



# IEEE Region 3 Newsletter

Volume 11, Number 1

Winter 1996

## DIRECTOR'S MESSAGE

*Jim Beall*



A HAPPY AND SUCCESSFUL  
NEW YEAR TO ALL.

Yes, it is the start of a new year and a new Region 3 Director for 1996-97. While the director is new, many of the ideas and routines from previous years will continue, because they work.

Work of the 1996 Region 3 Committee has started. The first Executive Committee (ExCom) meeting will be in Memphis, February 3 and 4, 1996. You will find reports and comments from its members in this newsletter.

A BIG welcome to the 1996 Region 3 Committee and its ExCom. Elsewhere in this newsletter, you will find a listing of Region 3 ExCom members for 1996. Some of the names and faces will be familiar, but many are new. It will be the new person that gives us much of the direction from the grass roots that we need to hear and heed. The new and old will blend because it is consensus that moves us forward.

All directors come with goals or views of the future. One goal, to increase

total membership, has many subparts. The main thing needed is to improve and increase service to the members. We need to have Active Sections providing service to our members in a variety of ways. One thing is to present interesting, well advertised, regularly scheduled section/chapter programs to peak members interest.

In the field of continuing education, we have a long way to go. I am not sure our members know what is really available to them from the Educational Activities Department at Piscataway. It is possible that the Institute may need to better access member desires. We need to improve our educational contact at the section level. So you can see, the Educational Activities Chair for the region is going to be busy.

The Institute gains about 40,000 new members each year, but loses that many mainly through non-renewals. Once we get the Pink Disks, the electronic equivalent of the old pink sheets, back we will need to start working on these arrears members, urging them to become active again. To do this, we will have to present an attractive package of benefits, such as those in the IEEE Financial Advantage Program in addition to the technical programs mentioned earlier. This will require work by many at the grass roots section level.

Employment Assistance will continue to be a large part of the region's activity. Times have not radically improved. We still have members being laid off or in precarious positions. There are active plans to increase the size of the employer data base. It can be reached at "empaccess.r03@eng.uab.edu"

The Organizational Improvement you heard so much about in 1995 is still

around, but to a somewhat lesser degree. The IEEE Board of Directors did not accept either of the two final plans presented. It did vote to consider some changes to the existing organization, using some of the ideas presented during 1995. The exact status is to be determined by the 1996 Board. More information as it becomes available.

As I have said before, the Sections are the IEEE entity closest to the member.

(continued on Page 2)

## Contents

Director	1
Director-Elect	2
Secretary	2
Treasurer	2
Virginia Council	3
Area 3	3
Tennessee Council	4
Area 6	5
Awards and Recognition	5
Conferences	5
SoutheastCon Schedules	5
Membership Development	6
Professional Activities	7
Public Information	7
Strategic Planning	8
Student Activities	8
Student Representative	8
Communications	9
E-Mail	9
Leadership Development	9
Nominations and Appointments	9
SoutheastCon '96	10
Region 3 Electronic BBS	11
Region 3 ETI Database	12
RABFacts on Demand Service	13
Membership Development Tools	13
Sections Congress '96	14
Region 3 Directory	15
Gov't. Relations via the Internet	16

It will be the Section Chairs' chance to report and comment in the April 13 and 14 Region 3 meetings at Southeastcon '96 in Tampa. Details are inside the newsletter. Plan now to be there. I really want to see every section have its chair or representative at the region meetings. At the same meeting, there will be a meeting and workshop for the section PACE Chairs.

Thank you for your response in getting all your reports in to Piscataway. Region 3 received a No Delinquent Sections in the fall status reports. This is the first time in known history any region has accomplished this. Let's do it again. The February deadline for section meeting, financial and officer reports is just a short time ahead. When you meet the deadline your section will get a 10% bonus added to its rebate.

We are off and running. It is going to take all our and your effort to reach the pot of gold at the end of the IEEE rainbow. Let us run the race together.

## DIRECTOR ELECT'S REPORT



*Dale Caston*

Surely each of you had a great holiday season with friends and family. As your new and first ever Director-Elect for Region 3, I want to thank you for the support and confidence that has been shown to me. It will be a pleasure to work with Director Jim Beall and all the other fine IEEE members who serve on the various committees and offices of this Region. Many of the committee chairs spend long and tedious hours doing dedicated tasks to make Region 3 one of the best Regions in the country. I am sure this same dedication will continue in future years.

This is a reminder to the Sections to make sure that all year end reports are

submitted to IEEE Headquarters by the due date, February 1, 1996, in order to receive a 10% bonus on the section rebate. The above date will allow the officers to be published in the next issue of the IEEE Organization Roster.

If I can assist you to make your job easier during my term, please let me know. Sometimes it helps just to talk a problem over with someone else to clarify obstacles and opportunities. Together we can go forward.

## SECRETARY'S REPORT



*Cullen Wright*

As others have already said - HAPPY NEW YEAR ! Hope all of you had a nice holiday season!

So now we start a new two year program or continue earlier ones with new twists or a combination of these. However, we need to retain some of the old "rules" such as getting reports into region on time (preferably via e-mail), getting your sections to send new officer reports, getting the infamous year end treasury reports in to Headquarters by February, etc. All those things a secretary is supposed to push. We want to continue our effort on using e-mail as much as possible. For those new members on EXCOM but not on e-mail, please

consider joining up soon. Well, I am glad to be back on the EXCOM, and am looking forward to a good tour. Hope to see all of you in Memphis!!!!!!!!!!!!

## TREASURER'S REPORT



*Reed Thompson*

As a result of careful and prudent financial management of the Region 3 resources by the 1995 administration, Region 3 begins the 1996 year in sound financial condition with sufficient funds to continue to support the activities and needs of the members in the region.

At the time of this writing (mid December 1995), the final numbers for 1995 are not yet firm. However, with reasonable expectations, the forecasted summary of our financial condition is shown in the adjacent table, along with the present forecast for 1996.

1995 income exceeded the budget primarily due to favorable experience from SouthCon and SoutheastCon as well as more interest income on our Long Term Savings that expected. These items more than offset the less than expected income from the annual rebate from the Institute.

The 1995 expenses were less than budgeted due to frugal use of funds by several Committee Chairs and by less

### IEEE Region 3 Budget Update

	1995 Budget	1995 Forecast	1996 Forecast
Funds on hand (Jan. 1) \$	188,817	188,817	167,041
Income	99,538	107,659	111,200
Expense	138,069	129,435	144,500
Funds on hand (Dec. 31)	150,287	167,041	133,741

than anticipated expenditures for several major planned projects. These savings were more than sufficient to offset significant over budget expenses for non-student travel and regional office expenses.

## VIRGINIA COUNCIL

*Sam Harris*



The Virginia Council has had good attendance this year with productive discussions of section problems and objectives. Emphasis continues on engineers careers due to the downsizing of companies, particularly in the defense industry of which Virginia has a large share. Taking action on this concern, the Hampton Roads Section has developed plans for a career workshop in Williamsburg on February 8. We concluded at the December council meeting that a second workshop should be held to serve the western part of the state.

The idea of a set of requirements being established for IEEE president elect was discussed and it was the consensus of the council that a record of leadership activity at the section and chapter level should be a mandatory requirement, with a strong background in the practice of engineering being highly desirable. We agreed to take this up in our respective sections. Perhaps all sections of IEEE should give this idea some consideration.

With the coordination which we have established with the Northern Virginia Section, we have started the implementation of our legislative agenda program by sending a letter to each member of the General Assembly to introduce the members of the council and provide some description of IEEE. Also, the Richmond section with the help of Northern Va. is starting the program for advanced math and science in a high school early next year. Taped lectures will be used extensively. These tapes are available to any

section interested in the program.

All sections have made a good start this fall with regular meetings. Programs included such subjects as HDTV standards, the recent advances in lasers and fiber optics, inertial navigation and global positioning, and cellular communication equipment manufacturing. From the section plans reported enthusiasm seems good and we expect the coming year to be very successful.

## AREA 3 (GEORGIA)

*Bill Harrison, Jr.*

### *Atlanta Section*

The Atlanta Section, in partnership with AT&T, the Business & Technology Alliance (B&TA), and the Georgia Center for Advanced Telecommunications Technology (GCATT), sponsored Success in Cyberspace - All-Stars of the Information Age at Symphony Hall, Woodruff Arts Center. Hosted by AT&T Chairman/CEO Robert Allen and Atlanta Committee for the Olympic Games President and CEO Billy Payne, the event gathered both the established leaders and new influentials of Cyberspace in a forum designed to foster a vigorous exchange of ideas. Participants shared insights on success in delivering the benefits of information technology and looked ahead to what skills will be needed to build on that success in Georgia's future. Success in Cyberspace - All-Stars of the Information Age was held Friday, October 20, 1995 as a part of Georgia High Tech Month. The event was broadcast throughout Georgia via the Georgia Statewide Academic and Medical Systems (GSAMS) network, the largest distance learning network in the world.

Atlanta Section Officers for the calendar year 1996 are: Chair, John Buck, Georgia Tech; Vice-Chair, Dave Kettler, Bell South; Treasurer, Nan Jokerst, Georgia Tech; Secretary, Al Gasiewski, Georgia Tech.

### *Central Georgia Section*

The February Section meeting was

held on the campus of the Warner Robins Air Force Base. The program consisted of a presentation and facility tour by the staff of the Defense Megacenter, one of 16 megacenters that have consolidated from 194 original information processing centers in the United States. There are nine mid-tier computers and five mainframes, all protected by a "Tempest Shield". The total electrical service required is 2,500 kVA. The March meeting included a presentation by Lisa Tidwell, Electric Vehicle Research Center Coordinator for Georgia Power in Atlanta. Her topic was Electric Transportation at Georgia Power. The featured speaker for the April meeting was David Priester of TRW. He lectured and showed a video tape on ethics. The discussion was lively and highlighted the fact that all ethical issues are not black and white. A demonstration of the vehicle designed by two Mercer IEEE students, Matt Hortman and Thor Johnson, for the IEEE SoutheastCon student competition was also provided. This project was one of the student projects partially supported by the Section. Wayne Ingram was the speaker for the May meeting. He is a Senior Hardware and Lead Engineer for Ball Systems Inc. located in Warner Robins, GA. His topic was on the redesign and fabrication of hybrid circuits in F-15 radar system that have obsolete parts. The June Section meeting featured two speakers, Al Richardson and D. Keith Mills. Their topic was Statistical Process Control in the Workplace. They used The Engelhard Corporation, a kaolin producer, as an example of how statistical process control is used in their day to day operations and how it is used to accomplish a high quality product. John Schaefer, an electrical engineering faculty member at Mercer and the main advisor for Mercer's entry into the Solar Powered Car Race 1995, was the featured speaker. He discussed terrestrial photovoltaic systems, as well as giving an end-of-race summary into how the Mercer Team did in the competition. Mercer's car finished 28 out of 38 cars. Mercer's



solar car was also partially funded by the Central GA IEEE Section. The September meeting was held at the site of Gegelec Automation located near the Macon Municipal Airport. Locally, Gegelec produces AC and DC motor drives for large (greater than 1000 hp) motors. Attendees had an overview of the company and their product as well as a tour of the manufacturing facilities. The October meeting's featured speaker was Philip Olivier, an electrical engineering faculty member at Mercer. His presentation was on fuzzy logic controllers and some of the available fuzzy logic tools. A software demonstration of backing up a truck to a loading dock was given. Johnny Jones from Southern Bell give the presentation at the November meeting. His topic was optical fiber to the home. The current status and the near-term plans for the Macon area were discussed.

### *Savannah Section*

The section sponsored two half-day seminars on the Internet. The June seminar was attended by about 50 people. The other was held in October in conjunction with the National Association of Technology Educators Annual Convention in Savannah. Slowly the membership is getting connected electronically. The Section is trying to spread the meetings around geographically between Savannah, Hilton Head Island and Statesboro. One of the Section's biggest challenges continues to be attendance at the meetings which averages between 15 and 20 members. The Savannah Section would like to create a presence on the World Wide Web but do not have access to an inexpensive server. If this type project is something that Region 3 could support and coordinate, the Section would maintain the home page. It would be helpful if other sections that have addressed these issues/problems could share their expertise. The greatest challenge is getting the membership involved in the Activities of the Institute that can and do have a profound influence both on the technology and individual careers.



## TENNESSEE COUNCIL

*Billy Allen*



As the newly-elected Chair of the Tennessee Council, I am looking forward to working with the seven Sections within our boundary as well as the Region 3 leadership as we continue to serve our members. One interesting aside is that the Council membership not only includes those in Tennessee but also parts of seven surrounding States.

At this time I would like to thank my predecessor Hugh Lowe for his leadership during his term of office. Milestone accomplished during 1995 include revision of the Council Bylaws, development of the 1996 Council budget, and holding two successful Council Committee meetings.

In 1996, we will have at least two Council Committee meetings and provide New Officer's Training to each of the seven Sections. We will be soliciting ideas from Region 3 in an effort to better serve our membership.

## AREA 6 (AL AND MS)

*Perry Wheless*



It is both a pleasure and honor to assume the duties of Area 6 Chair, and I look forward to working with the Sec-

tions and Subsections in Area 6, as well as the Region 3 administration. This Newsletter column serves as an outlet for reporting recent developments in Area 6, and invites outside contact with Area 6 officers for the purpose of sharing experiences and expertise. With the recent departures of Baton Rouge and New Orleans from Region 3, Area 6 now has four Sections - Alabama, Huntsville, Mississippi, and Mobile - and two Subsections - Montgomery and Northeast Mississippi.

Attendance and activity in the Alabama Section remains high. Chairman Darrel Piatt (205-250-4222) was one of two featured speakers at an October S-PAC conducted by the Auburn University student branch. The S-PAC was attended by approximately 100 students. IEEE President Wallace Read addressed an audience of 80 members and spouses at the December meeting of the Alabama Section in Birmingham. The Montgomery Subsection (Chair Jim Tomlin, phone 334-416-1416) is grappling with the difficult task of meeting attendance improvement, and Jim would welcome any constructive suggestions.

Donna Jean Barker (205-726-1945), Huntsville Section Chair, projects an attendance of approximately 25,000 at the IEEE Computer Fair scheduled for February 2-3, 1996. You are invited to Huntsville for this major Section event. Also, the Huntsville Section is co-sponsor (with UAH and others) of the Information Currents '96 convention, upcoming June 3-5, 1996. After their September kickoff meeting, Mobile Section Chair Alex Abraham (334-470-4000) reports an average attendance of 40 for the October and November technical program meetings which, respectively, featured speakers from International Paper and QMS Products & Technology.

In addition to Jackson meetings, the Mississippi Section went on the road to Starkville for a joint meeting with the Northeast Mississippi Subsection in October. Chair Lisa Secrest (601-961-3362) reports that the Section has completed a major update of the Section Bylaws, and that the 10% rebate bonus for early report filing with IEEE HQ is an effective incentive! The Northeast Mississippi Subsection (Chair John Simpson, 601-325-2184) has found plant trips to local industries to be an effective activity, and has made

three trips during the past year. Also, the Subsection actively supports the Mississippi State University student branch through two joint meetings annually.

Several points of concern were raised by Section/Subsection officers as they were canvassed to prepare this report. More details of these issues will appear in future Newsletter installments, as space permits.

To all our colleagues in IEEE Region 3, we in Area 6 extend our best wishes for good health and prosperity in 1996!

## AWARDS AND RECOGNITION



Charles Hickman

It will be difficult to follow in the steps of Allan Long; he has recently updated the Awards and Recognition Manual and guided well the selection process for our regional awards. I request the support of each of the EXCOM members, Area/Council members and all Section members as we identify worthy IEEE members for appropriate recognition. Region 3 has many members who should be nominated for each of our awards; Outstanding Engineer, Outstanding Engineering Educator, Outstanding Service and Professional Leadership. To be recognized and nominated is an honor; to win an award is "icing on the cake." We owe it to our fellow engineers to get involved in the nominating process. Also, each Section should strive to be selected as an Exemplary Section. I look forward to continuing to work as an IEEE volunteer with a new challenge and opportunity.

It was a pleasure to serve as the Student Activities Committee (SAC) Chair for four years. Pat Donohoe will appreciate your advice and assistance as he assumes his responsibilities as the new

SAC Chair. I am certain he will do an outstanding job.

## CONFERENCES



David Green

The tentative goals for the 1995 Conference Committee are: Support Region 3 conferences, work with sections to develop meaningful bid packages, finish the new edition of the Region 3 Conference Guide, consider tracking systems for conferences, and develop a "Region 3 Conference Capabilities Manual".

### SoutheastCon '96

Plan to attend Southeastcon '96 in Tampa Florida on April 12-14, 1996. Jim Howard and his hardworking crew are planning a nice conference with Technical Program, exhibits, the Region 3 Student Conference and tutorials. By the time you read this, the technical conference proceedings will be finalized and you should be sending in your early registrations. Please note that we are experimenting with a new format for Southeastcon next year. We have compressed the events associated with Southeastcon '96 into 2-3 days across the weekend. We hope that attendees will

find this change beneficial. Whether you do or do not like this approach, please participate and let us know how to serve you better.

Plans are still being finalized for the first ever "weekend" Southeastcon which will be held in Tampa Florida on April 11-14, 1996. They are presently reviewing over 170 papers received for this conference and are planning the many paper, panel, and tutorial sessions that will be held. Papers have been received from all over the world, including Australia, Canada, China, Egypt, Greece, India, Jamaica, Korea, Saudi Arabia, Venezuela, Iran, and the U.S.A. Before it is over, there should be representation from every continent, with perhaps the exception of Antarctica! Who said Southeastcon '96 is a Regional conference?

Social functions are also being finalized with an Awards Luncheon on Sunday and a Dinner Theatre on Saturday. A "Partners" program is also being planned, so plan on bringing the entire family and having a wonderful weekend in Florida.

Part of the conference is the Region 3 Student Conference, which features a number of exciting events. The Hardware contest is well underway with many, many, questions coming in about the particulars of the contest. The latest revision to the rules, along with a newsletter went out at the end of last year and all Student Branches should have received them. (If not, please send an e-mail to Duvall@suntan.ec.usf.edu, and she will send you a copy). The rules are also posted on the World Wide Web at <http://www.eng.usf.edu/EE/>

## SoutheastCon Schedule

Conference	Date	Host Section/Branch	Conf Chair
Southeastcon '96	4/12-4/14	Fla West Coast/USF	Jim Howard
Southeastcon '97	4/11-4/14	Virginia Mtn/VA Tech	Russell Churchill
Southeastcon '98	3/28-4/01	Orlando Section	Parveen Wahid
Southeastcon '99	<<to be decided at Region meeting in Tampa, 4/96>>		

## SoutheastCon E-mail Contacts

Conference	General Chair	Student Conference
Southeastcon '96	<a href="mailto:j.howard@ieee.org">j.howard@ieee.org</a>	<a href="mailto:sb.usf@ieee.org">sb.usf@ieee.org</a>
Southeastcon '97	<a href="mailto:arcova@bev.net">arcova@bev.net</a> (*)	<a href="mailto:sb.virginia.tech@ieee.org">sb.virginia.tech@ieee.org</a>
Southeastcon '98	<a href="mailto:pfw@enr.ucf.edu">pfw@enr.ucf.edu</a>	<a href="mailto:rfd@enr.ucf.edu">rfd@enr.ucf.edu</a>

(\*) Be sure to mention that the e-mail is for Russell Churchill.

secon96.html.

The Software contest is also well underway. The latest newsletter contained a general outline of the contest and we plan to have the final information out within a few weeks. The contest is based on the popular card game, poker and will require the teams to write a program to play against the dealer.

The Region Conference is the third part of Southeastcon's program. The conference organizers are in constant contact with the Region Director planning for an outstanding Region meeting and conference. Many of the functions mentioned above will also be enjoyed by the Region Committee attendees. Plan now for your Section to have a representative so that the goal of having 100% representation can be achieved.

If you have any general questions about the conference please contact:

Jim Howard  
SEC 96 General Chair  
Tampa Electric Company  
System Development - PL4  
P.O. Box 111  
Tampa, FL 33601  
Phone: (813) 228-4653  
Fax: (813) 228-4458  
Email: j.howard@ieec.org

### *SoutheastCon '95*

Southeastcon '95 was an exciting conference. Charles Lord, his conference committee, the Eastern North Carolina Section and the North Carolina State Student Branch hosted a fine conference in April. Thanks to all who worked to make this event a success!

The awarding of Southeastcon '99 will be an action item for the Region 3 meeting in Tampa next April. Those sections planning to make proposals should contact the Conference Committee Chair to discuss the proposal process and to make your interests known. Additionally, any section planning to propose to host a conference more than three years out (2000 or beyond) must, by Region bylaw, send a letter of notice of intent to bid to all Sections at least 120 days in advance of the Region meeting (April 19 or 20, 1996).

The conference committee is interested in working with sections to develop bids for future Southeastcons. Please

contact David Green, R3 Conference Chair.

### *SOUTHCON*

Region 3 has a major electro-technology show with technical sessions and product exhibitions which it sponsors with the Florida Council and Electronic Representatives Association. Southcon/96 will be held in Orlando, Florida on June 25-27, 1996 at the Orange County Convention Center. Southcon/97 will probably not be held in Fort Lauderdale. The location for '97 is still to be determined, but may be in North Carolina or another part of Region 3.

### *Thank You!*

This newsletter spans the tenure of the 1995 and 1996 Conference Committees. I would like to thank the 1995 Conference Committee for their efforts. I would especially like to thank Osama Mohammed who served as Vice Chair and who has moved the production of the new Region 3 Conference Manual along.

### *Other Items*

We are expanding the Region 3 Conference Committee in 1996 to include corresponding members in all areas and councils. The NC Council and Florida Council will be represented by the NCSE '96 Chair and the Florida Council's senior representative respectfully. Area and Council Chairs are being asked to name these corresponding members to our committee. If you have an interest in serving, please contact the Region 3 Conference Committee Chair and/or your Area/Council Chair. Contact information for these people are elsewhere in the newsletter.

If your section has a conference please send information on this conference to the Region 3 Conference Committee chair. We would like to create a list of all the conferences that are planned in our region to enhance communication with and service to region members.

Finally, there are a couple of institute level opportunities with regards to conferences that are available. First, the Financial Department has prepared a

collection of forms (both paper and electronic) and associated guides for use in managing conference finances. Electronic versions are available for use with Lotus 123 and Quicken. Second, the IEEE program called Book Broker desires to buy proceedings from IEEE-sponsored conferences. The program commits to purchasing conference proceedings prior to the conference. Southeastcon and Southcon proceedings are both available through the Book Broker program but there are many Section conferences that are not yet participating.

## **MEMBERSHIP DEVELOPMENT**



*Jim Howard*

Has your Section got an Membership Development (MD) Committee Chair? If not, why not recruit one of your members for this position now? We need to continue to pro-actively recruit new members, both at the various member levels and at the student level. An MD chair can make a difference in this recruitment. They can answer questions from prospective new members, put together membership articles for your newsletters, help the students with their membership programs, plan membership drives with special incentives for current members to help get their friends who are not presently members to join.

An MD Chair is a valuable tool that every Section should have, so why not recruit one for your Section now. And, if you already have one, talk with them about putting together some of the previously mentioned plans. If your MD Chair, or anyone in your Section, has questions about things the MD committee can be doing, or about membership in general, please have them contact me.

## MD Tools

We keep adding to our list of Membership Development "Tools", and our latest edition is the IEEE Mouse Pad. Many of the MD Chairs have asked that we get this for their use in membership recruitment, and we were finally able to find a supplier who could provide them at a reasonable cost, which is \$2.00.

On page 13, you will find an order form for the many MD items we now have available for use as recruitment tools. These items can also be used as awards and as speaker gifts.

## PROFESSIONAL ACTIVITIES



*Dick Riddle*

### *It Ain't Over Yet*

Just when we think that the trend of unemployment for our members has bottomed out, and we start believing the propaganda put out by Washington and the media about how robust the economy is, we suddenly are brought back to reality by those little announcements that "it ain't over yet". Announcements like: restructuring, downsizing, plant closings, buy-out, and layoffs at many of our major providers of power, communication, computers, and software make it hard to believe that things have improved that much for our members. Regardless of the terminology used, loss of employment is painful and to some, devastating.

About two years ago, Region 3 decided that it would do more than give lip service in providing help to those members seeking employment. As I become the first past Chairman of the Region 3 Professional Activities Operation (PAO) - Employment Assistance Subcommittee, I find it difficult to move on without saying a few words about what

Region 3 has done to help our members find employment. Two major accomplishments come to mind: the Electro-Technology Industry database (ETI dB) and the Region 3 Bulletin Board System (BBB). These two projects have made Region 3 the national leader of employment assistance services offered to the membership within IEEE. I compliment Deb Powers, Vernon Powers, Lee Stogner, Dave Green and the many others who have worked so hard to make these projects succeed and become a reality. In spite of continued unemployment, I am proud to have been a part of an entity that has taken such an active role in providing employment assistance its members. As I assume the duties of the Professional Activities Operation Committee (PAO), Chairman, one of my goals will be to keep these and other employment assistance initiatives alive, well, and ongoing.

As I understand the role of the PAO Committee, it is to assist the Region in planning, organizing, implementing, and monitoring Professional Activities, to coordinate with IEEE-USA, and to assist the Region in implementing IEEE-USA programs and policies. As I reflect on these words I try to understand what they really mean and wonder why we have a committee to assist the Region in implementing IEEE-USA programs and policies? I get out my copy of the Region 3 Operations Manual part V. COMMITTEES, that I just downloaded from the Region 3 BBS, and reread part A.5 PROFESSIONAL ACTIVITIES OPERATION COMMITTEE. I see a lot of other words like develop, promote, coordinate, ensure, stimulate and encourage. As you can see, I need a lot of help. I get out my copy of the just published (August 1995) PACE LEADERS' HANDBOOK and start my search for why Region 3 needs a committee to help in implementing IEEE-USA programs and policies. I read about the formation and history of professional activities and the United States Activities Board. I look at the structure of the IEEE Boards and the new 1995 USAB Councils and Committees. Then I look at the PAO Committee Structure in the Region 3 Operations Manual. Now I get it. Region 3 is out front again. They create the PAO Committee to act as a conduit to and from the 1995 USAB. One of my goals for 1996 will be to inform and teach

members of USAB and Region 3 "at-large" about the function and responsibilities of Professional Activities Operation Committee.

I am happy to report that many of Regions 3's most capable professional activities members have agreed to serve in the various PAO Committee functions. Don Hill has agreed to serve as the PAO Committee Vice Chairman and will be working very close with the PAO Member Services, Career Activities, Technology Policy and the Awards Chairmen to make sure that USAB is responsive to the needs of Region 3. Lee Stogner will be your PACE Chairman and the individual sections can expect him to keep them abreast of activities that they need to do from a PACE standpoint. Mike Ingram has agreed to serve as the PAO Member Services Chairman and will be our principal interface with the USAB Member Services Council and their activities. David Bower will become the PAO Awards and Recognition Chairman and will be working with the Region 3 and USAB Awards and Recognition Committees to find and recommend deserving candidates for the professional activities awards. Charles Lord will become the PAO Career Activities Chairman and will be our principal channel with the USAB Career Policy Council. Hopefully, by the time you read this article, the remaining committee positions we will be staffed by able and hard working members who will join with me in making all of those words in the POAC charter become accomplishments.

## PUBLIC INFORMATION



*Bob Duggan*

In the past, Region 3 has often been an innovator for the IEEE, and we hope to continue this in 1996. We want to let

the rest of IEEE and the outside world know of our good works. As the new Region 3 chair for Public Information, I solicit inputs from everyone who is interested in keeping Region 3 a leader. I will in turn do my best to help in publicizing our achievements. Your help will also be most welcome.

## STRATEGIC PLANNING

*Roy Harris*



Region 3 is indebted to Bob Duggan for his able leadership as Chair of this committee for the past two years. Under his guidance, this committee (all of whom are past Region 3 Directors) has contributed their extensive experience to many regional activities and projects.

I am honored to Chair this important committee and know that we will have an exciting year working with Jim Beall and our Region 3 EXCOM. We will strive to meet the needs of all members of Region 3 as we move into the latter portion of this century, which has seen so many technological advances in such a short period of time.

The final 1995 meeting of the SPC was held on 4 November. SPC achievements during 1994/5 are summarized:

- o Reg. 3 ByLaws and Operations Manual updated and on-line.
- o Reg. 3 Strategic Plan prepared and on-line.
- o Reg. 3 History completed, contributed to the IEEE History Center and also on-line.
- o SPC members served as mentors to Region 3 committees.
- o Reg. 3 Awards Manual draft reviewed with recommendations.
- o Endorsed Region 3 participation in IEEE's concentration account.

The scheduled review of the SPC is expected to be complete in the near future. Past Director W. L. Sullivan will chair the review committee.

At our February meeting in Memphis, we will develop goals and objectives for 1996.

## STUDENT ACTIVITIES

*Pat Donohoe*



As your new Region 3 Student Activities Chairman (RSAC), the first order of business is to thank the outgoing RSAC, Charles Hickman, for his hard work and dedication in this role over the past few years. Charles' professional manner and his genuine concern for the students of Region 3 have been evident to all who have worked with him. I know I speak for all of the Student Branch Counselors in Region 3 in expressing thanks to Charles for his help in keeping our Student Branches running smoothly. David Lee will continue in his role as Region 3 Student Representative. I look forward to working with David and the rest of the incoming Region 3 Executive Committee

The deadline for nominations for the Larry K. Wilson Regional Student Activities Award is January 31, 1996. The purpose of this award is to recognize annually, in each Region of the IEEE, the student most responsible for an extraordinary accomplishment associated with IEEE student activities. If your Section knows of a deserving student in the Student Branch(s) in your area, please nominate that person. The nominations should be sent to me at the address given at the back of this newsletter.

Be sure and mark your calendars for Southeastcon '96 which will be held in Tampa, Florida on April 11-14, 1996 (See the SECON '96 www home page at "<http://www.eng.usf.edu/EE/secon96.html>"). The University of South Florida Student Branch has been work-

ing hard in preparation for this conference. Please encourage the Student Branches in your area to participate in the student paper competition, the hardware competition ("Pinbull Wizard" - for rules, see the SECON '96 web page), and the programming competition.

## STUDENT REPRESENTATIVE

*David Lee*

I would like to take this opportunity to welcome the new members and greet the returning members of the Region 3 EXCOM. I look forward to the leadership and direction of Director Beall for the upcoming term. In addition, I would like to welcome the new Region 3 Student Activities Chairperson, Dr. Pat Donohoe, on-board.

My report consists of a few items:

- o Branches should be planning officer elections (if they have not already) for the next (1996 - 1997) academic year. A smooth transition always helps the Branch continue to be strong and healthy.

- o The major student event for the year, the student conference at Southeastcon 1996 in Tampa, Florida, is fast approaching. More information will be sent out soon. Hopefully, the latest hardware contest rules will be out by the time you receive this. Plan to be there.

- o The IEEE Regional Activities Board/Student Activities Committee (RAB/SAC) has recently created a Usenet newsgroup called "ieec.students". This newsgroup is dedicated for un-moderated student discussion. Members of RAB/SAC regularly read the newsgroup and will be available to answer questions. Please encourage students to use it.

As always, I am available for questions, concerns/problems, and comments regarding any student activities.





## COMMUNICATIONS

*Brian Skelton*



The Communications Committee was established to facilitate the Region's move toward more effective communications with members and a more cohesive operation at the Region level. The committee is composed of the Newsletter Editor, E-Mail Coordinator, BBS SysOp, Public Information Chair, and any other chair of a special Region 3 communications related project. This newsletter has several columns on our present projects, including the Region 3 Bulletin Board System. The Region also has a Home Page on the WWW, and has personnel available to guide sections in creating their own home page.

It is a busy time in the Communications area in Region 3. There will be a motion at the Region 3 Committee meeting at SoutheastCon in April to make the Communications Committee a voting chair position, with the Newsletter Editor, E-Mail Coordinator, ETI Database Administrator, BBS SysOp, and Public Information Chair within this committee. I welcome comments on what this committee can do to serve our membership better.

## E-MAIL

*Brian K. Swail*

With the new year comes many changes to the structure of committees, councils, areas and sections in the region. Since much of our business is conducted through our mailing lists, it is vital that our lists remain accurate. In an effort to do a little house keeping, I would like to take the opportunity to ask a few questions.

To council, area, and committee

chairs:

What is the address of my mailing list?

Who is on the list?

How do I find out?

To section chairs:

Who is the email liaison for my section?

What is the IEEE email alias for my section?

If your section needs to change email liaisons, send a note to [alias.update@ieee.org](mailto:alias.update@ieee.org) (with a cc: to [b.swail@ieee.org](mailto:b.swail@ieee.org)).

Please contact me if you need any assistance regarding email issues.

## LEADERSHIP DEVELOPMENT

*Cullen Wright*

We would like to see more requests this year for training sessions. There was good interest last year and we hope to increase involvement. For those of you involved at the section, area, or council levels, please do not hesitate to emphasize the importance of training, particularly for the new officers coming up. The training group will attempt to contact all entities this year to set up sessions.



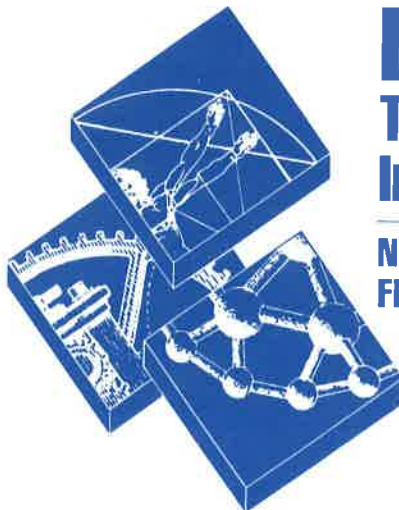
## NOMINATIONS AND APPOINTMENTS

*David Conner*



With the start of calendar year 1996, Region 3 begins the process of selecting the individual that will serve as the Region's Delegate/Director-Elect in 1998 and 1999 and Delegate/Director in 2000 and 2001. Service in the years 2000 and 2001 may seem a long way off, but our selection process requires that the candidates for this office be formally identified prior to the end of this calendar year.

During the month of February, a formal "Call for Nomination Recommendations" will be issued to all members of the Region 3 EXCOM and the Region 3 Committee. Nomination recommendations must be submitted to the Nominations and Appointments Committee no later than April 1. So, it is not too early to begin deciding who you would like to recommend for consideration for this important leadership position. The February "Call for Nomination Recommendations" will include the format to use in submitting your recommendation(s).



# ENGINEERS

Turning Ideas  
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# IEEE Southeastcon '96

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**Hyatt Regency  
Tampa City Center  
Tampa, Florida  
April 11-14, 1996**



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[http://www.eng.usf.edu/EE/  
secon96.html](http://www.eng.usf.edu/EE/secon96.html)

### SPONSORS

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**Southeastcon** brings together engineering professionals, academics, and engineering students to share information through technical sessions, tutorials, and exhibits. Our theme highlights the recognition of the important relationship existing between education and the technical community.

The most influential regional outlet for promoting awareness of technical contributions made by our profession, Southeastcon is three conferences in one:

- ▲ Technical Conference
- ▲ Student Conference
- ▲ Region 3 Committee Meetings

### Papers and Tutorials / Workshops Solicited

The Program Committee invites you to submit an original paper dealing with electrical or electronic engineering. Topics may be selected from a wide array of technology and application subjects.

- ✓ Full-length Paper (refereed) Submission Due Oct. 15, 1995
- ✓ Concise Paper (abstract refereed) Submission Due Nov. 1, 1995

Proposals are invited for organizing tutorial/workshop sessions. These sessions should emphasize current or near-term technology applications, advances or trends. Include the objective, a brief description and outline, intended audience, length (half-day or full-day), and a one-page c.v. of the lecturer(s). Due Dec. 1, 1995.

Direct submittals or information requests to the Technical Program Chair.

Highlights of the Student Conference will include hardware and programming contests (rules available from the Student Program Chair). Student papers are being solicited. Consult your Student Branch Counselor or the Student Program Chair. Submission deadline is Feb. 14, 1996.

**Southeastcon '96 promises to be  
the best ever - don't miss this  
excellent opportunity for technical and  
professional enrichment**



# HAVE YOU USED THIS IEEE RESOURCE?

## **THE REGION 3 BULLETIN BOARD SYSTEM-Please Note the Area Code Change!**

The basis for the BBS is to make information available to those of our members who have a computer and a modem, but not necessarily email or internet access. Region 3 has a toll free number (1-800-555-REG3) for those members living within (area code 404 use 770-446-0740, area code 770 use 446-0740) Region 3, and members from outside the region are welcome to access it at 770-446-0740. We have had members call from all states within Region 3, as well as some calls from Connecticut, New Mexico and from as far away as Iran!

The BBS includes Institute and Region information, as well as having menu space for Region 3 entities (areas/councils, sections, chapters, student branches, etc.) to post information. The text of many of the Institute publications are available (awards manuals, newsletters, bulletins, alerts, etc.), and information sent out by IEEE-USA/USAB via email is posted there, also.

The biggest draw is the employment section. In addition to downloading the USAB job postings, we have many other Region 3 employment opportunity listings. The Region during the fourth quarter 1995 mailed 2000 letters to employers of engineers in the Southeast, inviting them to post their job openings on the BBS free of charge.

When you have a few minutes, log-on and browse the BBS, you will be pleasantly surprised at the breath of information available. If you would like information on how you can utilize the BBS for your Region 3 organization contact the Sysop at [v.powers@ieee.org](mailto:v.powers@ieee.org).

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## **SPECIAL PROJECT SUPPORT**

If your Student Branch is interested in supporting a Region 3 member services Special Project, contact the Region 3 Regional Student Representative, David Lee at [d.c.lee@ieee.org](mailto:d.c.lee@ieee.org), Region 3 Director Jim Beall at [j.beall@ieee.org](mailto:j.beall@ieee.org) or PAOC Chair Dick Riddle at [r.riddle@ieee.org](mailto:r.riddle@ieee.org).

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## **REGION 3 AUTOMATED CONSULTANT'S NETWORK**

The Georgia Institute of Technology (GaTech) IEEE Student Branch Chairman, Mr. John Elmore successfully demonstrated completion of Phase 1 major milestones for the Region 3 Automated Consultants' network (ACN) on December 23 at the GaTech campus IEEE office. The ACN will allow clients to search via key words, tag and download files of consultants templates in the database. Phase 2, January 1996 will consist of a four month debug and enhancement activity and then a six month pilot program which will be available to Region 3 consultants. Phase 3, January 1997 will make the ACN available to IEEE Consultants nationwide. For further information on the ACN contact Vernon Powers at (770) 449-6161 or [v.powers@ieee.org](mailto:v.powers@ieee.org).

# Electro-Technology Industry (ETI) Database

Want to know who hires IEEE members? If you are a member of IEEE within Region 3, you can get a list of companies that employ technical professionals in the southeast. All you need to do is send an internet e-mail message to: [empaccess.r03@eng.uab.edu](mailto:empaccess.r03@eng.uab.edu)

Use the below exact wording. An auto-response file will be sent to you by return e-mail with instructions on how to access the ETI Database.

REQUIRED FORMAT\* for "access" e-mail message;

NAMELINE: |IEEE Mem. Number| |Last Name, First Name MI.|

ADDRESS1: |Address Line #1|

ADDRESS2: |address Line #2|

ADDRESS3: |Address Line #3|

SECTNAME: |Section Name|

STBRANCH: |Student Branch Name|

HOMENMBR: |Home Phone Number|

WORKNMBR: |Work Phone Number|

EMPLOYER: |Employer|

EMAILADR: |E-Mail Address|

note: \* Do not type brackets!

For membership information contact: [j.howard@ieee.org](mailto:j.howard@ieee.org)

For employment Assistance Information contact: [r.riddle@ieee.org](mailto:r.riddle@ieee.org)

## Region 3 Expands ETI Database

In an effort to enhance employment services to Region 3 members who may have to seek employment outside of Region 3, the ETI Database which was previously limited to electro-technology companies within the geographic boundaries of Region 3 (Southeast) has been expanded to select states outside Region 3. The University of Alabama at Birmingham (UAB) Student Branch has taken the lead in up loading 2 high-tech employer databases, adding approximately 6,000 more companies to the current database of approximately 35,000. The addition of the Southwest and Central U.S. regions gives the Region 3 ETI Database approximately 50% coverage of the United States. The database up-dating and expansion activity is part of the Region 3 Special Project, ETI Database Phase 3 which was funded in January of 1995 and intended to be a recurring Region activity. The recurring activity for 1996 is covered under Phase 4 of the Special Project.

## ETI Database is Accessable to all IEEE Student Branch Members

To promote IEEE student membership and retention of student members, the ETI Database is available to all IEEE Student Branch members. The Region 3 Special Project, under the lead of the UAB Student Branch currently uses manual intervention but the IEEE's Student Membership Database will be incorporated when available. All IEEE Student Branches are encouraged to publicize the employment service to their membership and non-members. Past Director Deborah Powers notified all Student Branches in December of system availability and provided instructions on how to access the database.

## NEW RABFACTS FAX-ON-DEMAND SERVICE AVAILABLE-GIVE IT A TRY!

The Regional Activities Department (RAD) is offering a new fax-on-demand system-RABFacts to members and non-members. The twenty-four hour per day service is accessible by fax machine handset only at (908) 562-5514 and the only cost to members and non-members is the telephone call charge. The document Directory areas of interest are; Member Applications, Newsletter/Periodicals, Forms, Lists and Catalogs, Student Branch Information, Meeting Information, and Financial. To use the system;

1. Call (908) 562-6555 using a fax machine handset.
2. Order documents by assigned document numbers. You can obtain the RABFacts Directory (Doc.# 10000) by calling the above number and pressing 2 at the prompt, the Directory will be faxed to you.
3. Listen to the voice menu and follow instructions.
4. A maximum of 3 documents can be requested in a single call. The system will verify your document selection and allow changes to be made.
5. RABFacts will automatically transmit the requested documents.

The RABFacts system introduction and Directory is also on the Region 3 BBS at main menu <F>, <A>. If you have a problem with this new service, contact Ms. Cindy Tiritilli, the RABFacts System Administrator at (908) 562-6358.

### Your Region 3 Membership Development Committee Presents Membership Development Tools for Sections and Student Branches

**These items are being provided by the R3 MD Committee at or near cost to allow all Sections and Student Branches to take advantage of the bulk prices.**

Use for Awards, Prizes, Give Aways, New Member Incentives, etc.

Complete the following and send to the R3 MD Chair at the address in the R3 Directory on Page 19.

NAME \_\_\_\_\_ Date \_\_\_\_\_  
 Member # \_\_\_\_\_ Section \_\_\_\_\_  
 SHIP TO: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



<b>ITEMS (All with IEEE Logos):</b>	<b>Cost Each</b>	<b>Quantity</b>
Flyers (Frisbees)	\$1.00	_____
Can Coolers (Koozies)	\$1.00	_____
Pens (Black/Silver)	\$10.00	_____
Coasters (Wood)	\$7.00	_____
Post-It Note Dispenser (Wood)	\$15.00	_____
Key Chain Flashlight	\$1.00	_____
Mouse Pad	\$2.00	_____
Pens (Ball Point)	\$1.00	_____
Magnetic Screwdriver	\$1.00	_____
<b>Total Amount of Order</b>		<b>\$</b> _____

# SECTIONS CONGRESS '96

## November 1-4, 1996

### Denver Marriott City Center

### Denver, Colorado, USA

*Daniel W. Jackson, Region 3 SC'96 Coordinator*

Sections Congress '96 is less than a year away. The program committee has finalized the program with 75 different sessions on 34 different topics, each of which is valuable in the organization and administration of Sections and their Chapters. These topics were selected upon extensive input from Section leaders and members around the world. The list of topics was in the Fall Region 3 Newsletter.

The program committee is looking for speaker suggestions for those topics, preferably individuals with recent experience in the topic area, particularly in a Section or Chapter setting. If you have any suggestions send them to Carol Coffey, Staff Coordinator, at [c.coffey@ieee.org](mailto:c.coffey@ieee.org) with a copy to me at [d.jackson@ieee.org](mailto:d.jackson@ieee.org). Indicate, from the Fall Newsletter, the Track, the Session, whether Tutorial or Workshop, and the name of the suggested speaker. If you want to contact a prospective speaker before suggesting their name, please do not make a commitment on behalf of the Program Committee. The actual offer to be a presenter will be made by a member of the Program Committee and will, at least to some extent, be based on the ability to fund their travel, as the SC'96 budget can support only a few speakers. Be sure to include your name, IEEE entity, and voice, fax, and e-mail contact.

If you want your Section to have a direct input into the operation of the IEEE during the next three years be sure to send a delegate to SECTIONS CONGRESS '96. Delegates will make recommendations to the IEEE Executive Committee and the Board of Directors about the following caucus topics:

- Volunteer Recruitment and Leadership Development
- Financial Concerns of the Section
- Membership Development
- Member Communication
- Students and Young Engineers
- Employer Support
- Employment Issues
- Image of the Engineer.

HAVE YOU ALLOCATED SECTION FUNDS FOR YOUR DELEGATE'S EXPENSES ? Regional Activities and Region 3 are not going to cover all the costs. Since the Congress is for the benefit of the Sections, it is a cost sharing activity.

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## GOVERNMENT RELATIONS VIA THE INTERNET

IEEE-USA has established a Public Policy Form on the World Wide Web. Through the Forum, you can obtain copies of IEEE-USA position statements, public policy materials, information on government fellowships and internships, questions posed for member input, and a whole host of other public policy resources and links. The Legislative Report newsletter is also available on-line. To access the Forum, point your Web browser at IEEE-USA's Home Page at <http://www.ieee.org/usab>.

IEEE-USA government relations information is available by electronic mail through the Internet. The available information includes: IEEE-USA's Public Policy Agenda for the 104th Congress ([info.ieeeusa.agenda@ieee.org](mailto:info.ieeeusa.agenda@ieee.org)); a list of current IEEE-USA position statements ([info.ieeeusa.pos@ieee.org](mailto:info.ieeeusa.pos@ieee.org)); a chronological log of IEEE-USA testimonies and communications with public policy-makers ([info.ieeeusa.policy@ieee.org](mailto:info.ieeeusa.policy@ieee.org)); and the IEEE-USA Legislative Report newsletter ([info.ieeeusa.legrpt@ieee.org](mailto:info.ieeeusa.legrpt@ieee.org)). To obtain these documents, send an e-mail request via Internet to the indicated address (no subject line or text message required). An autoresponse text file will be automatically returned to your e-mail address. IEEE-USA electronic information is also available through the IEEE gopher server ([gopher.ieee.org](http://gopher.ieee.org)) under IEEE Products and Services, in the United States Activities Information subdirectory. For more information, contact Chris Brantley ([c.brantley@ieee.org](mailto:c.brantley@ieee.org)).



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