officers, Committee Chairmen and Chapter Chairmen on record in the Field Services Department to be eligible for the annual rebate. No later than December 1st of the prior year, IEEE staff is required to forward all appropriate forms and instructions to the Section Officers of record responsible for submitting these reports.

The Financial and Meeting Reports should be submitted to Field Services no later than February 1st of the current year. Officer Reports should be submitted on a timely basis following Section elections or appointment dates. A report must be submitted even if the Officers do not change. In the event of an unavoidable delay in submitting the required reports by the above date, the Section should be aware that unless these reports are received by the last business day of August of the current year, the Section may not receive the current annual rebate payment. One half of the Section Rebate shall be paid in March and one half in September.

D. UPGRADING SUBSECTIONS TO SECTIONS

For Sections formed from Subsections after December 31 of the prior year, the current year's rebate for the new Section shall be based upon the terms of a written agreement between the officers of the Parent Section and the new Section. The agreement shall be developed in consultation with the Regional Director and IEEE Headquarters. Such agreement shall be concluded prior to establishment of the new Section.

6E

GUIDELINES FOR SECTION SUPPORT VIA REGIONS

There shall be funds available to Regions on an annual basis to support Sections that are having financial difficulties. Distribution of these funds will be made from the Service Center at the direction of the Regional Director.

Each Regional Director will be notified by January 31st of the amount of support being held for his/her Region at Headquarters for use during the calendar year.

Procedures to be used for the disbursement of the Section Support appear below:

1. A request in writing must be sent by the Regional Director or Treasurer to the Office of the Staff Director at the following address:

Field Services Department  
IEEE, Inc.  
445 Hoes Lane  
Piscataway, New Jersey 08854

This request must state the amount of money to be disbursed, the Section Name(s), and the expected use of the funds by the Section(s) receiving the Section Support.

2. Upon receipt of the request, the Field Services Department will issue a check request for the disbursement of the funds to the Section.
3. The Regional Director and Treasurer will then be notified.
4. A ledger will be kept on Section Support in the Field Services Department.

Please note that Section Support not used during the calendar year specified will not be carried over to the next fiscal year.

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GUIDELINES FOR PROJECT FUNDS

(ELECTRO SURPLUS DISTRIBUTION)

Funds are available beginning January 1, 1985 to support projects for sections identifying needs that cannot be met by other resources. Approximately 25% of these funds will be allocated for additional activities and 75% for special requirements of Sections with specific needs and limited funds. Proposals will be reviewed by a RAB committee consisting of the RAB Vice President, who shall serve as Chairman, the appropriate Regional Director, the Finance Chairman and the Regional Activities Board Secretary.

The following guidelines and procedures apply:

1. Proposals may be submitted at any time.
2. Proposals should be forwarded to the attention of:

Regional Activities Board Secretary  
Field Services Department  
IEEE, Inc.  
445 Hoes Lane  
Piscataway, New Jersey 08854

with a copy to the Regional Director.

3. Proposals should clearly describe the project, specify the amount of money requested, name the project director and describe the benefits to the Section.
4. Projects leading to activities that have the potential to raise money for the Section are encouraged.
5. The Secretary will distribute the proposals to the Committee, expedite a reasonably rapid response and communicate with the Section.
6. Checks for approved funds will be sent to the Section Treasurer.
7. Unused Project Funds at the end of a calendar year will be carried over to the next calendar year.
8. A report on the outcomes of the project shall be submitted to the Secretary, who shall include it in the Secretary's Report to the Regional Activities Board.

## To serve its members, the IEEE pursues objectives that are Technical, Professional and Societal.

Introducing the  
**IEEE**

### A Century of Service

The Institute of Electrical and Electronics Engineers had its beginnings 100 years ago, when a group of electrical inventors and entrepreneurs met in New York City to form the American Institute of Electrical Engineers (AIEE). As today, electrical engineers in 1884 were creating the most exciting and important new technologies of their times. Telegraph lines spread out in every direction, on the land and under the seas, to link people, communities and nations together. The telephone, less than a decade old, was already beginning to transform the patterns of communication within cities. Edison's electric light, invented only five years before, was being installed in factories, stores, schools and homes as the promoters of the new electric power system struggled to extend their work everywhere. And hard on the heels of the light were other uses for electric power, which promised to revolutionize almost every facet of life. The electrical engineers joined together in the AIEE to better understand and extend this new technology.

A generation later, another dramatically new technology emerged that was to have equally profound consequences for daily life—radio. So different was radio that its practitioners felt a need to form a separate society, the Institute of Radio Engineers (IRE). The IRE, founded in 1912, quickly became the focal point for the technology that evolved into electronics, with applications in television, radar, control systems and computers.

By the end of World War II, electronics engineering rivaled the size and scope of the older fields of power and communications. Increasingly, electronics and electrical engineers found their common interests outweighed their differences. Against this background, in 1963 the AIEE and the IRE merged to form The Institute of Electrical and Electronics Engineers.

Today, the IEEE is the world's largest engineering society with members, Sections and Student Branches dotting the globe. Its activities extend far more widely than its forerunners could have ever foreseen. However, it remains, just as a century ago, a premier spokesman for perhaps the most significant and exciting technological field of its time.



### Geographic Activities

The worldwide membership of the IEEE is divided geographically into 10 Regions. Within these Regions are 251 local Sections that serve as centers of activity at the local level. Of these, 77 are located outside the United States. Collectively, the Sections hold some 4,000 meetings per year, providing members everywhere an opportunity for personal involvement in Institute activities.

To foster student interest in the profession, the IEEE has Student Branches in 500 educational institutions throughout the world.

### Technical Activities

To serve the many technical interests of its members, the IEEE is also organized into 33 specialized Societies and 3 Councils through which most of its technical activities are conducted. These organizations, which are grouped into 10 Divisions, hold 200 conferences per year in addition to publishing more than 50 technical journals and magazines. IEEE members have the opportunity of joining any number of Societies to keep abreast of the latest developments in their fields of interest. Society memberships now total 275,000.

### Professional Activities

IEEE professional activities are worldwide in scope. Outside the United States, such programs are undertaken in close cooperation with the national societies of the countries in question. In the United States, they are carried out under the direction of the United States Activities Board headquartered in Washington, D.C. These activities address matters of economic, ethical, legislative and social concern. Programs include technical and nontechnical testimony before Congress, support of an IEEE Congressional Fellows program, extensive liaison with the Executive Branch, as well as activities related to employment assistance, career development and national technology policy.

### Publication Activities

The IEEE publishes 120,000 pages of technical material per year, constituting approximately 15 percent of the world's literature in the field of electrical, electronics and computer engineering. The Institute's key communications vehicle is its award-winning magazine *IEEE Spectrum*, which is sent monthly to all members. In addition, the IEEE publishes 42 journals, 10 specialized magazines, some 125 conference records and a variety of IEEE Press books.

### Standards Activities

The Institute is one of the world's foremost independent writers of standards and has developed and published more than 500 such documents, many of which are of pivotal importance. This activity, which involves more than 20,000

volunteers, brings vitally needed order in the areas of engineering practices, test methods, terminology and units of measurement.

### Educational Activities

A variety of continuing education programs are offered to IEEE members. These include home study courses, short courses and satellite-distributed seminars. The IEEE also participates in the accreditation of electrical, electronics and computer engineering and computer science curricula in the United States, as well as in the development of pre-college guidance materials.

### History Center

The Center for the History of Electrical Engineering, located at IEEE Headquarters, was established to promote the study of the history of electrical science and technology. It provides both an important resource for historians and a focal point for encouraging IEEE members and organizational units to undertake historical programs that serve engineers, historians and the general public.

### Public Information

Public Information programs are designed to improve the public's understanding of electrotechnology and its perception of electrical engineers—important contributors to the well being of society. An added objective is to create increased awareness among IEEE members of the Institute's responsibility for public service.

### Awards

A major purpose of a professional society is to give special recognition for outstanding achievements in its fields. In fulfillment of this objective, the IEEE and its Societies annually bestow over 100 awards and scholarships, including 11 major Institute awards.

### IEEE Foundation

The IEEE Foundation was established to enable donors to make tax-free donations in furtherance of the Institute's scientific and educational purposes. A principal activity of the Foundation is to fund several of IEEE's major annual awards. While the present activities of the Foundation are limited in magnitude, it is hoped these will be expanded in the future to provide greater support of educational goals.

The Institute of Electrical and Electronics Engineers, Inc.  
 345 East 47th Street, New York, NY 10017 USA  
 Eric Hott, Executive Director and General Manager  
 Telephone (212) 705-7900



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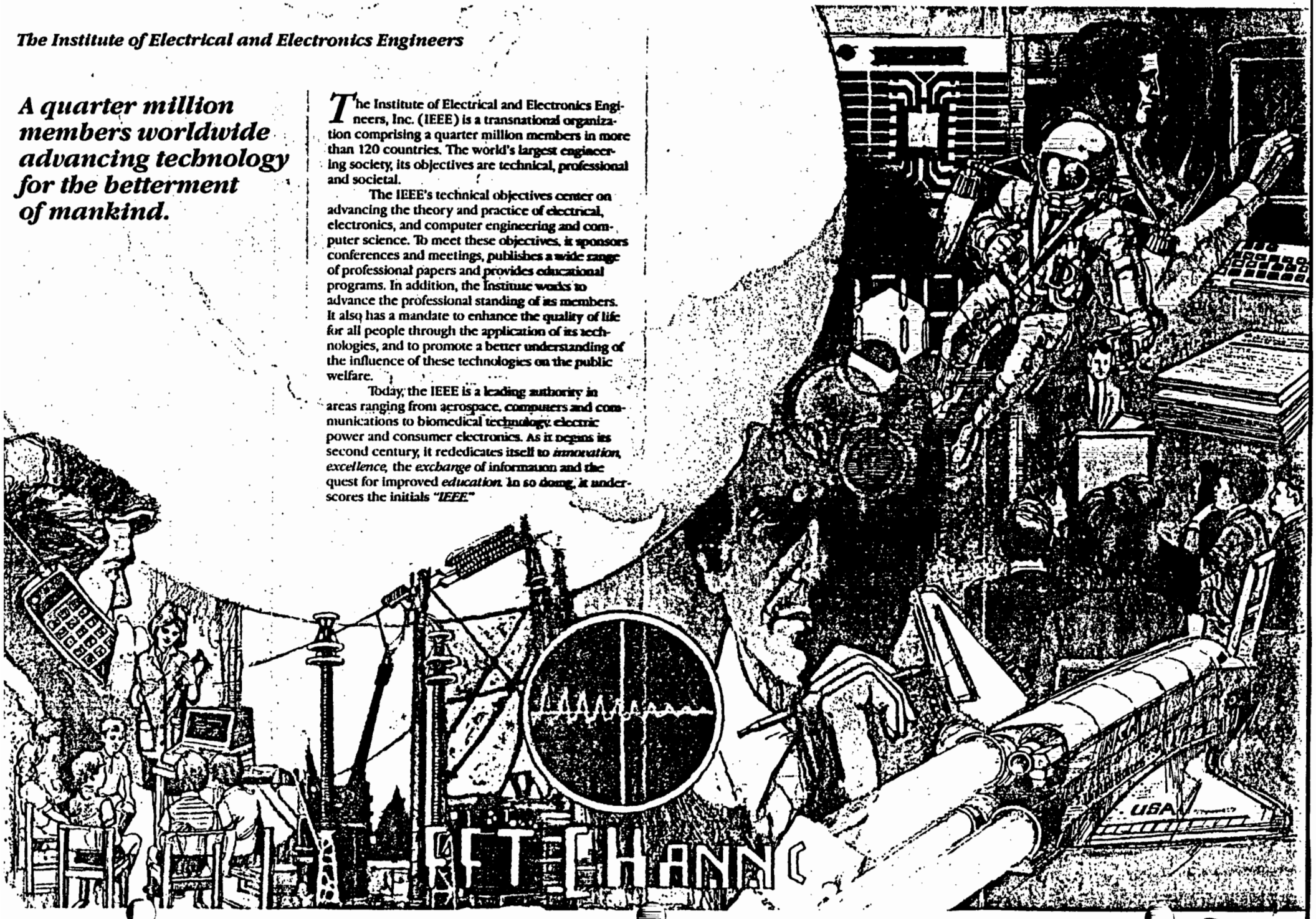
*The Institute of Electrical and Electronics Engineers*

*A quarter million  
members worldwide  
advancing technology  
for the betterment  
of mankind.*

The Institute of Electrical and Electronics Engineers, Inc. (IEEE) is a transnational organization comprising a quarter million members in more than 120 countries. The world's largest engineering society, its objectives are technical, professional and societal.

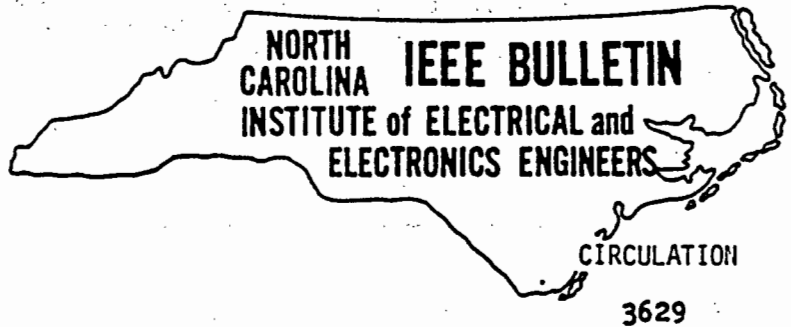
The IEEE's technical objectives center on advancing the theory and practice of electrical, electronics, and computer engineering and computer science. To meet these objectives, it sponsors conferences and meetings, publishes a wide range of professional papers and provides educational programs. In addition, the Institute works to advance the professional standing of its members. It also has a mandate to enhance the quality of life for all people through the application of its technologies, and to promote a better understanding of the influence of these technologies on the public welfare.

Today, the IEEE is a leading authority in areas ranging from aerospace, computers and communications to biomedical technology, electric power and consumer electronics. As it begins its second century, it rededicates itself to *innovation, excellence, the exchange of information and the quest for improved education. In so doing, it underscores the initials "IEEE."*



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MARVIN M NEIDITZ  
4302 DCGWCD DR  
GREENSBORO

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NC 27410

POSTMASTER: Send changes of address to IEEE Bulletin, PO Box 9972, Greensboro, NC 27408-0972

VOL. XXII

MARCH 1985

NO. 2



SPLINTERS FROM THE CHAIR

Tom Fleming and John Sees, NCSE'85 Co-Chairmen, held a meeting on February 15th. Planning for NCSE'85 is well underway. The next committee meeting will be on March 15th.

Congratulations again to the Charlotte Section for a record breaking NCSE'84. I hope that NCSE'85 will equal that record.

Dick Riddle, NC Council Chairman

#### IEEE TEXTILE INDUSTRY CONFERENCE

The annual IEEE Textile Industry Conference will be held at the Hyatt Regency, Greenville, SC on May 8 and 9, 1985.

The day and half program will include 11 technical papers dealing with a wide variety of topics applicable to the textile industry.

Advance registration fees are \$75.00 for IEEE members and \$80.00 for non-members. For additional information contact:

March brings two major events for IEEE - NC. The first, our annual Leadership Workshop, will be held on March 2 at Charlotte. Jim White is in charge of this.

At the Region 3 meeting in Atlanta, January 25 and 26, we discussed developing

## 2.7 TYPICAL PLANNING SCHEDULE FOR A CONFERENCE

### Actions to be Taken

Minimum  
Deadlines *Before*  
Date of Conference

Society, Group, Council or Region should Initiate, propose and coordinate as necessary with Section or other IEEE geographical entities	24-22 months
Agreement with other sponsoring organizations (if joint)	24-22 months
Appointment of General Chairman; organization of Conference committees	22-20 months
Selection of conference name, location, date, facilities, and listing in IEEE Technical Activities Guide	20-18 months
First Announcements and Call for Papers	18-16 months
Finalization of conference publication plans	14-12 months
Conference Committee meeting - preferably at conference location	12-10 months
Submittal of conference budget to IEEE TAB Conference Activities Office	10-9 months
Paper titles and abstracts, summaries, or full text to Program Chairman	8-6 months
Tentative detailed program with sessions titles, list of authors, speakers, and special events	5 months
Material for conference record to Technical Program Chairman for approval and to Publications Chairman for editing	5-4 months
First program publicity for IEEE publications editors	4 months
Printing of announcements or advance programs	4-3 months
Manuscript due at printer when conference record is to be printed and available at conference.	3 months
Mailing of advance programs and registration information	3 months
Publicity to trade magazines with news release	3 months
Final publicity in IEEE publications (including titles of all sessions)	2 months
Conference record should be available, if mailed to advance registrants	1 month
Local publicity	1 month - 1 week
Copies of conference record to Local Arrangements Chairman for distribution at conference	1 week
	Maximum Deadlines <i>After</i> Conference
Preliminary conference report on attendance, solvency and inventory of conference records	2 weeks
Return of advance loan to IEEE Headquarters for deposit to S/G/C account	4 weeks
Final conference report, including audit of fiscal records and distribution of remaining funds	2 - 3 months



# AUTOTESTCON '81

ORLANDO HYATT HOUSE, ORLANDO, FLORIDA

8A  
OCTOBER 19-21, 1981

## 1981 IEEE INTERNATIONAL AUTOMATIC TESTING CONFERENCE

PLEASE REPLY TO:

28 April 1982

P.O. Box 5837, MP-362  
Orlando, FL 32855  
(305) 352-3782

AUTOTESTCON Board of Directors  
President, Instrumentation & Measurement Society  
President, Aerospace & Electronic Systems Society  
Chairman, Orlando Section, IEEE  
IEEE Conference Services

Gentlemen:

Attached is the final report for AUTOTESTCON '81, the IEEE Automatic Testing Conference held in Orlando in October 1981. The conference was successful, having attained a total registration of 635 and a surplus of \$25,566.48 after repayment of cash advances totaling \$4500.00.

All conference bills have been paid, the accounts closed, and the surplus distributed equally to the three sponsoring entities: IEEE Orlando Section, AES-S, and S-IM. Credit must be given to the conference committee for their fine performance and for the tireless energies they devoted to this volunteer enterprise. Without such cooperation it would, of course, be impossible to organize and produce such a conference.

To our sponsors go our thanks for giving us the opportunity to stage this conference in Orlando, and our hope that they will consider Orlando favorably in the future, should the opportunity arise for a return visit.

Yours truly,

George F. McClure  
AUTOTESTCON '81  
General Chairman

Enclosures



Sponsored by  
INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS  
IEEE AEROSPACE AND ELECTRONICS SYSTEMS SOCIETY  
IEEE INSTRUMENTATION AND MEASUREMENT SOCIETY  
IEEE ORLANDO SECTION



Participating Society  
AMERICAN INSTITUTE OF  
AERONAUTICS AND ASTRONAUTICS  
SUPPORT SYSTEMS TECHNICAL COMMITTEE

8B

# AUTOTESTCON 81 FINANCIAL REPORT DETAILS

## 1. INCOME DETAIL

### A. Social Functions

Luncheons tickets sold, 9 at \$9.00	\$81.00
Reception tickets sold, 111 at \$7.75	860.25
Drinks sold at reception, 221 at \$2.50	552.50
	<hr/>
	\$1493.75

## 2. EXPENSE DETAIL

### a. Social Functions

Breakfasts (40, 70, 61)	\$1186.19
Luncheons (650, 60, 550)	17311.84
Dinner (20)	217.15
Coffee Breaks, \$3.00/day X 600	4924.23
Reception (600)	5464.99
	<hr/>
	\$29104.40

### b. Exhibits

Printing, contracts	246.55
Setup, teardown	4093.17
Space rental (33 spaces, 3 days)	2059.20
	<hr/>
	\$ 6398.92

### c. Committee

Board of Directors dinner meeting	376.65
Program Committee	66.12
Arrangements Committee	124.06
Conference Committee banquet	611.80
	<hr/>
	\$1208.73

# FINANCIAL REPORT FOR IEEE SPONSORED OR COSPONSORED CONFERENCES

NAME OF CONFERENCE AUTOTESTCON'81 (8C) DATE OF CONFERENCE 19-21 October 1981  
 LOCATION Orlando, Florida DATE OF FILING REPORT 25 April 1982

☐ PRELIMINARY BUDGET ☐ INTERIM BUDGET ☒ FINAL REPORT

INCOME	BUDGET	ACTUAL TO DATE
REGISTRATION FEES	\$ 37,375	\$ 53,707.00
* PUBLICATION SALES	\$ 5,120	\$ 5,884.79
EXHIBITS	\$ 9,600	\$ 20,480.00
SOCIAL FUNCTIONS	\$ --	\$ 1,493.75
ALL OTHER	\$ 4,500	\$ 6,652.55
<b>TOTAL RECEIPTS</b>	<b>\$ 56,595</b>	<b>\$ 88,218.09</b>

NOTE: PUBLICATION SALES SHOULD ONLY INCLUDE SALES OF PROCEEDINGS AT CONFERENCE AND OOP PRO TA PAYMENT FROM IEEE TO CONFERENCE.

EXPENSES		
PROMOTIONAL COSTS (Programs & Mailings)	\$ 5,250	\$ 3,630.26
ADMINISTRATIVE COSTS	\$ 7,020	\$ 7,633.78
PUBLICATION OF CONFERENCE PROCEEDINGS	\$ 7,075	\$ 10,175.52
SOCIAL FUNCTIONS	\$ 23,160	\$ 29,104.40
EXHIBITS	\$ 2,200	\$ 6,398.92
COMMITTEE EXPENSES	\$ 1,500	\$ 1,208.73
<b>TOTAL EXPENSES</b>	<b>\$ 46,205</b>	<b>\$ 58,151.61</b>

NET SURPLUS		POST-CONFERENCE DISTRIBUTION		
TOTAL RECEIPTS	88,218.09	NET TO BE DISTRIBUTED	25,566.48	
(MINUS) TOTAL EXPENSES	58,151.61	COSPONSOR	AMOUNT	% OF NET TO BE DISTRIBUTED
NET SURPLUS	30,066.48	AES-S	8,522.16	33-1/3
(MINUS) ADVANCE LOANS	4,500.00	S-IM	8,522.16	33-1/3
NET TO BE DISTRIBUTED	25,566.48	Orlando Sect.	8,522.16	33-1/3

NAME OF INDIVIDUAL COMPLETING REPORT

*G. F. McClure*  
 SIGNATURE  
 G. F. McClure

25 April 1982  
 DATE

CONFERENCE AFFILIATION AUTOTESTCON'81 General Chairman IEEE AFFILIATION Orlando Section

RETURN TO: IEEE CONFERENCE ACTIVITIES, 345 EAST 47th STREET, NEW YORK, N.Y. 10017

ORIGINAL

NOTE: KEEP PART TWO FOR YOUR RECORDS.

[illegible]

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## AUTOTESTCON'81 FINAL REPORT

AUTOTESTCON'81, the 1981 IEEE/AIAA International Automatic Testing Conference, was sponsored financially by the Orlando Section of IEEE jointly with the IEEE Aerospace and Electronic Systems Society and the Instrumentation & Measurement Society. The Support System Technical Committee of the American Institute of Aeronautics and Astronautics participated, but not as a financial sponsor.

The conference theme, "Automatic Testing — Key to Productivity," was reflected in the technical content of the conference sessions, in the keynote address, and in three workshops presented as part of the conference. The program comprised 22 technical sessions, a plenary session, and three panel workshops (one double length), in addition to the keynote address. In keeping with the military emphasis on testing and support systems, all three services were represented with featured speakers: Admiral Edward P. Travers, Vice Chief of Naval Material, as the keynote speaker; Colonel Richard F. Gillis, Air Force Acquisition Logistics Division, as the Monday luncheon speaker; and Colonel Robert S. Snead, Army TRADOC systems manager, as the Wednesday luncheon speaker. In addition, to represent NASA, Mr. Richard G. Smith, Director, Kennedy Space Center, was the Tuesday luncheon speaker.

Total conference registration of 635 (including 51 student or exhibits-only registrations) was in line with the previous year's, but the addition of exhibits for the first time in recent years provided both additional technical interest and extra revenue to the conference. There were 28 booths sold to 12 exhibitors. Two additional booths were provided by the conference at no cost, for IEEE and for AUTOTESTCON'83. Booths were priced at \$800 for each 8 X 10 foot space (including 1000 watts of power), with a 20% discount for payment four months before the conference. Freeman Decorating Company was the exhibits contractor for the conference, with a basic fee of \$38.00 per booth for sign and drapery (aisle carpeting additional). Mohawk Security Services provided around-the-clock guard service for the exhibit area during the conference.

Printing was divided into two categories: the conference record and author's kits were produced by McGregor & Werner, Inc., in Washington, D. C., with the actual printing done in their plant in New Carlisle, Ohio. There were 105 author's kits and 1200 copies of the conference record, including the 400 copies required for the IEEE Open Order Subscription Plan. Page charges were imposed for excessively long papers, collected by McGregor & Werner; this was explained in the author's kit. An address and telephone list for all authors, session chairmen, and conference committee members was included in the conference record. Other printing (calls for papers, programs, and registration materials) were printed locally.

A Call for Papers was distributed during AUTOTESTCON'80, then subsequently mailed out to the mailing list maintained for these conferences by George Emilio at Grumman Aerospace. That mailing (first class, pre-sort rate) was used to update the list (which consisted of addresses collected during the three years' previous conferences), by requesting address correction with the first class mailing. About 200 corrections were received on the 3081 name list, in part because it had not been possible to incorporate the 1980 additions to the list owing to a move of the computer equipment at Grumman.

An advance registration mailing was sent out to the updated mailing list 60 days before the conference. That mailing went third class, however, and long delays in receipt were noted in some areas, notably Dallas-Fort Worth. The advance program, printed on opaque thin stock to keep the weight under 1 ounce, was mailed to all participants and inquirers, first class, before the conference. The final program, printed on heavier stock and with a heavy cover to withstand handling better, was distributed at the conference.

The IEEE maintains a mailing list of newsletter editors and others who can assist in the dissemination of conference information. There are 525 names on this list. Materials to be distributed are sent to Marie Hogan at IEEE in Piscataway, with a copy of the covering letter to Phyllis Steinberg in Conference Services at IEEE New York Headquarters. Our attempt to use this service was foiled by delays in the mails in getting the material to Piscataway. Express Mail or United Parcel Service should be used for that.

Publicity coverage was good in the ATE Newsletter, but light elsewhere. The AESS Newsletter did not provide a full page as expected, but did provide a schedule listing (Dave Dobson at McGregor & Werner, who handled the arrangements for the conference record, also handles the publication of the AESS Newsletter). The S-IM Newsletter provided publicity on the program, but its production delays meant that it was the tentative program that was publicized after the final program has already been set. Electronic News and Aviation Week sent representatives to cover the conference (complimentary press registrations were provided).

Mementos of the conference were provided to authors and session chairmen. Rather than the certificates of appreciation used in past years, a coffee mug with the conference logo was given to each author and session chairman (192 of these were ordered, at \$3.38 plus shipping). A desk calendar with a conference imprint and the name of the recipient was given to each member of the board of directors, conference committee member, workshop participant, and session chairman. The cost was \$10.00 plus shipping and, where mailing to the recipient after the conference was required, boxing and postage. An engraved plaque was prepared and presented to the Man of the Year.

Some inquiries received from speakers after the conference indicate that the certificates of appreciation are not totally superfluous, and are sought by at least a few. The contact for these is ISA Promotions, 14855 Timberhill Road, Minnetonka, MN 55343, Eileen Jensen, 612/933-4886. The calendars are produced by Myron Manufacturing Corporation, 61 West Hunter Avenue, Maywood, NJ 07607, 201/843-6464.

The site of the conference was the Hyatt Orlando. Facilities included a convention center and an exhibition hall. There was no charge for the use of the convention center, but a charge of \$20.00 per day per exhibit booth space was paid to the hotel. This included three booths that were used by the exhibits contractor as a service desk. Three lunches were served to all registered attendees. A reception with finger foods and bar service was held the second evening. Admission to the reception, including food service and one drink, was included in the registration fee, along with the three lunches. The hotel provided rental of the required audio visual equipment and of a typewriter for the conference office. Basic public address equipment (podium and microphone) were free, but all other accessories were rented by the day, including lavalier mikes, mixers, screens, slide projectors, A/V carts and tables, etc. The conference service and food services were very well done by the hotel. Problems were encountered in coordination with the front desk and

the accounting department.

Life insurance was obtained for the conference, including \$25,000 robbery insurance (\$100 premium) and \$5,000 all-risk insurance for the audio-visual and office equipment (\$60 premium). The latter was probably not necessary, since the hotel rented the equipment to us. The former was not adequate to meet our peak needs, when \$50,000 was deposited in the bank in one day.

The hotel provided the conference with a complimentary room-night for each 50 room nights sold. As of two weeks before the start of the conference, 1373 room-nights has been reserved: Sat.- 63; Sun.- 415; Mon.- 453; Tue.- 442. The hotel's conference room rate of \$60.00 per day, while representing a reduction over regular rates, kept attendees traveling on government per diem from staying there, and reduced our room credits accordingly. Some 35 government people attended a Navy testing meeting following this conference, at a motel nearby. Although we could provide them with a meeting room at the Hyatt (and so offered in advance), the sleeping room rate caused those attendees to stay at the other motel.

The advance registration number was used to set the guarantees for lunches, because of the lead time required. Experience from the previous year indicated that advance registration accounted for one-half of the attendance. The advance registration was 357 total, divided into 230 in industry sponsors and 127 individual registrations. Of these, 315 were prepaid and 42 (mostly government employees) required billing on military purchase orders or payment at the door. The lunch guarantees were high, since the advance registration turned out to be 60% of the total for this conference. The numbers were:

Lunches	Monday	Tuesday	Wednesday
Guaranteed	650	600	550
Actual	538	532	502

The conference did not attempt to control booking of hospitality suites. It did offer a listing of suite numbers on a directory in the conference area for \$100. Participation in coffee breaks and the reception were also sold, at \$200 and \$500, with suitable acknowledgement in the program and on billboard signs. It is recommended that future conferences maintain control of the booking of hospitality suites, to assure that support of exhibits is maintained and to simplify listing of suite numbers. Placement of announcements independently in the lobby area by suite operators is discouraged because of the carnival-type clutter it produces.

Registration was aided by the loan of a computer system from Hewlett-Packard and the development of a registration software package (contact Charles Curley for details). Data from registration sheets were entered in the computer located adjacent to the registration area, and all pre-registration information was pre-loaded. The list of conference attendees was produced as a reformatted printout of the registration information. Mailing addresses and telephone numbers were included in the list, which was initially sold for \$1.50 to recover some of the \$400 cost of printing it. Few copies were sold, however, and free distribution would be advisable. Free copies were available the final afternoon of the conference to those interested.

#### LESSONS LEARNED

1. While positive responses were received on the technical program, it was

probably too long and required scheduling with not enough time between sessions or after lunch. The result was that the afternoon sessions ran late and authors at the end of sessions sometimes had little time in which to present their papers. Fewer but longer sessions would probably be better.

2. Papers were reviewed and accepted on their individual merit and on the suitability to match the technical sessions being formulated. No rigid limit was imposed on the number of papers presented by a single company or agency, although there had been such a limit in previous years. The result was that, in a few cases, more papers were accepted from one group than had been anticipated by that group, with a resultant strain on travel budgets. Thus, some informal limitation seems reasonable, if that is the expectation of the company submitting the papers.

3. Block registrations (groups of ten or more) by companies had been encouraged to generate cash flow early to meet conference expenses. However, no fixed cutoff was imposed when these registrations (at member, early registration rates) could be accepted. The result was that some were telephoned in immediately before the conference, with payment not received until after the conference. That defeated the reason for having block registrations. The need for this cash was reduced by the income from exhibit booth sales, as well. It is recommended that a fixed cutoff on block sales at reduced rates be published early, and that no block sales be accepted without payment at the time of the reservation.

4. The availability of hospitality suite listings should be publicized early to those interested, so that payment can be received before the service is provided (i.e., signs made up). In one case, this was not done and a telephone request was honored with invoicing to follow. The service was provided but the invoice was not paid.

5. The use of government purchase orders for registration should be discouraged. The goal of pre-registration—early cash flow—is defeated when billing after the conference is required for a purchase order. With delays in responding to the invoices, we have found that some military purchase orders were not paid for before the conference account was closed out, 5 months after the conference.

6. There were large variances on some budget items that could provide guidance for future conferences:

a. Costs of postage, mailing labels, and telephone and secretarial services were low because of corporate donations of resources.

b. Rental costs for audio-visual equipment were grossly underestimated. This is a point to cover in negotiating with the hotel or other provider, in advance. It is prudent to maintain a list of what is used, so that duplicate charges are not honored when one machine fails and is replaced; there are two machines but only one is providing service.

c. Printing costs are much higher than was estimated, for registration forms, ribbons, envelopes, and supplies.

d. Awards cost much more than was planned, but the extent of this category was not well understood at the outset. An offsetting underrun on "Contingencies" balanced this out.

e. A meeting in advance with the front desk manager would be helpful, to assure that the policy on charging to the conference account and being credited with complimentary rooms is well understood. Confusion here required a month of letter writing to sort out.

f. Sales of the list of attendees generated \$243 in income versus a

printing cost of \$431. Many copies went unsold. It would be better to give the list away.

g. A delay of a month after the conference before large bills were received from the hotel allowed funds to be kept longer in high-yielding accounts, earning over \$1900 in interest that was not planned in the budget.

Southcon 1984  
Registration Committee  
Final Report

February 10, 1984

9A

To: Mr. Stewart M. Huey, C.A.E.  
Southcon Administrative Manager  
Suite 220  
2786 North Decatur Road  
Decatur, GA. 30033

From: Russell E. Theisen  
Vice Chairman Registration Committee  
Southcon 1984

Subject: Southcon 1984 Registration Committee Report

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This is the final Southcon Registration Committee report from the Vice-Chairman 1984.

Over all the registration was handled in a professional manner and went very smoothly. The committee consisted of Orlando area E.R.A. & I.E.E.E. volunteers that guided and manned the registration during the three (3) day conference.

It took over 42 volunteer committee members to handle the joint Mini Micro and Southcon registration. This included approximately 6 registration committee members for each of the 1/2 day shifts (First shift, 8:00 a.m. to noon and Second shift, noon to 5:00 p.m.) for both of the last two (2) days. Three additional volunteers per shift were required for the first day registration because of the large registration activities.

Even though some 9,000 pre-registered an additional 6,000 registered at the conference. Approximately 3,000 during the first day ; 2,500 the second day and 500 the third day.

The first day was the most demanding with 9 committee representatives needed to handle the joint conference registrations distributed as follows :

QTY	FUNCTION
1	Chairman or Vice Chairman -Admin.
1	Day Captain - Lead Controller
1	Badge machine station - coordinator
2	Registration line door monitor
2	Roving greeters and Information
2	Badge control door monitors to insure separation between Mini Micro and Southcon badged attendees.
Total	9 Registration Committee volunteers

9B

We suggest that in the future we could improve the conference if the following items are corrected:

1. The Badging lines should be proportioned so that 7/8 of the registration area be devoted to Southcon registration and 1/8 be devoted to Mini Micro registration and all of the V.I.P. , press, and extra badging functions.  
It took some 35 seconds to process each attendee badge on each machine. There were 8 machines in operation but we had over 350 people waiting in line to be badged at two peak times on the first day 9:00 to 11:00 a.m. and 1:00 to 3:00 p.m..
2. The placement of the registration desk should be changed to be the first thing that an attendee sees on entering the convention center instead of the proceedings book sales booth that was placed at the entrance to the hall.
3. Information signs and diagrams were missing. Most of the conventions use "You are here" Diagrams to locate the registration area, exhibitors registration, pre-registration, cashier, badging, restrooms, press room, movie studio, exhibitors lounge, speakers lounge , etc. Color tape on the rugs or floor could be used to direct the people through registration , especially since the registration machines were hidden from view.
4. There were not enough final programs printed to cover the demand from the paid registrations on the last day. We should at least retain enough for the paid registrations the last day.
5. There was a shortage of jackets for the Thursday ( last day) registration committee members. We should have better security next time to minimize pilferage .
6. There should be several backup registration committee people on call to cover for those who do not show up at their assigned times. We used 4 back up people during the 3 days.
7. There should be at least two (2) registration committee meetings to familiarize the registration committee with the facility . The busy schedules of the volunteers sometimes prohibit the attendance of the single all committee meeting offered by Electronic Convention Inc. the day before the conference.

8. The registration committee should be provided parking & meals at less than conference rates especially when they serve double shift service. It is a bit too much to expect the volunteers to :
  - ☐ Donate his time free
  - ☐ Buy his own meals at convention prices
  - ☐ Pay for parking or transportation
  - ☐ Attend organizational meetings
  - ☐ Not access to the V.I. P. lounge or Equivalent coffee break area
9. The Registration lobby should have area map to show:
  - ☐ Facility meeting locations
  - ☐ Restroom and eating areas
  - ☐ Local area map for lunch & dinner selection.
10. The movie theatre was standing room only for most of the afternoon sessions. We could use a larger facility next time.
11. The paid convention personnel should be commended for their professional handling of the registration matters. They did an outstanding job in pre-registration, cashier, badging and operational matters. We have nothing but praise for these people.
12. The convention facility was filled to capacity with the exhibits. If we expand the exhibits to 700 or 800 in 1986 we will not be able to handle the Southcon within the existing Orange County Convention facilities. We may have to split the convention if this is not corrected before next time.
13. Transportation between hotels was not well coordinated. The bus drivers did not all know what they were supposed to do. The Days Inn and Rodeway Inn were skipped in the mornings pick-up both Wednesday and Thursday. I had suggested that the registration committee park at one of the local hotels and catch the bus to the convention facility. Only the Sheraton Twin Towers and Sheraton World were used in the mornings according to five of the committee who tried this. We also received complaints that the busses were not picking up at the designated pickup signs at the Marriott and Sheraton Hotels on Thursday afternoon (Jan. 19, 1984).
14. The Super Bowl Weekend kept much of the publicity media away from the conference. We need to get more TV coverage than we did this year. We have found contests between robots seem to always draw the media coverage to conferences. Maybe we can use this gimmick in our advertising to help get coverage.
15. Several attendees complained of allowing smoking in the aisles even though no smoking signs were displayed. Also the technical sessions did not seem to enforce no smoking or

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separating the two seating groups into smoking and non-smoking sections.

16. I talked to several exhibitors and they said that this was the best Southcon yet. We had both quality and quantity of attendees. The security was the best of any conference at which Tektronix and others had exhibited at any time in the past.
17. Exhibitor complaints were generally as follows:
  - o Humos in the aisles caused people to stumble over power cords under the rugs.
  - o Exhibitors were not aware of the camera passes that would allow them to photograph their exhibits.
  - o Crowds of a few exhibitors who had shows blocked the aisles and impeded traffic flows.
  - o Signs and booth decorations were not of the quality expected by several exhibitors.
  - o Hospitality suits were not in close proximity to the convention floor for conducting business.

Congratulations to you , Stewart, and all the Directors for your guidance and direction. The attendance committee did an excellent job of pre-registration . This made the registration committee's job much easier. I was proud to be a part of Southcon 1984.

Sincerely,

Russell E. Theisen, Vice Chairman  
Registration Committee  
Southcon 11984

cc:  
Harold Scott  
Dayner / Hall Advertising Inc.  
132 Benmore Drive  
Winter Park, FL 32792-4101

I FEE

May 7, 1985

1. Called to order 5:40 pm. Quorum.
2. Approved Treas. report.
3. Geoff Dick - Chap. Chairman -  
June 22 Install. Banquet
4. Conrad Blankenya - Programs.  
Possible shuttle mgr. as speaker for  
installation banquet (Dr. Jim Kelly)
5. Alex Marton - new printer as of  
May section notes
6. Awards - Absent.  
Dave Finchbaugh - Fellow  
Ben Patz - get awards pictures from  
banquet to Alex.  
Service award - get Ben to call  
Frank F. about.
7. FES - no report.
8. PACE -
9. Student activities -

Education - satellite courses did not go well.  
Can take IBM PC to hotel.

6 " " @ SORC  
or @ UCF in CAD lab.

Submit outline for short course on P.C.  
Possibly tour new Eng Bldg.  
sponsored by student IEEE group.

Membership -

Elections Committee - effective July 31  
the proposed slate will be in effect.

Survey Comm. tabulated - will put  
comments/observ. in Chairman's  
corner.

Historian - may need to condense  
material. Possibly a retired eng.  
may be interested.

Southeast '86 - Orl. hot section.  
See page 5 of Apr. 9 Agenda.  
Volunteers needed.

Computer Soc: 3 meetings in April.  
~10 people per meeting.

ED Society - need another meeting this year.

AP/MTT - June 6 at H.P.  
Jerry Hickman - S. Atlanta  
Ladder Cross Section  
Will hold election.  
Joe Kinn - V.C.  
Bob Smellwood - Sec.  
Leeth Huddleston - C.

PE/IA - next Tues. - Patents  
Pat. Att. - for West. House  
will also be Sect. meeting

Pace - Apr. 26 - Herb Hayre meeting.  
retirement benefits  
7 members & 4 wives  
very well versed  
May need to have a call committee  
for important conversations.

May 12-18 - week Nat. Science, Math, &  
[Res. 161 House Bill] Eng. Work.  
Joint Resolution  
to be sponsored. Call reps. if  
necessary.

PR - G. McClure - no media coverage  
on Herb Hayre

Need nominations for USAB awards  
for June to Region B.

G. to send awards copy to Pitz.

Fri 8:00pm to Mon 12:00.

Labor Day Weekend.

USAB will pay for Pace Chairman.  
or Section Chairman

Advertising - J. Tibert

Two accounts - H.P.

lost - Emeco

Fluke on sidelines

≈ \$400.00 outstanding

Solicit one phone call from any  
advertiser you may.

Personnel Ads. - available free.

New Business - conference bid, how to set up.

see Apr. notes

Look to local society chapter. local  
Adp. <sup>Adp.</sup>

Ad # on 50-50 basis.

Good location

Comm - NTC, Globe.com.

Veh. Tech. -

Autotest.com -

Ed. Soc. every

~~Ed~~ Nuc. Soc. &

TAG put out every quarter.

New facilities

Often meeting space is free

Hyatt @ Disney.

Sheraton Towers.

Conf. Guide Available.

Chamber of Commerce

Wash. Printer for conf. proc.

Treasurer.

1 free room for every 50 booked.

Hospitality suites

~~2~~ 3000 seed.

Conference Comm - 3 or 4 conf. over  
next 3 years

Target + budget

G. McClure - act as consultant

( Jr. & Sr. Past Chairman as Chairman  
Conrad Blankenza.

Ed & Frant

cc sec  
received 10-15-84 gr

October 10, 1984

Dr. Kahrman  
IEEE Service Center  
445 Hoes Lane  
Piscataway, NJ 08854

Dear Dr. Kahrman:

I want to thank you for the opportunity of talking to you yesterday concerning the IEEE live video conference program.

The University of Central Florida has sponsored two programs. Copies of the conference announcements are enclosed for your information. Just a thought about the content of the announcement. There is no space for the sponsoring activities to place information about local sponsorship and location for the conference. You will note that we have adapted your copy to accommodate our needs.

The two programs we have held so far have not quite covered out of pocket expenses, let alone the indirect costs. Our attendance was 24 for Personnel Computer Software and 13 for Project Management. As you know, the preregistration for the USLI Conference was disappointing.

As you can gather, we are experiencing some difficulty in marketing the program. We believe it is a good program, but needs more visibility and recognition. In terms of increasing the visibility and controlling announcement expenses for the site, have you ever considered advertising the program in the IEEE National publication listing the sites where the conferences are offered and the telephone number and person to contact for additional information? This would limit site expenses to the non IEEE member market. If this is already being done, I am not aware of it.

In the interest of continuing the program here at the University of Central Florida, we would like to accept the offer you have made during our telephone conversation. ~~The University of Central Florida and the Central Florida Section of the IEEE will cosponsor the Integrated Manufacturing Systems Conference being offered on December 4, 1984. The University will reimburse the IEEE 50% of Income less membership rebates up to a maximum of \$600.00.~~

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If this agreement is acceptable, please advise us as soon as possible so that we can plan for the Conference.

Sincerely,

V. Amico  
Coordinator

VA:cel

cc: Frank Fluet, President  
Central Florida Section IEEE  
Dr. Fred O. Simons, UCF  
Dr. Bruce Mathews UCF

Encl.



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## STUDENT BRANCH CORRESPONDENCE

November 1 Meeting

Please Reply to:

IEEE Meeting

<u>Name</u>	<u># of persons</u>	<u>\$</u>	<u>Paid</u>
Mike Harris	2	30	check
Donald Malocha	2	30	check
Brian Petrasko	1	15	cash
Larry Andrews	1	15	cash
Robert Walker	1	15	cash
Parveen Wahid	2	30	check
Robert Martin	1	15	cash
Ben Patz	1	15	check
Bruce Mathews	2	30	check
Dick Miller	1	15	cash
Mary Bauer	2	30	check
Art Wilson	2	--	unpaid

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TOTAL

18

\$270



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ENGINEERS, INC.

STUDENT BRANCH CORRESPONDENCE  
November 1 Meeting

Student's List

Please Reply to:

<u>Name</u>	<u># of persons</u>	<u>\$</u>	<u>Paid</u>
Bob Radloff	2	16	cash
Robert Middelveen	2	16	check
Navid Ghandeharioun	1	8	check
A.J. Vigil	2	16	check
Phil Gatt	2	16	check
Barry Lane	1	8	cash
Ben Abbott	2	16	check
Hal Creech	2	16	check
Bob Solomon	1	8	check
Howard Fain	1	8	check
A.I. Rawahy	1	8	check
Kourosh Bastani	2	16	check
Art Weeks	1	8	check
Ron Booher	2	16	check
Danny Lester	1	8	check
Sam Richie	2	16	check
Carl Bishop	1	8	check
Fadi Ayoub	1	8	check
Chris Panayioutou	2	16	cash
Pourparviz	2	16	cash
Massoud Towhidnejad	1	8	check
Ray Yap	1	8	cash



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### STUDENT BRANCH CORRESPONDENCE

<u>Name</u>	<u># of persons</u>	<u>\$</u>	<u>Paid</u> PLEASE REPLY TO:
Mark Vargus	1	8	check
Ali Shahnami	1	8	cash
Mohammad Amirzadeh	1	8	check
Randy Janka	2	16	check
J. Clint Walker	2	16	check
Don Vincent	1	8	check
Steve Ordonia	2	16	check
Jerry Christian	2	16	check
Tim Naughton	2	16	check
Vicki Madden	3	24	check
Thomas Miller	2	16	check
John Querns	2	16	check
Erick Whitehead	1	8	check
Barry Anderson	2	16	check
David Allen	2	16	check



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### STUDENT BRANCH CORRESPONDENCE

<u>Name</u>	<u># of persons</u>	<u>\$</u>	PLEASE <u>Pay</u> TO:
David Singleton	1	8	check
Garry Morrisette	1	8	check
Donald Law	2	16	check
David Huddleton	2	16	check
Pete Walton	2	16	check
Terence Murphy	2	16	check
William Smith	2	16	check
John Loutfi	1	8	cash
Traci Atkins	1	8	check
Michael Deschenes	2	16	check

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Total

77

\$616



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# FIELD SERVICES DEPARTMENT GENERAL SUPPLY REQUEST

FS-02

PLEASE ALLOW TIME TO SERVICE REQUESTS:  
4 WEEKS IN NORTH AMERICA; 8 WEEKS OVERSEAS.

**IEEE Field Services**  
**345 East 47th Street**  
**New York, New York 10017**

## NOTE TO FIELD SERVICES

Order placed by:

Name DON MALOCHA

Office held SECRETARY

Telephone No. (305) 275-2414  
(during business hours)

Material required by (date):

COUNCIL or SECTION NAME ORLANDO REGION 0 COUNCIL 2 SECTION 05 SUB SECTION 5  
GEO CODE 0 2 0 5 5 1

### GENERAL SUPPLIES:

☒ L-31 Meeting Report Forms (Yellow)  
☐ L-32 Annual Meeting Report Forms (White)  
☐ L-40 Instructions for Reporting Meetings (Pink)  
☒ C-20 Bond Paper with IEEE Logo \$15.00/M

1M Sec. 23 Unstamped #10 Logo Envelopes \$17.00/M  
Sec. 23 15¢ Stamped Logo Envelopes \$216.00/M  
Meeting Notice Bond Paper... \$17.00/M  
Pocket I.D. Cards (L-10)... \$8.00/M

### MANDATES AND GUIDES:

21.00  
☐ Constitution  
☐ Bylaws  
☐ Policy and Procedures  
☐ Awards Guide  
☐ Chapter Operations Guide  
☐ Financial Operations Guide for Sections  
☐ How to Organize an IEEE Conference  
☐ Membership Development Guide for Sections  
☐ Membership Desk at the IEEE Conference

Nominations and Appointments Guide  
Professional Activities Guide (USAB)  
Public Relations and Publicity Guide  
Section and Chapter Meetings Guide  
Section Operations Guide  
Section Publications Guide  
Student Activities Guide for Sections  
Section Manual (all of above guides)  
☒ Guide to Field Services

NOTE: Postage, handling and material costs for supplies will be deducted from the Section rebate.

(For office use only)

☐ Parcel Post ☐ First Class ☐ Air Mail ☐ United Parcel ☐ Express Mail ☐ Other

Shipment Ordered on: 10/23/80

Date Shipped: \_\_\_\_\_

AC# 1230551

WIO# 690A31

Donald Malocha  
Authorized by

Postage: \$

Labor: \$

Material: \$

TOTAL \$

Your name and address as written below will be used to acknowledge this order.

The name and address as printed below will be used to ship the materials.

THIS IS YOUR SHIPPING LABEL

THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

445 HOOPER LANE, PISCATAWAY, NEW JERSEY 08854

ORDERED BY:

DON MALOCHA

409 BAY TREE LN

LONGWOOD, FL 32779

THE INSTITUTE OF  
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ELECTRONICS  
ENGINEERS, INC.

445 HOOPER LANE, PISCATAWAY, NEW JERSEY 08854

SHIP  
TO

DON MALOCHA

409 BAY TREE LN

LONGWOOD, FL 32779

CONFIRMATION-RETURN TO ORDERER

*Frank Blunt*



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

FLORIDA COUNCIL CORRESPONDENCE

PLEASE REPLY TO:

29 September 1984

1730 Shiloh Lane  
Winter Park, FL 32789  
(305) 356-3782

Dr. Leon Couch  
3524 NW 51 Avenue  
Gainesville, FL 32605

Dear Dr. Couch:

This is to confirm the commitment of the Florida Council to fund \$300 of the budget for the Student Professional Awareness Conference to be held at the University of Florida in November.

This action was approved at the meeting of the Florida Council held on 8 September in Orlando.

Laura Snyder in Student Activities at the IEEE Service Center points out that it is appropriate also to solicit industry contributions for support of SPACs. If this avenue has not been pursued, perhaps it would be appropriate to contact local organizations, such as G.E. Battery Products Division and others in the area for support. Letters requesting contributions from companies represented on the College of Engineering's Board of Visitors who advise on the curriculum needs of industry would also be appropriate.

We are looking forward to a successful SPAC in Gainesville. If the Florida Council can be of further assistance please call on us.

Sincerely,

George F. McClure  
Chairman

Ed Ellis 244-<sup>1203</sup>~~1023~~

## Centennial Medals.

? - Mannie Connell ✓  
George McClure ✓ ✓  
Joseph Massett ✓ ✓  
Ernie Erickson ✓ ✓  
Don Mendorf ✓ ✓  
Russ Theisen ✓ ✓

Herman Van de Kaart.

C. F. Flick  
D. A. Smith.

Eng of Yr.

84

Malocha

83

F. Leichbaugh

82

Erickson

81

Mannie Connell ? Max

80

79

Russ Theisen

78

Herb Towle

77

George Mc Clare

76

Richard Haden,



## REGIONAL ACTIVITIES BOARD

MEETING REPORT  
August 10, 1984

In accordance with action taken by the Regional Activities Board (RAB) during its May 14, 1984 meeting, the following is a brief Report on the August 10, 1984 RAB meeting. Please note that many of these items require further action by Committees, Major Boards or the Board of Directors.

- Approved the formation of the following:
  - a. Monterey Bay Subsection of the Santa Clara Valley Section in Region 6.
  - b. Oklahoma State University Student Branch "B" in Region 5.
  - c. Texas Christian University Student Branch in Region 5.
- Dissolved the Muscle Shoals Subsection of the Huntsville Section in Region 3.
- Received and noted the following Chapter formations:
  - a. COMM-19 of the New Hampshire Section in Region 1.
  - b. AES-10 of the Huntsville Section in Region 3.
  - c. COMM-19, PE-31 and IA-34 of the Saskatchewan Section in Region 7.
  - d. VT-06 of the Montreal Section in Region 7.
  - e. COMP-16 of the Spain Section in Region 8.
  - f. PE-31 of the Rio de Janeiro Section in Region 9.
- Approved a Motion that the Past Section Chairman's pin and tie clasp be reinstated and made available for purchase to all past Section Chairmen at cost.
- To assure that conference financial reporting to IEEE Headquarters is in compliance with IEEE Policy, approved a Motion to recommend to the Conference Board that:
  - a. Conference Chairmen and Treasurers receive specific instructions as to their fiduciary and financial reporting responsibilities by return-receipt mail well in advance of the date, and
  - b. Conferences which do not comply with IEEE Policy Statements governing financial reporting to IEEE Headquarters be denied future IEEE services, including insurance, publicity and mailing lists, use of the IEEE name and logo, and the accompanying tax-exempt status.

This recommendation will be forwarded to the Conference Board for consideration.

- Requested the RAB Major Regional Conventions Committee to revise IEEE Policy Statement 10.9.L to provide for an IEEE membership discount on conference fees. This membership discount to be immediately applicable to an individual signing up as an IEEE member at the conference. Upon submission of the revisions to RAB, this item will be reconsidered for recommendation to the Board of Directors for adoption.
- Approved a Motion allowing Region 9 to establish four Information Centers, rather than the previously prescribed two, in locations to be determined by the Region 9 Director.
- Approved the following Motions regarding "IEEE Potentials:"
  - a. Increasing the size of the Editorial Board by four members, one from each Regions 7, 8, 9 and 10, on a corresponding basis.
  - b. A study by the RAB Finance Committee on the financial impact of distributing "IEEE Potentials" to Regions 7, 8, 9 and 10 students on an ongoing basis.
  - c. An experiment whereby "IEEE Potentials" will be bulk shipped to designated areas in Regions 8, 9, and 10 for distribution to Students by the Regions.
- Discussed a Resolution from the Israel Section concerning the Popov Society, noted its concerns, and approved a Motion requesting the Board of Directors to explore within previously approved recommendations the continuation of relations with the Popov Society.
- Reaffirmed, in the event there is a delegation of authority for awards by the Awards Board, that the Regional Activities Board is the approving body of scholarship proposals from geographical units.
- Approved a Motion to recommend to the IEEE Executive Committee that a ~~proposed New Brunswick Section Scholarship Fund be adopted.~~
- To preserve continuity and the benefits derived from having experienced members on the IEEE Admission and Advancement Committee, approved a Motion to recommend to the Board of Directors that proposed revisions to IEEE Bylaw 313.1 be adopted which will allow members of the IEEE Admission and Advancement Committee to serve beyond the three year limit specified for service on Boards and Standing Committees.
- Approved the reinstatement of the Chapters Formations Opportunities Project, to be conducted every two years, whereby each Section is notified of the possible Society Chapters that can be formed in their Section based on membership statistics.

- Approved a Motion to recommend to the Board of Directors that 10% of the basic budgeted IEEE dues be allocated for Section Rebates with the provision that the Regional Activities Board be responsible for establishing the distribution system. The issue of Section Rebates will be considered during the December, 1984 meetings.
- Approved a recommendation that tutorials held before and after technical conferences be emphasized. This item will be pursued with the IEEE Conference Activities Department.
- Approved a Motion to recommend to the Board of Directors adoption of the Minimum Goal Version of the 1985 Field Services Budget with a zero deficit, ~~zero dues increase.~~ Further the Vice President of Regional Activities was requested to seek funding for additional projects.
- Approved a Motion to recommend to the Board of Directors that the current IEEE entrance fee of \$15.00 for each applicant for admission to membership of the Institute not be abolished. This action was taken in light of the fact that (1) approximately 30% of new applicants seek direct admission to higher grade and the entrance fee does not seem to be a specific deterrent to this particular group of applicants, (2) there is a provision in IEEE Bylaws that the Board of Directors, under special circumstances, may waive the entrance fee, and (3) the abolition of the entrance fee would result in a loss in IEEE revenues of approximately \$150,000. Consideration of abolishing the entrance fee was tabled by the Board of Directors during its August 12-14 meeting.
- Approved a Motion to recommend to the Board of Directors that proposed revisions to IEEE Bylaw 104.9, which incorporates reference to new Policy Statement 6.15 regarding use of the IEEE logo and "IEEE," be adopted. The Board of Directors approved this Bylaw revision during its August 12-14 meeting.
- Received reports from the Vice President of Regional Activities, Regions 1-10 Directors, RAB Secretary, Chairmen of RAB Standing Committees and Ad Hoc Committees and RAB Liaison Representatives.

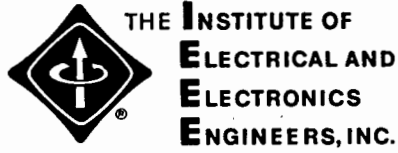
PREPARED BY: Laura S. Jobmann, Administrator-Field Services  
RAB SECRETARY: Don Suppers, Staff Director-Field Services

The INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, Inc.  
445 Hoes Lane • Piscataway, N.J. 08854

Non Profit Org.  
U.S. Postage  
PAID  
IEEE  
Permit #52

5940077 M  
DONALD C MALOCHA  
409 BAY TREE LN  
LONGWOOD

431 \*\*\*\*  
INN 1  
FL 32750



PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

October 2, 1984

To: Carl Schunemann

I am requesting reimbursement for the following mailing charges of the Executive Committee minutes:

August:	27 stamps @ \$.20	\$ 5.40
September:	28 stamps @ \$.20	\$ 5.60
	TOTAL	\$11.00

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section



THE INSTITUTE OF  
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ELECTRONICS  
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PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

September 16, 1984

To: Gloria Gutwein, Supervisor Field Services

Please record the attached Executive Committee Roster for the  
1984-1985 year for the IEEE Orlando Section (03551).

Respectfully,

A handwritten signature in cursive script, reading "Don Malocha".

Donald C. Malocha  
Secretary  
IEEE Orlando Section

cc: Frank Fluett, Section Chairman

Orlando IEEE Executive Committee Roster.

(9/84)

Steve McKenna  
UCF-COE  
Orlando, Fl. 32816

Student Chapter President  
Bus: 275-2786

Mannie Connell  
5136 Nadine St.  
Orlando, Fl. 32807

Sr. Past Chairman  
Bus: 784-7000  
Hm: 273-8588

Geoff Dick  
1014 Carvell Dr.  
Winter Park Fl. 32792

Chapters Chairman  
Bus: 356-2796  
Hm: 678-0979

Ed Ellis  
902 Red Bird Lane  
Altamonte Springs, Fl. 32701

Jr. Past Chairman  
Bus: 339-1600  
Hm: 834-3319

David Flinchbaugh  
4855 Big Oaks Lane  
Orlando, Fl. 32806

AESS Chapter Chairman  
Bus: 268-7252  
Hm: 859-4855

Frank Fluet  
Automation Intelligence Inc.  
1200 W. Colonial Dr.  
Orlando, Fl. 32804

Section Chairman  
Bus: 843-7030  
Hm: 339-8905

Stephen Forsythe  
1429 Stormway Ct.  
Apopka, Fl. 32703

Comp. Chapter Chairman  
Bus: 849-3000  
Home: 886-2231

John D. Gilbert  
2205 Miscindy Place  
Orlando, Fl. 32806

PACE Chairman  
Bus: 365-2363  
Hm: 859-5492

Avelino Gonzalez  
Westinghouse Electric Co.  
The Quadrangle  
Orlando, Fl. 32817

PE/IE Vice-Chair.  
Bus: 281-2982  
Hm: 365-6812

Michael Haddad  
Westinghouse Steam Generator Div.  
4402 Carolwood St.  
Orlando, Fl. 32806

PE/IE Chairman

Hm: 851-3719

Dr. Richard Harden  
5512 Chanault Ave.  
Orlando, Fl. 32809

FES Liason  
Bus: 275-2786

Dr. Deen Khandelwal  
8610 Vesta Terrace  
Orlando, Fl. 32817

Cenntenial Chairman

Bus: 356-2583

Hm: 277-5959

Dr. Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779

Section Secretary & Student

Act. Char. & ED Vice-Chair.

Bus: 275-2414

Hm: 862-5693

Dr. Bruce E. Mathews  
UCF-COE  
PO BOX 25000  
Orlando, Fl. 32816

Southcon

Bus: 275-2156

Hm: 645-0549

George F. McClure  
1730 Shiloh Lane  
Winter Park, Fl. 32789

Public Relations & By-Laws

Bus: 356-3782

Hm: 647-5092

Ralph M. Mindock  
262 E. Hornbeam Dr.  
Longwood, Fl. 32779

ED-Chairman

Bus: 862-8182

Hm: 862-7764

Mike Olyer  
6221 Donegal Dr.  
Orlando, Fl. 32811

Comm. Chapter Secretary

Bus: 849-3336

Hm: 876-3582

Dr. Ben Patz  
695 Gatlin Ave.  
Orlando, Fl. 32806

Awards

Bus: 275-2816

Hm: 855-3685

Carl F. Schunemann  
2111 Geronimo Trail  
Maitland, Fl. 32751

Section Treasurer  
Bus: 356-7207  
Hm: 647-4992

Fred O. Simons, Jr.  
1688 Cypress Point Lane  
Winter Park, Fl. 32792

Education  
Bus: 275-2405  
Hm: 678-1796

George B. Taack, Jr.  
4 Robinwood Drive  
Longwood, Fl. 32779-9743

Section V-Chairman & Programs  
Bus: 339-1600  
Hm: 321-0319

Russell E. Theisen  
2667 Fitzhugh Road  
Winter Park, Fl. 32792

Historian  
Bus: 356-2346  
Hm: 671-4320

Fred P. Wilcox  
Martin Marietta Corp.  
3218 Cullen Lake Shore Dr.  
Orlando, Fl. 32812

AP/MTT Chairman  
Bus: 356-2328  
Hm: 857-0098

Richard L. Zanowick  
511 Temple Tr.  
Maitland, Fl. 32751

ED V-Chairman  
Bus: 356-2914  
Hm: 645-0831

Conrad Blankenzee  
8998 Critchton Woods  
Orlando, Fl. 32819

V-Chairman Program Comm.  
Bus: 351-9485  
Hm: 826-3577

Alex Marton  
2705 Faulkner Rd.  
Orlando, Fl. 32810

Publications  
Bus: 629-5591  
Hm:

Woody Carter  
2455 Fieldingwood Rd.  
Maitland, Fl. 32751

Membership Development  
Bus: 845-7030  
Hm: 836-4591

Ron Krauskopf  
UCF- Comp. Sci Dept.  
Orlando, Fl. 32816

Student Comp. Chap.

Mike Harris  
UCF-COE  
PO BOX 25000  
Orlando, Fl. 32816

V-Chairman Comm. Chap.  
Bus: 275-2548  
Hm: 671-1849



THE INSTITUTE OF  
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ELECTRONICS  
ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

September 16, 1984

To: Gloria Gutwein, Supervisor Field Services

Please record the attached Executive Committee Roster for the  
1984-1985 year for the IEEE Orlando Section (03551).

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section

cc: Frank Fluet, Section Chairman



**IEEE**

**SERVICE CENTER**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
445 HOES LANE, PISCATAWAY, N.J. 08854, U.S.A. TELEPHONE (201) 981-0060

August, 1984

SECTION: Orlando

NAME: Donald C. Malocha, Secretary

We are updating our records for the October Supplement of the 1984 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, especially for those Sections whose officers have completed their term of office. No 1984 Second Half Rebate will be released in September until the Section has reported its' current Roster of Officers with a termination date.

If you can provide us with updates, corrections or changes soon, it would be very much appreciated. Any changes or updates arriving after the printing of the 1984 October Supplement of the Organization Roster will be recorded in the March 1985 Organization Roster. Please include member number whenever possible.

Cordially,

*Gloria Gutwein*  
Gloria Gutwein,  
Supervisor  
Field Services

cc: Regional Director



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

### FLORIDA COUNCIL MEETING NOTICE

Saturday, 10:00 AM, 8 September 1984

Sheraton Orlando International Airport Inn  
Orlando, Florida

#### AGENDA

1. Call to order and introductions George McClure
2. Approval and modification of agenda
3. Approval of minutes of previous meeting
4. Treasurer's Report Russ Theisen
5. Committee Reports:
  - Awards Richard Beatie
  - PACE Art Greene
  - Bylaws Karl Lohman
6. Vice Chairman's Report Debbie Murphy
7. Conference Reports:
  - SOUTHCON/85 Vernon Powers
  - Instrumentation & Measurement '85 Joe King
  - ICASSP '85 Joe King
  - Phoenix PACE Conference George McClure
8. FCES Liaison Dave Flinchbaugh
9. Section Activities Reports Section Representatives\*
10. Old Business
11. New Business
  - Appointment of Nominations Committee
12. Time and place of next meeting; adjourn

\*Section representatives will bring written reports of section activities (meetings, program topics, speakers, awards program, PACE, public relations, education activities) to include in the minutes, and copies of meeting reports (yellow sheets) for use in the program clearinghouse function.

Note: Sections are reminded that changes in officers must be reported to the IEEE Service Center, Attn: Gloria Gutwein, by August 15, to be included in the published semi-annual update of the IEEE Organization Roster. Send a copy of such changes to FCIEEE Mailing List, 1730 Shiloh Lane, Winter Park, FL 32789-5847.

## FLORIDA COUNCIL MEETING NOTES

Starting time for this quarterly meeting has been set at 10:00 AM to allow driving time and to fit morning flight schedules. For planning purposes, the meeting should adjourn by 3:00 PM. Lunch is included.

Those arriving Friday night may book a room at the Sheraton at the special meeting rate, when mentioning IEEE. Telephone (305) 859-2711. Single \$40; double \$45.

Travel and lodging expenses incurred in attending this meeting will be reimbursed by the Florida Council.

The number of members in the Florida Council area has increased by 8.5 percent this year, to 7077, as of June 30, 1984. The number of members in arrears has increased 30 percent over last year, to 723.

### Note to Section Chairmen:

We hope that your section will be represented at this meeting. If you are unable to send a representative, please send a letter designating the chairman of the Florida Council as your proxy for this meeting to assure a quorum and to permit necessary business to be conducted. Mail the letter in advance of the meeting date to:

George McClure, Chairman FCIEEE  
1730 Shiloh Lane  
Winter Park, FL 32789-5847

IEEE Bylaws specify that only Fellow, Senior Member and Member grade holders may serve in the Section offices listed on this form.

## SECTION OFFICERS

Please use this form to report only the 5 Section Officers listed. Chapter Officers and Committee Chairmen must be reported on forms designated L4, L7 or L8, available from Field Services.

TO: **IEEE FIELD SERVICES**  
**445 Hoës Lane**  
**Piscataway, NJ 08854**

## IMPORTANT INSTRUCTIONS

1. Please indicate Section's name in area provided.
2. Give the month and year the term of office starts.
3. Indicate the Section geocode, i.e., the two digit numbers representing the Region, Council, Section and Sub-Section.
4. Type or print each officers' full first name, middle initial, and last name.
5. Telephone numbers when provided will become a part of the member's record and will appear in the Organization Roster and Membership Directory.
6. Membership numbers are required and no report can be processed without all member numbers.
7. A copy of this form will be returned to the individual submitting it as a confirmation of receipt of the report.

PRINTED AREAS FOR FIELD SERVICE USE

Section Name: ORLANDO

Term Starts: Month 07 Year 84  
GEOCODE: Region 03 Council 015 Section 51 Sub-Section 10

Chairman's Name: FRANK A. Filuet

member number 2161330811M

Check here if individual maintains his/her IEEE mailing address outside the territorial limits of the section: ☐

Vice Chairman's Name: George B. TAACK JR

member number 40853179M

Check here if individual maintains his/her IEEE mailing address outside the territorial limits of the section: ☐

Secretary's Name: DONALD C. MALOCHA

member number 519401017M

Check here if individual maintains his/her IEEE mailing address outside the territorial limits of the section: ☐

Treasurer's Name: CARL F. SCHUMMANN

member number 013544107M

Check here if individual maintains his/her IEEE mailing address outside the territorial limits of the section: ☐

Secretary/Treasurer's Name:

member number

Check here if individual maintains his/her IEEE mailing address outside the territorial limits of the section: ☐

Your name and address as written below will be used to mail the confirmation of receipt.

George B. TAACK JR  
4 Robinwood Drive  
Longwood, Florida  
32759-9743

George B. Taack Jr 6-26-84  
Signature Date  
Secretary  
Office Held  
KIE  
Field Service



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

July 14, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, August 6, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

Donald C. Malocha  
Secretary  
IEEE Orlando Section

IEEE Executive Committee Meeting  
Orlando Section

Date: June 4, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	Frank Fluet	George Medina
	Mickey Mindock	Ed Ellis
	George Taack	Carl Schunemann
	Norm Lawton	Brian Vancata
	Bill Davis	Enrico Iacobi
	G. K. Huddleston	George McClure
	Chris Christodoulou	Geoff Dick
	John Gilbert	

MINUTES:

1. Meeting called to order by Frank Fluet, Chairman, at 5:45 pm. The necessary quorum was present. Introductions of Brian Vancata, Eaton, Corp., Bill Davis, Student Chapter Chairman and Enrico Iacobi, Student V.Chairman,UCF.
2. The May minutes were reviewed by attendees. Schuenemann requested following addition " unanimous election of officers for Executive Board for 1985/1986 fiscal year." Seconded and carried. This should have also appeared in June Notes.

1985/1986 Executive Officers

Chairman: George Taack  
Vice-Chairman: Donald Malocha  
Secretary: Geoffery Dick  
Treasurer: Carl Schunemann

3. Treasurer's Report - Carl Schunemann:

Treasurer's report dated June 4, 1985 is attached and was accepted.

4. Chairman's Report - Geoffrey Dick:

Geoff thanks all members for their support this year.

5. Programs - George Taack/Conrad Blankenzee:

Shuttle manager ( Dr. Jim Kelly ) for Installation Banquet speaker.

6. Public Relations - George McClure:

Larry Hall has moved to Ft. Worth, therefore George is looking for a V-Chr. for Public Relations.  
See attached report.

J. Gilbert discussed establishing a "phone contact" service to announe upcoming meetings. G. McClure discussed "Announcement Tape" using a phone answering service.

7. Publications - Alex Marton:  
Must get all notices to Alex by 15<sup>th</sup> of month for section notes.

8. Advertising - John Gilbert:

One \$200 invoice is outstanding. In May we had 4 accounts and for August we have only HP.

**\*\* NOTE \*\*** Personnal ads of a professional nature are free to all memembers. This includes sale of equipment, software, etc.

9. Awards - Ben Patz: Absent.

10. Florida Engineering Society Liason - R.C. Harden: Absent.

11. PACE - John Gilbert:

John asked if there was any known evidence of Corporate discrimination in the recent Plessey (Stromberg-Carlson) lay-off. None was obvious to those in attendance.

12. Education - Fred Simons: Absent

Fluet for Simons: Fred will present possible options list for IBM PC based tutorial. He will mail for Exec. Comm. review in August.

13. Student Activities - Chris Christodoulou/Don Malocha:

Chris introduce new student Exec Comm.

IEEE Student Branch Executive Committee

Chairman: William Davis

Vice-Chairman: Enrico Iacobi

Secretary: Kathy Woodcock

Treasurer: Brian Walsh

14. Membership Development - Woody Carter:

Report attached.

15. By-Laws - George McClure: No report

16. Historian- Russ Theisen: Absent

17. Conference Committee: Frank Fluet

G. McClure has invited Vehicular Technology to Orlando for 1989/90.

CHAPTER REPORTS

18. AEES - Dave Flinchbaugh: Absent

19. Communication - Madjid Belkerdid: Absent

**20. Computer Society - Steve Forsythe:**

Jorge Medina: Officers for 1985/1986 Computer Society  
Chairman: Jorge Medina  
Vice-Chairman: Steve Forsythe

**21. Electron Device Society - Ralph M. Mindock: No report.**

**22. MTT/AP - Fred Wilcox:**

1985/1986 MTT Officers  
Keith Huddleston, Chairman  
Joe Kiss, Vice-Chairman  
Bob Smallwood, Secretary

**23. PES/IAS - Mike Haddad: No report**

**24. Student Branch IEEE - Steve McKenna:**

See attached report.

**25. Student Chapter, Computer Society- Ron Krauskopf: No Report.**

**26. Unfinished Business:**

Geoff Dick: re: Advertising in Section Notes. A straw vote showed almost all in favor of using Section Notes for paid advertising for job openings.

**27. New Business:**

a. Enrico Iacobi: UCF student branch would like to use the bulk rate permit for IEEE student mailings. Ellis made motion to pass.

Ammendment 1 by Frank Fluett: must be "IEEE Sanctioned Activity".

Ammendment 2 by Fluett: must add all Section Executive Committee members to mailing list.

Ammendment 3 by G. Taack: add "Must be approved by Student Branch advisor prior to mailing."

Ammendments and motion passed.

b. G. McClure raised for consideration possibility of making a joint chapter of Vehicular Technology and Communications Society.

**28. Meeting adjourned at 8:13 pm.**

**29. Time/Place of next meeting:**

Aug. 6, Tue., 5:30 pm.

Automation Intelligence (AI)

1200 W. Colonial Drive

( west of I-4 on Colonial Drive )

disk:ieee  
file:ieeexcl6

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JUNE 4, 1985

CHECKING ACCOUNT BALANCE, MAY 7, 1985 TREASURER'S REPORT \$1,604.27

DEPOSITS: NONE

DISBURSEMENTS:

#1200 W.C. CARTER \$22.00  
MEMBERSHIP DEVELOPMENT  
POSTAGE STAMPS

#1201 FRED P. WILCOX 13.00  
DINNER FOR NTT/AP SPEAKER,  
4-10-85 MEETING

#1202 FRANK FLUET 3.80  
EXECUTIVE COMMITTEE MEETING  
REFRESHMENTS, 5-7-85

#1203 POSTMASTER, ATTN. BULK MAIL 60.00  
ACCEPTANCE UNIT, DEPOSIT TO  
ACCOUNT OF PERMIT #3492

#1204 JOHN GILBERT 14.01  
DINNER FOR 4-26-85 SECTION  
MEETING SPEAKER, \$9.61;  
POSTAGE FOR ADVERTISING INDICES  
AND "PAGE", \$4.40

#1205 D. C. MALOCHA 11.98  
SECRETARY'S APRIL AND MAY MAILINGS,  
2 x 27 x 22¢ = \$11.98

#1206 ALTAMONTE DATA PROCESSING, INC. 134.56  
NEWSLETTER ADDRESSING, DESIGN &  
SOLUTION, PER STATEMENT 372 OF S.W.  
(COMMINT W/PAID INVOICE)

#1207 POSTMASTER, ATTN. BULK MAIL 60.00  
ACCEPTANCE UNIT, DEPOSIT TO  
ACCOUNT OF PERMIT #3452  
(PAID 6-3-85 TO REPLACE CK. #1203  
NOT CREDITED TO ACCOUNT.)

#1208 PICKETT PRINTING CO., MAY 565.41  
SECTION INTER PRINTING

ALL DISBURSEMENTS \$884.94

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JUNE 4, 1985 - CONTINUED

PAGE 2

ADDITIONAL RECEIPTS,  
FROM JOHN GILBERT, 6-4-85:

HEWLETT PACKARD, \$100.00  
APRIL NEWSLETTER ADD

HEWLETT PACKARD, \$100.00  
MAY NEWSLETTER ADD

ABE PRESSMAN, SWITCHTRONICS \$100.00  
APRIL NEWSLETTER ADD

TOTAL RECEIPTS: \$300.00

SUMMARY:

CHECKING ACCOUNT BALANCE \$1,604.27  
MAY 7, 1985 TREASURER'S REPORT

LESS DISBURSEMENTS \$884.94

CHECKING ACCOUNT BALANCE, 6-4-85 \$719.33

PLUS RECEIPTS OF 6-4-85 300.00

SUBTOTAL \$1,019.33

PLUS DREYFUS FUND BALANCE  
OF 5-7-85 2,584.57

TOTAL FUNDS \$3,603.90

RESPECTFULLY SUBMITTED,

Carl F. Schunemann

CARL F. SCHUNEMANN

TREASURER



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

STUDENT BRANCH CORRESPONDENCE

PLEASE REPLY TO:

University of Central Florida  
Department of Electrical Engineering  
and Communication Sciences  
P. O. Box 25000  
Orlando, Florida 32816

May 5, 1985

Executive Committee  
Orlando Section  
Institute of Electrical and  
Electronics Engineers  
Orlando, Florida

Gentlemen:

I would like to again thank you for your support of our 1984-85 Student Project. Your generous financial contributions helped make our 4 Gigahertz Satellite TVRO Receiver Project a success.

Enclosed is a copy of the final report for your review. It is our hope to publish this report in the IEEE Transactions on Education.

Again, thank you.

Sincerely,

*Armando Juan Vigil*  
Armando Juan Vigil  
Student Project Manager

AJV/tla

IEEE ORLANDO SECTION  
PUBLIC RELATIONS REPORT  
4 June 1985

6-4-85

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PLEASE REPLY TO:

Donald C. Malocha  
409 Bay Tree Lane  
Longwood, Fl. 32779  
Off: (305) 275-2786  
Hm: (305) 862-5693

July 14, 1985

To: EXECUTIVE COMMITTEE

The next Executive Committee meeting will be:

Tuesday, August 6, 1985

5:30 PM

at

Automation Intelligence  
1200 W. Colonial Drive  
Orlando, Fl. 32804  
843-7030

Respectfully,

*Donald C. Malocha*

Donald C. Malocha  
Secretary  
IEEE Orlando Section

IEEE Executive Committee Meeting  
Orlando Section

Date: June 4, 1985

Location: Automation Intelligence, 1200 W. Colonial Dr., Orlando.

Attendees:	Frank Fluet	George Medina
	Mickey Mindock	Ed Ellis
	George Taack	Carl Schunemann
	Norm Lawton	Brian Vancata
	Bill Davis	Enrico Iacobi
	G. K. Huddleston	George McClure
	Chris Christodoulou	Geoff Dick
	John Gilbert	

**MINUTES:**

1. Meeting called to order by Frank Fluet, Chairman, at 5:45 pm. The necessary quorum was present. Introductions of Brian Vancata, Eaton, Corp., Bill Davis, Student Chapter Chairman and Enrico Iacobi, Student V.Chairman,UCF.
2. The May minutes were reviewed by attendees. Schuenemann requested following addition " unanimous election of officers for Executive Board for 1985/1986 fiscal year." Seconded and carried. This should have also appeared in June Notes.

1985/1986 Executive Officers

Chairman: George Taack  
Vice-Chairman: Donald Malocha  
Secretary: Geoffery Dick  
Treasurer: Carl Schunemann

3. Treasurer's Report - Carl Schunemann:

Treasurer's report dated June 4, 1985 is attached and was accepted.

4. Chairman's Report - Geoffrey Dick:

Geoff thanks all members for their support this year.

5. Programs - George Taack/Conrad Blankenzee:

Shuttle manager ( Dr. Jim Kelly ) for Installation Banquet speaker.

6. Public Relations - George McClure:

Larry Hall has moved to Ft. Worth, therefore George is looking for a V-Chr. for Public Relations.  
See attached report.

J. Gilbert discussed establishing a "phone contact" service to announe upcoming meetings. G. McClure discussed "Announcement Tape" using a phone answering service.

7. Publications - Alex Marton:

Must get all notices to Alex by 15<sup>th</sup> of month for section notes.

8. Advertising - John Gilbert:

One \$200 invoice is outstanding. In May we had 4 accounts and for August we have only HP.

**\*\* NOTE \*\*** Personnal ads of a professional nature are free to all memembers. This includes sale of equipment, software, etc.

9. Awards - Ben Patz: Absent.

10. Florida Engineering Society Liason - R.C. Harden: Absent.

11. PACE - John Gilbert:

John asked if their was any known evidence of Corporate discrimination in the recent Plessey (Stromberg-Carlson) lay-off. None was obvious to those in attendance.

12. Education - Fred Simons: Absent

Fluet for Simons: Fred will present possible options list for IBM PC based tutorial. He will mail for Exec. Comm. review in August.

13. Student Activities - Chris Christodoulou/Don Malocha:

Chris introduce new student Exec Comm.

IEEE Student Branch Executive Committee

Chairman: William Davis

Vice-Chairman: Enrico Iacobi

Secretary: Kathy Woodcock

Treasurer: Brian Walsh

14. Membership Development - Woody Carter:

Report attached.

15. By-Laws - George McClure: No report

16. Historian- Russ Theisen: Absent

17. Conference Committee: Frank Fluet

G. McClure has invited Vehicular Technology to Orlando for 1989/90.

CHAPTER REPORTS

18. AEES - Dave Flinchbaugh: Absent

19. Communication - Madjid Belkerdid: Absent

20. Computer Society - Steve Forsythe:

Jorge Medina: Officers for 1985/1986 Computer Society  
Chairman: Jorge Medina  
Vice-Chairman: Steve Forsythe

21. Electron Device Society - Ralph M. Mindock: No report.

22. MTT/AP - Fred Wilcox:

1985/1986 MTT Officers  
Keith Huddleston, Chairman  
Joe Kiss, Vice-Chairman  
Bob Smallwood, Secretary

23. PES/IAS - Mike Haddad: No report

24. Student Branch IEEE - Steve McKenna:

See attached report.

25. Student Chapter, Computer Society- Ron Krauskopf: No Report.

26. Unfinished Business:

Geoff Dick: re: Advertising in Section Notes. A straw vote showed almost all in favor of using Section Notes for paid advertising for job openings.

27. New Business:

a. Enrico Iacobi: UCF student branch would like to use the bulk rate permit for IEEE student mailings. Ellis made motion to pass.

Amendment 1 by Frank Fluett: must be "IEEE Sanctioned Activity".

Amendment 2 by Fluett: must add all Section Executive Committee members to mailing list.

Amendment 3 by G. Taack: add " Must be approved by Student Branch advisor prior to mailing."

Amendments and motion passed.

b. G. McClure raised for consideration possibility of making a joint chapter of Vehicular Technology and Communications Society.

28. Meeting adjourned at 8:13 pm.

29. Time/Place of next meeting:

Aug. 6, Tue., 5:30 pm.  
Automation Intelligence (AI)  
1200 W. Colonial Drive  
( west of I-4 on Colonial Drive )

disk:ieee  
file:ieeexcl6

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JUNE 4, 1985

CHECKING ACCOUNT BALANCE, #1,604.27  
MAY 7, 1985 TREASURER'S REPORT

DEPOSITS: NONE

DISBURSEMENTS:

#1200 W.C. CARTER #22.00  
MEMBERSHIP DEVELOPMENT  
POSTAGE STAMPS

#1201 FRED P. WILCOX 13.00  
DINNER FOR NTT/AP SPEAKER,  
4-10-85 MEETING

#1202 FRANK FLUET 3.80  
EXECUTIVE COMMITTEE MEETING  
REFRESHMENTS, 5-7-85

#1203 POSTMASTER, ATTN. BULK MAIL 60.00  
ACCEPTANCE UNIT, DEPOSIT TO  
ACCOUNT OF PERMIT #3492

#1204 JOHN GILBERT 14.01  
DINNER FOR 4-26-85 SECTION  
MEETING SPEAKER, \$9.61;  
POSTAGE FOR ADVERTISING INVOICES  
AND "PAGE", \$4.40.

#1205 D. C. MALOCHA 11.98  
SECRETARY'S APRIL AND MAY MAILINGS,  
2x27x22¢ = \$11.98

#1206 ALTAIR DATA PROCESSING, INC. 134.56  
NEWSLETTER ADDRESSING, DESIGN &  
SORTING, PERMIT #372, 0.055xN  
(CONTINUED UNPAID INVOICES)

#1207 POSTMASTER, ATTN. BULK MAIL 60.00  
ACCEPTANCE UNIT, DEPOSIT TO  
ACCOUNT OF PERMIT #3492  
(PAID 6-3-85 TO REPLACE CR. #1203  
NOT CREDITED TO ACCOUNT.)

#1208 PICKETT PRINTING CO., MAY 565.41  
SECTION NOTES PRINTING

TOTAL DISBURSEMENTS \$884.94

IEEE ORLANDO SECTION  
TREASURER'S REPORT  
JUNE 4, 1985 - CONTINUED

PAGE 2

ADDITIONAL RECEIPTS,  
FROM JOHN GILBERT, 6-4-85:

HEWLETT PACKARD, #100.00  
APRIL NEWSLETTER ADD

HEWLETT PACKARD, #100.00  
MAY NEWSLETTER ADD

ABE FRESSMAN, SWITCHTRONICS #100.00  
APRIL NEWSLETTER ADD

TOTAL RECEIPTS: \$300.00

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PLUS RECEIPTS OF 6-4-85 300.00

SUBTOTAL \$1,019.33

PLUS DREYFUS FUND BALANCE  
OF 5-7-85 2,584.57

TOTAL FUNDS \$3,603.90

RESPECTFULLY SUBMITTED,

Carl F. Schunemann  
CARL P. SCHUNEMANN  
TREASURER



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Sincerely,

A handwritten signature in dark ink, which appears to read 'A. J. Vigil'. The signature is fluid and cursive, with the first and last names being more prominent.

Armando Juan Vigil  
Student Project Manager

AJV/tla

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DEPOSITS: NONE

DISBURSEMENTS:

#1200 W.C. CARTER \$22.00  
MEMBERSHIP DEVELOPMENT  
POSTAGE STAMPS

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DINNER FOR MTT/AP SPEAKER,  
4-10-85 MEETING

#1202 FRANK FLUET 3.88  
EXECUTIVE COMMITTEE MEETING  
REFRESHMENTS, 5-7-85

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13.00

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4-10-85 MEETING

#1202 FRANK FLUET

3.98

EXECUTIVE COMMITTEE MEETING  
REFRESHMENTS, 5-7-85

#1203

POSTMASTER, ATTN. BULK MAIL  
ACCEPTANCE UNIT, DEPOSIT TO  
ACCOUNT OF PERMIT #3492

60.00

#1204

JOHN GILBERT

14.01

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#1205

D. C. MALOCHA,

11.98

SECRETARY'S APRIL AND MAY MAILINGS,  
 $2 \times 27 \times 22¢ = 11.98$

#1206

ALTAMONTE DATA PROCESSING INC.,  
NEWSLETTER ADDRESSING BASEING &  
SORTING, PER STATEMENT 372 OFS-S-W-  
(COVERING UNPAID INVOICES)

134.56

#1207

POSTMASTER, ATTN. BULK MAIL  
ACCEPTANCE UNIT, DEPOSIT TO  
ACCOUNT OF PERMIT #3492  
(PAID 6-3-85 TO REPLACE CK. #1203  
NOT CREDITED TO ACCOUNT.)

60.00

#1208

PICKETT PRINTING CO., MAY  
SECTION NOTES PRINTING

565.41

TOTAL DISBURSEMENTS

\$ 884.94

6-4-85

To: Geof Dick

From: G.K. Huddleston

Subject: New Officers for MTT/APS

The new officers for 1985-86 are:

Chairmen: Gene K. Huddleston

506 Lisa Lane

Maitland, FL 32751

339-0336

Martin Marietta Aerospace

P.O. Box 5837, MP 113

Orlando, FL 32855

356-7201

Vice Chairman: Matthew J. Kiss

7403 Wethersfield Dr.

Orlando, FL 32819

Martin Marietta

, MP 200

356 - ?

Secretary: Robert Smallwood

Hewlett-Packard Co.

6177 Lake Eleanor Dr.

Orlando, FL 32859

859-2900

*J. K. Huddleston*

## IEEE Meeting

6-4-85

Phone

	name	Bus	Home
1.	George TAACK ✓	(none)	✓
2.	WOODY CARTER ✓		
3.	Ed Ellis ✓	✓	✓
4.	JORGE MEDINA ✓	834-9600	281-1557
5.	G.K. Huddleston ✓	356-7201	339-0336
6.	FRANK FLUET ✓	✓	✓
7.	R.M. Mindock ✓	✓	✓
8.	NORM LAWTON ✓	646-5548	✓
9.	BRIAN VANCATA	857-6226	851-3982
10.	Carl F. Schunemann ✓	✓	✓
11.	William M Lewis ✓	356-4518	282-8745
12.	ENRICO IACOBI ✓		282-3764
13.	JOHN GILBERT ✓	365-2363	859-5492
14.	CHRISTOS CHRISTODOULOU ✓	281-5555	859-1670
15.	Geoffrey Dick ✓	356-7752	678-0929
16.	George F. McClure ✓	356-3782	647-5092

9 of 17 '0'  
FOR  
QUORUM

# IEEE ORLANDO EXECUTIVE COMMITTEE EXECUTIVE BOARD

- ☒ Chairman
- ☒ Vice Chairman
- ☒ Secretary
- ☒ Treasurer
- ☐ Chapters Chairman

	Business	Home
Frank Fluett	843-7030	339-2305
George Taack	244-1369	321-0319
Don Malocha	275-2414	862-5693
Carl Schunemann	356-7207	647-4992
Geoffrey Dick	356-2796	678-0979

## STANDING COMMITTEE CHAIRMEN

- ☐ Jr. Past Chairman
- ☐ Sr. Past Chairman
- ☐ Programs
- ☒ Public Relations Chairman
- ☒ Publications
- ☐ Awards
- ☐ Fla. Eng. Soc. Liaison
- ☒ Prof. Act. Comm.
- ☐ Student Act. Comm.
- ☒ Education
- ☒ Membership Develop.

T.E. (Ed) Ellis	244-1203	834-3319
Mannie Connell		273-8588
Conrad Blankenzee	351-9485	826-3577
George McClure	356-3782	647-5092
Alex Marton	629-5591	293-4642
William Kownacki	275-2318	365-5318
Ben Patz	275-2816	855-3685
Richard Harden	855-0881	855-5775
John Gilbert	365-2363	859-5492
Don Malocha	275-2414	862-5693
Fred O. Simons	275-2405	678-1796
Woody Carter	843-7030	831-4591

## SPECIAL COMMITTEES

- ☐ SOUTHCON
- ☐ Advertising Manager
- ☐ Historian
- ☐ Member at Large
- ☐ Centennial

Bruce E. Mathews	275-2156	645-0549
John Gilbert	365-2363	859-5492
Russell E. Theisen	356-4320	671-4139
William C. Cram		647-4123
Deen Khandelwal	356-2583	277-5959

## SOCIETY CHAPTER OFFICERS

- ☐ AES
- ☐ COMMSOC
- ☒ Computer *forge Medicine*
- ☒ Electron Dev.
- ☐ AP/MTT
- ☒ Power Engineering/  
Industry
- ☐ Applications
- ☐ Student Section
- ☐ Student Comp. Chap.

Chmn.	Dave Flinchbaugh	1-268-7252	859-4855
Chmn.	Madjid A. Belkerdid	275-2787	273-8527
V. Chmn.	Michael Harris	275-2787	671-1849
Secy.	Mike Oleyar	628-9884	876-3582
Chmn.	Steve Foreythe	244-1166	830-8853
Mbr. V. Chmn.	Jorge Medina	834-9600	277-8929
Chmn.	Ralph M. Mindock	862-8182	862-7764
Mbr. V. Chmn.	Donald C. Malocha	275-2414	862-5693
Prog. V. Chmn.	Dick Zanowick	356-2914	645-0831
Chmn.	Fred Wilcox	356-2328	857-0098
Chmn.	Michael V. Haddad	281-2393	851-3719
V. Chmn.	Avelino Gonzales	281-2982	365-6812
Secy.	Sally M. Merry		629-1901
Chmn.	Steve McKenna	275-2786	277-1396
Chmn.	Ron Krauskopf		677-4213
Treas.	Don Vincent		678-4603

The Executive Committee meets the first Tuesday of each month, except July, at AUTOMATION INTELLIGENCE, INC., 1200 W. COLONIAL DRIVE (corner of 441 and Colonial), at 5:30 p.m. All IEEE members are welcome to attend.

P = Proxy



1884-1984

A CENTURY OF ELECTRICAL PROGRESS

IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

(1)

IEEE ORLANDO SECTION  
EXECUTIVE COMMITTEE MEETING  
June 4, 1985

PLEASE REPLY TO:

AGENDA

1. Introductions & Review Agenda
2. Approval of previous minutes.
3. Treasurer's Report
4. Chapters Chairmen Representative
5. Chairman's Notes
6. Standing Committee Reports
  - a. Programs
  - b. Public Relations
  - c. Publications
  - d. Advertising
  - e. Awards
  - f. Florida Engineering Soc. Liaison
  - g. PACE
  - h. Student Activities
  - i. Education
  - j. Membership Development
7. Special Committees
  - ~~a. Elections Committee~~
  - ~~b. Survey Committee~~
  - c. By-Laws
  - d. Historian
  - e. SOUTHCON '86
  - f. Member-at Large
  - g. Conference Committee
8. Chapter Reports
  - a. Aerospace and Electronic Systems Society
  - b. Communications Society
  - c. Computer Society
  - d. Electron Devices Society
  - e. Antennas and Propagation/Microwave Theory and Techniques Society
  - f. Power Engineering/Industry Applications Society
  - g. Student Branch IEEE
  - h. Student Chapter, Computer Society
9. Unfinished Business *ada b. Dick*
10. New Business
11. Time/Place of Next Meeting
12. Adjourn

- Frank Fluet ✓
- Don Malocha *X Frank Fluet*
- Carl Schunemann ✓
- Geof Dick ✓
- Frank Fluet ✓
- ~~Conrad Blankenzee~~ *George Taach*
- George McClure ✓
- ~~Alex Marton~~
- John Gilbert ✓
- Ben Patz *X*
- Richard Harden *X*
- John Gilbert ✓
- Don Malocha/Chris Christodoulou
- Fred Simons *FAP*
- Woody Carter ✓
- ~~Ed Ellis~~
- ~~Conrad Blankenzee~~
- George McClure ✓
- ~~Russ Thiesen~~
- ~~Bruce Mathews~~
- Joe Massett *X*
- Frank Fluet ✓
- Dave Flinchbaugh *X*
- Madjid Belkerdid *X*
- ~~Steve Forsythe~~ *Jorge Medina*
- Ralph M. Mindock
- Fred Wilcox *Keith Huddleston*
- Michael Haddad *X*
- Steven D. McKenna *Bill Davis*
- Ron Krauskopf *Ennio IACOB*

*get names of potential office for Jorge Medina*

*get Carl Schun. data.*

Chairman's Notes

the advertising management of the Section  
Notes along with his PACS chairmanship.

1. On this, my final Executive Committee meeting as Chairman, I would like to express my thanks to all the Committee members for their help and support. On the whole, we have had an excellent year together. The Section and Chapter programs, in particular the Centennial activities, were very well done. Most of the general Section goals we set last August have been accomplished. To refresh your memory, they were:

1. Support/promote Centennial celebration of IEEE.
2. Support/sponsor local conferences.  
Recruit new Section officers.
4. Rejuvenate AP/MTT Chapter.
5. Increase student involvement.
6. Increase activity of COMM Chapter.
7. Survey members wants, locally.
8. Put together an information booklet on our Section (for distribution to local corporations, Chambers of Commerce, etc.).
9. Petition and submit request for new chapter in Section
10. Keep all local members well informed of IEEE activities and local issues (primarily by continuing the good job on Section Notes).

The one item we have not addressed is (#8), the publication of a Section Information Booklet. (The intent was to have a quick summary of our Section, its Chapters and membership information for distribution to existing and new businesses via bulletin boards, etc.). Perhaps this can be acted on next year.

I want, in particular, to commend Deen Khandelwal and Ed Ellis for their work on Centennial matters; Don Malocha for increasing student activities and for promoting a new Sonics and Ultrasonics Chapter; Alex Marton for his continuing excellent Section Notes; Conrad Blankenzee for the Section Survey; and Fred Wilcox and Carl Schunemann for their work on the AP/MTT Chapter.

2. Deadlines:

- a. The Section Financial report is past due (Feb) and if not received at Headquarters by the end of August, will jeopardize our rebate.
- b. Names of new Chapter officers are due at this June meeting. (However, present officers will serve until elections are complete).
- c. Outgoing Chapter Chairmen should be submitting proposed budgets for 85/86 fiscal year to the incoming Section Treasurer (Carl Schunemann) and the new Chapter Chairman.
- d. Outgoing Section Secretary (Don Malocha) should report names of elected Executive Committee officers to Headquarters as soon as possible so HQ can send them information packets for their new positions.

### 3. Meeting Report Notice:

To all Chapter Chairmen:

The Chapter can submit one (1) "administrative" or "social" meeting report per year, along with all technical meeting reports, for rebate (at \$25/meeting).

### 4. Another New Chapter:

Brian Vancata of EATON Corp. has expressed interest in starting a local Chapter of the Electromagnetic Compatibility (EMC-27) Society. If you can offer any support or are interested in joining the Society and/or signing his petition for a local Chapter, please call Brian at 857-6226 during working hours.

### 5. Student Section Notes:

I am told we are still having problems distributing the Section Notes to our student members. Don Malocha suggests we print an extra 50 copies for the Student Activities Chairman. This sounds like a good idea and saves postage costs.

### 6. Student Project Report:

I have a limited number of copies of the student's report on their TVRO Satellite Receiver project which we helped fund. Contact me if you would like a copy.

### 7. Canaveral Section Meeting:

Mr. Art Grunenfelder, Chairman of Canaveral Section has invited the Orlando Section to attend Canaveral's "Awards and Installation of Officers" banquet on June 28 at the Econo Lodge in Cocoa (at intersection of SR528 and US 1). Dinner is at 6:30 and speaker at 7:30.

The speakers will be Bob and Kathleen Duggan with slides of their 1983 trip to China. Those who missed this same presentation at our June banquet last year (which was very well received), might want to take advantage of this opportunity to see it. For reservations call Art Grunenfelder at (305) 867-3746.

8. A summary of the results of the Section Survey will be published in the June Section Notes. I have additional statistics for anyone interested. The following list consists of comments, in their entirety, as responses to questions 5, 6, 7 and 8. I hope the Program Chairmen will be able to benefit from this feedback.

#### Section Survey Responses Summary (Feb. '85)

### 5b. What one-day Technical Conference Topic would interest you?

1. Communication
3. General Updating

- 5. Insurance/standardized Retirement
- 6. Microelectronics
- 8. IRA Investments
- 9. Address questions related to rapid growth in this area.
- 12. Any technical topic on leading edge.
- 14. RADAR
- 15. Computers
- 17. OPTICS
- 18. GaAs Logic
- 20. Fiber Optics, RADAR, Spectral Analysis
- 25. Light and Power
- 26. Electronic or Computer Simulation
- 30. Orlando Area Technologies
- 31. Local Technologies
- 33. 32 bit computers and micros.

6. What other ways do you think the Section could be of most service to its members?

- 6-2 The Orlando Section serves very well.
- 6-5 Career development
- 6-8 Insure Society Officers hold good meetings
- 6-9 SPAC's
- 6-10 Programs by ED for other groups, by Computer for other groups, etc.
- 6-15 More Section Tech/Mgmt/Personnel meetings
- 6-16 Organize interesting plant tours given by Section members.
- 6-17 Obtain support of higher management in local companies
- 6-23 Discussion of papers on "Lightning Protection of Buildings in Fla."
- 6-25 Raise level of salaries.
- 6-26 Good communication and respect from the employer.
- 6-29 1200 baud bulletin board.
- 6-31 Avoid printing [EE shortage] articles. Schedule Irwin Feerst for a Section meeting.
- 6-32 Keep on Truckin'! Doing OK!
- 6-33 Free educational technical classes.

7d. Organizing a new Society Chapter:

- 7-9 Social implications of technology.

8. What public service activities would you suggest?

- 8-1 Public understanding of technology
- 8-3 Free consulting
- 8-8 Schools/clubs
- 8-11 Encourage Math & Science careers for children in Grade School. Tutor those that may be having problems (Grade School and High School).
- 8-17 Provide programs to Junior High Schools
- 8-21 Engineering awareness
- 8-24 See Feerst issues
- 8-25 Public health related
- 8-28 Engineering advice to public servants



THE INSTITUTE OF  
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ELECTRONICS  
ENGINEERS, INC.

5

MEETING NOTICE  
FLORIDA COUNCIL - IEEE  
Sheraton- Orlando Airport  
June 8, 1985 10:00 AM

AGAENDA: There is no planned business. This meeting is to be an  
OFFICER TRAINING WORKSHOP.

All Section Officers are invited and encouraged to attend this  
ONE DAY session with someone from National leading the  
session. A great opportunity especially for new officers to  
get to know IEEE functions and help in particular from  
National.

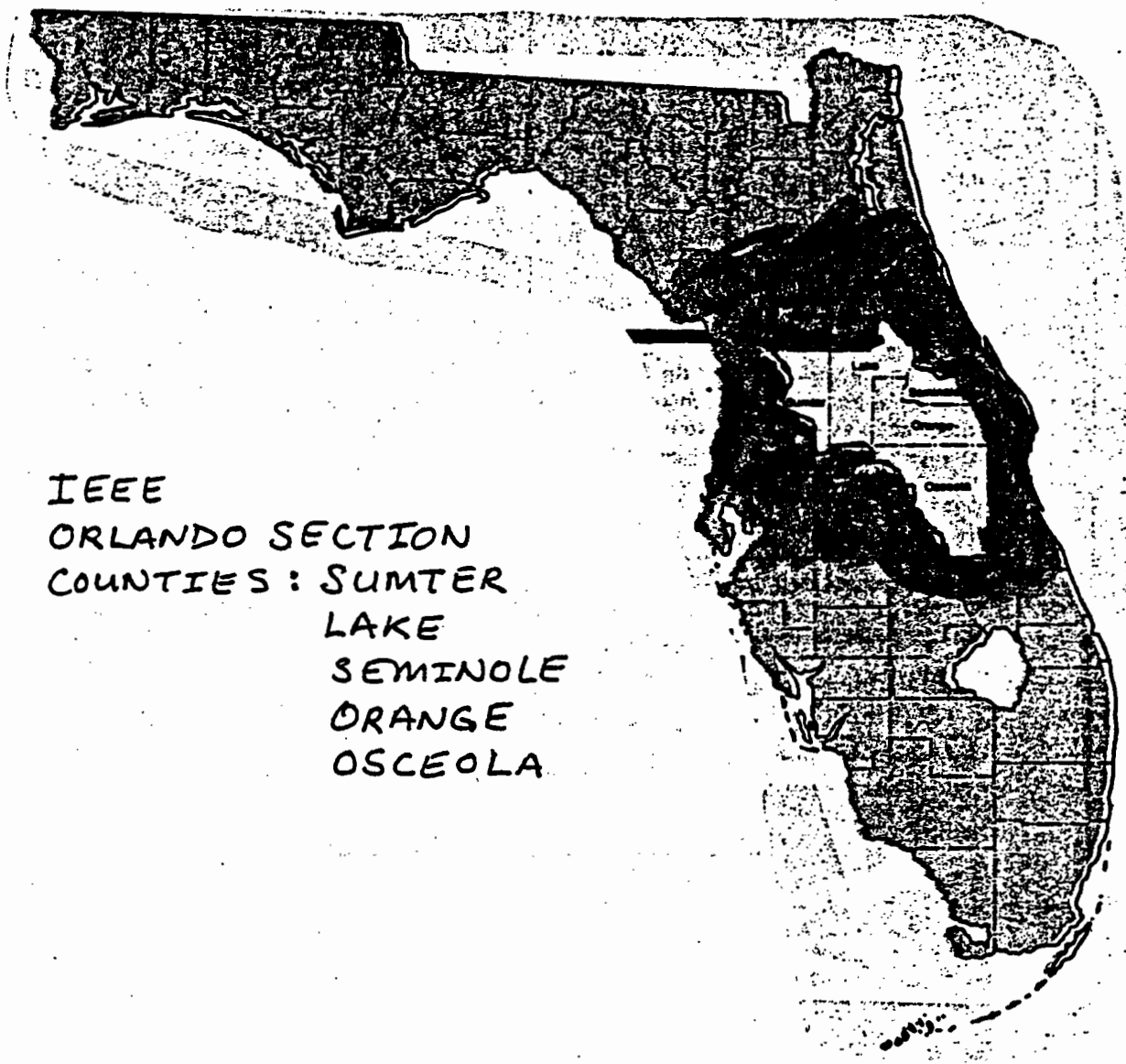
Council will pay:

- o Airfare or mileage
- o One nights lodging  
(special rates \$55 single, \$60 double)  
(make your own reservations - costs to be reimbursed)
- o Per diem - \$15/day
- o Council will pay for lunch.

Hotel

(Reservations must be made by 5/25/85)

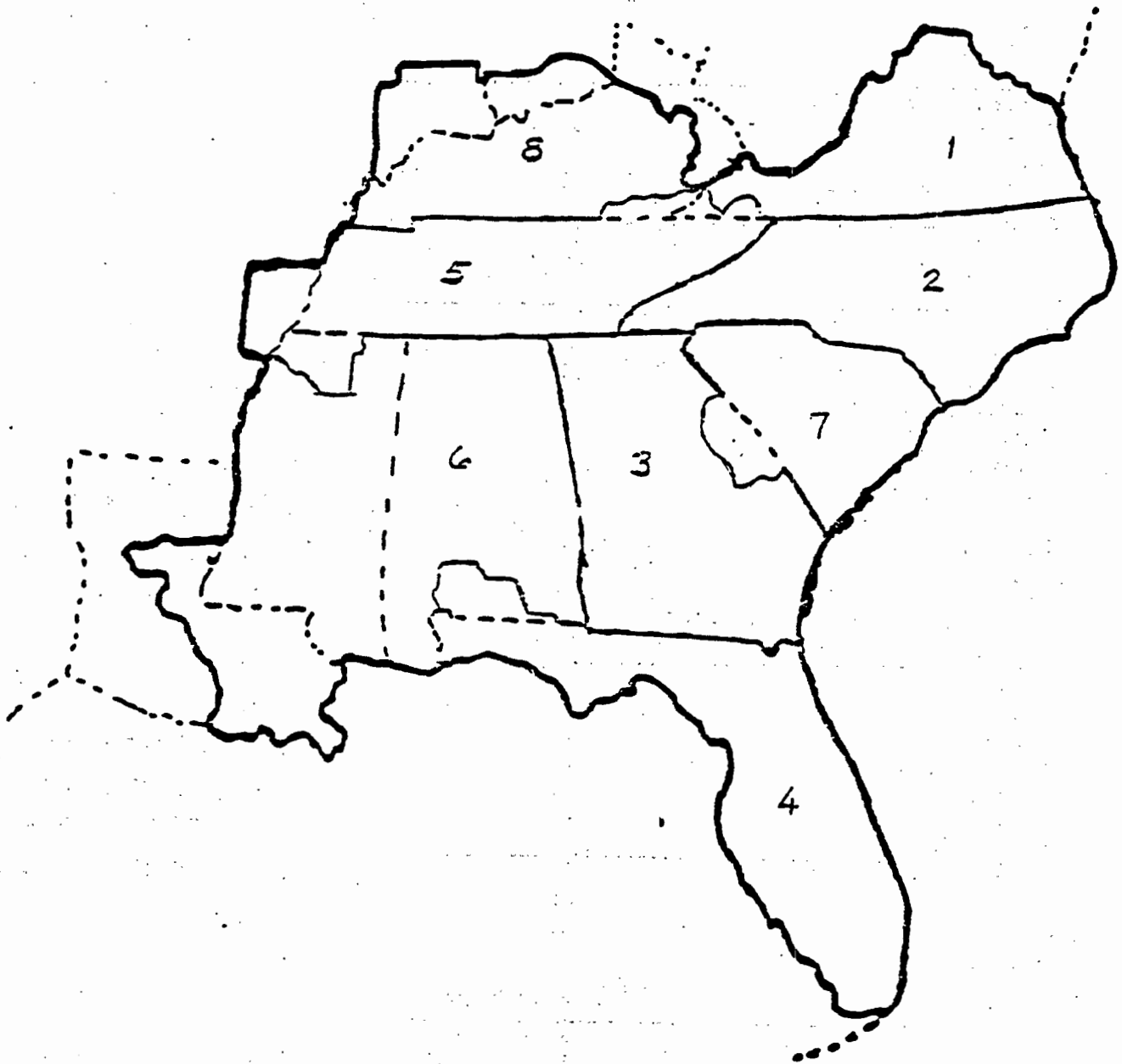
BRING YOUR SPOUSE - HAVE A GOOD TIME!



IEEE  
ORLANDO SECTION  
COUNTIES : SUMTER  
LAKE  
SEMINOLE  
ORANGE  
OSCEOLA



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.



IEEE REGION 3

8

IEEE REGION 3

Identification Codes

<u>Sections</u>	<u>Section</u>	<u>Area</u>
Central Virginia	09	1
Hampton Roads	23	1
Richmond	59	1
Virginia Mountain	65	1
Central North Carolina	67	2
Charlotte	69	2
Eastern North Carolina	71	2
Western North Carolina	73	2
Winston-Salem	75	2
Atlanta	03	3
Central Georgia	93	3
Savannah	61	3
Broward	89	4
Canaveral	07	4
Daytona	77	4
Florida West Coast	17	4
Fort Walton	19	4
Gainesville	21	4
Jacksonville	27	4
Miami	35	4
Orlando	51	4
Palm Beach	52	4
Pensacola	57	4
South Brevard - Indian River	95	4
Tallahassee Area	55	4
Chattanooga	11	5
East Tennessee	13	5
Memphis	33	5
Middle Tennessee	37	5
Nashville	43	5
Oak Ridge	49	5
Tri-Cities	91	5
Alabama	01	6
Baton Rouge	05	6
Huntsville	25	6
Mississippi	39	6
Mobile	41	6
New Orleans	45	6
Central Savannah River	81	7
Coastal South Carolina	83	7
Columbia	85	7
Piedmont	87	7
Evansville-Owensboro	15	8
Lexington	29	8
Louisville	31	8

13 Sections  
FL COUNCIL (5)  
03 05 51

(JAMAICA  
SECTION  
MAY JOIN US  
LATER THIS YEAR)

F. A. Fluet, Chairman  
Orlando Section, IEEE

PLEASE REPLY TO:  
1200 W. Colonial Drive  
Orlando, FL 32804-7194  
(305) 843-7030

May 18, 1985

MEMBERSHIP DEVELOPMENT COMMITTEE REPORT  
FOR MAY 1985

Letters of welcome were sent to the 'A' and 'E' categories below. Letters of concern were sent to the 'K' category below.

The total active membership is 969 as of 3-31-85, up from 888 last month but down from 1049 the month before that. This is due to the continuing effect of the dues arrears not yet paid up.

The following statistics are derived from the "Membership Changes and Additions" for the indicated month:

<u>CODE</u>	<u>REASON</u>	<u>4-30-85</u>
A	New Election to Membership	10
B	Reinstatement to Membership	0
C	Arrears Paid	12
E	Moving Into Section	14
H	Transfer In Member Grade	5
I	Moving Out Of Section	8
K	Went Into Dues Arrears	0
M	Deceased	0

  
W. C. Carter  
Membership Development Chairman

## MEMORANDUM

WESTINGHOUSE FORM 2478 K

TO

DON MALOCHA

7/8/85

LOCATION

DEPT.

NAME

DATE

SUBJECT

Section Minutes

Attached are the minutes of June 4 Ex. Comm. Mtg. If any questions please call (843-7030).

I also received another prod from Headquarters to report our newly elected Section officers. If you have not sent their names in yet, please send them when you get a chance.

Carl Schunemann asked for 2 extra copies of the minutes to use with Barnett & Dreyfus, to substantiate the new officer's name. (See red note on minute draft). Thanks Don,

Frank Felust

FROM

LOCATION

DEPT.

NAME

<sup>Section</sup> "The officers for July 1, 1985 through June 30, 1986 are:

Chairman: George Taack, Dr.

V. Chron: Don Malocha

Sec.: Geoffrey Dick

Treas: Carl Schunemann

June 4 IEEE

EXEC COMM MTG.

(1)

1. Meeting called to order at 5:45 pm by Frank Fluet, Chairman.

2. Introduced: Brian Vancata of Eaton Corp (who is trying to establish a Chapter of EMC).  
Enrique Iacobi V.P. Stud. Asst. UCF.  
Bill Davis

3. Review of Minutes (May Mtg.)

Carl Schunemann requested addition of "unanimous election of officers for Executive board for 1985/86 fiscal year."

Seconded / Carried, as modified  
(This should also have appeared in Section Notes for June!)

4. Review Treas. Rep. - Carl Schunemann:

Moved for acceptance by G. Taack.

Seconded, carried.

5. Chairman's Notes: Frank Fluet  
(See Chairman's Notes)

6. Chapter Chairman's Rep.: Geoff Dick

Thanked members for support over the year

7. Programs: George Taack

Speaker for June Banquet will be

Dr. Jim Kelly, Chairman Nass Shuttle Countdown Group

Don: Be sure to add the names of officers for 85/86 here. Carl needs to confirm to Bank & this for new signatures. Please send him 2 copies of minutes.

(2)

8. Advertising: John Gilbert

One \$200 ~~Dollar~~ invoice is outstanding.  
In May we had 4 accounts. <sup>Aug.</sup> for ~~June~~ only  
H.P..

"Help. Wanted" Classified Ads suggested by  
Georg Dick. (Deferred to item 19 below)

9. Public Relations: G. McClure +

(Larry Hull has moved to Ft. Worth with  
Magnavox so G. is looking for a V. Chair.  
of P.R. to take <sup>Larry's</sup> his place).

See report attached (by G. McClure)

\* New Orleans Pub. Lib. will have 6  
meeting rooms available <sup>in about 6 months</sup> for small groups,  
up to  $\approx 100$  people. ~~FF~~

- John Gilbert discussed establishing a  
~~the~~ "phone contact" list to split up among  
the Executive Comm. to remind members about  
meetings.

- George M.C. discussed phone answering  
machine w. "announcement" tape.

## 10. PACE - John Gilbert

John asked if there is any known evidence of corporate discrimination in the recent Plessey (Thornbury - Carlson) lay-off. ~~None~~ None was obvious according to following discussions.

## 11. Student Activities: Chris Christodoulou -

Introduced new Stud. Comm. & V. Comm.  
(see attached)

## 12. Education - Frank Fluet: (for Fred Simons)

Fred is preparing options list of possibilities for IBM PC based tutorial. He will mail it to me for review by Ex Comm. in August.

## 13. Membership Dev. - Woody Carter:

(see attached report)

## 14. By Laws - G. McClure (no report)

## 15. Conference Comm. - Frank Fluet:

G. McClure has invited Vehicular Technology to Orlando for 1989/90.

## 16. Computer Soc. Jorge Medina (for Steve Forsythe)

for next year: Jorge will be Comm.  
Steve " " V. Comm.

17. AP/MTT: Keith Huddleston / for Fred Wiley,  
Announcement of meeting at HP  
(See June Sec. Notes).

18. Student Branch - Bill Davis / Enrico Iacobi  
(See attached report)

19. Unfinished business:

a. Geof Dick re: Advertisers in  
Sec Notes. Straw vote showed almost  
all in favor of using section notes for  
paid advertising for job openings.

20. New Business:

a. Enrico Iacobi:

re. Bulk rate for mail at  
UCF wants to use Section Bulk rate  
for student meetings.

Ed Ellis moved to approve use of  
Section Bulk rate <sup>permit</sup> for student <sup>IEEE</sup> mailings.

Amended 1: by Frank Fluet to  
read "IEEE Sanctioned Activity"

Amended 2: by Frank Flueck to add all Section Executive Committee to mailing list.

Amended 3: by George Tack to add "Student Activities ~~ad~~ advisor must approve before mailing".

AMENDMENTS & MOTION  
PASSED.

21. G. McClure raised for consideration possibility of making a joint Chapter of Vehic. Tech. & Communication Societies.

21. Meeting in AUG. will be at A.I. at 5:30, AUG 6.

22. Meeting adjourned at 8:13 pm.

F. U. F.

6-4-85  
Ex. Comm.  
IEEE Student Branch.

Executive Committee

Chairman  
~~President~~: William N. Davis

Vice-Chairman: Enrico Iacobi (IACOBI)

Treasurer: Brian P. Walsh

Secretary: Kathy Woodcock

Student Advisors:

Chris Christodolou

Ronald C. Malocha

July 27, 1985

**FLORIDA  
ELECTRO-OPTICS INDUSTRY**

**PROGRAM TOPICS AND SPEAKERS**

**INTRODUCTION TO THE ELECTRO-OPTICS INDUSTRY**

Bill Schwartz, President  
Schwartz Electro-Optics, Inc.

**ELECTRO-OTICS RESEARCH IN FLORIDA**

Ron Phillips, Phd  
Associate Professor, UCF

**ELECTRO-OPTICS AND MICROELECTRONICS**

Ramu Ramaswami, Phd  
Associate Professor, Univ of Fla

**MILITARY E-O APPLICATIONS**

Dick Wrangler  
Schwartz Electro-Optics, Inc.

**MEDICAL E-O APPLICATIONS**

Dr Doug Dew, MD  
Orlando Regional Medical Center

**INDUSTRIAL E-O APPLICATIONS**

Burnahm Stokes, VP Engineering  
InstaRead Corporation (Rexnord)

**FINANCING THE EARLY STAGE E-O COMPANY**

Mary Helen Blakeslee  
South Tech Partners

**STARTING UP AN E-O COMPANY**

Tom Snyder, President  
Laser Photonics

**PROGRAM OBJECTIVE:**

To evaluate the current status of the Electro-Optics Industry in Florida and to assess the direction of both research and applications.

**WHO SHOULD ATTEND:**

Any individual interested in learning more about the status of Electro-Optics research and applications, including:

Researchers and Inventors

Engineers desiring a general overview of E-O technology

Entrepreneurs interested in starting an E-O company

Professionals from financial institutions, legal organizations, state and local organizations

Individuals interested in investing in E-O companies

**COST**

Cost for the program will be \$45 per person including luncheon (\$35 for High Tech Council, IEEE members). Registration must be postmarked no later than July 17, 1985 to be included for lunch. (Registration at the door will not include lunch). Also, requests for refunds must be made at least 7 days before the scheduled program.

**LOCATION**

SHERATON TWIN TOWERS HOTEL  
5780 Major Blvd  
Orlando, Florida 32805  
(305) 351-1000

Date and Time  
JULY 27, 1985

Registration..... 8:00 am  
Program..... 8:30 am  
Informal Lunch..... 12:45 pm  
Program ends..... 2:00 pm

Please register me for: THE ELECTRO-OPTICS INDUSTRY

Name: \_\_\_\_\_

Firm: \_\_\_\_\_ Telephone: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

I am enclosing \$ \_\_\_\_\_  
(\$45 per person, including lunch)  
(\$35 for High Tech Council, IEEE, ~~ABA and SME members~~)

Mail check and application to: Central Florida Council for High Technology  
P.O. Box 4100 Orlando, Florida 32802

# Review of a Self-Supported Extracurricular Student Satellite Receiver Design Project

A.J. VIGIL, STUDENT MEMBER, IEEE

**Abstract-** The UCF Student Branch of the IEEE recently undertook the design and construction of a satellite TVRO earth station as a student project. This ambitious extracurricular project is described in terms of its conception, management structure, design approaches and final results. Ideas for system enhancement as a future project and suggestions for effective management of large student projects are presented.

## I. INTRODUCTION

The University of Central Florida is a very young university; consequently, the UCF IEEE Student Branch was also young and very small. The student members at UCF felt the national attention given to the IEEE in its centennial year, 1984, and were inspired to expand their student branch membership, to increase its level of activity, and to make their branch well known among the University's 1100 electrical engineering students.

The UCF Engineering Fair is an annual showcase of engineering talent and technology. Promoted by students, this fair consists of exhibits, displays and contests prepared by students and industries. By far the largest and most exciting contest of the fair is the student project competition. Each engineering society, representing one of the disciplines of study offered by the engineering college, submits a group project into this competition. Once a project is chosen, students may spend months preparing it for display and demonstration at the fair, where it will be judged by a panel of deans and industrial experts.

The IEEE student chapter saw the engineering fair student project competition as a means of gaining exposure and generating student interest. By choosing a large, challenging and exciting project, the chapter would join all of its members in one single cohesive effort towards one common useful goal. Camaraderie and pride derived from such a conspicuous and united effort would serve as an incentive for joining the effort. A big challenge would not, therefore, hinder progress through fear but would instead generate interest, increase participation and enhance cooperation.

The project choice was made early, during the summer. The choice was based on several facts. UCF's Electrical Engineering and Communications Sciences Department has a strong communications program. Central Florida is a focal point of acti-

vity for the nation's space program. Entertainment constitutes another strong Central Florida industry, and a project incorporating an entertainment theme would be attractive to students as well as judges. It was decided, therefore, to prepare a prototype Satellite Television Receive Only (TVRO) Earth Station of our own design for display at the 1985 UCF engineering fair as the IEEE student project competition entry.

A TVRO Earth Station consists of a parabolic reflector antenna, Low Noise Amplifier (LNA), downconverter and receivers for television video and audio. TVRO earth stations can be used to receive television transmissions relayed to earth by any of the several commercial television communication satellites in geosynchronous earth orbit. Each commercial satellite can relay twenty-four television transmissions to earth simultaneously. When coupled with the number of television communication satellites in geosynchronous earth orbit, it becomes apparent that a satellite TVRO system gives a viewer the ability to choose his television programs from over a hundred different channels. Although TVRO earth stations are very technically complex, they represent a valuable entertainment resource.

The 1984-85 student project, therefore, had several goals. The students desired to win the 1985 engineering fair competition. All the members desired to gain practical experience working on a real-world type project in order to make their educations more valuable. The experience derived from a large group project would reflect a realistic engineering effort, which would more likely than not be a group effort as well. In its visibility, the project would serve as a display of the talent of students in UCF's electrical engineering program. Some media exposure was hoped for, and the project was guaranteed to increase student-faculty interaction. Finally, the search in industry for funding, support and technical counsel would serve to initiate a valuable interaction between UCF students and industry. This interaction would serve to make local industries aware of the talent available from the young school as well as to provide personal contacts between students and representatives of local companies.

## II. TECHNICAL CONSIDERATIONS

The first thing to consider when designing a communications system is signal to noise ratio. A rule

of thumb for acceptable television picture quality requires the signal to noise ratio at the television to be over 48 dB. Because of processing gain associated with the F.M. demodulation required, the required signal to noise ratio before demodulation, or carrier to noise ratio, is only 10 db. [1].

The power a satellite can transmit is limited by the fact that each satellite can only depend on its solar panels for power. Most satellites budget about 5 Watts of power per transponder or channel. However, the satellite can increase its effective transmission power by using an antenna. The Effective Isotropically Radiated Power (EIRP) seen on earth is a function of the direction in which the antenna is pointed and can be as high as 37 dBW. Unfortunately, most satellites under consideration have their antennas pointed near the center of the continental United States or North America, thereby reaching as wide an audience as possible. This is bad news for Florida. A study of various EIRP contour maps shows that a TVRO earth station in Orlando should not count on more than 33 dBW. EIRP on a good day [1,2,3].

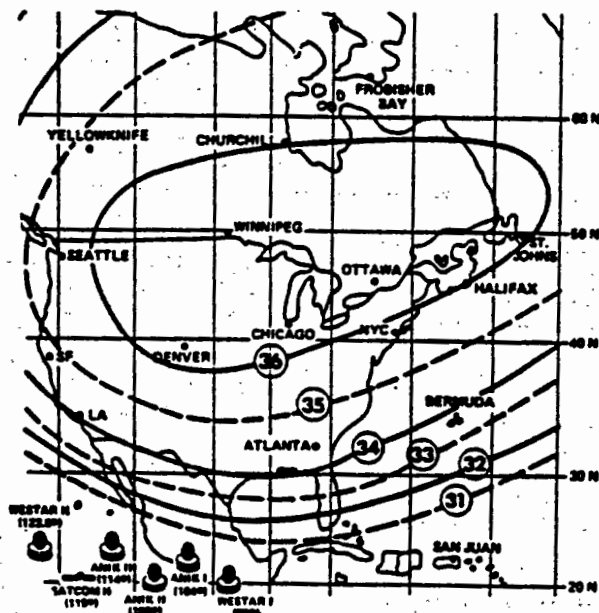


Figure 1. Satellite Effective Isotropically Radiated Power (EIRP) Contour Map for SATCOM I., Courtesy M/A-COM.

Geosynchronous satellites orbit the earth at an altitude of over 23,000 miles. The transmission loss associated with propagating over this distance amounts to -196 dB. This means that -133 dBm of signal is available for detection. A noise bandwidth of 25 MHz. and a solar system noise temperature of 40 degrees Kelvin set the noise floor (kTB) at -109 dBm. A parabolic reflector, however, can be used to concentrate the radiated energy, applying directivity gain to the focussed signal while applying no gain to the randomly oriented noise. A dish 12 feet in diameter is required to focus the signal into a feedhorn, resulting in 40 dB. of gain at 4 GHz., assuming that an antenna efficiency of

50% can be maintained. This results in a carrier to noise ratio of 16 dB. at the feedhorn [2,4,5,6].

Once the weak signal has been amplified by the antenna, a front end amplifier is required to amplify the signal to a level where it may be processed without noise figure degradation. An LNA noise figure of 2 dB. would drop the system carrier to noise ratio down to 14 dB. However, if designed properly, an LNA would also permanently establish the carrier to noise ratio of the system. These figures leave little margin of error and no room for mistakes. The downlink transmission frequencies are between 3.7 and 4.2 GHz. These represent frequencies for which transistors are hard to find.

F.M. demodulation is preceded by downconversion to a workable frequency. Downconversion could be single or in stages, but the image frequencies must always be rejected. Once the necessary downconversion is accomplished, FM demodulation may be attempted with a Phase Locked Loop (PLL). The resulting baseband video signal may then be R.F. modulated to a commercial T.V. carrier (i.e. channel 3 or 4) or fed directly into a monitor. The audio carrier, usually at about 6 MHz., must be again F.M. demodulated [2].

### III. MANAGEMENT OVERVIEW

The typical student working on this project carried at least a full course load, had at least one part time job and either a spouse or a personal life. Even if any member of the project could devote a full time schedule to project activities, he or she still would not be able to be successfully responsible for every aspect of a project this large. The project was divided into subsystems, and the responsibility for the project was shared by the subsystem managers and support officers.

Jobs were assigned according to experience, talent and ability. Figure 2 shows the final project management structure. The leader of the LNA/DC group was Carl Bishop, a Ph.D. student with several years of experience as an R.F. technician. The feedhorn designer was Ed Jansson, a graduate student with a strong background in F.M. Fields. The I.F. receiver group was assigned to Ben Abbott, a young graduate student who worked part time as a contract engineer at a local defense plant. Dish design and construction was assigned to undergraduates, some with welders licenses, others with construction experience. The IEEE Chapter president doubled as the project treasurer. Both a project photographer and a project secretary were appointed. A graduating senior was assigned the job of pursuing and coordinating industrial support of the project.

In order to finish the project on time, an ambitious schedule was developed, as shown in figure 3. Meetings were held every week by each subsystem group to review group progress and to insure that all members were working efficiently. The group leaders met together weekly as a project management team to discuss subsystem interfaces, present their groups' needs, review the collective progress of the project and talk about their problems. Newsletters were mailed periodically to keep everyone in the project and in the student branch informed of the project's progress. Occasional project meetings were held for the entire project staff.

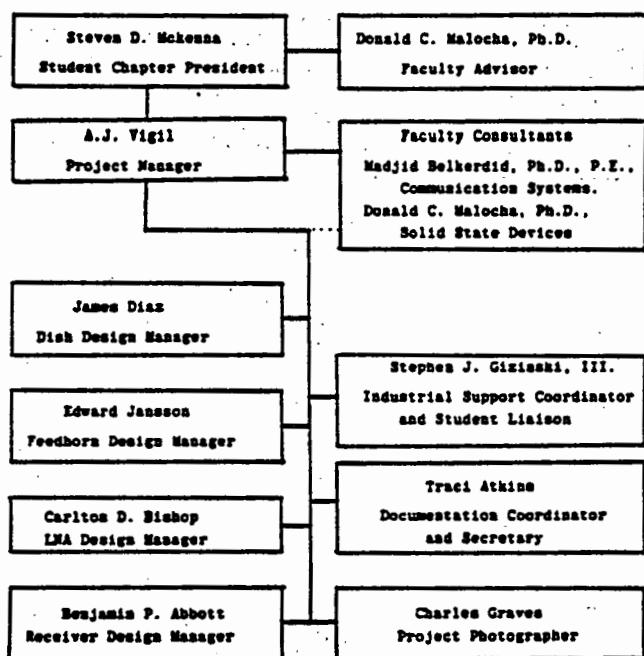


Figure 2. Project Management Structure.

Technical Audit	August 27 - 31
Personnel Recruitment	August 20 - 31
Personnel Assignments	August 22 - September 14
Research	August 20 - September 14
Design	September 3 - 28
Preliminary Fabrication	September 17 - October 5
Testing	September 24 - October 12
Research	October 1 - 26
Redesign	October 15 - November 2
Fabrication	October 29 - November 9
Troubleshooting	November 5 - 23
Final Preparation	November 19 - December 14
Leeway	December 14 - February 15
Engineering Fair	February 20

Figure 3. Original Student Project Timetable, prepared August, 1984.

#### IV. RESULTS

##### A. Support and Funding

A "Preliminary Outline" was prepared describing the proposed TVRO earth station project. Using this report as a written summary, local and out of state companies were contacted by letter and follow-up phone call or by personal contact. Industry response was surprisingly positive. Once the objectives and organization of the project were made clear to them, every organization approached in a professional manner responded with some sort of support, either in required parts, advice and counsel or in the use of test equipment not available at school.

The biggest contribution by far was the donation of a complete operational TVRO earth station by Harris Corporation. The donation consisted of a parabolic dish, horn/LNA assembly and receiver. The system served several purposes. By assembling and installing the donated system, members of the project were able to gain practical experience aiming the dish and receiving satellite transmissions for the first time. By opening the receiver and LNA, the students were able to inspect a commercial version of the prototype they were building. The donated system also served as a test bed for the subsystems of the student prototype, proving invaluable to the project.

The project received private donations from several faculty members as well as other individuals. The UCF Student Government also supported the project financially. Although the time and effort put into this project by the students is incalculable, only a small percentage of the cost of the parts and materials used was borne by the students involved.



Figure 4. A Student Project Meeting. Pictured, from left, are Enrico Iacobi, Brian Walsh, Ed Jansson, Marco Gachter and Rachel Saidla.

##### B. Antenna

The antenna was divided into three parts. These were the base, parabolic reflector and feedhorn.

Base design was preceded by a study of working TVRO antenna models. An important consideration in base design is the ability to establish a polar mount, so that a viewer could easily scan the sky for television relay satellites along an equatorial arc. The base design used was an adaptation of a drawing studied, modified for greater portability and ease of assembly. The structure of the base used is shown in figure 5.

The reflector was designed to be lightweight, portable and easy to assemble and disassemble. It consists of a center hub which holds eighteen radial aluminum tubes, or "arms." These arms are stressed by both radial cables and a circumferential cable in order to bend them into the correct shape. This stressed-parabolic configuration is illustrated in figure 6. The horn is supported by a PVC/aluminum pipe mast. The reflective material is a fine aluminum screen, sewn together and to the radial arms with fine copper wire [5].

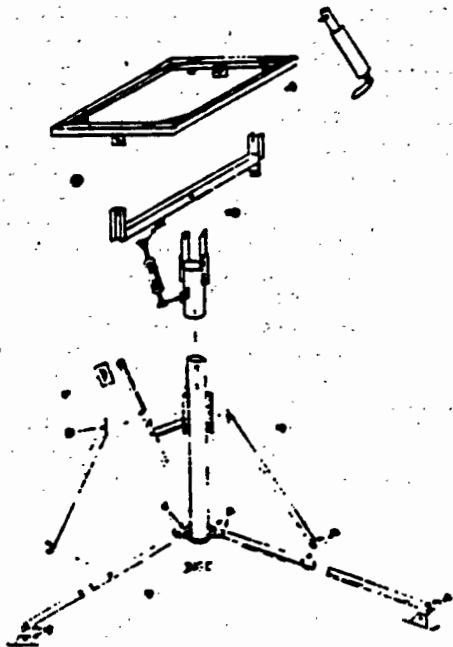


Figure 5. Base Blueprint, Courtesy Long's Electronics.

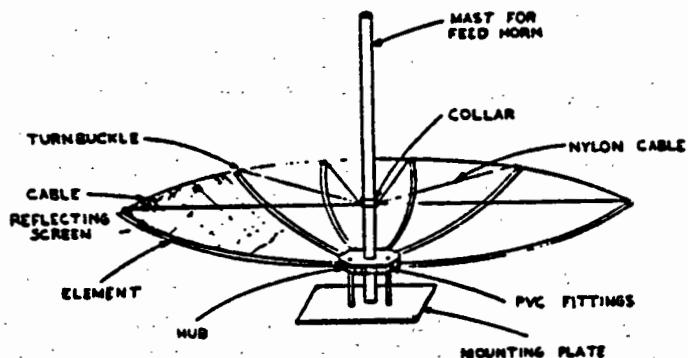


Figure 6. Stressed-Parabolic Dish Structure. Prepared by Kevin Lee.

The feedhorn consists of a conical aperture followed by a waveguide section. Its probe is effectively a quarter wavelength impedance transformer, and is designed to be soldered directly to the LNA. The feedhorn acceptance angle is matched to the focus to diameter ratio of the dish.

### C. Low Noise Amplifier and Downconverter.

Transistors used today for high frequency low noise applications are thin gated Gallium Arsenide Field Effect Transistors. The best and least expensive line of high performance low noise microwave

FETs found are made by Mitsubishi and carried by Applied Inventions in Hillsdale, New York. These transistors are very sensitive to static and to heat. They require extensive precautions in handling and soldering, such as the use of grounded soldering stations and the use of low temperature solder and irons [7,8].

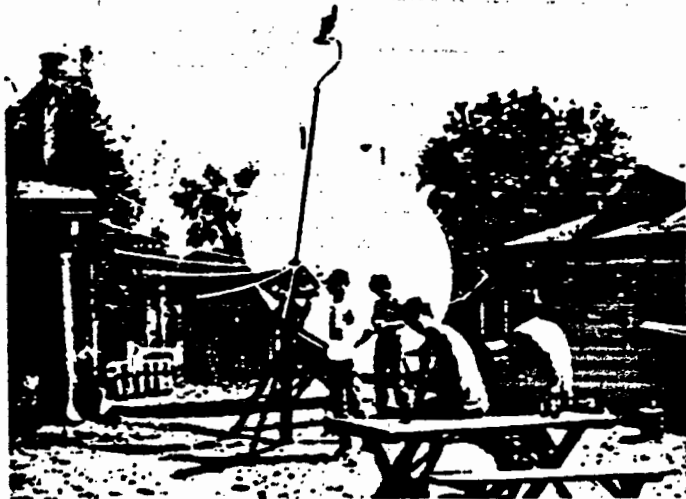


Figure 7. Parabolic Dish under construction, commercial Harris Corp. dish in background. Pictured, from left, are Steve Martinez, Robert Morales, Steve McKenna and Steve Gizinski.

High frequency LNA stages are designed using impedance matching techniques. The input is matched for minimum noise figure while the output is matched to maximize the gain. The Smith Chart representations of the matching networks implemented are shown in figure 8. Since the behavior of inductors and capacitors is largely unpredictable at high frequencies, matching networks at 4 GHz. were implemented using microstrip techniques. Figure 9 shows the final microstrip structure implemented. D.C. transistor biasing was introduced to the transistors through their tuning stubs via lowpass filter networks. The lowpass filter networks are designed so as to have low frequency poles close to the supplies and higher poles near the transistors [8,9,10].

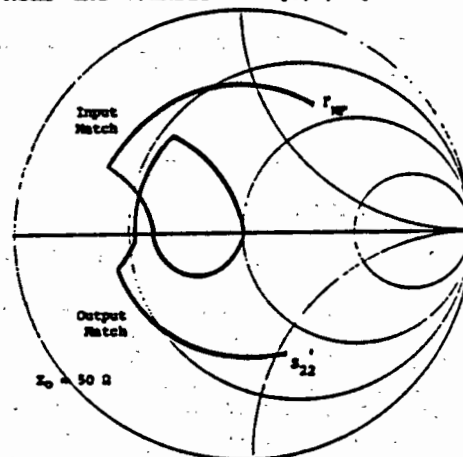


Figure 8. Low Noise Amplifier matching network, Smith Chart representation.

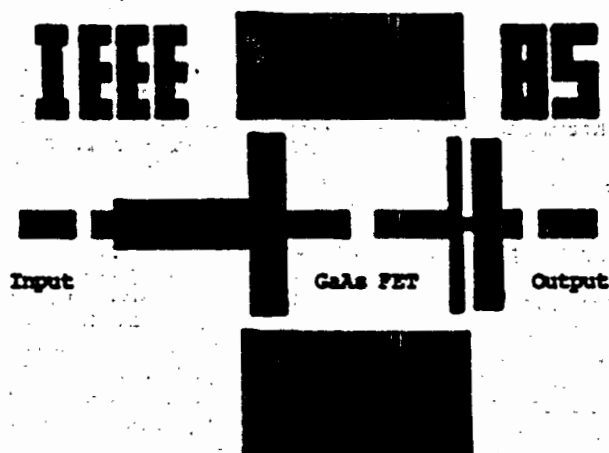


Figure 9. Low Noise Amplifier microstrip matching network layout. Prepared by Marco Gachter.

A single transistor LNA stage was designed, built and tested. Using a transistor specified at 1.1 dB minimum noise figure and 12 dB associated gain at 4 GHz, a microstrip matching circuit board was built at UCF's newly developed Microelectronics Laboratory and Fabrication Facility. Tested at facilities provided by Martin Marietta Aerospace, the prototype amplifier was found to have a minimum noise figure of 1.4 dB and gain as high as 13 dB in the band of interest. Although a commercial LNA was used at the engineering fair in the system presented, the successful completion and testing of the one stage prototype served to demonstrate the understanding of the theory required to design and fabricate a 4 GHz front end amplifier. A four stage LNA with a .65 dB front end transistor was designed conceptually. Acquisition of parts and detailed design, fabrication and testing of such an LNA has been left as a possible future project.

Downconversion was accomplished in a single step with a high performance Image Rejection Mixer, or IRM, provided by Miteq, Incorporated. The IRM rejects image frequencies by mixing in quadrature and matching in such a way that the image frequencies add out of phase. A sweep generator operated in continuous wave mode served as the local oscillator.

#### D. IF Receiver

The system IF, or Intermediate Frequency, is set at 70 MHz. by the downconversion, which is followed by amplification and filtering. The IF filter is a fifth order Butterworth with 25 MHz. bandwidth. Although 36 MHz. bandwidth is allotted to each satellite television transponder, a 25 MHz. IF will still capture all of the video in most cases while reducing the noise bandwidth. The phase locked loops used in the FM demodulation have an operating frequency limit of 50 MHz. A divide by two circuit digitally reduces both the center frequency and the bandwidth of the IF by a factor of one half, making it possible for the PLL to lock on the carrier fundamental [2].

The signal now proceeds in two directions. The video, from zero to 4.2 MHz., proceeds through deemphasis and filtering to notch out the sound. The sound is run through another phase locked loop for demodulation. The signals are then RF modulated to commercial specifications and received by the television as channel three or channel four.

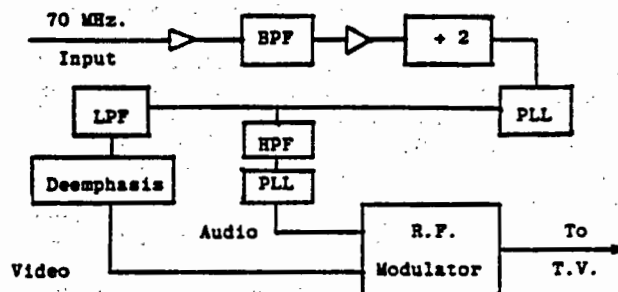


Figure 10. 70 MHz. I.F. Receiver block diagram.

#### E. Summary

These subsystems were developed, designed, built and tested by the various students with very little time left to spare before the Engineering Fair. The final product presented was essentially a first generation design prototype which received both video and audio and won the UCF Engineering Fair Student Project Competition. A system evaluation after the fair pointed to various improvements which could be made in every subsystem of a future version. The project received media coverage in the school student and faculty newspapers, the alumni magazine, the Orlando newspaper and the local television news.

#### V. CONCLUSIONS

The project began with the establishment of several goals, as discussed in the introduction. These goals were both reasonable and readily attainable through the project chosen.

Winning the Engineering Fair Competition was probably the easiest goal to attain because of the scope of the project. However, the most important aspect of the project was the knowledge and experience gained by the students involved. The single most significant accomplishment was the fact that two dozen students who knew little to nothing about TVRO or satellite communications in general advanced their own technical knowledge and skill to the point of completing this project on time.

The most surprising result was the enthusiasm with which industry was willing to support our work. Every organization approached for assistance volunteered help in finances, parts, technical advice and/or equipment testing. This generous enthusiasm was largely a result of the prepared and professional manner in which each potential sponsor was approached. Before being asked for help, each indus-

trial contact was informed of the goals, organization and present status of the project. The person approached was then asked for some specific contribution or help which they were capable of providing. Once a person knew what was being accomplished, how it was being done and how their donation would advance the students' goals, the natural reaction was to help the students' cause in every way possible.

In addition to media exposure and industrial contacts, participating students gained the benefits of increased interaction with faculty. IEEE Student Branch membership more than doubled during this project. Student activity in all Student Branch functions as well as many Orlando Section events increased sharply as a direct result of the project and its visibility, fulfilling another project goal.

The most difficult goal to meet was the deadline imposed by the Engineering Fair date. The original timetable provided two months of leeway because of anticipated delays. Three months into the project, this timetable was no longer reasonable. Figure 11 shows the new milestone chart which was developed at that time. As this timetable became outdated, the project entered a phase referred to by the members as "panic mode."

		November												January												February												
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of the LNA/Downconverter Group included Carlton Bishop, Abdulla Rawahy, Marco Gachter, Eric Whitehead, Kevin Reiff and Ali Shahnami. Ben Abbott, John Shaughnessy, Bill Davis, Hal Creech and Roger Patel comprised the IF Receiver Group.

Very special recognition goes to Sam and Diane Richie, who for two months sacrificed their beautiful home and their privacy for the causes of this project.

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Armando J. Vigil was born in Brooklyn, New York on June 9, 1962. He received the B.S.E. degree in electrical engineering from the University of Central Florida, Orlando, in 1984.

His research topics have included Solar Energy Ponds and Electric Motor Power Factor Controllers for the Tennessee Valley Authority Division of Energy Demonstrations and Technology in 1982 as well as Fiber Optic Sensors and Surface Acoustic Wave Devices for the University of Central Florida from 1983 to 1985. His honors have included selection into "Who's Who Among Students In America's Colleges and Universities" and the 1984 UCF "IEEE Outstanding Senior in Electrical Engineering" award. In 1984 he served as IEEE Student Project Manager to organize the effort by the UCF Student Branch to design and build a Satellite TVRO System. He is currently completing a Master's Thesis pertaining to Surface Wave Devices at the University of Central Florida.

The author's studies and research are supported under a National Science Foundation Graduate Fellowship. He is with the Solid State Devices Group, Department of Electrical Engineering and Communication Sciences, University of Central Florida, P.O. Box 25000, Orlando, Florida 32816.

May 6, 1985

# Students Build Satellite Receiver

I'm amazed at how much can be accomplished when a group of motivated students work together," said A. J. Vigil, graduate student and project manager for an extracurricular engineering project. The student chapter of the Institute of Electrical and Electronics Engineers (IEEE) constructed a satellite receiving station to be presented February 20 at UCF's Engineering Fair. According to Donald Malocha, an electrical engineering professor, "The project includes a TV Receiver (TVRO) system. The students built just the receiver, not the satellite." The completed system will pick up television programs from twelve satellites within line of sight of Orlando.

Cables capable of handling TV signals will be installed into the student labs in the new engineering building currently under construction. By channeling the signals, the system can operate as a teaching tool for University faculty and students as well.

Student government, faculty, students, and the Orlando Senior Section of the IEEE provided the financing. Local industries also donated equipment.

While working on the project, students learned management skills and how to work as a team. Vigil said that the difficulty of the project motivated the 30 students. "We are trying to put our school on the map."



A.J. Vigil, engineering graduate student, makes last minute adjustments on the satellite receiving dish at the Engineering Fair held last February.

**UCF Emphasis**  
April/May 1985

## STUDENT BRANCH ACTIVITIES

In February, the University of Central Florida College of Engineering held Engineer's Week. The IEEE Student Branch participated in the fair and presented their project on a TV Satellite Receiving System. The system included a 12-foot dish, low noise amplifier and horn and the downconverter system. Over 35 students participated and over a thousand man-hours were expended in support of the project. In addition to the time, over \$1000 of parts and donations were contributed to the project. Harris Corporation also donated a complete 10-foot dish TV receiving system. This system was used as a test bed for trouble-shooting the students' system. The system was made operational, receiving both sound and picture. The IEEE student project was judged the most outstanding project presented and a plaque will be given to the Student Branch. It is hoped that both systems will be used for further investigations in support of the UCF Communications Graduate Program and in support of the IEEE Student Branch.

A poster presentation on Surface Acoustic Wave Device Fabrication by A. J. Vigil and Ray Yap, both IEEE student members, won them the best individual project award.

Donald C. Malocha  
Student Branch Advisor

■ Engineering students at UCF may be the most ambitious in the nation. The UCF chapter of the Institute of Electrical and Electronics Engineers is building a 12-foot satellite dish receiver.

"I've never seen as much enthusiasm. This may be a small school but these guys make us look big," said Dr. Majdid A. Belkerdid, associate professor of electrical engineering and an adviser to the chapter.

The receiver will be used for non-profit educational purposes. Members used their own money on the project.

**IEEE Orlando Section Notes**  
April 1985

"The main thing is the challenge and hands-on experience," said A.J. Vigil, project manager.

Members of the group, mostly seniors and graduate students, hope to complete the receiver in time for UCF's Engineering Fair Feb 20.

"There's always an element of risk. We're working with limited resources. But even if the dish doesn't work it will still be a success because students designed and built it," said Dr. Donald C. Malocha, an electrical engineering associate professor and an adviser to the group. "I'm amazed at the talent and motivation — learning is the only reason they're doing this, all other reasons are secondary."

Steve Martinez, who is coordinating work on the antenna, said, "This is what we plan to do professionally. This project is an opportunity to show what we can do."

"We may not make it better, but it will be our own design," Vigil said.

**Orlando Sentinel**  
Dec. 12, 1984