



# IEEE Region 3 Newsletter

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## DIRECTOR'S MESSAGE

*Jim Beall*



### *ZOOM! 1996 Is Almost Gone*

Here it is, another year almost gone, or soon to be gone. The ExCom meeting in Atlanta on November 16-17 will be closing out the 96 year and looking to the 97 year. It is a chance to reflect on the past and look to the future. What will be our projects for 97 and a budget to do them.

I encourage the Section Chairs to give us your input to the affairs of the region. This is easily done by working with your Area or Council Chair. I also ask you to look carefully to see if there is a special project that needs doing to benefit your members. In addition to the employment assistance projects, we will have some money available for this work.

During this meeting, we will present the first three of a new awards for Student Professionalism along with other recognition.

By the time we have this meeting, the National elections for President and Congress will be over as will the IEEE elections. Speaking of congress, the IEEE Sections Congress will also be complete.

The Institute is moving along

smoothly. The RAB and TAB meetings following Sections Congress will have looked at their future. They should have approved their own bylaws at this meeting for final consideration by the Board of Directors at the December Board meeting. I expect that the United States Activities Board will have its bylaws in place for approval, under which they will directly elect their first ever President, to take office in 1998.

There has been a big hue and cry for all entities of the Institute to determine their "core and non-core" activities. To this end, I have had our Strategic Planning Committee reviewing Region 3 and our core situation. This information will be added to similar work in the other nine regions to present a coordinated answer to the Board. I can see a possibility that we could be impacted financially in what we need and wish to do for our members in R3. We are fortunate in that R3 has two conferences that usually generate a surplus, to add to the support furnished from the Institute. Thank you for a good year.

## DIRECTOR ELECT'S REPORT

*Dale Caston*



After talking with many of the local sections, it looks like Region 3 will be

well represented at Sections Congress in Denver. All are looking forward to a good and informative meeting at that mile high location.

Thinking of sections, one of the ongoing opportunities is meeting attendance. To improve attendance at meetings, the section can not do too much advertising. As one former Louisiana Governor, Huey Long, once said, "there is no such thing as bad publicity." He

(continued on Page 2)

## Contents

Director	1
Director-Elect	1
Virginia Council	2
North Carolina Council	2
Area 3	2
Tennessee Council	3
Area 6	4
Area 8	4
Area 9	4
Awards and Recognition	5
Conferences	5
Membership Development	6
Professional Activities	6
Strategic Planning	7
Student Activities	8
Communications	8
E-Mail	9
Fall 1996 Meeting Agenda	9
UAB Students Honored	10
ETI Database News	10
IEEE Atlanta Consultants NW	12
Sections Congress '96	12
Region 3 Nominations	13
Deborah Powers Honored	14
Membership Development Tools	14
Region 3 Directory	15
Region 3 Bulletin Board System	16

inferred that all publicity can be good. Some ways to get your section meeting before the members and prospective members are:

- Word of mouth, which includes the use of telephone committees. Each member of the committee could be assigned 8-10 people to contact.
- EMAIL (Some members of large companies may be willing to send out the meeting notice on their company EMAIL system.)
- Newsletter. The newsletter needs to be timely, concise and regular.
- Postcards or special meeting flyers mailed.

You and the members of the section excom can find additional ways to publish the meeting information. Some sections have found that it helps to have the same date every month for their meetings, while others like to vary the date to try to avoid conflicts with other activities of the members. Your section should have a copy of the 1996-1997 Distinguished Lecturers Handbook. If one is needed, it is available from the Technical Activities Board. [e-mail request to: [society.lecturers@ieee.org](mailto:society.lecturers@ieee.org)]

Both sections and Region 3 Excom members should be determining goals and objectives for 1997. Someone must have said "you need to plan the work, then work the plan." May 1996-1997 be a good IEEE year for each of you.

## VIRGINIA COUNCIL



*Sam Harris*

The Virginia Council held its June and September quarterly meetings at Richmond and Blacksburg respectively. There were good discussions of both section activities and the several items on the council agenda including support for SoutheastCon, our legislative agenda, M-PAC seminar for western half of the state, pre-college education, and development

of consultants networks.

SoutheastCon is the most important IEEE event in Virginia for some time and it deserves all members support in getting industrial sponsors, encouraging members and students in preparation of papers and working to get a good attendance.

For our legislative agenda, we will be writing another letter to each member of the General Assembly to keep them aware of IEEE and what it means to the state. All members are encouraged to contribute their thoughts to its preparation. A data base which lists IEEE members by legislative districts is being prepared, and we hope to assign a member as legislative liaison person for each district. Volunteers for this effort are welcomed.

The Hampton Roads Section completed its second session of M-PAC and we hope to repeat this seminar for the western side of Virginia. This should not require a great effort since much of the basic work is already done.

The public schools of the state are a fertile field for our precollege education program. There is no problem getting the students to participate, but coordination with the schools many other extracurricular affairs and getting faculty cooperation is a challenge. Our big objective should be to offer advanced math and science classes in every public school and to describe the engineering field to those nearing graduation. All of this can be accomplished by a few dedicated IEEE members in each school district. We believe IEEE can and should make a contribution to the improvement of our state's schools.

The sections have had several excellent programs at regular meetings. Among them were tours of the Neurosurgical Visualization Lab at UVA, a tour of Sperry Marine plant in Charlottesville, a presentation of General Electric's hybrid electric automobile program at Salem, and the talk, "Gallium Arsenide, the Semiconductor of the Future" at the Mountain Section's joint meeting with its Microwave and Electron Devices Chapter.

The Central Virginia Section has not found officers for the coming year but remains active with several dedicated board members. All sections report plans

for meetings for the Fall quarter and we anticipate a successful fall quarter for Area 1.

## NC COUNCIL

*Marvin Neiditz*

An MPAC, to be held at the Biotechnology Center, RTP, NC, will be on Monday, October 21. It will be the 1996 North Carolina Symposium and Exhibition. NCSE has been held yearly since the formation of this Council in the early 60's. A Council meeting will be held at that time also. At this time, 4 of our 5 Sections will be represented in Denver at SC96.

## AREA 3 GEORGIA



*Bill Harrison*

### *Atlanta Section Keeping Up With Our Students*

Under Section Chairman, John Buck's leadership, the Atlanta Section is making a concerted effort to get student members involved in the Section activities. Members of the Georgia Tech student chapter attending the June Executive Committee meeting were enthusiastic about learning how the Section operates and how we can work together. Chairman Buck reported to the membership: "What I came to realize is that a major portion of IEEE activity in Atlanta



occurs at the student level. These people are always undertaking ambitious projects that are usually directed toward educating their fellow students in career related issues. Speakers are brought in from local companies, field trips are organized, and counseling for their peers is provided. Involving people with this enthusiasm can only be a good thing for our Section. My original thought was that they could learn from us and perhaps ultimately be more active full members. It is now clear that we have much to learn from them."

### *Section Home Page*

The Atlanta Section now has a new home page on its own domain. The address of the web site is: <http://WWW.ieee.atlanta.org>

Members have the opportunity of requesting that their Internet e-mail and World Wide Web home page addresses be listed on the web site. Thus, the web site already includes the beginnings of listings of member e-mail and WWW addresses. Please drop by and request that your addresses be added too.

The Section Home Page links to the new web pages for the LEOS/ED Atlanta Chapter and the Power Electronics Society Atlanta Chapter. The Section Home Page also links to a variety of other resources which our members should find useful and interesting. Of course, feel free to recommend the addition of your favorite links too!

### *Central Georgia Section*

Recent Central Georgia Section meetings included the following presentations:

- A presentation on VHSIC (Very High Speed Integrated Circuits) Hardware Description Language by Dr. Anjum Ali of Mercer University. Dr. Ali's main research and teaching interests are in computer architectures and parallel computing

- A program on JSTARS Latest High-tech New Operation at Robins AFB by Bill Peters, Deputy Division Chief for JSTARS Depot Support, Warner Robins Air Logistics Center. Mr. Peters was accompanied by Tom Brightman, a WR-ALC electronics engineer, and Capt. Ed McKenzie from the 93rd Air Control

Wing (JSTARS operational unit).

- The topic Vibration Testing and Phase Noise Measurement of Oscillator Crystals was presented by Brad Scruggs and Mark Hardin. The F-15 group at Ball Aerospace Systems Division specializes in obsolete component replacement solutions for the Air Force. Brad Scruggs and Mark Hardin are currently solving a sole source problem with the F-15 weapons radar system. They are qualifying new crystal vendors to supply the Air Force with multi-source, low phase noise crystal components through random mechanical vibration and low phase noise testing of crystals. The presentation was given on phase noise theory. It was followed by a demonstration of mechanical vibration testing using a large commercial shaker and the testing to quantify crystal phase noise.

### *Savannah Section*

An interested group, including the executive committee, met over the summer break to guide the Savannah Section into the 1996-97 year. Executive committee members for the new term are:

Chairman - Chris Hardy  
Vice Chairman - Robert Norris  
Treasurer/Secretary - Charles Izard  
Student Activities - Roy Redderson, Asad Yousuf  
Educational Activities - Emil Sagan, Clyde Hardin  
Awards Chairman - Clyde Hardin

Still to be filled are the Program Chairman, Newsletter Editor, Professional Activities, and Membership Development positions.

Special thanks go to Bill Ratcliff for his continued support. The Section's newest award is the William B. Ratcliff Distinguished Service Award. Aptly named, the award was presented to Bill at the first planning session on 27 July 1996, for his extraordinary dedication and hard work. The name says it all.

The August meeting included a presentation and tour of System Mapping and the new SCADA (Supervisory Control and Data Acquisition) Equipment at Savannah Electric. The Mapping System is used by a number of utilities and governmental agencies as well as Savan-

nah Electric to view their infrastructure in this area. It provides present layouts as well as details needed to determine future power line layouts to suit the area growth projections.

## TENNESSEE COUNCIL



*Billy Allen*

The Tennessee Council has had a change in the Officer's line-up caused by our Vice Chair being transferred to Spain by his company. John Liegeois, of Nashville, has moved up to the Vice Chair vacancy, while Brian Swail, of Knoxville, has stepped into John's former position as Secretary-Treasurer.

The Tennessee Council met in Knoxville on August 24, 1996, which was our first meeting since SoutheastCon '96 in Tampa. Council business was conducted during the morning session with Officers Training following lunch. Many thanks to Cullen Wright for leading the training session which was beneficial to the newcomers and a welcomed refresher for the others.

Key items discussed during the business meeting included: 1) the Professional Engineer licensure movement in Tennessee, 2) the start-up of a Council Awards Program, 3) the details for a Council WWW home page, and 4) the 1997 Council Schedule and Budget. Afterwards, reports were given by those Sections represented.

Some Sections reported well-attended programs including family events such as a picnic and a visit to the local zoo. However, one Section has experienced declining activities due to downsizing or closing of local industries. The Section officers continue to remain in their positions due to inability to recruit new volunteers. They have even considered dissolving the Section. They

have had joint programs with a neighboring Section but that is not a long-term solution due to the distance involved. At the close of the Council meeting, each Section was encouraged to send a representative to Sections Congress in Denver.

## AREA 6 (AL AND MS)



*Perry Wheless*

The Alabama Section is one of just twenty-six "charter" sections for the GOLD (Graduates of the Last Decade) pilot program launched in 1996 by the IEEE Membership Development Committee. The Alabama Section GOLD committee is headed by Kim Garing, and made the front page of the August, 1996, issue of "the institute" news supplement to IEEE Spectrum. This is an innovative approach to cultivating young members, and merits the attention of all sections in Region 3. The following is based on an article written for the GOLD Pilot Program by Hollis Hart. I have paraphrased and shortened Hollis' article, so the reader should attribute any errors, egregious or minor, to me!

The GOLD program is targeted at recruiting and preparing young EE professionals for future involvement in IEEE. Section membership is increased in the process. At the same time, the program allows young members to organize and participate in functions separate from the usual Section activities. This type of involvement is helpful for recent graduates seeking out a niche in IEEE which is comfortable and best suited to their interests and talents.

The Alabama Section was approved to participate in the GOLD Pilot Program in February of 1996. The committee has bimonthly meetings, and has developed a strategic plan for recruiting new mem-

bers. With the support of Alabama Power Company, the GOLD committee sponsored a job fair in late May. Companies from across the state participated, and the event was considered a great success. At the job fair, students were asked to complete a form which would allow someone from IEEE to locate them after graduation. Many recent graduates are lost merely because they become separated from their university's student branch and then are not approached about the next level of IEEE participation in their new city of residence. This information, clearly, can be a valuable asset for the Membership Development Committee of the Section.

The GOLD pilot program began in February with three members, but has already grown to more than fifteen. Due to the success of the job fair, IEEE asked the Alabama Section to send a GOLD representative to both the PACE session in Phoenix and the '96 Sections Congress in Denver to report on progress and plans for future activities. The Alabama Section encourages all other Region 3 sections to strengthen themselves by establishing a local GOLD program.

I conclude this newsletter report with a personal observation. We all have heard the perception of some IEEE members (or prospective members) that IEEE sections can be impersonal or too technically oriented. Furthermore, it is quite possible that a majority of presently active section members started their involvement by direct initiative rather than by personal contact and invitation. The GOLD program is much more social. In an age when the work environment for many engineers has become progressively less friendly, a more personal and social approach by IEEE at the section level is a refreshing and welcome development!



## AREA 8 (KY AND S. IN)

*Don Hill*

Area 8 sections met at Southeastcon '96 to discuss activities for the year. Each Section outlined future programs and emphasized membership Retention, Recovery, and Recruitment.

Each student branch has been invited to section leadership training. We hope that each branch will take the opportunity to learn from others about how to operate a successful student branch.

Recently, Louisville and Lexington sent representatives to the National PACE Conference. Joe Cole of Louisville and Grant Wilson of Lexington will spearhead professional activities in their sections for the coming year. Grant has already planned a three part professional meeting with the Lexington Section for October and Joe is probably close on his heels with his Louisville plans.

Elwood West of the Lexington Section will attend the Sections Congress. Elwood will return with many ideas about how to improve the Lexington Section.

## AREA 9 JAMAICA



*Dennis Hartley*

The Annual General Meeting for the Section was held June 19, 1996 as scheduled. The executive for June 1996 to June 1997 is: Chair, Andrea Small; Vice Chair, Bryan Aikman; Secretary, Dave Reece; Treasurer, Devon Gayle; Membership Development, Stephen Register; Educational Activities, Bryan Aikman; and Bylaws/Awards & Recognition, Wilfred Roberts.

Monthly Section meetings are being held regularly and the two topics which

generated the greatest interest this year are The Internet and Geographic Information Systems.

Graduate students from the University of the West Indies presented papers and attended Southeastcon in Tampa and Southcon Orlando respectively.

The Area lost out to the migration of Dr. Janak Sodha and David Simm. These person's workloads for the JamCon series were large and therefore the new committee will have a lot of work.

JamCon 97 is scheduled for August 1997 in Kingston Jamaica. Papers for presentation are expected in the categories of Communications, Power and Computer Applications.

## AWARDS AND RECOGNITION

*Charles Hickman*



It's time for all of us to get involved in recognizing the many-faceted contributions made by our Region 3 IEEE members! Nominations are being sought for the following awards:

**Outstanding Engineer**  
**Outstanding Service**  
**Outstanding Engineering Educator**  
**Professional Leadership**

As you can see, these awards cover a wide range of opportunities to identify deserving members.

Information related to the criteria for these awards, along with nomination instructions and forms, can be found in Section 2 of the Region 3 Awards and Recognition Program Manual. This Manual is available on both the Region 3 BBS and Web Page, diskettes mailed to all Sections, and "hard copies" sent to Area/Council Chairs and members of the Region 3 Awards and Recognition Committee(ARC).

The deadline for submitting nominations is December 1, 1996. However, do not delay in preparing the nomination forms!

Although the following awards do not require a Call for Nomination, please keep them in mind and submit the appropriate forms in a timely manner.

**Exemplary Section**  
**Exemplary Student Branch**  
**Student Professional Activities Service**

We want to increase the number of Sections and Student Branches named as exemplary and to recognize outstanding students for their service to professional activities.

If you have any questions about our awards and recognition program, please contact me. The ARC is counting on you to help us make this another excellent year in identifying and rewarding many deserving Region 3 IEEE members.

## CONFERENCES

*David Green*



The next conference committee meeting will be in Atlanta, GA as part of the November Region 3 Excom meeting. At this meeting we will be discussing our efforts this year including Southeastcon '96 and the upcoming Southeastcon '97 conference. Sections interested in bidding on Southeastcon 2000 and beyond should be contacting the Conference committee regarding the schedule for bid processing as well as assistance if needed.

### *SoutheastCon '96*

SoutheastCon '96 was held in Tampa, Florida on April 12 through 14. The conference featured a new compressed format which kept everyone hopping but appeared to be a well-received format. The conference featured about 150 pro-

fessional papers with about 200 professional attendees as well as a very busy student program for the approximately 400 students who attended. Jim Howard and his conference committee are to be congratulated for the great conference effort.

If anyone has any comments about this compressed conference format where most events are packed into a single weekend, please let the Conference Committee know so that it can properly plan future conferences taking this input into account. This input can be sent to the me at [d.green@ieee.org](mailto:d.green@ieee.org).

### *SoutheastCon '97*

Southeastcon '97 will be held on the Virginia Tech campus at the Donaldson Brown Hotel and Conference Center and nearby buildings on April 12 through 14. The hosts for this conference are the Virginia Mountain Section and the Virginia Tech Student Branch. This conference will also follow the model of placing all three components (Region 3 meetings, technical conference and student conference) in parallel to occur mostly on a single weekend. It will feature technical sessions, tutorials, plenaries as well as an exciting student program. You can get more information about the conference visiting the conference web site at <http://www.vt.edu:10021/org/ieee/secon97/>.

### *SoutheastCon '98*

Conference Chair Parveen Wahid reports that efforts proceed on Southeastcon '98. A contract with the conference hotel has been signed and the conference committee has been named. Parveen's conference committee members attended Southeastcon '96 in Tampa to observe activities and learn as much as possible from the 1996 efforts.

### *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 was held in Orlando Florida on June 25-27, 1996 at the Orange County Con-

vention Center. Southcon/97 is scheduled to be in Raleigh, NC.

### Other Items

We are supposed to be 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. 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



### Membership Applications

By now each of the Sections in Region 3 should have received a package of the new 1997 Membership Applications. The new applications feature a new design and include a listing of the many benefits of being an IEEE member. If you have not received a package of these new applications, please contact me and we will have them shipped to you.

### Membership Development Items

Your Region 3 Membership Development items are making their way around the Institute. Recently, at a Florida Council meeting, the Florida Sections purchased over \$100 worth of the items. Additionally, Region 2 has recently ordered \$500 worth of these items to use in their Membership Development work. Every Section should be taking advantage of these items. One Student Branch uses them for speaker gifts, another for Membership Drives, which should be

occurring now as schools gear up for the fall semester. These items are available to you at very low cost due to the efforts of your Region Executive Committee and the Region Membership Development Committee. Please be sure to take advantage of them. (Refer to a listing of all the available items elsewhere in this newsletter).

### Membership Projects

Does your Section have a special Membership Development project that has proven to be successful? Why not share it with the other Region 3 Sections. Just send me an email and we will get it out to all the Sections in the Region. Also, if you have an idea for an MD project we would like to hear about that as well.

Remember, Membership Development is Every Members Job!

## PROFESSIONAL ACTIVITIES

Dick Riddle



### WHAT WILL HAPPEN TO PROFESSIONAL ACTIVITIES BY 2000?

Perhaps a better question is: What will happen to the IEEE United States Activities organization by the year 2000? Many members feel that the IEEE dues should be unbundled or optional and that members should be allowed to pick the services they want and be charged for only those selected services. Sounds good, isn't this just an extension of "freedom of choice"? The rub is what do you pick and what do you eliminate. This issue has been kicked around by both "President-elect 1997 Candidates" in recent months and both support making the

### SoutheastCon Schedule

<u>Conference</u>	<u>Date</u>	<u>Host Section/Branch</u>	<u>Conf Chair</u>
Southeastcon '97	4/11-4/14	Virginia Mtn/VA Tech	Russell Churchill
Southeastcon '98	3/28-4/01	Orlando Section	Parveen Wahid
Southeastcon '99	3/25-3/29	Lexington/Univ. of KY	Donald Hill
Southeastcon '2000	<<to be decided at R3 meeting in Blacksburg, April 1997>>		

### SoutheastCon E-mail Contacts

<u>Conference</u>	<u>General Chair</u>	<u>Student Conference</u>
Southeastcon '97	arcova@bev.net(*)	vlearn@vt.edu
Southeastcon '98	pfw@enr.ucf.edu	rfd@enr.ucf.edu
Southeastcon '99	dhill@uklans.uky.edu	sb.uky@iecc.org

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

dues optional. So it looks like the members will have a shopping list to pick from after 1997. Does this mean that we will not have a national PACE network, PACE conference, USA-Employment Assistance services such as the Job Listings, PACE workshops at SoutheastCon or any number of things funded by IEEE-USA that we now take for granted? In my view many of the services now provided by IEEE will be eliminated because a lot of members in the U.S. do not know about them, don't use them, and a lot members outside the U.S. would love to see USAB die.

For several years, many in Region 3 have been concerned about getting our fair share of the services provided by the entities within IEEE based on dues and 1996 has been both a good year and a not-so-good year for the PAOC. The good news first. Under the leadership of PACE Chair Lee Stogner, we have had another outstanding PACE year at SoutheastCon and at the national conference and workshop. We had a record attendance of PACE Section Chairs at both and Lee got many complements on his presentations and program content. Yet we still hear very little from the PACE Sections Chairs about PA projects that they are doing or would like to do.

In 1996, we saw the first Professional Issues Student Paper sponsored by PACE. Region 3 had a winner. See Patrick Donohoe's Student Activities article for more details about the contest and the winner. Another bright spot has been the first Region 3 Student Professional Activities Service Award conceived and developed under the able leadership of Vernon Powers, Professional Activities Awards Committee, Chair. Congratulations to Allen Baxter, Anthony Grieco, and David Kujawski from UAB, see Bob Duggan, Public Information, Chair's article for more details

Our Special Projects under Vernon Powers continue to provide services to our Region 3 members that are not available in other region. The Automatic Consultants Network (ACN) is well underway and a prototype should be demonstrated by the end of the year and the Automatic Resume Database is scheduled for June 1997.

You may or may not know that the ETI database has been expanded to in-

clude all of the electrotechnology industries in the United States. In July, the ETI database was used as the source of corporate information for a nation-wide mailing by IEEE-USA Chair Joel B. Snyder to 1,600 CEOs of high-technology firms. In his letter, Snyder challenged CEOs to make use of IEEE-USA's Job-Listing Service as "an inexpensive, effective way to advertise your openings to the Institute's members." He added: "We don't know a better way to uncover engineering talent than to list openings with an organization that has the largest membership of electrotechnology professionals in the United States." Registration and access to the ETI database via the ETI homepage at: <http://sandbox.ieee.org/r03/eti/eti.html> or e-mail for ETI Authorization: [empaccess.r03@eng.uab.edu](mailto:empaccess.r03@eng.uab.edu) and for ETI Queries: [emp.r03@eng.uab.edu](mailto:emp.r03@eng.uab.edu). See Bob Duggan's article for more details.

The bad news is that we have not achieved many of the goals and objectives that we set in 1996. If you are interested in professional activities and would like to serve on the PAOC please let me know.

## STRATEGIC PLANNING

*Roy Harris*



Your SPC has been busy in two areas of importance to Region 3: (1) The IEEE reorganization study, and (2) SPC Committee Review.

### *The IEEE Reorganization Study*

This is very important to members of Region 3, since this has implications for changes in our dues structure and how we are organized to meet the needs of our members. The SPC is in the process of providing Director Beall our suggestions

for determining which of our services and activities are core, i.e., that meet the needs of all our members. We welcome inputs from any of all our members to provide solutions that will be best for all.

### *Background*

As a result of the IEEE Board of Directors meetings in December 1995 and February 1996, the Evolution Task Force (ETF) has been charged, as a subcommittee of the Implementation Committee for Structural Reorganization (ICSR) to:

- (a) Be creative in addressing the long term structure of the IEEE utilizing, in part, prior concepts and proposals;
- (b) Address the desire to minimize obligatory member dues and provide more member discretion in the selection and payment of individual services.

At its May 1996 ICSR meeting, the ETF made the following statement concerning the idea of base dues, or dues which are core: "The ETF believes that base dues are those dues necessary to provide the financial base for the delivery of equivalent goods and services which apply to all members or from which all members can benefit."

In accordance with this, the ETF recommended the following to the ICSR as general guidelines to all entities in their deliberations and efforts at structural reorganization:

1. Immediately cap all member assessments, exclusive of those for external organizations such as ABET and AAES, at current levels and allow additional revenues to be raised by either the sale of products and services (voluntary and/or entrepreneurial) or by additional assessment only when approved by a majority of the constituency.

2. In developing new bylaws for the reorganization of the IEEE, all entities should evaluate which of their activities can appropriately become self-funded through voluntary participation and then modify their activities appropriately.

3. As the future IEEE structure evolves, it is understood that the dues and assessments will by necessity be changed. Each entity will determine, specify, and recommend which of its goods and services are core and fundamental to the well-being of the Institute. They are then

to identify the funding necessary to support these services. And finally, each entity will address the issue of those of their goods and services which are not core, and determine methods of funding with the suggestion that they be supported by revenues raised by either the sale of products and services (voluntary and/or entrepreneurial) or by additional assessment (only when approved by a majority of the constituency).

The overarching principle in deciding what are core activities is embodied in the following statement: "Core activities are defined as those goods and services which a region delivers which apply to all members or from which all members can benefit.

### *SPC Committee Review*

"Sully" Sullivan was asked to conduct this review which he has completed. He has made excellent suggestions for improving the committee's support to the Director and Region 3 in the following areas:

a) Goals and Objectives - Suggestions were made that would strengthen our setting of G&O and then subsequent reviewing the progress by all areas of the Region's activities.

b) Committee Operation - The success of any organization is determined by how effectively the committee structure functions. One key to this effectiveness is the continuity of the leadership so that we can learn from our successes and failures to strengthen our committee's operations. The SPC will develop suggestions that will lead to having active vice-chairs for all committees as well as providing more direct leadership training for our Regional Committee Leaders.



## STUDENT ACTIVITIES

*Pat Donohoe*



The winner of the 1996 IEEE Region 3 Professional Issues Student Paper Contest is Kris Kopitzke from the University of Virginia (Paper Title - "Shaping the Public Image of the Engineer). Kris was chosen to represent Region 3 at the 1996 PACE Conference which was held in Phoenix, AZ (Aug. 30 - Sept. 2). The IEEE-USA Regional winners presented their papers at the PACE conference and Kris tied for second place. Congratulations to Kris Kopitzke.

Five separate Student Branch Leadership Training Workshops are being conducted this fall at locations throughout Region 3. The workshops are designed to bring new Student Branch leaders up to speed quickly so that their branch will have a productive and rewarding year. The sites include: Birmingham, AL (University of Alabama - Birmingham); Columbia, SC (University of South Carolina); Norfolk, VA (Old Dominion University); Cookeville, TN (Tennessee Tech); and Orlando, FL (University of Central Florida). Special thanks go to Dave Green, John Bowles, Steve Zahorian, Charles Hickman, and Issa Batarseh for their help in leading these workshops.

The Virginia Tech Student Branch is busy in preparation for the Region 3 Student Conference at Southeastcon '97 to be held on April 12-14, 1997 in Blacksburg, VA. Please encourage the Student Branches in your area to participate in the student paper competition, the hardware competition ("Hokie Hunt"), and the software competition. For details regarding the upcoming Student Conference, see the Southeastcon '97 website at

<http://www.ee.vt.edu/secon97>

The following is a recap of the student winners of awards and competitions at Southeastcon '96 held in Tampa, FL.

### **Larry K. Wilson Regional Student Activities Award**

Kristi McGowan, Auburn University

### **Student Paper Competition**

1st Place - Mike Moncrief, Mississippi State University

2nd Place - Audra M. Bullock, Old Dominion University

3rd Place - Farnoosh Bahram, Clemson University

### **Student Hardware Competition**

1st Place - University of South Carolina

2nd Place - Tennessee Tech

3rd Place - University of Louisville

### **Student Software Competition**

1st Place - Tennessee Tech

2nd Place - University of Evansville

3rd Place - University of Alabama - Birmingham

### **Exemplary Student Branch Award**

University of Alabama - Birmingham

Mississippi State University

The University of South Florida

## COMMUNICATIONS

*Brian Skelton*



The Communications Committee was established to facilitate the Region 3 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, including the Region 3 Bulletin Board System. This newsletter has several columns on our present projects (see pages 11-16). Re-



gion 3 has a Home Page on the WWW  
<http://sandbox.ieee.org/r03/>.

It is a busy time in the Communica-  
 tions area in Region 3. I welcome com-  
 ments on what this committee can do to  
 serve our membership better.

## E-MAIL

*Brian K. Swail*

On Sept 17, I sent a verification  
 message to the Region 3 Email Liaisons  
 (sec.r03@ieee.org). As of Sept 24, I have  
 received 21 responses out of a possible  
 47. I can only encourage section chairs to  
 contact me if you are not getting IEEE  
 email.

*Need to update your IEEE email alias?*

A new email form has been created  
 to enable you to change your IEEE alias.  
 Simply send a message to alias-  
 update@ieee.org and you will receive a  
 set of instructions. You may also want a  
 World-Wide-Web FORM to submit your  
 request. The URL is: [http://  
 www.ieee.org/elecomm/alias-  
 template.html](http://www.ieee.org/elecomm/alias-template.html)

### *Important Addresses and Phone Numbers to Know.....*

#### **R3 Web Site:**

<http://sandbox.ieee.org/r03/>

#### **ETI Web Site:**

<http://sandbox.ieee.org/r03/eti/eti.html>

#### **ETI Authorization:**

[empaccess.r03@eng.uab.edu](mailto:empaccess.r03@eng.uab.edu)

#### **ETI Queries:**

[emp.r03@eng.uab.edu](mailto:emp.r03@eng.uab.edu)

#### **Region 3 BBS:**

1-800-555-REG3

#### **Region 3 BBS in Atlanta:**

1-770-446-0740

## COMMITTEE MEETINGS AND CAUCUS SCHEDULES, SATURDAY, 11/16/96

<u>Time</u>	<u>Committee</u>
9:00-noon	Strategic Planning
12:00n-1:00pm	Lunch, On Own *
1:00-3:00 pm	Membership Development
1:00-3:00 pm	Conference
1:00-3:00 pm	Communications
1:00-5:00 pm	Professional Activities Op's
3:00-5:00 pm	Awards & Recognition
3:00-5:00 pm	Education
3:00-5:00 pm	Student Activities
5:15-7:15 pm	Dinner, with Award Presentations

### AGENDA - CAUCUS 7:30 - 11:00 PM

- |   |                                     |
|---|-------------------------------------|
| 1. Director's report                        | James Beall                         |
| 2. Director Elect (Vice Chair)              | Dale Caston                         |
| 3. Secretary                                | Cullen Wright                       |
| 4. Treasurer                                | Reed Thompson                       |
| 5. Past Director                            | Deborah Powers                      |
| Standing Committee Reports                  | Beall/Caston                        |
| 6. Awards & Recognition                     | Charles Hickman                     |
| 7. Conferences                              | David Green                         |
|   | Southeastcon 95 - Charles Lord      |
|   | Southeastcon 96 - Jim Howard        |
|   | Southeastcon 97 - Russell Churchill |
|   | Southcon- Dan Jackson/Deb Powers    |
|   | Parveen. Wahid                      |
| 8. Educational Activities                   | Reed Thompson                       |
| 9. Finance Committee                        | Jim Howard                          |
| 10. Membership Development                  | Richard Riddle                      |
| 11. Professional Activities Operations Comm | Brian Skelton                       |
| 12. Communications                          | BBS - Vern Powers                   |
|   | Email - Brian Swail                 |
|   | Newsletter - Brian Skelton          |
|   | Public Information - Robert Duggan  |
|   | Roy Harris                          |
|   | Pat Donohoe                         |
|   | David Lee                           |
|   | Dale Caston                         |
|   | Sam Harris                          |
|   | Marvin Neiditz                      |
|   | William Harrison                    |
|   | Osama Mohammed                      |
|   | William Allen                       |
|   | William (Perry) Wheless             |
|   | Richard Coleman                     |
|   | Donald Hill                         |
|   | Dennis Hartley                      |
|   | Beall/Caston                        |
|   | Cullen Wright                       |
|   | David Conner                        |
|   | Dan Jackson                         |
|   | David McLaren                       |
|   | Jim Beall                           |

### AGENDA - REGION 3 EXCOM MEETING, SUNDAY, 11-17-96, 8:30 - Noon

- |   |  |
|---|--|
| 1. Call to Order                                    | James Beall - Chairman and Introductions |
| 2. Roll Call - Quorum                               | Cullen Wright - Secretary                |
| 3. Adoption of Agenda                               | James Beall - Chairman                   |
| 4. Approval of Last Meeting Minutes                 |  |
| 5. Consent Agenda Items Approved a. b. c. d. e.     |  |
| 5. Items Brought Forth From Caucus . a. b. c. d. e. |  |
| 6. Old Business                                     |  |
| 7. New Business                                     |  |
| 8. Other Proper Business                            |  |
| 9. Time and Place of Next Meeting                   |  |
| 10. Adjourn   |  |

## *UAB STUDENTS TO BE RECOGNIZED*

The first Region 3 Student Professional Activities Service Awards will be made to three University of Alabama at Birmingham (UAB) IEEE Student Branch members: Allen Baxter, Anthony Grieco, and David Kujawski. The awards are for the students' individual contributions in providing technical, administrative, and sustaining support to the development, operation, and enhancement of the Region 3 Electro-Technology Industry (ETI) Database. Their dedicated sustaining activities have made it possible for the service to be available to IEEE members. Baxter, the UAB Student Branch Chair, has been a member of the ETI Database team since 1994. Grieco, the Student Branch Secretary, has been a team member since 1995. Kujawski, a team member since 1994, was the Student Branch Treasurer in 1995. He also led the "Employer Initiative", another successful Region 3 Special Project completed in 1995. To promote IEEE student membership and retention of student members, the ETI Database is now available to all IEEE Student Branch members. Under the lead of the UAB Student Branch, this Region 3 Special Project utilizes the IEEE's Student Membership Database. All IEEE Student Branches will be encouraged to publicize the employment service to their membership and non-members. Student Branches will be notified of the system availability and provided instructions on how to register on the database.

*Allen Baxter*



*Anthony Grieco*



*Davic Kujawski*



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## **ELECTRO-TECHNOLOGY INDUSTRY (ETI) DATABASE**

Want to know who hires IEEE members? Region 3 maintains a national database of electro-technology companies, and it's available to IEEE members. All you need to do is send an internet e-mail message to **empaccess.r03@eng.uab.edu**. Use the exact wording below. 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 Member Number] [Last Name, First Name M.I.]

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**.

For Employment Assistance Information contact **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 ET Database has now been expanded. The database was previously limited to electro-technology companies within the geographic boundaries of Region 3 (Southeast USA). The University of Alabama at Birmingham (UAB) Student Branch has taken the lead in updating the database. It now includes over 35,000 companies in 50 states. The database updating and expansion activity is part of the Region 3 Special Project, ET Database Phase 4 which was funded in January of 1996 and intended to be a recurring Region activity.

## *REGIONAL SUPPORT FOR THE ETI DATABASE*

Region 2 and Region 6 have agreed to provide financial support for the ET Database on a recurring basis and 1996-97 funding has been received by the Region. The funding will be used in part to maintain the currency and expansion of the database and perform selected system enhancements. Region 2 Director Daniel R. Benigni and Region 6 Director William Murray, strong advocates of employment assistance initiatives, are the first IEEE Regional Directors to step up and support the project. The Region looks forward to all US Regions participating in and supporting this member service.

## *STUDENT BRANCH CHAMPIONING REGION 3 SPECIAL PROJECTS*

The DeVry Institute of Technology Student Branch in Atlanta is currently supporting two major Region 3 Special projects, the "Automated Consultants' Network " (ACN) and the "Automated Resume Database" (ARD). The DeVry Student Branch will be the system Administrators for both the ACN and the ARD projects when complete. The Region 3 systems will be free services to clients, employers, and members and will be accessible by a direct dial phone number (770) 446- 9721. Clients can search, identify, tag, and download specific consultant/resume files. IEEE consultants interested in being in the ACN can access the system by modem, fill out a technical template(s) offline, and then upload the template to the system hard drive. Typical ACN system attributes are:

1. Accessible by local and long distance carriers.
2. 24-hour service.
3. Consultants can register on/off-line.
4. System capable of key word search (broad and narrow searches) and cross referencing.
5. Files of interest could be tagged for download and downloaded at end of inquiry.
6. Templates compatible with AICN Directory format.
7. System purges files periodically.
8. Statistics available (user/client accounts, # downloads, consultant accounts, # consultants, etc.)
9. Other attributes as system develops.

The pilot program for the ACN is underway, and the pilot program for the ARD is scheduled for June 1997. For further information contact Vernon Powers, Region 3 Special Projects Coordinator at [v.powers@ieee.org](mailto:v.powers@ieee.org).

## *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 Special Projects Coordinator Vernon Powers at [v.powers@ieee.org](mailto:v.powers@ieee.org), or PAOC Chair Dick Riddle at [r.riddle@ieee.org](mailto:r.riddle@ieee.org).

# IEEE ATLANTA CONSULTANTS' NETWORK BEING FORMED

*by David G. Shively*

Preliminary activities are underway for the formation of a local IEEE Consultants' Network in Atlanta. A local Consultants' Network is typically made up of independent consultants operating as sole practitioners or small companies. The local Consultants' Networks that have been organized in many key cities and industrial centers around the country are part of The Alliance of IEEE Consultants' Networks (AICN) which operates under the U.S. Activities Board of the IEEE.

The activities and potential benefits of joining a local Consultants' Network include:

1. A listing in the on-line consultants' database.
2. A listing in the printed directory of consultants to be distributed to local industries.
3. The opportunity to meet other consultants in the local area to share experiences or get help with common problems from more experienced consultants.
4. Networking with other consultants in the local area for possible future opportunities.
5. Regular meetings, with or without formal speakers, similar to other IEEE Chapter meetings to discuss business concerns, marketing, taxes, accounting, legal problems, contracts, patents, liability, and other consulting/entrepreneurial issues.

Further details on the IEEE Consultants' Networks can be found on the IEEE web-page at [www.ieee.org](http://www.ieee.org) under the U.S. Activities section.

Currently, an on-line consultants' database is in the works. However, before any further development of a Consultants' Network is planned it is necessary to gauge the amount of interest in the local membership for this type of effort. If you are full-time, part-time, or prospective consultant in the local area: Would you be interested in being included in the local consultants' database? Would you be interested in joining a local Consultants' Network and attending regular meetings (once a month or once every two months)?

If you would be interested in a local Consultants' Network please contact me and let me know your level of interest and any other ideas you might have. Contact Dr. David Shively, Shively Engineering, (770) 499-9377 or [dgshively@aol.com](mailto:dgshively@aol.com).

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## SECTIONS CONGRESS '96 NOVEMBER 1-4, 1996 DENVER MARRIOTT CITY CENTER DENVER, COLORADO

*by Daniel W. Jackson, Sections Congress '96 Coordinator*

By the time you read this article SECTIONS CONGRESS '96 will be over. Was your Section there ?? If you were there you know what a great Congress this was. If not, you missed an opportunity which comes only once every three years to meet with section leaders from around the world to discuss mutual problems and their solutions. You missed, also, the chance to help steer the course which the IEEE will follow between now and the next Sections Congress in 1999. Don't let your Section miss it again.

Has your Section started to set aside funds to pay your delegate's expenses to Sections Congress '99? If past experience is a guide, Region 3 and Regional Activities will assist, but this must be a shared expense. The Sections are expected to pay a fair share which likely would be the estimated on ground expenses. As the location of the next Congress has not been determined, each section should plan to set aside \$ 200-250 each year for the next three years to provide this funding. It would be great to have all of the 43 Region 3 Sections represented at SECTIONS CONGRESS '99. Get your plans in order NOW. IT'S NEVER TOO EARLY!

# REGION 3 NOMINATIONS

By David Conner



The Region 3 Nominating Committee (NC) will submit its nominations for 1998-1999 Region 3 Delegate/Director-Elect [who will serve as Region 3 Delegate/Director in 2000-2001] at the Fall 1996 meeting of the Region 3 Executive Committee (EXCOM). The NC is composed of the three most recent Past Directors - Debbie Powers, David Conner, and Dan Jackson. Recent Past Directors are used to form the NC because they have had the opportunity to observe the leadership style and abilities of the entire EXCOM leadership. NC recommendations are based upon the accumulated experience of these three individuals and evaluations received from other IEEE volunteers.

The NC is involved in six action steps. (1) Release A Call for Nominations, (2) Evaluate Proposed Candidates, (3) Develop a Reduced List Containing the Most Viable Candidates, (4) Contact Potential Candidates Relative to Willingness to Serve IF Nominated and Elected, (5) Re-Evaluate List of Viable Candidates Based on Responses Concerning Willingness to Serve IF Nominated and Elected, and (6) Structure Final Recommended List of No Less Than Two nor More than Three Names

Candidate evaluation focuses on each candidates abilities, skills, and past performance in view of the duties that must be performed as the Delegate/Director-Elect and the Delegate/Director. Here is a brief summary of the responsibilities of each office.

(1) **Delegate/Director-Elect** - (a) Oversee Activities of ALL Region 3 Areas, Councils, and Committees, (b) Monitor Progress of ALL Region 3 Special Projects, (c) Pursue Special Assignments from the Delegate/Director, and (d) Act on Behalf of the Delegate/Director in His/Her Absence.

(2) **Delegate/Director** - (a) Manage Region 3 as an Operating Sub-Entity of IEEE, (b) Make Committee and Area Chair Appointments for Region 3, (c) Serve as the "Chief Visionary" for Region 3, (d) Serve as the "Chief Fiduciary Officer" of Region 3, (e) Represent Region 3 Members on the IEEE Assembly, (f) Participate in the Selection of IEEE Senior Leadership, (g) Serve on the IEEE Board of Directors, which includes:

- I) Assist in International Institute Management
- II) Assist in Developing Institute Policies
- III) Assist in Developing Institute Operating Procedures
- IV) Serve as an Institute Fiduciary
- V) Serve on Ad Hoc Board Committees as Required

(h) Serve on the Regional Activities Board (RAB) that Oversees the Institute's response to Member Needs Worldwide, (i) Serve on RAB Committees as Assigned by the Vice President for Regional Activities, (j) Serve on the United States Activities Board (USAB) that Oversees the Institute's Response to US Members Needs, (k) Serve on USAB Committees as Assigned by the Vice President for Professional Activities, (l) Serve on Other "Entity Boards", as Required, to Ensure that Functions Supporting Member Needs are Being Properly Addressed, and (m) Travel as Required (normally between 45 and 60 days each calendar year).

Candidate evaluation emphasizes a review of each candidate's abilities, skills, and performance by focusing on the following questions:

- (1) What is the level of mental maturity?
- (2) Is he/she charismatic?
- (3) What is the level of fiscal experience?
- (4) Have sound fiscal philosophies been demonstrated?
- (5) Has an ability to overcome parochialism been demonstrated?
- (6) Has the candidate demonstrated an ability to accomplish assignments in a timely manner without prodding?
- (7) Is he/she a self-starter?
- (8) Is he/she innovative?
- (9) Has he/she demonstrated a commitment to completing difficult duties?
- (10) Is he/she articulate?
- (11) Have significant political skills (negotiating, compromising when appropriate, consensus building, debating, structuring proposals, writing motions) been demonstrated?
- (12) Is he/she a visionary?
- (13) Has he/she demonstrated an ability to enlist volunteers, make assignments, and obtain results through others?
- (14) Are excellent organizational skills evident?
- (15) Can the candidate withstand being intimidated by others?
- (16) Does he/she pay attention to details?

The nominating Committee does not expect every proposed nominee to rate A+ on all 16 of these questions; however, on the average each nominee should have high ratings "across the board". Using the list nominated by the NC, the EXCOM is responsible for submitting a list of up to three (3) nominees for endorsement by the Region 3 Committee (normally via Mail Ballot). Nominations become official upon endorsement by the Region 3 Committee.

## DEBBIE, VERNON POWERS HONORED AT PACE CONFERENCE

Past Region 3 Directors Deborah and Vernon Powers were awarded separate United States Activities Board "Citations of Honor" at the 1996 National PACE Conference in Phoenix, AZ.

Ms. Powers was recognized "For her direct and personal contributions in elevating engineering professionalism to a full-time, focused activity in Region 3, which has resulted in increased awareness for professional activities throughout the United States."



Debbie Powers

Mr. Powers was recognized "For his outstanding contributions to professional activities by originating and providing personal support for several projects concerned with employment assistance including the Electro-Technology Industry (ETI) Database, the ETI Database "User Card", the Automated Consultants' Network, the Region 3 Job-Listing Project, the Employer Initiative Special Project, and others related to the Region 3 Bulletin Board System."



Vernon Powers

Troy Nagle, IEEE Past President, stated, "Debbie has been the driving force behind Employment Assistance and PACE activities in the Region." In 1994, Deborah implemented an improved professional activities support infrastructure that will serve our members for years to come. She inspired Student Branches to undertake member service special projects and obtained the requisite funding to assure success.

Vernon spearheaded major Region 3 Projects such as the ETI Database, the Region 3 BBS, the Automated Consultants Network, and many others.

Congratulations Debbie and Vernon, and thanks for your dedicated service to IEEE and Region 3!

### 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: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



IEEE

ITEMS (All with IEEE Logos):	Cost Each	Quantity
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	_____
Total Amount of Order		\$ _____

# Region 3 Directory

## Region 3 Director

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# THE REGION 3 BBS

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