

RockIEEE Overlook



September 1994

Sitting in THE Chair

Darrell Sabatka, Section Chair

The summer is fast coming to a close and its time to focus our volunteer time back on IEEE activities. The month of June was busy for many IEEE volunteers as the IEEE Board of Directors held their week-long meeting, June 15th through the 22nd. Several members of the local Section Executive Committee had the opportunity to attend some of the activities. Personally, I attended the Organizational Retreat on Friday, the Awards Ceremony on Sunday evening, and the Industry Relations Lunch on Wednesday. The experience was very rewarding, an experience I will not forget.

Last May our Society Chapters Chair, Fred Jones, presented an excellent training session for chapter officers. The Section provides this training opportunity to help new chapter officers get started and also to identify areas where the Section can improve its service to the chapters. Thank you Fred for a job well done.

The Executive Committee is always looking for new volunteer leaders. One of the Section's cornerstones is John Tary. John is a tremendous leader and an asset to the Denver Section and to Region 5. John would like to channel his energies into students and let others fill his present shoes (size 16EE). John will continue as Newsletter Editor through the end of the year. John will also stay active on the large conferences but the Section is looking for a rising star to fill the position of Conference Chair. If you like pizza and soft drinks, give me a call. I will send you the position responsibilities written into our charter or John Tary would be happy to visit with you personally. The perks that come with these

positions are too numerous to mention here! These positions will help you build a huge professional network—you never know whose job might be on the block.

ATTENTION!

Something's on fire in this column!

- The Fourth Annual Regional Symposium on Electromagnetic Compatibility, at NIST, Boulder on June 10, was an assortment of excellent papers. Bob German, Henry Ott Consultants, Boulder does a great job staging this symposium and has the grateful appreciation of the Denver Section.

- Steve Williams, Chief Application Engineer, Charles D. Jones Company was the winner of the IEEE Dictionary at the Rocky Mountain Technology Expo, May 4-5, Denver. Congratulations Steve.

- Computer Swap and Shop, at the Regency Hotel, 38th & I-25, dates are August 13, September 10, October 8 and November 12. For more information, contact Computer Alliance, 1515 S. Sheridan, Lakewood, CO 80232, (303) 727-8708

- We welcome James A. Nolan, President, Nolan Laboratories, Inc. to our list of advertisers. The very best of good wishes to you Mr. Nolan.

- The key to an engineer's career vitality is through life-long learning — both technical and non-technical — and is essential for engineers to remain competitive. This is one of several conclusions reached by approximately 100 participants from industry, government, academia and professional associations at "Industry 2000", (May 12-

13, Denver) the recent workshop on career vitality sponsored by the IEEE.

- For additional information on the Rocky Mountain Inventors and Entrepreneurs Congress (RMIC) please call Corny Snyder, (303) 322-7887.

- National Engineers Week 1995 will highlight engineering in everyday life. The 45th annual National Engineers Week, scheduled for February 19-25, 1995 is chaired by the American Institute of Chemical Engineers (AIChE). The theme for the week is "Engineers: Turning Ideas into Reality". For free planning kits, contact National Engineers Week, P.O. Box 1270, Evans City, PA 16033, (412) 772-0950.

- Radiation meeting to highlight measurement quality issues surrounding quality assurance of radiation measurements for manufacturing, environmental, medical and other industries will be the focus of the third annual meeting of the Council of Ionizing Radiation Measurements and Standards (CIRMS). The meeting is hosted by NIST, on Nov. 16-18, 1994 in Gaithersburg, Maryland. For information contact Bert Coursey at (301) 975-5584, FAX (301) 869-7682.

please continue on page 7

INDEX

Sitting in THE Chair	1
ATTENTION!	1
Society Chapter Meetings	2
The Event Horizon	2
Positions Available	7
Advertisements	7
Denver Section Directory	8

Society Chapter Meetings

Joint Vehicular Technology/Communications Societies

Chapter Meeting

Date: Tuesday September 13, 1994
6:30 pm Dinner
7:30 pm Program

Location: Garcia's Mexican Restaurant
I-25 and Bellevue

Speaker: Larry Jelsman, Consultant
formerly with JPL

Topic: *Vehicular Identification*

For detailed information please call Dave Illiff, Chapter Vice Chair
(303) 757-1797

ALSO, see PES/IS meeting announcement on back page.

The Event Horizon

Nineteen Ninety Four

September

8 **The Assoc. of Colorado Telecommunications Professionals.** For information call, (303) 628-6964
28-29 **T&D Maintenance Management.**
Colorado Springs, Mark Swan, (719) 636-5501

October

2-6 **IEEE Industry Application Society Annual Meeting.** Denver, Chair: Paul Meisel, MagneTek, (303) 673-9930, FAX (303) 673-9936
6-7 **NETfair '94 (formerly known as LANfair).**
Denver, Info Mark Cramer, (303) 771-2000
20 **UTC Fall Technical Conference.**
Fort Collins, Mike Schmitz, PRPA, (303) 229-5269
25-27 **NRECA, '94 Regional Meeting.**
(National Rural Electric Cooperative), Denver,
Mary Smallwood, (202) 857-9553

November

10 **The Assoc. of Colorado Telecommunications Professionals.** For information call, (303) 628-6964

Years to Come...

January-1995

4-7 **URSI, National Radio Science.**
Boulder (303) 492-7123 September - 1995
10-14 **IEEE Petroleum & Chemical Meeting.**
Denver, Chairman, John Nelson: Nelson Engineering, (303) 431-7895

July-1996

27-2nd **IEEE Power Engineering Summer Meeting.**
Denver, Chairman: Gary Petersen, Public Service
Company of Colorado, (303) 329-1506

November-1996

1-4 **Sections Congress.**
Denver Chairman, John E. Martin, (303) 233-0023

Summer 1997

Microwave Theory and Techniques (MTT).
Denver, Hussain Haddad, John Dunn, and/or Claude
Weil, (303) 497-5303

August 1998

14-19 **EMCS Symposia.**
Denver, R.E., (Ev) Evans, (303) 761-9447

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

NOLAN LABORATORIES, INC.

Consultation, Design, Test and Manufacture

- Electromagnetics
- Antennas
- RF & Microwave
- EMI/RFI
- Optics
- Bioelectromagnetic Sensors

James A. Nolan, MSEE
President

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

THE 1994 IEEE INDUSTRY APPLICATIONS SOCIETY 29TH ANNUAL MEETING DENVER, COLORADO

The Denver Committee of the 1994 Industry Applications Society Annual Meeting welcomes you to this October event. We have planned an interesting and informative meeting. In addition, you can look forward to interesting industrial and partner tours.

The Sheraton Denver Tech Center Hotel is anxious for your visit and is continuing to improve their responsiveness. You should enjoy being at this hotel and you will enjoy the pool and the exercise room. Our auxiliary hotel is the Hyatt Regency at the Denver Tech Center. This hotel is about two blocks from the Sheraton.

This will be a business casual dress conference. **This means that you are appropriately dressed without a tie for all functions except the President's Banquet where a coat and tie are recommended.** Lady partners should dress appropriately for the functions in which they participate.

There are approximately 347 papers which will be presented and five tutorials. All of this will occur from Sunday through Thursday. Since Colorado is a beautiful state, we suggest that you arrive early on Saturday before the conference and stay until the following Sunday to enjoy the area.

The Partners will be busy with several optional trips to the mountains including Vail, Breckenridge, Georgetown, Estes Park and Rocky Mountain National Park. The Partners Program Chairperson, Linda Foley, has suggestions for partners who would rather remain closer to the Denver area. This information will be available at the conference.

There are three industrial tours with limited space availability. Please sign up early so that you won't miss these functions. It is always interesting to see other businesses and how they use electrical controls to manufacture efficiently.

This conference has many committee meetings and working sessions in addition to the six and seven simultaneous technical sessions. Please plan your schedule early to enjoy as much of the conference as possible. This year, for the first time ever, there will be a welcoming session on Monday morning. Look forward to an exciting and unexpected speaker. Adding this speaker means the Monday morning sessions will begin slightly later than in previous conferences. Authors should prepare the evening before with their visuals and instructions from their session leaders.

Again, look forward to an informative and happy conference in Denver.

Paul Meisel - Conference Chairman
MagneTek Incorporated
1834 Filmore Court
Louisville, Colorado 80027-1122
Tel: 303-673-9930, FAX: 303-673-9936
Email: p.meisel@ieee.org

• GENERAL INFORMATION •

You are invited to attend the 29th Annual meeting of the IEEE Industry Applications Society in Denver at the Sheraton Denver Tech Center. This will be your opportunity to participate in technical committee meetings, hear technical papers by authors from around the world, learn about new concepts, and meet colleagues and friends. There will be many technical tours and social events for attendees and their partners. The Denver Section of IEEE and the 1994 Conference Committee extend a sincere invitation to each of you to join us in Denver. For any additional questions, please write or call.

Registration is a prerequisite for attendance at the technical programs, committee meetings and tutorials. The registration desk will be open for pre-registration on Saturday, October 1 from 1:00 p.m. until 7:00 p.m. and on Sunday, October 2 from 7:30 a.m. until 7:00 p.m.

Full conference registration provides the registrant with the conference record, admission to all technical programs, the Sunday evening reception, the conference breakfasts, the Awards Luncheon, and the President's Banquet on Wednesday evening.

Daily registration covers only the admission to the technical programs for the day of registration.

The conference record and tickets for other activities may be purchased separately. Life and Student members may attend all technical sessions and the Sunday evening reception free of charge.

For the convenience of the attendees, arrangements have been made to mail the conference record. Please inquire at the registration desk for the cost and location of the mailer for the conference record.

Registration for technical tours and partner activities must be received with full payment by September 23, 1994. Individual tours are subject to cancellation if the minimum numbers of participants is not met by September 23. Such cancellations will result in full refunds. Refunds for any other reason will not be permitted. However, tour tickets are transferable to other attendee. tour registration, while at the conference, will be limited based on the space available.

Conference registration cancellations received by September 16, 1994 will be fully refunded. Cancellations received after September 16 will result in the cost of the conference record and mailing fees being deducted before the refund. **No refunds will be made after September 23, 1994.**

1994 IAS ANNUAL MEETING SESSION SCHEDULE

SUNDAY, OCT. 2	MONDAY, OCT. 3	TUESDAY, OCT. 4	WEDNESDAY, OCT. 5	THURSDAY, OCT. 6	FRIDAY, OCT. 7
8:00 A.M. TUTORIAL 1: Reluctance Motors TUTORIAL 2: Red Book TUTORIAL 3: Power Electronics and Spice Simulation TUTORIAL 4: Introduction to C Programming	8:45 A.M. Electric Machines I Electrostatic Processes I Industrial Automation and Control I Industrial Drives I Industrial Power Converter I Metal Industry I Power Electric Dev. & Comp. I	8:30 A.M. Electric Machines III Industrial Automation & Control III Industrial Drives III Industrial Power Converter III Power Electronics - Components III Power Systems Engineering I Power systems Protection I	8:30 A.M. Electric Machines V Industrial Automation & Control V Industrial Power Converter V Production and Application of Light I Rubber & Plastic Committee I Power Electric Dev. & Component V I & CPS Codes & Standard Com. I Power Systems Eng. III	8:30 A.M. Electric Machines VII Industrial Automation & Control VII Industrial Drives VII Industrial Power Converter VII Mining Industry Committee I Production and Application of Light III Power Systems Engineering V	
		12 NOON AWARDS LUNCHEON			
1:00 P.M. TUTORIAL 1: Continued TUTORIAL 2: Continued TUTORIAL 3: Continued TUTORIAL 5: Power Device Modeling	2:00 P.M. Electric Machines II Electrostatic Processes II Industrial Automation and Control II Industrial Drives II Industrial Power Converter II Metal Industry II Power Electric Dev. & Comp. II	2:00 P.M. Electric Machines IV Industrial Automation & Control VI Industrial Drives IV Industrial Power Converter IV Power Electronics - Components IV Power Systems Engineering II Power Systems Protection II	2:00 P.M. Electric Machine VI Industrial Automation & Control VI Industrial Drives VI Industrial Power Converter VI Production and Application of Light II Power Systems Engineering IV	2:00 P.M. Electric Machines VIII Industrial Automation & Control VIII Industrial Drives VIII Industrial Power Converter VIII Mining Industry Committee II Power Systems Engineering VI	
6:00 P.M. WELCOME RECEPTION	HOSPITALITY ROOMS	HOSPITALITY ROOMS	6:00 P.M. PRESIDENT'S BANQUET HOSPITALITY ROOMS	HOSPITALITY ROOMS	

IEEE-IAS ANNUAL MEETING
OCTOBER 2-6, 1994
• SHERATON DENVER TECH CENTER •
HOTEL REGISTRATION FORM
SCHEDULE OF RATES

For better choice of accommodations, early reservations are suggested. If rate requested is not available, the next available rate will be confirmed. Rooms will be held until 6:00 p.m. on stated day of arrival, unless a later time is confirmed. All room rates are subject to additional charges equivalent to State, County and City taxes.

Sheraton Denver Tech Center (303) 779-1100

Rates to apply: Name _____

Single/Double Address _____ Zip _____
\$97

Phone _____

Arrival Date _____ Time _____

Departure Date _____
CHECK OUT TIME - 12 NOON. RESERVATIONS MUST BE RECEIVED ONE MONTH PRIOR TO YOUR ARRIVAL DATE.

CREDIT CARD NO. _____ EXP. DATE _____
AMEX _____ VISA _____ MASTERCARD _____ DISCOVER _____

IEEE-IAS ANNUAL MEETING
OCTOBER 2-6, 1994
• HYATT REGENCY TECH CENTER •
HOTEL REGISTRATION FORM
SCHEDULE OF RATES

For better choice of accommodations, early reservations are suggested. If rate requested is not available, the next available rate will be confirmed. Rooms will be held until 6:00 p.m. on stated day of arrival, unless a later time is confirmed. All room rates are subject to additional charges equivalent to State, County and City taxes.

Hyatt Regency Tech Center (303) 779-1234

Rates to apply: Name _____

Single/Double Address _____ Zip _____
\$97

Phone _____

Arrival Date _____ Time _____

Departure Date _____
CHECK OUT TIME - 12 NOON. RESERVATIONS MUST BE RECEIVED ONE MONTH PRIOR TO YOUR ARRIVAL DATE.

CREDIT CARD NO. _____ EXP. DATE _____
AMEX _____ VISA _____ MASTERCARD _____ DISCOVER _____

1994 IEEE Industry Applications Society Conference Registration Form

Denver, Colorado October 2-6, 1994 Sheraton & Hyatt Regency, Denver Tech Center

First Name _____ M.I. _____ Last Name _____

First Name for Badge (if different than above) _____ IEEE Membership No. _____

Company _____ Room #, P.O. Box # or Mail Code _____

Street Address _____ City _____ State or Province _____

Country _____ Zip Code _____

Telephone Number _____ Fax Number _____

____ IAS Officer ____ IAS Executive Board ____ Session Chair ____ Author ____ Life Member ____ Student

Partner First Name (if attending) _____ Last Name (if different than above) _____

Handicap/Need Help _____ Special Diet/M Meal _____

REGISTRATION - Full Registration (includes Technical Sessions, Conference Record, Continental Breakfast, President's Dinner, Awards Lunch & Sunday Welcome Reception)

NO REGISTRATION FEE FOR STUDENTS, LIFE MEMBERS & UNEMPLOYED MEMBERS

IEEE Member Registration	Code/Qty	Before Sept. 1	After Sept. 1	Total
Full (5 Days)	1 _____	\$300	\$375	\$ _____
1 Day (specify date) _____	2 _____	\$125	\$125	\$ _____

Non IEEE Registration

Full (5 Days)	3 _____	\$375	\$475	\$ _____
1 Day (specify date) _____	4 _____	\$160	\$160	\$ _____

OPTIONS (In addition to Registration Fee)

Reception (Partners, 1 Day, Life Members)	A _____	\$10	\$10	\$ _____
1 Day Breakfast	B _____	\$10	\$10	\$ _____
Awards Luncheon	C _____	\$20	\$20	\$ _____
President's Dinner	D _____	\$35	\$35	\$ _____

Tutorial:

#1 Synchronous Reluctance Motors	E _____	\$175	\$175	\$ _____
#2 Introduction to C/C ++	F _____	\$125	\$125	\$ _____
#3 (1/2 Day) Power Electronics	G _____	\$75	\$75	\$ _____
#4 Surge Protection	H _____	\$190	\$190	\$ _____
#5 (1/2 Day) Models for Circuit & System	I _____	\$75	\$75	\$ _____
Additional Conference Record	J _____	\$60	\$60	\$ _____

Shipping of Conference Record available on site with private contractor

INDUSTRIAL TOURS

#1 Monday - OEA	K _____	\$20	\$ _____
#2 Tuesday - NREL	L _____	\$20	\$ _____
#3 Wednesday - Light Rail	M _____	\$20	\$ _____

ADDITIONAL EVENTS

Partner Activities, Mon * Mansions	N _____	\$29	\$ _____
Partner Activities, Tues #1* Breckenridge	O _____	\$24	\$ _____
Partner Activities, Tues #2 * Vail	P _____	\$25	\$ _____
Partner Activities, Wed #1* Estes Park	Q _____	\$43	\$ _____
Partner Activities, Wed #2 * Colo Springs	R _____	\$25	\$ _____
Partner Activities, Thurs #1 * Rocky Mnt Pk	S _____	\$29	\$ _____
Partner Activities, Thurs #2 * Georgetown	T _____	\$24	\$ _____

TOTAL AMOUNT

Make all checks payable to 1994 IEEE-IAS Annual Meeting

All fees payable in U.S. Funds

Credit Card (please check one) _____ American Express _____ Master Card _____ Visa _____

Credit Card Number _____ Expiration Date _____

Cardholder's Signature _____

MAIL TO: John Tary, IEEE, P.O. Box 581; Louisville, Colorado 80027 or **FAX TO:** (303) 673-9936

COMMITTEE & WORKING GROUP MEETING SCHEDULE

SUNDAY, OCTOBER 2

PSP - Blue Book WG	Plaza 4	1:00-6:00 pm
PSP Comm. Mtg. / NEC Revisions	Plaza 4	7:00-9:00 pm
I&CPS - Energy Sys Bronze Book WG	Plaza 5	5:00-6:00 pm
PSEC - Exec. Comm.	Board Rm.	6:00-9:00 pm

MONDAY, OCTOBER 3

Industrial Drives Committee	Empire 4	4:00-7:00 pm
PSEC - Brown Book WG	Plaza 1	8:45-9:45 am
PSEC - Power Sys Maintenance SC	Plaza 1	10:45-11:45 am
PSEC - Low Volt Pwr Skt Brkr WG	Plaza 1	11:45-12:45 pm
PSEC - Gold Book WG	Plaza 1	1:45-2:45 pm
AD HOC - Zucker Committee	Plaza 1	2:45-3:45 pm
PSEC - Yellow Book WG	Plaza 4	8:45-9:45 am
PSEC - Violet Book WG	Plaza 4	10:45-11:45 am
PSEC - Red Book WG	Plaza 4	11:45-12:45 pm
PSEC - Power Sys Analysis SC	Plaza 4	1:45-2:45 pm
I&CPS - Codes & Standards Comm	Plaza 4	2:45-4:45 pm
I&CPS - Indust & Com Generation SC	Plaza 4	4:45-5:45 pm
I&CPS - Energy Systems Committee	Plaza 4	5:45-6:45 pm
PSEC - Green Book WG	Plaza 5	10:45-11:45 am
PSEC - Power System Grounding SC	Plaza 5	11:45-12:45 pm
Electrostatic Process Committee	Plaza 5	5:45-7:15 pm
PSEC - Voltage Sag WG	Plaza 6	10:45-11:45 am
PSEC - Power Sys Reliability SC	Plaza 6	2:00-4:00 pm
PSEC - Power Sys Engr Comm	Plaza 6	4:00-6:00 pm
PSEC - Orange Book WG	Sem. 1	8:45-9:45 am
PSEC - Emerg & Standby Pwr Sys SC	Sem. 1	9:45-11:45 am
Ind Pwr Conv - IPCSD Exec Comm	Sem. 2	11:45-1:45 pm
PSEC - Gray Book WG	Sem. 3	8:45-9:45 am
PSEC - White Book WG	Sem. 3	9:45-10:45 am
PSEC - Emerald Book WG	Sem. 3	10:45-11:45 am
PSEC - Power Sys Design SC	Sem. 3	1:45-2:45 pm
Chapters Dept Workshop	Sem. 3	2:45-4:45 pm
PSP - Motor Util Multi-Func Relay WG	Sem. 5	8:45-10:15 am
PSP - Static Relay App Group	Sem. 5	10:15-11:45 am
PSP - Buff Book WG	Sem. 5	1:00-2:30 pm
PSP - Prot & Coord SC	Sem. 5	2:30-3:00 pm
PSP - Low Volt Prot SC	Sem. 5	3:00-3:30 pm
PSP - Power Quality SC	Sem. 5	3:30-4:00 pm
PSP - Med Volt Prot SC	Sem. 5	4:00-4:30 pm
PSP - Power Sys Prot Comm	Sem. 5	4:30-6:30 pm

TUESDAY, OCTOBER 4

Exec Board - Nominating Comm	Board Rm	8:00-10:00 am
Exec Board - Financial Planning	Board Rm	10:00-12:00 pm
Ind Power Converter Comm	Empire 5	4:30-7:00 pm
I&CPS - Dept Operating Comm	Plaza 1	4:00-6:00 pm
Publ Dept - Trans Advis Board	Plaza 4	8:00-10:30 am
Publ Dept - Newsletter/Mag Boards	Plaza 4	2:00-5:00 pm
IA&CC - IEEE 518 SC	Plaza 5	8:30-12:00 pm
Exec Board - Long Range Plan Comm	Sem. 2	5:00-7:00 pm
Pwr Electronic Comps & Devices	Sem. 3	5:30-6:30 pm

WEDNESDAY, OCTOBER 5

Executive Board Meeting	Plaza 3	8:00-12:00 pm
IAS Council Meeting (& Lunch)	Plaza 6	12:00-2:00 pm
Ind. Autom & Control Comm	Plaza 3	4:30-6:00 pm
Electric Machines Comm	Empire 1	4:45-6:00 pm
Int'l Council on Pwr Elec Coop	Empire 5	1:00-5:00 pm
Tech Prgm Planning - 95 Ann Mtg	Theatre	3:00-4:00 pm

THURSDAY, OCTOBER 6

Prod & App of Light Comm	Plaza 5	2:00-4:00 pm
Mining Industry Comm	Empire 6	4:30-5:00 pm
Nat'l Motors & Drives Steering Comm	Plaza 6	1:00-5:30 pm

FRIDAY, OCTOBER 8

Nat'l Mtrs & Drvs Steering Comm (EPR)	Plaza 6	8:00-5:00 pm
---------------------------------------	---------	--------------

Attention!: continued from page 1

• NIST is seeking applicants to serve on the 1995 board of examiners for the Malcolm Baldrige National Quality Award. In addition, quality experts from the health care and education communities are needed to participate in a pilot program. Deadline for examiner applications are due Nov. 1, 1994. Contact the Malcolm Baldrige National Quality Award Office, at (301) 975-2036, FAX (301) 948-3716.

• For the past twenty years we have had the good fortune to be the Denver Section Conference Committee Chairman/Coordinator. Now we feel it is time to step aside and ask for a replacement. The position does offer diversity to a technical career. Where else in IEEE can you learn the basics of profit and loss, proposal writing, salesmanship, interaction with the business community and working with the great group of dedicated IEEE members. If interested call Darrell Sabatka, (330) 329-1547.

Positions Available

Quality Assurance and Instrumentation/Software,

Contact, Karl Mount, Johnson & Johnson, HR Staffing Consultant, Suite 601, 2805 North Oaks Blvd., North Brunswick, NJ 08902, (908) 417-2446.

Director, Design and Development. A mid-Atlantic Fortune 500 Company, Contact, Dianne Downey, Diversified Search, Inc., 2005 Market Street, Suite 3300, Philadelphia, PA 19103, (215) 568-8399.

Robotics Engineer in R&D Dept, Plasma Engineer, Manufacturing Engineer, Application Engineer. Contact Larry S. Miller, Cleveland, Ohio, (216) 449-2279, FAX (216) 449-4718

Digital Design Engineer. Send resume to, Director of Engineering, 1148 Boston Ave., Longmont, CO, 80501, (303) 772-5933, x2622, FAX (303) 776-1883.

Director of Engineering Services, Director of Transmission & Distribution, Project Manager, Plant Engineering, Energy Management System Project Manager, Distribution Engineer Planning Engineer (Transmission and/or Generation), Sales Engineer, Plant/Performance Engineer, Telecommunications Engineer, Transmission Engineer and other utility industry related positions. Contact, Stephen C. Dowdy, Mycoff & Associates, 13506 Ponderosa Dr., Conifer, CO, (303) 838-7445, 1-800/525-9082, FAX (303) 838-7428.

Director, Advanced Electronics Group. Contact, Jo A. Bennett, VP, Battalia Winston International, 300 Park Ave., New York, NY 10022, (212) 308-8080, FAX (212) 308-1309.

Analog IC Design Engineer - CCD Design Engineers. Send resume to, Professional Recruiting, Q-DOT, Inc., 1069 Elkton Drive, Colorado Springs, CO 80907.

Project Engineer. Growth Opportunity, Industry leader in the manufacture of electrical instrumentations. Fortune 500 Company, Call CMC Consultants, (312) 670-5300, FAX (312) 670-5333.

Serving Colorado and The World

— Since 1885 —

- Power
- Mining & Metals
- Petroleum & Petrochemicals
- Electronics
- Aerospace & Defense
- Biotechnology
- Pharmaceuticals
- Hazardous Waste Management
- Food & Consumer Products
- Airports/Infrastructure
- Environmental

Raytheon
Engineers & Constructors

P.O. Box 5888
Denver, CO 80217
(303) 8432422

FICHTNER ENGINEERING, INC.
2801 Youngfield St.
Suite 121
Golden, CO 80401

Phone (303) 238-7548
Telefax (303) 238-7798

John J. Tary
Telecommunications

FICHTNER

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.	Multiple Mo.
Business Card	\$25	\$20
1/8 Page	\$60	\$50
1/4 Page	\$150	\$130
1/2 Page	\$250	\$225
Full Page	\$400	\$360
1 Page Insert (You provide copies)	\$250	\$200

Send business cards or copy and check to John Tary, 7739 Spring Drive, Boulder, Colorado, 80303-3036. Make checks payable to IEEE Denver Section. We will invoice if so desired.

The Institute of Electrical and Electronics Engineers Denver Section

Chair	Chair Elect.	Sr. Vice Chair	Vice Chair	Vice Chair	Secretary	Treasurer
Darrell Sabatka, Public Service Co. of Colorado 5525 E. 38th Ave., Denver, CO 80207 (303) 329-1547	Diana Lindstrom 7377 Arbutus Ct. Arvada, CO 80005 (303) 988-2951	Robert Struthers Raytheon Engineers and Constructors P.O. Box 5888 Denver, CO 80217 (303) 843-2235	<i>Member Services</i> Michael Meister NTIA/ITS.N4 325 Broadway Boulder, CO 80303 (303) 497-6571	<i>Student Activities</i> Chidambar Ganesh Co. School of Mines Dept. of Elect Eng. Golden, CO 80401 (303) 273-3761	Kevin Wright NEI Electric Power Engineering, Inc. P.O. Box 1265 Arvada, CO 80001 (303) 431-7895	David Richmond Raytheon Engineers and Constructors P.O. Box 5888 Denver, CO 80217 (303) 843-2465
Past Chair- H. Paul Meisel 673-9930		Membership - Heather Silseth, (303) 843-2816, FAX 843-2208				

Executive Committee

Society Chapters: Fred Jones, EMC Engineers, Inc., (303) 988-2951
Conferences: John Tary, Tary Associates, (303) 499-2164
Awards: Gary Petersen, Public Service Company of Colorado,
(303) 329-1506
Student Fund: Edward Pitchkolan, (303) 966-3707
Nominations: H. Paul Meisel, MagneTek Corporation Automation Technologies,
(303) 673-9930
Membership: Heather Silset, Raytheon Engineers and Constructors,
(303) 843-2816, FAX (303) 843-3641
Professional/Industrial Liaison: Tony Thomas, GE Micro Switch Control, Inc.,
(303) 792-1673
Pre-College Student Activities: Jeff Wilson, Peterson Company, (303) 388-6322
Student Branch Activities: Dan Greco, (303) 363-7291

Joint Power Engineering & Industry Application Societies

**Tour - Denver International Airport at
11 AM August 3rd, 1994**

RSVP: Call Barbara at Peterson Co. (303) 388-6322

For more information call Phil Goldhammer (303)673-5342

Attendance will be limited to the first 60 people who call.

Directions:

- 1 170 East to Tower Road
- 2 Turn left on Tower Rd. and drive to 56th Ave.
- 3 Turn right and drive 5 miles to Valleyhead Road.
- 4 Turn left and drive 1 mile to parking lot.
- 5 Drive to the Southwest corner of parking lot and park near Bus Shelter #1.

The bus will start boarding at 10:45 AM

Black Hills Subsection

Chair
R. D. McNeil
South Dakota School of
Mines & Technology
(605) 394-2452

Centennial Subsection

Chair
Sadrul Ula
University of Wyoming
Laramie, WY 82071
(307) 766-6268

RockIEEE Overlook Team

Editor
John Tary, ...
7739 Spring Drive
Boulder, CO 80303-5036
(303) 499-2164 Phone
(303) 673-9936 FAX

Publisher
Tim Davis
(303) 466-1117 Phone
(303) 466-1118 FAX



Denver Section
7739 Spring Drive
Boulder CO 80303-5036
(303) 499-2164
(303) 673-9936 fax

RockIEEE Overlook
Official Newsletter of the
IEEE Denver Section

PLEASE DELIVER TO:

07/16/94 DNVR
DAVID B RICHMOND
2921 SO SIDNEY COURT
DENVER CO 80231

