

### SITTING IN THE CHAIR

by Robert Struthers

The summer will be ending in a few weeks and the Fall activities of IEEE are beginning. You will see some interesting and educational activities planned by the chapter volunteers in the following pages.

An exceptional opportunity for the members in this area is the Petroleum and Chemical Industry Conference (PCIC) which is being held September 11-13. The PCIC is a part of the Industry Applications Society. If you are a member of IAS you have received a copy of the Conference program. If you are not an IAS member, you may still have interest in many of the papers and tutorials being presented. These presentations, while of particular interest to those in the target industries, will also be valuable to many who are working in other industrial venues. Please see the enclosed flier for additional information on the program for the conference.

One of the primary purposes of the IEEE is the advancement of theory and practice of electrical engineering. The organizational units that carry out this purpose are the technical societies. These societies maintain committees and working groups for preparation and revision of standards and recommended practices, conferences, publication, and review of papers and proceedings. The technical societies seem to be a well kept secret in the US regions of the IEEE. In US regions, the percentage of members who are also members of a technical society is 59%. In regions outside the US, 76% of IEEE members are also members of a technical society. Benefits of Technical Society membership are receiving the

Society's TRANSACTIONS or REVIEW which contain either full or abbreviated

technical papers which have been reviewed and published by the society, notices and programs of upcoming conferences, and directories of members, working groups and committees. These directories give members access to the groups which guide practice and standard making throughout the world. The technical societies also provide resources such as the distinguished lecturer program to the local chapters. Membership in technical societies is available at the time of your IEEE membership renewal. I recommend that you review the Society information that comes with the renewal information, and consider a society membership. I have been a member of two societies and believe the technical societies offer me the most value in membership.

Two technical areas that have been dormant local chapters for several years are the "Aerospace and Electronic Systems" and "Instrumentation and Measurement" societies. If there are members who wish to reactivate these chapters, please call Fred Jones, who will assist in bringing together interested parties to do that.

Elections for Denver Section officers will be held at the Annual Business meeting in October. This newsletter lists the officers that have been nominated by your Executive Board. Other nominations are encouraged, and should be submitted to the Section Chairman in writing and supported by a petition of at least ten (10) voting members of the Section.

### CANDIDATES FOR ELECTION

In October, at the section meeting the annual Denver Section election of officers will occur. You are strongly encouraged to attend this meeting and vote for the candidates of your choice. Although the Executive Board only nominates one person for each office, you are entitled to

submit other names of petition candidates. Those nominated by the board for the 1996 term are: Fred Jones for Chair-Elect, Ronald DeLyser for Senior Vice Chairman, John R. Adams for Vice Chairman Member Services, Cliff Ahlston for Vice Chairman Student Activities, Kevin Wright for Secretary and David Edwards for Treasurer. The term of office is one year. If for some reason someone must resign, the nominations chairman will present a new candidate for appointment.

# SIDETONES Signals from/about the Membership

During any calendar year the Denver Section changes a lot and presents interesting programs. However, much always remains the same. One of those things remaining the same is the need for volunteers. Due to personal work loads some of those offering their services must take a less active role. We now need an editor for the newsletter. We have had several people volunteer for portions of the work load but we need someone who has the time to pull it together and take it for composition. You do not need to type. We need a PACE chairperson. (Professional Activities). This is a fun job that requires a few hours per month and can done by several people.

### INDEX

Sitting in the Chair Candidates for Election

Sidetones

Society Chapter/Section Meetings 2

Cost of Advertising 3
The Event Horizon 3

Advertising 3,5,6

Those who have been involved with IEEE realize that you don't do the whole job by yourself but you break it down to small tasks for many to do. These committees can be lots of fun. Won't you call Darrell Sabatka or Bob Struthers today and get in on the fun. Volunteers are also needed for Region 5 committees.

Needing a job--have you considered using the WEB. Online Career Center and the Interactive Employment Network are two sources of job databases with approximately 2000 new job listings per week.

## SOCIETY CHAPTER & SECTION MEETINGS

### **Magnetics Society**

No information was received for the September meeting so please contact Dr. James Cates at 303-673-4126 for information.

### Lasers and Electro-optics Society

Contact Robert Feuerstein, University of Colorado, 303-492-7077 for information.

### **Engineering in Medicine and Biology**

Material was not received for publication. Please contact Norbert Kaula, CU Medical Center, 303-270-8973 for details on meeting.

### Joint Computer & Information Theory

No information was received for a September meeting. Please contact: Shahzad "Shah" Bhatti at 303-673-8915 for meeting information.

### **Black Hill Subsection**

Contact: Michael Pendo, 607-394-5278 for meeting information.

### **Centennial Subsection**

Contact: Richard Sandige, 307-766-6181 for meeting information.

### **Electromagnetic Compatibility Society**

This Chapter meets the second Tuesday of each month at 7PM at NIST, 325 Broadway, Boulder. All members and guests are welcome. Please check at the front desk for the room location. Contact: George Trejo, 303-350-4113

## Joint Vehicular Technology &Communications Society

Contact: Mark Schriver, 303-794-0838
Topic: ANTEC's Cable Integrated
Services Network (CISN). CISN is a
planned fiber/coaxial network spanning
households and CATV providers.

Speaker: Andrew Paff, ANTEC Corp. When: Thursday, Sept. 14,

Time: 6:30pm Dinner

7:30pm Meeting
Place: Garcia's Mexican Restaurant
5050 S. Syracuse St. Denver Tech Ctr.
I-25 Belleview exit (#199), drive East on
Belleview one block, turn north on
Syracuse, ½ block to restaurant
Contact: Dave Iliff (757-1797) or Mark
Schriver (303-698-9668)

### **Reliability Society**

Contact: Sam Keene, 303-673-5963 for more information.

### Joint Industry Applications & Power Engineering Society

Topic: TOUR of Public Service Company of Colorado Allison Substation When: Thursday, Sept. 21 @ 6:00pm

NO DINNER IS PLANNED

Description: 115/13KV state of the art low profile substation incorporating 30 foot high decorative walls and in and out high voltage cable feed to meet local "neighborhood" visual requirements. Tour to be conducted by PSCO engineers. Location: 4502 S. Balsam Way, Denver which is 1 block west of Wadsworth and 1 block south of Quincy, across from the Ford dealership. Use access road on south side of substation.

RSVP: Barbara at the Peterson Company, 303-388-6322 for a Hard Hat count.

### Components, Packaging, Manufacturing Technology Society

No information received for September meeting so please contact: Michael Erni, 303-678-2437

### Joint Antenna & Propagation, Microwave Theory & Techniques, and Geoscience & Remote Sensing Society

Topic: Advances in Microstrip Antennas Speaker: Prof. K.C. Gupta, Univ. Colo. When: Thursday, Sept. 21

Time: 4:00pm

Location: NIST, Room 1103, 325 Broadway, Boulder 80303

Contact: Richard Geyer, 303-497-5852

### **OTHER MEETINGS**

NETfair '95 sponsored by the Rocky Mountain LAN Users Group will present a comprehensive conference and trade show featuring the latest technological advancement in computer networking technology both in the classroom and on the exhibit floor. Subjects include:

Network Basics (hardware and software), interoperability, enterprise networking, network applications, managing networks, wide area networking, new developments, network case histories, case studies. See the *Event Horizon* for more information.

### **CALL FOR HELP**

Help Wanted: Section's Congress '96, hosted by the Denver and Pikes Peak Sections, will be held in Denver in November, 1996. The big social event of the Sections Congress will be on Saturday Night. With visitors from all over the world, we would like to do something characteristic of Colorado and the Rocky Mountains.

If you, or someone you know, is creative, likes to organize parties, and would like to help plan a really big one, your help would be very welcome. Contact John Reinert, 719-594-8005 (j.reinert@ieee.org) for more information. LET'S PARTY!!

### **NEWS FROM IEEE**

The USAB PACE conference will be held this year in Cedar Rapids, IA during Labor Day weekend.

The average salary for US members is \$59,700 with 14% reporting salaries of \$90,000 or more. (From IEEE's 1994 Member Opinion Survey)

The IEEE Financial Advantage Program is a booklet available (1-800-GET IEEE) which lists various benefits available to the membership including Credit Cards, Financial Planning, Realty, Insurance including discount prescription plan and vision care, prepaid phone cards, etc.

### **ADVERTISEMENTS**

Your business card or camera-ready artwork can be placed here for exposure to 5000+ engineers, scientists, and managers. Advertising rates are as follows:

AD Size

Single Mo. Multi-Mo.

AD Suc	Single Mo.	Widiti-Wio.	
Business Card	\$25	\$20	
1/8 Page	\$60	\$50	
1/4 Page	\$150	\$130	
½ Page	\$250	\$225	
Full Page	\$400	\$360	
1 Page Insert	\$250	\$200	
Send business car	rds or copy to Paul M	feisel, MagneTek,	
Inc., 1834 Fillme	ore Court, Lousiville	, CO 80027-1122.	
Make checks pays invoice if request	able to IEEE Denver ted in advance.	Section. We will	

### T3 Systems

### Thad Smith

We develop software and firmware for real-time measurement and control applications, targeting embedded microprocessors and PCs.

- Data Collection and Communications
- Motion Control, Custom Interfaces
- · User presentation in DOS & MS Windows

Free estimates

(303) 449-3322

# Ted Zrebiec Technical Training Specialist

Training for operation or support of hardware and software products.

- Custom training programs
- Video training tapes
- Training development courses

(303) 530-0533

### TEXTEK LTD.

"Your Electronic Candy Store"
5571 ARAPAHOE AVE
BOULDER, COLORADO 80303

CHERYLE DILLARD

(303) 443-3614 FAX (303) 443-0831

### The Engineering Department, Incorporated

Contract Design • Programming • Consulting

- · Embedded and real-time systems
- UNIX internals and device drivers
- C and assembler for 8-, 16-, and 32-bit processors
- A systems approach to development
- Commercial and government markets
- Mission-critical applications
- · Formal methods and CASE tools

303,499,6831

pat@sandt.com

trace a treeline. boulder. co. us

# IEEE ENGINEERS GUIDES TO BUSINESS SERIES

Close the gap between your technical knowledge and your business acumen with this exciting series from IEEE!

New!

STARTING A HIGH-TECH COMPANY Product # HL5707 ISBN 0-7803-2293-2

New!

TEACHING ON TV AND VIDEO Product # HL4689 ISBN 0-7803-2246-0

BUILDING INTERNAL TEAM-PARTNERSHIPS

Product # HL4655 ISBN 0-7803-0365-2

WINNING THE NEW PRODUCT DEVELOPMENT BATTLE Product # HL4630 ISBN 0-7803-0361-X

"HIGH-TECH" CREATIVITY
Product # HL4564 ISBN 0-7803-0329-9

WRITING FOR CAREER GROWTH Product # HL4523 ISBN 0-7803-0304-0

PRESENTATIONS THAT WORK
Product # HL4531 ISBN 0-7803-0305-9

Order individually for Member \$14.95, List \$19.95 or save over 10% when you order the entire series for Member \$94.95, List \$125.95. To order call 1-800-678-IEEE. For more information call (908) 562-5498.

A NEW Self-Study Course from IEEE Educational Activities...

# CELLULAR RADIO AND PERSONAL COMMUNICATIONS

by Theodore S. Rappaport, Virginia Polytechnic University

This new self-study course offers an in-depth introduction to the fastest growing area of communications technology, focusing on popular applications. With a future that promises even more advancement, there is a great demand for engineers who have up-to-date knowledge of the field.

Topics include: + Fundamental system design

- + Speech Coding + Mobile Radio Propagation
- + Multiple Access Techniques + Modulation Techniques + Cellular Networking + Channel Coding
- + Cellular Systems + Equalization and Diversity
- + Standards

Course contents: 600 page study guide; 500 page course reader; *Cellular Radio and Personal Communications, Selected Readings* by T. Rappaport; Final exam; Certificate and 8 CEUs upon completion

This course is available for Member price: \$279., List price \$369. Use product # HL4556. To order call 1-800-678-IEEE. For more information call Barbara Coburn at (908) 562-5498.

Piet   M.1	REGISTRATION  To qualify for Advanced Registration, Fee must be mailed thregistration payment no later than August 21, 1995.	FEE SCHEDULE	ш.	0
At Conf. Full Registration includes Conf.  Record, 2 luncheons & Mon. PM Social)  One Day Registration (price per day) \$100  Mon. Tues. Wed. (Circle Choices)  (One day fees do not include Conf. Record, luncheon, etc.)  Additional Luncheon & Social Trickets  Mon. Wed. (Circle Choices) Lunch \$25 each  Monday Night Social Registration and Advanced Registration Required)  Tutorials Thursday (all 1/2 day)  Advance Registration Required  (Conference Registration and Advanced Registration Lunchial B. Hazardous Location  Registration Required  Tutorial A - Type 2 Protection of \$55  Motors Starters  Tutorial B. Hazardous Location  SSS  Tutorial B. Hazardous Location  Testing  "If not preregistered ADD \$25  Guest Tours  Guest Tours  Tues. Tour 1 - Historic City Tour  Mon. Tour 1 - Historic City Tour  Mon. Tour 2 - Colorado Springs  Tues. Tour 4 - Georgetown/Silverthorne  Wed. Tour 5 - Cothill Tour  Wed. Tour 6 - City Tour	WAG A			
One Day Registration (price per day) \$100  Mon. Tues. Wed. (Circle Choices)  One day fees do not include Conf.  Record, luncheon, etc.)  Additional Luncheon & Social Tickets  Mon. Wed. (Circle Choices) Lunch \$25 each  Monday Night Social   \$35 each  Monday Night Social   \$35 each  Advance Registration Required  Conference Registration and Advanced  Registration Required)  Tutorial A - Type 2 Protection of  Registration Cation  Tutorial B - Hazardous Location  S55  Motors Starters  Tutorial B - Hazardous Location  Festing  **If not preregistered ADD \$25  Tutorial C - Relay Coordination  Guest Tours  Guest Tours  Guest Tours  Cal Committee  Mon. Tour 1 - Historic City Tour  Mon. Tour 1 - Colorado Springs  Tues. Tour 4 - Georgetown/Silverthorne  Wed. Tour 5 - Foothill Tour  Wed. Tour 6 - City Tour	Committee of the state of the s	ides Conf. Mon. PM Social)		
Additional Luncheon & Social Tickets  Monday Night Social  Tutorials Thursday (all 1/2 day)  Advance Registration Required  (Conference Registration and Advanced Registration and Advanced Registration Required)  Tutorial A - Type 2 Protection of  Registration Required)  Tutorial B - Hazardous Location  Protection Tech.  Tutorial C - Relay Coordination  Testing  ""If not preregistered ADD \$25  Guest Tours  Guest Tours  Mon. Tour 1 - Historic City Tour  Mon. Tour 1 - Colorado Springs  Tues. Tour 3 - Estes Park  Tues. Tour 4 - Georgetown/Silverthorne  Wed. Tour 5 - Foothill Tour  Wed. Tour 6 - City Tour	in Reference moltiple bring 1262 19A miles No. 194 A - noltiple bring 1262 19A miles No. 194 Billion Proposition of the Office o	(ses)		0
Tutorials Thursday (all 1/2 day)  Advance Registration Required  (Conference Registration and Advanced Registration Required)  Tutorial A - Type 2 Protection of \$55  Motors Starters  Tutorial B - Hazardous Location  Tutorial B - Hazardous Location  Tutorial C - Relay Coordination  S55  Tutorial D - Evaluation & Diagnostic \$55  Tutorial D - Evaluation & Septings \$55  Tutorial D - Evaluation & Septings \$55  Tutorial P - Evaluation & Septings	State/Prov.:	4	each	
S Member  S Member  Mon. Tour 1 - Historic City Tour  S Mon. Tour 2 - Colorado Springs  S Member  Mon. Tour 1 - Historic City Tour  S Sion Chairman  Tues. Tour 4 - Georgetown/Silverthorne  Wed. Tour 6 - City Tour  Wed. Tour 6 - City Tour  S Mon. Tour 5 - Foothill Tour  Wed. Tour 6 - City Tour  S Wed. Tour 6 - City Tour	ostal Code: Business Phone:	Required ion and A	paced	
S Member  S Member  Mon. Tour 1 - Historic City Tour  Mon. Tour 2 - Ecoquatom Silverthorne  S Member  Mon. Tour 1 - Historic City Tour  S Mon. Tour 2 - Colorado Springs  Tues. Tour 3 - Estes Park  Wed. Tour 5 - Foothill Tour  Wed. Tour 6 - City Tour  S Wed. Tour 6 - City Tour	oecial Meals;ease Indicate:			
S Member  S Member  Mon. Tour 1 - Historic City Tour  S sion Chairman  Tues. Tour 3 - Estes Park  Tues. Tour 3 - Estes Park  Tues. Tour 4 - Georgetown/Silverthorne  Wed. Tour 5 - Foothill Tour  Wed. Tour 6 - City Tour  S Wed. Tour 6 - City Tour  S Wed. Tour 6 - City Tour	IEEE Member No.			0 0
Guest Tours  S Member  Mon. Tour 1 - Historic City Tour reritus Ribbon Only Mon. Tour 2 - Colorado Springs ssion Chairman Tues. Tour 3 - Estes Park Tues. Tour 4 - Georgetown/Silverthorne Wed. Tour 5 - Foothill Tour Wed. Tour 6 - City Tour	IEEE Fellow Member No. IEEE Student Member No. Young Engineer's Tues. Luncheon	ADD		0 8
S Member Mon. Tour 1 - Historic City Tour reritus Ribbon Only Mon. Tour 2 - Colorado Springs ssion Chairman Tues. Tour 3 - Estes Park Tues. Tour 4 - Georgetown/Silverthome Wed. Tour 5 - Foothill Tour Wed. Tour 6 - City Tour	PCIC Executive Subcommittee First Time Attendee (Regist) First Time Attendee (Guest)	Guest Tours		
Wed. Tour 5 - Foothill Tour Wed. Tour 6 - City Tour	0000	Mon. Tour 1 - Historic City Tour Mon. Tour 2 - Colorado Springs Tues. Tour 3 - Estes Park Tues. Tour 4 - Georgetown/Silverthorne	\$50 \$60 \$45	
	lake all checks payable in U.S. Funds	Wed. Tour 5 - Foothill Tour Wed. Tour 6 - City Tour	\$45	

# September 11 - 14, 1995

Fall in the Colorado Rockies



# COLORADO

Industry Applications Society
42nd Petroleum & Chemical Industry Conference

Denver Marriott Tech Center 4900 S. Syracuse St. Denver, CO

Contact:

John Nelson - Conference Chairman c/o NEI Electric Power Engineering, Inc. P.O. Box 1265

Arvada, CO 80001 Tel: (303) 431-7895 or Fax (303) 431-1836

ective Motor Surge Capability." - F. Electric; R. L. Doughty, E.I. duPon

NEI, 303-431-7895 See insert for details.

**SEPTEMBER**[. - 11:30 A.]

TUESDAY,

SEPTEMBER

WEDNESDAY

:30

information.

Dec. 3-6, 1995 DRIP VI Defect Recognition and Image Processing in Semiconductors, Estes Park, CO. Contact Prof. Alan Mickelson, University of Colorado, 303-492-2762

Communication Support Services -- a small company properly devotes most of its effort to developing its product or service. Most small companies can benefit from expert support in communication. CSS offers consultation, formal classes, informal workshops, etc. Contact Miki Magyar @ 303-530-0788

Serving Colorado and The World — Since 1885 ■ Power ■ Mining & Metals Raytheon ■ Petroleum & Petrochemicals ■ Electronics ■ Aerospace & Defense PO Box 5888 Biotechnology Denver. CO 80217 Pharmaceuticals (303) 8432422 ■ Hazardous Waste Management ■ Food & Consumer Products ■ Airports:Infrastructure Environmental

### NOLAN LABORATORIES, INC Consultation, Design, Test and Manufacture

· Electromagnetics · Antennas

- - · Bioelectromagnetic Sensors

James A. Nolan, MSEE President

P.O. Box 567 Conifer, CO 80433 (303) 838 0057 Phone/Fax

# Metropolitan State College of Denver

### FUNDMENTALS OF ENGINEERING (F. E.) REVIEW COURSE

A review course for the national Fundamentals of Engineering (F.E.) examination will be offered on seven consecutive Saturday mornings on the Auraria campus from 9 September to 21 October 1995. The reviews will be held in room 107 of the South Classroom Building from 0800 to 1200. No academic credit or grades are given. A certificate of attendance will be given. Some of you may remember this VERY POPULAR review course as the Engineering In Training (E.I.T.) review course.

Registration for the course does not imply eligibility to take the Colorado State Board of Professional Engineers' exam which will given on Saturday, 28 October 1995. If you plan to take the F.E. examination, your completed application must be on file with the State Board Office approximately 19 weeks prior to the exam date. It is recommended that you call the Board at (303) 894-7788 for additional information.

	Tentative Autumn '95 F	.E. IXC IIC	W Schedule	
Date:	Class:	Points	Reviewer:	
Sep 9:	<b>Engineering Economics</b>	31	Margarete Ralston, P.E.	
16:	Math/Applied Mathematics	60	Ken Rager, Ph.D.	
23:	Chemistry	14	Jack Cummins, Ph.D.	
	Dynamics	14	Harold Zimbelman, P.E	
30:	Statics	54	George Rowley, P.E.	
Oct 7:	Mechanics of Materials	25	George Davis, P.E.	
14:	Thermo & Fluid Mechanics	48	Howard Paynter, P.E.	
21:	<b>Electrical Circuits</b>	34	Doyle Ellerbruch, P.E.	
	*Total Points:	280		

\* There are 140 one-point questions in the morning four-hour session and 70 two-point questions in the afternoon four-hour session.

Early registration is advised for the popular review course. A \$125 donation to the Engineering Technology Program is payable with registration (includes Michael R. Lindeburg's E.I.T. Reference Manual, latest edition).

Registration may be made by mailing \$125.00, NAME, ADDRESS and PHONE NUMBER to: Howard L. Paynter, P.E, Campus Box 90, Metropolitan State College of Denver P.O. Box 173362, Denver, CO 80217-3362.

For information contact:

### THE EVENT HORIZON

Sept. 11-13, 1995 Petroleum and Chemical Conference (IAS), Marriott Denver Tech Center, Contact: John Nelson, Sept. 27-29, 1995 International Professional Communication Conference, IPCC, Hyatt Hotel, Savannah, GA

Oct. 25-26, 1995 NETfair'95, Currigan Exhibition Hall, Denver, Contact: Larry McNiff, Datanet Services, Inc. Evergreen, CO 80439 or call 303-771-2000 for more

# WEDNESDAY,

:30

RPM, 3500 hp In-ed Drive for Refinery

"Copper to Aluminum Transitions in High Direc Bus Systems." - W.E. Veerkamp, Dow USA-Texas

SEPTEMBER
- 11:30 A.M. 1:30 A.M. Oil Pipelines. Howard L. Paynter, P.E., at: Phone: (303) 556-2977 or (303) 556-2976; E-mail: paynterh@mscd.edu; Fax: (303) 556-4385.

### The Institute of Electrical and Electronics Engineers--Denver Section

Chair	Chair Elect	Sr. Vice Chair	Vice Chairman Member Services	Vice Chairman Student Activities	Secretary	Treasurer
Robert Struthers	David Richmond	Fred Jones	John R. Adams	Ronald DeLyser	W. Kevin Wright	David Edwards
Raytheon Engineers	Raytheon Engineers	EMC Engineers	Valley Lab Inc.	Denver University	NEI, Inc.	RMH Group
& Constructors	& Constructors	2750 S. Wadsworth	5920 Longbow Drive	Dept. of Engineering	P.O. Box 1265	12600 W. Colfax
P.O. Box 5888	P.O. Box 5888	Denver, CO 80227	Boulder, CO 80301	2390 S. York Street	Arvada, CO 80001	Lakewood, CO 8021:
Denver, CO 80217	Denver, CO 80217	303-988-2951	303-530-6503	Denver, CO 80208	303-431-7895	202-239-2771
303-843-2235	303-843-2465 d.richmond@ieee.org	303-985-2527 Fax		303-871-2034	303-431-1836 Fax	06-707 shqs2

Society Chapters--Fred Jones, 303-988-2951 Awards, Paul Meisel, 303-673-9930 Student Fund--Edward Pitchkolan, 303-966-3707 Student Branch Activities--Cliff Alston, 303-329-3340 X290 Consulting Network, Tim Davis, 303-466-1117, timdavis@tdcon.com Professional Activities (PACE), Paul Meisel, 303-673-9930 Black Hills Subsection--Michael Pendo, 605-394-5278 Centennial Subsection--Richard Sandige 307-766-6181

### **CHAPTER OFFICERS**

Magnetics--James Cates, 303-673-4126, Fax 303-673-6540
Joint Vehicular Tech/Communications--Mark Schriver, 303-698-9668
Joint Industry Applications/Power Engineering--Jim Houlihan,303-841-8982
Reliability--Sam Keene, 303-673-5963
Laser & Electro-Optics--Robert Feuerstein, 303-492-7077
Components, Packaging, Mfg. Tech--Michael Erni, 303-678-2437

Nominations--Darrell Sabatka, 303-329-1547
Professional/Industry Liaison--Tony Thomas, 303-753-2253
Membership--Heather Karels, 303-843-2816
Pre-College Student Activities--Jeff Wilson, 303-388-6322
Educational Activities-Conference Activities--Jim Schroeder,449-4109,Fax440-8121
E-mail: jshroed@du.edu
RockIEEE Overlook Editor, Paul Meisel, 303-673-9930,Fax673-9936
E-mail: p.meisel@ieee.org

Joint Computer/Information Theory--"Shah" Bhatti, 303-673-8915 Electromagnetic Compatibility--George Trejo, 303-350-4113 Engineering in Medicine & Biology--Norbert Kaula, 303-270-8973 Joint Antenna & Propagation/Microwave Theory & Tech/ Geoscience & Remote Sensing--Richard Geyer, 303-497-5852

The Institute of Electrical & Electronics Engineers, Inc.

Denver Section 1834 Fillmore Court Louisville, CO 80027-1122

RockIEEE Overlook
Official Newsletter of the
IEEE Denver Section

PLEASE DELIVER TO

Non Profit Org. U.S. Postage PAID Denver, CO Permit No. 1993

08/08/95 DNVR
DAVID RICHMOND
2921 SO SIDNEY COURT
DENVER
CO 80231