



Region 3

Newsletter

Volume 9, Number 1

Winter 1994

DIRECTOR'S MESSAGE

*Deborah M.
Powers*



Let me welcome you to what is, for Region 3, the start of a new year, and the start of my two year term as Director. I am looking forward to the next two years with both excitement and apprehension - excitement that I will have a chance to make a difference with the goals I (and the ExCom) pursue, and apprehension because David Conner will be a "tough act to follow" at both the Region and Board levels.

I got a taste of the Board meetings during November, when incoming Directors sit in on the meetings and caucuses, and several "orientation" sessions. In five very full days, I attended the USAB meeting, the RAB Caucus, the Board of Directors Caucus, the RAB meeting, the Board of Directors meeting, the RAB Directors' forum, the Industry luncheon, several RAB committee meetings, and orientation sessions on RAB, the IEEE, parliamentary procedure, and the laptop computers used at the Board meetings.

Having attended RAB meetings when I was RAB Awards and Recogni-

tion Chairman in 1988-89, I am very impressed by the "paperless" meetings now held by the BoD, and the semi-paperless meetings held by RAB. The endless rustling of paper and snapping of 3-ring notebooks all but disappeared, and with ROOT, reference material was literally at our fingertips. Reports are electronically submitted and electronically disseminated - saving hours of work by the staff, and an untold number of trees. The first task of the incoming ExCom will be to fill out their committees. If you have an interest in working on a committee, or on specific projects, please let me or the appropriate chairman know; as in a job interview, don't say you'll work on "anything" - that leaves me to guess where your strengths are and where your interests lie. You will find that I am very "project oriented", with emphasis on end results that will make life easier for lots of people. I have some projects in mind, the ExCom chairmen have others. I am looking for other project ideas that can be pursued by ExCom committees, and projects that would be pursued by sections. Partial funding is available for projects where the results can be used by other sections.

The next meeting will be held in Louisville, KY, February 5-6, 1994. Joe Cole, Area 8 Chairman, has been very effectively implementing an "Area 8 Committee" in recent years, where members from the Area 8 sections have agreed to serve as "Area 8 representatives" to the Region committees. I am planning to move the ExCom meetings around the region, and started with Area 8 because I couldn't remember the last time we had been there. I am interested in getting proposals from other places we have not been recently - I will need a local contact

to do hotel visits, etc. - please let me know if you are interested in "hosting" the region ExCom.

Finally, I hope you are making plans now for your section to be represented at the Annual Region 3 Committee meeting Sunday, April 10, in Miami. The general consensus last year was that it was hard for people to be out from work on Monday, so in 1994 we will be having the Region meetings on Saturday and Sunday. Saturday from 1-5pm will be used for the PACE Workshop and other committee meetings, including an E-mail session and a Leadership Development Workshop. Saturday evening, the PACE

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representatives will resume their workshop, and the Section representatives will attend the Region Caucus, where the Area and Council Chairmen and ExCom Committee Chairmen will report, and present any motions they want to bring before the ExCom. Sunday morning the PACE representatives will wrap up their workshop while the section representatives attend the Region 3 ExCom, where voting on the motions discussed during the Caucus will take place. Sunday afternoon, the PACE representatives will join the section representatives at the Region 3 Committee Meeting, where individual sections will report on their activities, the PACE representatives will report on the result of their workshop, and any required Region 3 Committee votes will take place.

Please Note*

(1) The PACE representatives and the section representatives are to be DIFFERENT people, (2) anyone who is flying MUST stay over Saturday night, (3) representatives are expected to attend ALL meetings they are scheduled for, and (4) airfare wars may make it advisable for representatives to book their travel arrangements in the near future.

All representatives are expected to obtain the lowest airfare possible by planning at least 21 days in advance. I look forward to seeing you in Louisville and Miami!

VICE-CHAIRMAN'S REPORT

James H. Beall



The first of January brought a new year and a new group of officers for Region 3. As your Vice Chairman for the next two years, I will be in contact with many of you. If you were to read the bylaws, the Vice Chairman has an oversight function over the Standing Com-

mittees, Sections, and Councils. Our Director, Deborah Powers, has asked that I pay particular attention to the Councils during the beginning of these two years.

I plan to attend a meeting of each council at least once in the next six to nine months. The plan is to provide helpful advice to the councils where they may have a need to improve their operation. Attendance at these meetings will also put me in contact with the Section Chairs or their designated representatives.

The obvious thrust of all this is to create the best operated Sections, Councils, and Region so as to benefit the member.

If you have any questions or need any help, please contact me at the address or phone number in the directory at the end of this newsletter.

SECRETARY'S REPORT

Allan H. Long



Another year is past, and so draws my term as Secretary. (Well, as soon as I get the Minutes of the last EXCOM meeting out, that is!) I've thoroughly enjoyed being "in the loop" of information, and it has been rewarding to be so much a part of the Region's activities. I've learned a lot and appreciate the opportunity to serve in this capacity.

As I wrap up my Secretary files on 1993, I note that very few sections have yet responded to my request for corrections/approval to the minutes of the Region 3 Committee Meeting in Charlotte. If your section has not yet replied, please do so!

I look forward to a change of pace as Awards Chairman this year. One of the most valuable things we can do for our profession and our organization is to recognize the hard work and contributions of our fellow engineers and volun-

teers. I hope you will start thinking now about those whom you feel are our "unsung heroes (and heroines)" and be ready to nominate them for the awards they deserve. I won't let you forget!

TREASURER'S REPORT

David G. Green



Greetings. Region 3's finances are in good shape. Expenses are generally within budget and several income items have exceeded original projections. This additional income plus the controlled Sections Congress expenses eliminated the need to tap the reserves as was originally planned when the budget was adopted. The reserves will actually grow by about \$30,000 in 1993. The expenses and income against the '93 Budget was presented at the December ExCom along with a tentative budget for 1994. Please submit any input you have for the 1994 Region 3 Budget to your Area/Council Chair as soon as possible. The Region 3 1994 Budget will be formally adopted in February 1994. The Area/Council Chairs have more detail if desired.

I have attached a copy of a draft of the 1994 Region 3 Budget. This budget is a variation of the one presented at the December '93 ExCom meeting and attempts to reflect the decisions made at that meeting. The actual '94 Budget will be proposed by the 1994 Finance Committee and approved by the '94 ExCom at the February meeting. The attached budget shows a deficit of \$49,167 reflecting several additional costs in 1994: automation efforts, e-mail connectivity charges, increased committee expenses for new activities in some committees (Membership Development and Conferences), Operation and Awards Manual reprinting, increase seed money to SoutheastCon '95 and an increase in

student travel due to the location of the SoutheastCon '94. The planned budget will leave the region with an estimated reserve of 80% of '94's expense budget at the end of 1994 conservatively within IEEE guidelines. I wish to thank Debbie Powers and Dan Jackson for serving on the Region 3 Finance Committee. They both helped out quite a bit. I want to especially thank Debbie for overseeing the Sections Congress process. I wish good luck to Roy Harris who taking over as Region 3 Treasurer for 1994. He brings a lot of experience to the position and I am sure the Region's funds will be in good hands.

Region 3 travel policy remains unchanged from the last newsletter. The mileage reimbursement for approved car travel is \$0.28/mile. Be sure to seek approval from the Region Director prior to the travel. Section chairs should be planning their travel to the Region 3 meeting in Miami and watching the "air fare" wars for a good price. Submit reimbursement vouchers for travel to the Director who will forward it to Roy Harris for reimbursement.

PAST DIRECTOR'S REPORT

David A.
Conner



During my two year tenure as Past Director, I plan to use this column to discuss a wide variety of topics. Here are my first two topics.

US Tax Exempt Status

IEEE recently received reclassification as a 501c(3) organization within the US. As such, its federal tax status changed to "tax exempt". One of our US-based Region 3 leaders (namely Jim Howard) inquired about the availability of a tax-exempt status at the state level.

At my request, Richard Schwartz, IEEE Staff Executive for Business Administration, reviewed the status of the 13 states represented (in whole or in part) in Region 3. Dick found that all but one state fell into one of two categories. The first category of states had no provision for a tax-exempt status for our type of organization. The second category allowed our type of organization to attain a tax-exempt status but required, in return, that taxes be collected on all products provided within the state. The net result would be that the benefits gained from the tax-exempt status would be "swamped" by the tax collection process ... costing IEEE members more money in the long run.

The "bottom line" is that the only state associated with Region 3 where attainment of a tax-exempt status is feasible is the State of Arkansas. Therefore, tax-exempt status is being pursued by IEEE for the State of Arkansas. So, the only winner in Region 3 will be the Memphis Section ... and only if they "cross the border into Arkansas" to make their purchases and do their business.

"Friends of IEEE"

Traditionally, IEEE has divided its workers into two classifications: staff and volunteers (i.e. non-paid IEEE members). Unfortunately, this classification scheme ignores a most important group of IEEE supporters: our office associates (secretaries who handle many of our clerical functions and peers who "fill in" for us when we are away from the office on IEEE business) and our spouses (who "put up" with our professional involvement and often handle accounting, clerical, and gofer chores on our behalf). IEEE is beginning to realize that these non-IEEE member contributions are significant and deserve recognition. These non-IEEE contributors are being called "Friends of IEEE".

My challenge to you is to seek out and recognize the "Friends of IEEE" that support your work in IEEE and the work of your Section. For example, the Alabama Section, after SoutheastCon '92, made a special effort to let each of the "Friends of IEEE" that worked in SoutheastCon '92 know how much the Section appreciated their efforts on be-

Region 3	1994 BUDGET *** DRAFT ***	
Description	1994 Income Budget	1994 Expense Budget
PROGRAMS AND ACTIVITIES*		
Meetings and Social Events		\$4,600
Publications (Newsletter)		\$4,800
Conferences	\$14,000	\$9,000
Continuing Education		\$100
Professional Activities	\$12,123	\$12,200
Student Activity Comm.		\$20,340
Grants and Awards	\$1,000	\$5,200
Needy Section Support	\$2,000	\$2,000
Project Funds - Electro	\$2,000	\$4,000
*****OTHER INCOME*****		
Rebate from Headquarters	\$53,300	
Interest	\$4,000	
*****OTHER EXPENSES*****		
Office Expense		\$300
Travel Expense (non-student)		\$30,000
Other	\$500	\$47,850
	<u>\$88,923</u>	<u>\$140,090</u>
NET SURPLUS/(DEFICIT)		(\$51,167)

half of IEEE. In my case, in addition to my wife, I have had three great "Friends of IEEE", associates: Charlotte Oliver, Lou Ann Faulkner (who worked with me until last July), and Maria Sparks (Lou Ann's replacement). These ladies have contributed an inordinate amount of time to IEEE activities. Without their assistance, I would never have been able to fulfill my IEEE duties.

This public acknowledgment is one way in which I am recognizing them. During this past December, I also gave each one of them a memento to recognize their service to IEEE and to thank them for their contributions. Who are your "Friends of IEEE"? What are you doing to recognize them?

NORTH CAROLINA COUNCIL

Ronald C.
Harrell



Our thanks to Bill Medaris, Past Chairman of the Council, for his hard work and dedication to the IEEE, and particularly to the North Carolina Council. Bill will remain on our Executive Committee for two more years, and I am glad to have his experience for the benefit of the Council. As with the Region, the various offices are held for two year periods, so Bill already has eight years of dedication to us with two more to go.

Our next meeting of the Council is scheduled for February 4, 1994, the day before the next Region 3 meeting. We have many critical issues facing us, not the least of which is the fund raising activities required to get our treasury back in the black. Thanks to Region 3, we can operate on a shoestring for a while, without folding, until we get back on our feet financially.

We hope that with the assistance of the Section Chairmen, we can still communicate the activities of the Council to

all members of IEEE located in North Carolina. We will send each Section information on the activities of the Council, and hopefully the Sections will include the information in their meeting notices and/or newsletters.

Marvin Neiditz, Vice-Chairman of the N.C. Council, is making plans for a training session for all officers and committee chairman of all of the IEEE Sections in North Carolina. By the first meetings of both the Council and Region, we should have more definite plans and dates. All Region 3 ExCom members are welcome to attend.

I look forward to the future and the opportunity to work with many of the IEEE members in North Carolina and Region 3. Thank you for the confidence you have placed in me for the next two years.

AREA 3 GEORGIA

Dennis A.
Ludwig



I have just accepted the challenge of being the new Area 3 Chairman of Region 3. So far, all I know about this new position is that my phone bill is going to go up. I work at Warner Robins Air Logistics center in the electronic warfare division, and I spend my spare time working on a masters at Mercer University.

Atlanta Section

The Atlanta section is busy planning for Autotestcon '95 and the Olympics. A more immediate concern is their annual banquet on January 25, 1994. The banquet speaker will be Wayne Baker, author of "Networking Smart: How to Build Relationships for Personal and Organizational Success". Dr. Baker is a professor at the University of Chicago School of Business. The banquet will be

at the James "Sloppy" Floyd Memorial building, next to the state capital.

The section just elected new officers. It was reported the last time that they changed their time period for officer elections. I'm curious to see if there will be advantages to this; perhaps other sections will want to consider changing their election time.

Savannah Section

The Savannah section is planning for their Christmas party. My copy of their newsletter, the Annunciator, took a beating in the mail system, but I taped it up and enjoyed reading the Short Circuits section. They have a very active group down there. Usually their meetings are at the famous Pirates House. I never did get to see that rain forest bar working.

Central Georgia Section

The December meeting at the Macon airport weather service radar was a great success. They are looking forward to supporting Invert America! again this year. Has it really been a year already?

FLORIDA COUNCIL

James M.
Howard



The Florida Council has been VERY active over the past year. Some of the Council accomplishments for the 1993 calendar year include:

- Reactivation of the Gainesville Section
- Funding of Travel to Section's Congress
- Distribution of Funds from Southcon to Sections
- Representing IEEE at State Science Fair (incl. IEEE awards)
- Five(5) Council Meetings
- All Sections current with head quarters

REACTIVATION OF GAINESVILLE SECTION - Several newsletters were created and mailed to all IEEE Gainesville Section Members. Each newsletter sought volunteers to help "Get the Section back up and running". They have elected officers and held their required five meetings for 1993.

The Florida Council will be filing the Gainesville Financial report for 1993 and then turning over all remaining funds to the Section. In addition, we will monitor and assist the Section to make sure they are receiving all the support they require to make the Section successful.

FUNDING OF TRAVEL TO SECTIONS CONGRESS - The Council chose to hold a FC meeting in San Juan during the Sections Congress. In order to encourage more participation from the Florida Sections, the FC offered assistance with funding for travel in the amount of \$200.00 for each Section represented at Section's Congress. **IT WORKED!** TEN of the twelve Florida Sections were represented at the Congress.

All the Sections attending the Sections Congress felt it was an extremely successful event. Everyone came away with a much better understanding of what IEEE is and what it has to offer. We plan to continue helping the Florida Sections attend each and every Sections Congress.

DISTRIBUTION OF FUNDS FROM SOUTHCON TO SECTIONS - Motions were passed pertaining to the funds the FC receives from its 25% ownership of the SOUTHCON show.

REPRESENTATION OF IEEE AT STATE SCIENCE FAIR - For the second year in a row, the FC represented the Florida Sections at the Florida State Science Fair. The FC began judging and presenting awards at the State Science Fair for both the Junior and Seniors about two years ago. Most Sections are involved with their local county Science Fairs.

FIVE FC MEETINGS HELD - By utilizing both the Sections Congress and SoutheastCon, the FC was able to hold five(5) meetings and still come in under budget for travel. Plans call for continuing to hold an FC meeting at each SoutheastCon and to hold between three and five meetings per year.

ALL SECTIONS CURRENT - One

of the goals of the FC for 1993 included trying to get all Sections current with Headquarters. We are **ALMOST** there!! The FC has helped Tallahassee, South Brevard/Indian River, and Gainesville get current on reports into Headquarters before the February 1, 1994 deadline.

OVERALL - The FC has experienced a very busy, and productive year. We expect to continue this trend with goals and innovative projects designed to help each of the Florida Sections support and interact with their members as much as possible.

OFFICER ELECTIONS - At the FC meeting in Gainesville on November 13, 1993, new FC officers were elected for 1994. The new officers are: Chairman, Jim Howard, and Vice-Chairman, Dorrel Shirley. The next FC meeting is scheduled for January 15, 1994 in Orlando.

AREA 6 (AL,MS,LA)



*J. Patrick
Donohoe*

As my term as Area 6 Chairman comes to a close, let me say that I have thoroughly enjoyed working with the Region 3 Executive Committee (EXCOM) over the past two years. Under the leadership of outgoing Region 3 Director Dave Conner, the Region has flourished ... both from an economic standpoint and an organizational standpoint. The membership of Region 3 has been well represented on the Board of Directors by the strong voice of Dave Conner. The new Area 6 Chairman for 1994-1995 will be Dale Caston. Dale is an active member of the New Orleans Section and has served on the Region 3 EXCOM as Awards Chairman for 1992-1993.

In a recent letter circulated to the Area 6 sections within Louisiana and Mississippi by Donald A. Preston (PACE

Chair of the New Orleans Section and former Area 6 Chairman), he proposed that the Region 3 sections within Louisiana and Mississippi transfer from Region 3 to Region 5. Various advantages for such a move were cited in the letter. The Region 3 sections currently within Louisiana and Mississippi are the New Orleans Section, the Baton Rouge Section, the Mississippi Section and the Northeast Mississippi Subsection. The first step in the procedure for accomplishing a section transfer is a majority vote by the Section Executive Committee, in a regularly scheduled meeting, to propose to Section Members that a transfer take place. The Executive Committee of the Mississippi Section (including officers of the Northeast Mississippi Subsection) met to discuss the proposed transfer on September 21, 1993. Both advantages and disadvantages of the proposed transfer were discussed in detail. The Mississippi Section EXCOM voted unanimously to remain within Region 3. The EXCOM's of the New Orleans and Baton Rouge Sections have voted to consider the proposed transfer further. Currently, they are conducting a straw vote by phone and mail to determine if enough members are interested in the transfer.

At the latest Region 3 EXCOM meeting in December, the outgoing EXCOM members passed a motion by a narrow margin to consider buying laptop computers for all EXCOM members. The approximate cost of this purchase would be \$40,000. Yes, you read that right ... **FORTY THOUSAND DOLLARS** of Region 3 money would be spent so that the Region could conduct so-called "paperless" meetings. I, for one, am vehemently opposed to such a frivolous use of Region 3 money ... **YOUR MONEY!** The benefits of this purchase would in no way justify such an expense. Forty-thousand dollars would go a long way for other Region 3 needs such as increasing section rebates, enhancing the existing employment assistance programs for the ever growing number of unemployed IEEE members within the Region or increased financial support for student branches to participate in Southeastcon. I am sure that Region 3 could introduce many other proposals which would yield tangible benefits to the Region membership in general, rather than unjustifiable

benefits to a few. If you disagree with this \$40,000 expense, you should tell the incoming members of the EXCOM. You can contact them all simultaneously with an e-mail to reg03.excom@ieee.org or you can write or phone your Area/Council representative (their addresses and phone numbers are listed in the back of this newsletter).

SOUTH CAROLINA COUNCIL



Lee Stogner

Engineering Expo for Design Professionals & Land Surveyors was held at the Palmetto Expo Center in Greenville, South Carolina on November 10 - 11, 1993. This was South Carolina's premier engineering event for all of 1993. The conference was a joint project between all of the various engineering societies and disciplines in the state. IEEE was a major participant in providing speakers and organization help. The theme of the conference was "S.C. High Tech Companies: An investment in the Future". Various companies gave presentations about the technologies they were bringing to the state and the impact to the lives of the engineers in South Carolina. These companies include BMW, Hoffmann-La Roche, NCR, Hoechst, Duke Power and MEMC. All in all, great companies for a state that is becoming home to a lot of engineers.

We also took time at the conference to coach the next generation of electrical engineers and to honor those that have made a difference in the profession. Electrical engineering students at the conference participated in an open career session at which veteran engineers shared their experience and techniques at resume writing, networking and interviewing. The students all learned that they would soon be taking one of their biggest tests; getting that first job. Like any other

test, you need to do your homework and practice, practice, practice. At the conference awards banquet, IEEE presented honors to the following: The Jay Lathrop Outstanding South Carolina Electrical Engineering Educator Award was presented to Professor Lewis T. Fitch of Clemson University. The Joseph M. Biedenbach Outstanding South Carolina Industry of the Year Award was presented to the NCR Corporation. The Wilber S. Smith Outstanding Electrical Engineer in South Carolina Award was presented to Danny W. Lee.

IEEE in South Carolina is looking forward to another exciting year in 1994 with student projects, National Engineering Week and support for our fellow engineers that still haven't all recovered from the tough economic times that engineers are facing.

AWARDS AND RECOGNITION



Dale C. Caston

The Awards and Recognition Committee has received the following nominations for the three 1994 Region 3 Awards:

Outstanding Engineer	4
Joseph M. Biedenbach	
Outstanding Engr Educ	7
Outstanding Service	2

Also, there were five Exemplary Section nominations. The seven Sections that submitted these nominations are congratulated. If your section was not one of the ones submitting nominations, ask your Section Chairperson to appoint someone to be responsible for this task for 1994. It is a straight forward process to complete the two page form and secure two endorsements for each candidate. I'm sure each section has members who are qualified to be nominated for the three awards.

Our congratulations go out to David Conner, Director of Region 3, who is the recipient of the Regional Activities Board 1993 Innovation Award. This award was given for David's idea and coordinating the first Region Executive Committee video conference meeting in IEEE. Also assisting and helping to make the video conference possible with the use of Bell South facilities was John E. Spencer, Jr., Past Chairman of the Alabama Section.

This December brings to a close my term as Awards and Recognition Chairman. As Allan Long takes over these duties, the Committee will be in good hands. If you have ideas on improving this Committee's work, I'm sure that Allan would welcome your comments.

EDUCATIONAL ACTIVITIES



Ewell Menge

Membership Service - Service to our member Sections has been the focus of the Region 3 Educational Activities Committee during the time that I have had the opportunity to serve as Chairman. The Committee encourages Sections to sponsor Educational Activities programs and supports their efforts by providing resources. For Section Leaders planning their Section or Chapter's Educational Program for 1993, I will list three important resources:

1) Local Activities - Active Sections frequently sponsor locally organized education activities for their members. By their nature, these reflect local interest and attract members beyond the "20 people who always show up." To encourage Sections to organize their own local activities, the Committee prepared a brochure consisting of advertising fliers for educational programs sponsored by Florida Sections during the last two years. If you would like a copy, please

IEEE SoutheastCon '94

Miami, Florida

April 10-13, 1994

Special Supplement



IEEE SOUTHEASTCON '94

April 10 - 13, 1994
Miami, Florida

Sponsored by
The Institute of Electrical and Electronics Engineers, Inc., **Region 3**
and the **Miami Section**

CONFERENCE INFORMATION AND REGISTRATION

ABOUT THE CONFERENCE: The theme for Southeastcon '94 is "Creative Technology Transfer - A Global Affair". The logo represents the dawn of new partnerships between industry, education, society and new eras: Expanding the education and training methods of our schools, industries, and society through the imaginative use of interactive multimedia technology; facilitating the imagination of new technologies, research, and design in a global society; and accelerating interactive techniques of efficient information transfer and access across our modern world of science and society. Miami, in many ways, represents this modern world with its lush, green, year-round scenic beauty, clean air and water, multi-universities and schools that offer broad educational choices, and a multi-cultural society that represents our global community of the world. As our imagination of new technologies and multimedia enhancements continues to aid our invention of new and exciting products, many remain caught up in a world where much of our education and training are based on methods similar to those dating back to the "invention of chalk and board". This is changing; coming soon are wide applications of interactive multimedia, and coming later are wireless-networked electronic notebooks, access to vast data bases, cellular microwave, interactive optical video at home, virtual reality, and more! Southeastcon '94 will bring together science and engineering professionals from global corners, to interface and continue dialogues of new ideas and multimedia innovations; and will enhance the atmosphere of partnership research and learning between industry, schools, and society.

GENERAL INFORMATION: Southeastcon is the yearly IEEE Region 3 Technical Conference for the purpose of bringing regional Electrical Engineering professionals and students together and sharing information, particularly through the presentation of technical papers and presentation of student accomplishments. It is the most influential outlet in Region 3 for promoting awareness of technical contributions made by our profession to the advancement of engineering science and society. Attendance and professional program participation from areas outside IEEE Region 3 is encouraged and welcome.

TECHNICAL PROGRAM: In response to the Southeastcon '94 call for papers, we have received and reviewed papers and requests of involvement from all corners of the globe not just IEEE region 3 or the United States. There will be more than 25 technical paper sessions of 5 to 7 presentations in each, 3 panel sessions, 8 tutorials, an exhibit of products, student hardware competition, student paper presentations, a career fair and an excellent social program. All of that will take place during Southeastcon '94 which will be held April 10-13, 1994 at the Hyatt Regency Hotel in Miami, Florida, USA.

Student Program: Contact the student conference chair for information and details.

CONFERENCE REGISTRATION: The early conference registration for IEEE members (nonmembers) is \$195 (\$225) on or before March 1, 1993 and \$220.00 (\$260.00) after March 1, 1994. One professional registration fee is expected (and must accompany each paper submitted for the manuscript to appear in the conference record, by January 14, 1994). Each morning of the conference, breakfast will be available for that day's presenters during the author's breakfast. The professional registration fee also includes all coffee breaks, reception on Sunday, the awards luncheon, a copy of the *Proceedings*, and admission to all technical paper sessions, exhibits and student hardware competition. Information on student registration, registration for tutorials, and additional tickets can be found on the registration form. If you need additional help contact the conference secretariat or the conference chairman.

HOTEL INFORMATION: The Conference site is the **Hyatt-Regency Miami**. The address and telephone number are: Hyatt-Regency Miami, 400 S. E. Second Avenue, Miami, FL 33131-2197 USA, Tel: (305) 358-1234, ask for reservation and mention that you are with the IEEE Southeastcon'94. You could also fax the your hotel reservation request to (305) 358-0529. The check in time is 3:00 p.m. and the check out time is 12:00 noon. The conference room rate of **\$95.00 for single or double and \$110.00 for triple or quad** is guaranteed three days before and three days after the conference dates. Triple and quad accommodation are meant for students sharing rooms with each other so we could accommodate all participants at the Hyatt-Regency. The Hyatt-Regency Miami is an elegant four star hotel and features many shops and restaurants and is located on the Miami river at its connection with the atlantic ocean. The Bayside Market place is 10-15 minutes walk from the hotel and feature more than 200 shops and restaurants in addition to night life activities and live music until late into the night. The conference committee recommends that all participants including students stay at the conference hotel. April is a High season in Miami, the conference rate is 30-40 % less than the actual rate charged at this time. It is therefore necessary that **rooms must be reserved and guaranteed with the hotel by March 1, 1994. Non-guaranteed reservations may be canceled not honored if the conference room block is reached.** The organizers have not arranged any other facilities for accommodation since they are either far from the conference site, much more expensive or did not meet the standards for good stay. Therefore, we are not responsible for any canceled reservations not guaranteed with a deposit or a valid credit card number. Please obtain your guaranteed confirmation number so we may help you solve any problem if any.

AIR-PORT TO HOTEL TRANSPORTATION: Upon arrival at Miami International Airport, claim your baggage on the airport's lower level. Go out through the nearest exit. Look for the van service areas for the SuperShuttle Vans on the curb near the exit. Mention to the service person that you want to go to the Hyatt-Regency Hotel. The SuperShuttle vans are very frequent and should take 10-15 minutes to reach the Hotel from Miami International Airport. The service is 24 hours a day and is also available from the Hotel to the Airport. The cost is \$8.00 each way. Please note that cash or credit card payment of the fare are acceptable on this van service. Taxi services are also available.

Conference Organizers to Contacts:

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IEEE SOUTHEASTCON '94

April 10-13, 1994
Hyatt-Regency Hotel
Miami, Florida



ADVANCE REGISTRATION FORM

Last Name		First Name	M.I.
Name on Badge		Telephone No.	Fax No.
Company/Organization/University		Department/Mail Station	
Mailing Address			
City	Province/State	Country	Zip Code
IEEE Membership No.		Guest/Spouse Name (if attending)	

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Phone: (305) 348-3708
Fax: (305) 348-3707

For Committee Use:

Session Chair Paper Author Region 3 EXCOM Student Participant

REGISTRATION

		By 3/1/94	After 3/1/94	
<input type="checkbox"/> IEEE MEMBER	Includes Sessions, Exhibits, Reception, Proceedings, Awards Luncheon	\$195	\$220	\$ _____
<input type="checkbox"/> Life Member	Includes Sessions, Exhibits	\$ 15	\$ 20	\$ _____
<input type="checkbox"/> NON-MEMBER	Includes Sessions, Exhibits, Reception, Proceedings, Awards Luncheon	\$225	\$260	\$ _____
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<input type="checkbox"/> Basic Registration	Includes Sessions, Exhibits	\$ 15	\$ 20	\$ _____
<input type="checkbox"/> Package	Includes Sessions, Exhibits, Reception, Luncheons and Party	\$ 85	\$ 95	\$ _____
<input type="checkbox"/> SEMINARS AND TUTORIALS (\$90/115 for half day or \$170/195 for full day)				
<input type="checkbox"/> Data Communications & Local Area Networks & Concepts		\$ 90	\$115	\$ _____
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<input type="checkbox"/> REGION 3 EXCOM MEETINGS ONLY - Includes Meetings Refreshments, Exhibits and Reception		\$ 50	\$ 60	\$ _____
<input type="checkbox"/> ADDITIONAL TICKETS				
<input type="checkbox"/> Reception on Sunday	Student W/ID	QTY _____ @ \$20	All Others	QTY _____ @ \$25
<input type="checkbox"/> Plenary Luncheon on Monday		QTY _____ @ \$25		QTY _____ @ \$30
<input type="checkbox"/> Awards Luncheon on Tuesday		QTY _____ @ \$30		QTY _____ @ \$40
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		QTY _____ @ \$40		QTY _____ @ \$50
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TOTAL REMITTANCE (U.S. DOLLARS ONLY) \$ _____

Make Checks/Bank Drafts payable to IEEE Southeastcon'94 or enter Credit Card Information:

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IMPORTANT: No refund for cancelled registration received after 3/1/94. \$25 fee for returned checks.

contact me. It is my hope that Sections Leaders will review this brochure and be inspired to sponsor similar activities for their members.

2) Distinguished Lecturer Program - Several of IEEE's Technical Societies sponsor nationally prominent speakers who are available to speak before local Chapters. The cost to the Chapter is modest, with the Society and the Speaker's employer frequently paying a substantial portion of the Speaker's expense.

In addition, the Committee encourages each Section to submit nominees for Awards sponsored by the Institute's Educational Activities Committee as well as those Awards sponsored by Region 3.

3) Region 3 Video Library - Videoconference tapes are available from the Region 3 Library without charge. A phone call to me will bring you a copy of our recently updated catalog. This update includes the eight new tapes that were added during David Conner's tenure as Director of Region 3.

MEMBERSHIP DEVELOPMENT

James M. Howard

As incoming chair of the Region 3 Membership Development Committee I want to ask for everyone's help to increase the number of members, Senior Members, Fellows, and Student Members in our Region. It is up to ALL of us to work on recruiting new members, maintaining our existing members and elevating existing members to the highest level possible (i.e., Senior Member, Fellow Member, etc).

In addition to the above, we will be targeting members going into arrears. We need to determine why these member left IEEE and what we can do to retain them.

At our Region 3 meeting on December 4, 1993 in Miami, the committee came up with several goals for 1994. These will include:

1. PROVIDE CONDUIT FOR MD QUESTIONS/INFO TO HEADQUARTERS.

2. HAVE AT LEAST ONE MD REPRESENTATIVE FROM IEEE HEADQUARTERS AT THE REGION

3 SOUTHEASTCON.

3. MAIL SECTIONS CURRENT LISTS OF ARREARS MEMBER.

4. CREATE ONE PAGE HAND-OUT—"WHY SHOULD I JOIN IEEE".

5. HAVE ALL ELIGIBLE MEMBERS OF THE R3 EXCOM BECOME SENIOR MEMBERS.

6. CREATE MENTORS, TEAMS, OR POOLS OF SENIOR MEMBER TO HELP OTHERS. COMPLETE PAPER WORK NEEDED TO BECOME SENIOR MEMBERS.

7. PROVIDE MEMBERSHIP PROMOTIONAL ITEMS AT LOW COST FOR ALL SECTIONS. (i.e., IEEE Koozies, Pens, etc.)

8. CREATE A MEMBERSHIP DEVELOPMENT (MD) NEWSLETTER FOR THE SECTIONS.

If you have other ideas or suggestions for the MD committee, please send them to me at the address in the directory at the end of this newsletter.

STRATEGIC PLANNING

Robert S. Duggan, Jr.



As the members of the Region 3 Strategic Planning Committee are all past Directors of Region 3, their many years of experience and dedicated service to Region 3 and IEEE are of great value to the Region. This committee thus provides a major resource for the Director and the Executive Committee. The first meeting in 1994 is set for 4 February in Louisville, KY. Key goals and objectives will be finalized at that time.



STUDENT ACTIVITIES

Charles E. Hickman



The Student Activities Committee has developed a number of initiatives that, when implemented, should benefit our students. The Branch Mentor program has been established and a brochure describing the duties of this position is available from IEEE Headquarters. Please encourage your section to take this opportunity seriously by appointing mentors for your branches and notifying me of such appointments. Establishment of the Outstanding Student Design Award, which is a local Student Branch level award consisting of a certificate prepared by IEEE Headquarters, was recently approved. A trial Branch Leadership Workshop to be conducted in Region 3 includes two components: (a) training a selected group of "trainers" at SoutheastCon '94 and (b) dividing the region into four geographical areas and conducting a training session in each area during Fall 1994. It is hoped that this workshop will become a standard for all other IEEE regions.

Other items under review within IEEE include establishing an Outstanding Student Branch Award, sponsoring an International Student Paper Contest and including Potentials in the recent graduates package for two years after graduation. Also, RAB is considering the production of a Resource Officer Orientation Training (ROOT) module for Student Branches.

Florida International University (FIU) will host the 1994 Student Conference in Miami in April. The FIU students are working diligently to ensure the success of the conference. For example, a videotape "Miami Movie" will be distributed to all Student Branches as an adver-

tising medium. A number of exciting activities have been planned and we would appreciate your support for and participation in the Student Conference.

EMPLOYMENT ASSISTANCE

Dick Riddle



USAB Employment Assistance Committee (EAC) Activity. At the USAB EAC meeting on October 9, 1993 at Chicago, IL, several items of interest to our members who are seeking employment assistance were discussed and committee action taken.

Job Bank USA

Job Bank USA, which is a software driven employment assistance service which would match member resume qualifications and employer needs, made a proposal to IEEE to become an Associate Partner. The Committee had previously reviewed and commented on the proposal. EAC Chairman John Martin, MAC Chairman Bill Middleton, and USAB MAC Staff Bill Anderson reported on their meeting with Job Bank USA. Following the report the Committee voted to proceed with the negotiations. At the November meeting of the United States Activities Board, the EAC was urged to proceed promptly to implement the agreement with Job Bank USA. Subject to IEEE approval, publicity about this service will be forthcoming shortly.

Job Listing Service Via IEEE E-Mail

As reported in the Fall 1993 issue of the IEEE Region 3 Newsletter, a proposal to offer an IEEE Job Listing Service which had been previously approved by

the Committee was reported on at this meeting. Chairman Martin reported that very little progress had been made on establishing the IEEE Job Listing Service. The lack of progress was largely due to the shortage of staff time available to develop the software to establish the Service. Dick Riddle volunteered to proceed with preparing job listing information for the Job Listing Service with the intent that it be turned over to the Staff in the future for operation. This item was discussed at the November meeting of the USA Board. Concern was expressed about the cost of both staff and computer time that would be required. The EAC was urged to proceed promptly but to try to make the Service self-supporting. Your Region 3 member of the EAC strongly supports the Job Listing Service and believes that it is much needed by our IEEE members, particularly in view of continued down sizing of major U.S. cooperations which employ our members.

SPECIAL REVIEW COMMITTEE

Daniel W. Jackson



ATTENTION - PAST & PRESENT COMMITTEE CHAIRS - The IEEE Policy and Procedure 9.13 calls for a periodic review of all the Institute level committees and even the various boards such as the Standards Board, the US Activities Board, the Technical Activities Board, and many others. In line with this policy and the underlying philosophy of a periodic outside review, the Region 3 Operations Manual calls for a review of each of the Region 3 standing committees every four years. In 1994 the Conference Committee, the Educational Activities Committee, and the Membership Development Committee will be reviewed. The review criteria specifies that the Review Committee shall delve

into the effectiveness, continued need, policies, procedures, action, composition, budget considerations, and any other aspects of the committee being reviewed as appropriate.

Specifically, for each committee, the objectives, responsibilities, and structure will be examined. Additionally, the review will look at the schedule for completing goals and objectives, and any training sessions/workshops or short courses held. Also included are the committee membership, nominations of Region 3 members for awards, and any special projects. Of course, the committee finances will also be examined. The review committee will be looking at the functioning of each of the committees over the past four years. Past committee chairs should be sure to pass on to their successor all past records, and present chairmen should ask for them.

Many may look at the review process as a criticism of a committee and its operation. It is not that at all, but an opportunity to find ways to improve the operation and provide even greater service to our members. After the review committee makes its report, the reviewed committee has the opportunity to respond, and both reports are submitted to the Director. The only way improvement will be made is for the chairman of the standing committee to incorporate recommendations from the review committee into the committee operation.

EARLY WARNING - The Public Information Committee and the Strategic Planning Committee will be reviewed next year.



IEEE

SOUTHCON/94: YOUR SHOW

Jim Howard, Chair, Southcon/94 Sponsor Publicity

Southcon returns to the Orange County Convention Center in Orlando, March 29-31, 1994. As one of the Southeast's largest electronic exhibition and conferences, Southcon is one of the most important industry events in our Region.

Because Southcon is YOUR show — IEEE Region 3 and the Florida Council are major sponsors (owners) of Southcon — it is in YOUR members best interest to make it the most successful event possible. Region 3 utilizes the funds received from Southcon to help defray costs associated with supporting the 45 plus IEEE Section in the Region. By helping to support Southcon, you are in fact helping to avoid an increase in the Region assessment portion of the dues every IEEE member in Region 3 pays.

There are many ways you can help promote Southcon. Distribute Southcon information, including registration cards, at Chapter and Section meetings, or run articles about the conference in your newsletters.

Another way to help promote Southcon would be for you to encourage your members to become Southcon "Ambassadors," who will distribute registration materials and other Southcon information at their companies and other industry gatherings. Become an Ambassador yourself! To become an Ambassador, or to get additional brochures and flyer about Southcon, contact James Sakamoto at the Southcon office at 1-800-877-2668 ext. 222, or by fax at 1-310-641-5117. Talk to your boss about Southcon/94 and get his agreement for you to attend. Maybe you can even get your boss to go as well.

Let's work together to make Southcon/94 an overwhelming success and to make it a significant benefit to the Region 3 IEEE members and to the industry.

About Southcon/94:

The theme for Southcon/94 is "Connecting with Tomorrow's Markets," and the show promises to be one of our most exciting in recent years. For the first time, Southcon will present a Computer Technology Showcase, highlighting the latest in evolving technologies, including Computer OEM Systems and Subsystems, EDA Tools and Software, Programmable Devices and Local Area Networks. Of course, the exhibition will also feature hundreds of product demonstrations from manufacturers of semiconductors and passive components, test and measurement equipment and instruments, and manufacturing materials and services.

The Southcon product exhibition will be supported by a full Technical Conference that will provide attendees with new, state-of-the-art information, and identify future trends in the electronics industry. A Call for Sessions and Papers has already gone out, and two-hour technical sessions are being developed in a variety of focus areas, including Recent Technological Advances, Applications, Systems and Engineering. In addition, a conference record containing all the technical papers will be published.

In addition to product exhibits and technical presentations, Southcon/94 will present a special Keynote Panel discussing exciting new technologies and projects that will have a major impact on industry throughout the state. Invited panelists are Allan Gregg, Rockwell International, Rocketdyne Division, speaking on The Space Station Freedom; William Young, Florida Solar Energy Center, speaking on Electric Vehicles; Thomas Jahns, GE Corporate R&D, speaking on Recent Advances in Power Electronics and Applications; Dr. James Bezdek, University of West Florida, speaking on Applications of Neural Networks; and Dr. Marion Soileau, University of Central Florida, speaking on Recent Advances in Fiber-Optic/Lasers.



Southcon /94

Connecting With Tomorrow's Markets

The Southeast's largest exhibition and conference for design engineers and electronics purchasing professionals returns to Orlando, Fla., March 29-31, 1994, with products and technical information to meet your professional needs:

Hundreds of live product demonstrations from manufacturers and suppliers of semiconductors and passive components; test and measurement equipment and instruments; and manufacturing materials and services

New Computer Technology Showcase, highlighting the latest in Computer OEM Systems and Subsystems; EDA Tools and Software; Programmable Devices and Local Area Networks

Idea-generating technical sessions focusing on Recent Technological Advances, Applications, Systems and Engineering

Special Keynote Panel discussing exciting new technologies and projects that will have a major impact on industry throughout the state. Scheduled topics include *The Space Station Freedom, Electric Vehicles, Recent Advances in Power Electronics and Applications, Recent Advances in Fiber-Optics/Lasers, and Applications of Neural Networks.*

Sponsored by Region 3, Florida Council, IEEE ♦ and Sunshine Chapter, ERA ☛

Don't Miss Southcon/94
For more information, call 800-877-2668

March 29-31, 1994
Orange County Convention Center
Orlando, Florida

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WINSTON-SALEM SECTION

IEEE CALENDAR OF EVENTS

February

5-6 Louisville, KY
IEEE Region 3 ExCom
Meeting

13-17 Orlando, FL
IEEE Applied Power
Electronics Conference
and Exposition

14-18 Kissimmee, FL
IEEE Network
Operations and Mngment
Symposium

March

29-31 Orlando, FL
SouthCon '94

March

29-31 Atlanta, GA
IEEE National Radar
Conference

April

10-13 Miami, FL
SoutheastCon '94

May

1-5 New Orleans, LA
ICC/SUPERCOMM'94
Intl Conference on
Communication

June

26-29 Lake Buena Vista, FL
IEEE International Fuzzy
Logic Systems
Conference

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BEYOND E-MAIL

by Dan Koch

This may seem like a strange title for the first article by your new e-mail coordinator, but it underlines the great job done by Dave Green in establishing a viable e-mail base in Region 3. Now that many individual members, sections, and branches have established e-mail aliases, it is becoming possible to think ahead to other services like list servers and databases. In the near future for example, it may be possible to receive this newsletter electronically. This was one of the goals discussed at the December ExCom meeting in Miami. Of course the main task still remains to get all of the other sections and branches to establish e-mail contacts.

The e-mail committee is determined to find inexpensive means for all Region 3 members and entities to get connected. Many of the sections have already heard from me and rest will shortly. The goal of all of these efforts is to improve communications among our members. If you have ideas along these lines, please contact me.

For those of you I have not met, I have extensive experience with e-mail and other computer communication services from my 10 years in industry and 7 years in academia. On a weekly basis, I use the Macintosh, DOS, Windows, and Unix operating systems. I am also familiar with Vax mail and Profs/Office Vision. Hopefully I can bring all of this experience to bear on helping you and your section establish e-mail and other services. It is an exciting time to get involved as the "information highway" becomes a reality.



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