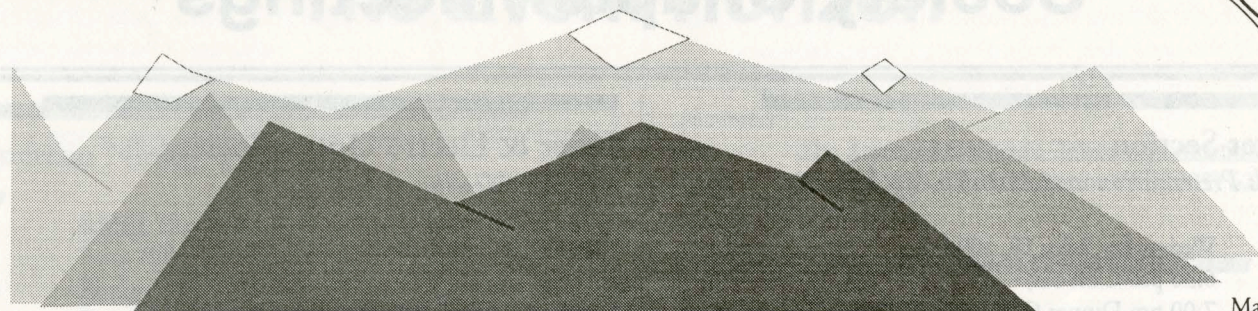


# RockIEEE Overlook



May 1994

## Sitting in THE Chair

*Darrell Sabatka, Section Chair*

Thank you Diana for filling in during my absence. Diana is a great leader and I enjoy working with her. This is the last issue of the Section's newsletter until September. Like the traditional school system, many Society Chapters and the Executive Committee take a "summer break". We continue to carry out IEEE tasks, but we don't publish the newsletter. John Tary and Tim Davis have been doing a super job in putting the newsletter together. We apologize for any typographical errors. The Overlook team volunteer many hours to keep the publishing cost affordable.

The Employment Seminar was very successful. I spoke with many of the attendees. They commented that the seminar information was current and useful. All of our jobs are on the line these days. Even if you are presently employed information can help you posture yourself now so you can better deal with stress and change. Paul Meisel did a great job of putting the seminar together and is always looking for ways to help our members. If you are presently unemployed, you can elect to pay half of the normal dues to be an IEEE member.

The Denver Section membership did not increase last year but the good news is the membership did not decrease. I applaud each of you for maintaining your membership and hope you have renewed it for 1994. The larger our membership, the more low-cost services will be available to us. The *IEEE Member Get-A-Member* program will help you recruit a new member this year. The program helped me sign up two new members this year. You can do it too!

IEEE-USA, in conjunction with Job Bank USA, is offering members a new, inexpensive job referral service. For more information contact the voice mail system at (800) 296-1USA. An enrollment form will be mailed to you. IEEE has signed an agreement with Kinko's Copy Centers to provide a 10% discount to IEEE members. Check with the manager of the Kinko's near you for details.

The Section Board accepted Bill Whipkey's resignation as Vice Chair, Member Services at the March 23, 1994 meeting. Bill has accepted an employment offer from the Nebraska Public Power District and will relocate to York, Nebraska (Region 4). Bill has been an outstanding IEEE leader at the local, section, regional, and national levels. We will miss his energy and IEEE attitude. Good luck and best wishes!!

## Sidetones

### *Signals from/about the Membership*

Please mark your calendar, the deadline for the September RockIEEE Overlook is July 1, 1994. The September Overlook will come early because of registration information on the Industrial Application Society Annual Meeting, October 2-6 at the Sheraton & Hyatt Regency, Denver Tech Center. The Overlook is not published in June, July, August and December. • Tim Davis is on travel so Michael Meister is doing double duty as Section Secretary and publishing the Overlook. • Congratulations to Wilbert F. Snyder, of Boulder on being made a fellow in the Radio Club of America. The club was founded in 1909 for the interchange of knowledge of the art

of radio, the promotion of good fellowship among the members thereof, and the advancement of public interest in radio. • Industry 2000, an innovative, two-day workshop focusing on career opportunities for engineers through continuing education, has received substantial grants from the Sloan Foundation, the IEEE Foundation, and Motorola Corporation. The workshop will held May 12-13 in Denver. For more information on Industry 2000, contact Peter Weisner, Manager of Continuing Education at (908) 562-5500, FAX (908) 981-1686 or E-mail: p.wiesner@ieee.org. • A year and a half after being subjected to a "reduction-in-force," Phil Gold is again employed as an engineer in a regular job. Phil is the newsletter editor for the IEEE Industrial Electronics Society (IES) and he writes about how important his involvement in IEEE was during his time of difficulty. From the IES editorial, "As you continue to build your network (if you haven't started I suggest you do so, for you never know what might happen tomorrow), think about

*please continue on page 4*

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# Society Chapter Meetings

## Denver Section

### Awards Presentation and Membership Meeting

Date: Wednesday, May 18, 1994  
6:30 pm Cash bar,  
7:00 pm Dinner @ \$16.00  
8:00 pm Awards & Speaker

Location: Radisson North Denver,  
Graystone Castle,  
83 East 120th Avenue (I-25 & 120th)

Speaker: Mr. Luis Rodriguez, Greiner Engineering  
Denver International Airport Electrical System

RSVP: Call Marilyn Peterson at (303)329-1615 by Friday May 13, 1994, for dinner reservations.

## Joint Power Engineering & Industry Application Societies Chapter Meeting

Date: Thursday, May 19, 1994  
6:00 pm Social  
6:30 pm Dinner (optional @ \$13.00)  
7:30 pm Meeting

Location: Holiday Inn, S.E., I-225 and Parker Road

Speaker: Jack Schmeil, Field Application Engineer,  
MagneTek/Waukesha,  
Transformer Manufacturing Facility,  
Waukesha, WI

Topic: Low Tap Changes in Substation Transformers

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

For more information call Bob Feuerstein, (303) 492-7077

## Laser & Electro Optics Society Chapter Meeting

Date: Thursday, May 19, 1994, 7:30 pm  
Location: NIST, 325 Broadway, Boulder, CO

Speaker: Mr. John Delusi

Topic: World-wide Atmospheric UV Exposure Measurement System.

For more information call Bob Feuerstein, (303) 492-7077

## Joint Vehicular Technology/Communications Societies Chapter Meeting

Date: Tuesday May 10, 1994  
6:00 - 7:00 pm Dinner  
7:30 - 9:00 pm Program

Location: National Center for Atmospheric Research (NCAR)  
Boulder, CO

Topic: NCAR has the latest, greatest, and fastest computer in the world, the Cray 3. This computer is used by researchers around the world to run weather model simulations. To support this intense computing, NCAR has some of the most unique, interesting, and state-of-the-art networking in Colorado. As a main research center for the National Science Foundation (NSF), they have the fastest possible connection to the Internet, 45 Mbps. Furthermore, they are testing the next generation high speed connection to the Internet at 155 Mbps. Another interesting networking technology is the High Performance Network (HIPPI) which interconnects the Cray computers at a blistering 800 Mbps. In addition, they are working on connecting HIPPI to other NSF computing sites over Synchronous Optical Networking (SONET) technology over satellites. NCAR also has several other interesting technologies that we will be seeing.

To sign up for this limited space tour, for directions to dinner and NCAR, please call either Lee Castellion, (303) 482-6862 or Mark Schriver, (303) 794-6118.

# The Event Horizon

## Nineteen Ninety Four

### May

- 1-3 **RMEL** (Rocky Mtn. Electrical League)  
Estes Park, William Rosol, (303) 778-7536
- 4-5 **Rocky Mtn. Technology Expo (ERA/ISA)**  
Denver, Dave Hurlbut, (303) 279-7796
- 9-10 **UTC Region VIII Annual Meeting.**  
Denver, George Stoll, (303) 571-2677
- 12 **The Assoc. of Colorado Telecommunications Professionals.** For information call, (303) 628-6964
- 12-13 **Industry 2000 Workshop.**  
Denver, John Meredith, HP, (719) 590-1900
- 31-3rd **Conference on the Science and Technology of Superconducting Films,** Breckenridge, Call NREL, Golden, CO, (303) 231-1040

### June

- 6-8 **ION 50th Annual (Inst. of Navigation,**  
Colorado Springs, (703) 683-7101
- 10 **4th Annual IEEE Rocky Mtn EMC Symposium,**  
NIST, Boulder, Bob German, Info & Call for Papers (303) 444-2472
- 15-17 **National Meter Reading Conference**  
Denver, Joan Roth, (303) 571-3236
- 16-19 **NCA, Annual Convention, (Nat. Coal Assoc.)**  
Colorado Springs, Katherine Kirkpatrick, (202) 463-2651
- 20-22 **Device Research Conference**  
University of Colorado., Boulder, Joseph C. Campbell, (512) 471-9669
- 27-1 **Precision Electromagnetic Measurements,**  
Boulder, CO, Call for papers, Gwen E. Bennett: (303) 497-3295, for information: Fred McGehan (303) 497-3246

### 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

- ? **UTC Fall Technical Conference,**  
Fort Collins, Mike Schmitz, (303) 299-5269
- 2-6 **IEEE Industry Application Society Annual Meeting,** Denver, Chair: Paul Meisel, MagneTek, (303) 673-9930, FAX (303) 673-9936
- 19-21 **International Wireless Communication Expo,**  
Tampa, FL, (800) 828-0420
- 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

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Membership is part of being a professional.

volunteering for any of the many activities in your society". • The Denver Section is losing one of our best volunteers, Bill Whipkey. Bill has taken a telecommunications engineering position with NPPD, (Nebraska Public Power District), York, Nebraska. The Section, Region 5, National, and all your friends in Denver will miss you Bill. We all wish you the very best! • What better place to meet and see old friends, IEEE members, and former co-workers than at BARC Hamfest, Longmont (Leo Barrios, Clark Waterson, Ted deHass, Yardley Beers) or at the lumber yard (John Juroshek).

## Engineers Seeking Employment

*Quality engineers available*

The following IEEE members are seeking employment. If you have a position open or know of one please contact Marilyn Peterson at (303) 329-1615. Please give your name, address, phone number, and the special identification code to Marilyn. She will have the member contact you directly.

**BSEE, BS Engineering Physics.** Dec. 93, EIT, Seeks challenging entry-level position. Strong Communication skills, team player. Wide-ranging technical background; Instrumentation, controls, power, microprocessor application, vacuum systems, materials science, programming. (A01M04).

**Senior Systems Engineer.** BSE and MBA candidate, seeking telecommunications/video interactive technologies field. Excellent project management, organizational and decision-making abilities. Experience with hardware and software design, development and testing. (M24M03).

**Electrical Engineer.** Strong communication and technical writing skills. Instructor for the U.S.A.F. for 5-1/2 years. 2-1/2 years aircraft troubleshooting experience. EIT February 1994. BSEE December 1993. Willing to relocate. (F23B04).

**Project Engineer (BSEE).** Analog and digital circuit design, microprocessor applications, and product development for over 14 years. Experience in diode lasers, EMC, CAE/CAD, RF, PC's and all aspects of engineering. Seeking hands-on Product Design and Management position in Boulder area. (F11W03).

**1992 BSEE Graduate.** Strong Technical and Computer background engineer, seeks employment. Over 8 years experience as a Field/Bench Technician and 7 years of experience with computers, combined. (J10M02).

**1994 MSCS Graduate.** 10 plus years designing software and implementing software solutions. Knowledgeable with artificial intelligence, neural networks, genetic algorithms and data fusion technologies. Seeks R&D opportunity implementing adaptive and learning techniques to analytical challenging problem domains. (F04P01).

**BSEE.** Experience includes curtailable load contingency planning, motor interlocks, battery backup systems, power line construction, electrical motor testing, plant engineering. Computer experience includes dBase programming, UNIX, VMS, DOS. (F04D01).

## Positions Available

### Digital Communication Engineer.

Individual to lead new product development with demonstrable T1 and/or SONET experience. Product applications within the electric utility industry. 5% travel, BSEE, salary depending upon experience. Location, Montrose, Colorado. Small company culture, flexible working environment and results oriented. FAX resume to (303) 249-8919.

### Executive Director.

Executive Director for the Colorado Association of Municipal Utilities (CAMU), a non-profit trade organization of 32 municipal electric and gas utilities. Responsible for the routine operations, serves to enhance the members ability to provide competitive utility services. Reports to a six member board. Duties include member communications; development and implementation of work activities; monitoring of Federal power issues; coordinating power sales and purchases; assisting in power supply and transmission access; and coordination of workshops and meetings. Send letter of introduction, work resume, salary history and references by May 6, 1994 to Jeff Gould, c/o Longmont Electric Department, 1100 S. Sherman, Longmont, CO 80501.

### Electrical Group Leader.

Oversee all electrical engineering projects (60% management/40% hands-on), Manage in-house electrical engineers and outside resources, Work with the Vice President of Engineering to develop a long term technology roadmap and Maintain state-of-the-art electrical engineering skills for self and electrical group members. Salary target- Mid 60s to high 70s, Location, Kent, WA, Contact, Kim Gigilo, Paragon Trade Brands, (206) 924-4389, FAX (206) 924-3336.

### Electrical Group Leader.

Oversee electrical engineering projects at all 5 Paragon Plants in cooperation with plant-based personnel, Manage outside resources, including contract engineers and equipment suppliers, and Maintain state-of-the-art electrical engineering skills. Salary target, high 30s to low 50s., Location Kent, Wa., Contact Kin Gigilo, Paragon Trade Brands, (206) 924-4389, FAX (206) 924-3336.

### Design Engineer, Standard Cell Development.

Responsible for all phases relating to the generation of new products using analog and digital standard cells. Salary to \$ 70K, Cheri Faso Olf, (508) 366-9900, FAX (508) 898-9982.

### Senior Linear Design Engineer.

Responsible for the design of analog and linear integrated circuits

for broad range of application from definition through release to production. Salary to \$80K, Contact Cheri Faso Olf, (508) 366-9900, FAX (508) 898-9982.

### Electronic Design for Vehicles.

Application of sensors on vehicles, 5+ years experience/BSEE, Location North Carolina, Excellent opportunity with large company in a small division, new start-up project, Call Dale Gordon, (813)264-7165, FAX (813) 968-645.

For the following six (6) positions, FAX resume to (619) 625-0641, or mail resume to John Cinege, Cray Research Superservers, Inc., 9480 Carroll Park Drive, San Diego, CA 92121.

UNIX Software Engineer  
I/O Hardware Design Engineer  
Console System S/W Engineer  
UNIX OS Development Engineer  
SUN OS Architect  
I/O HW Integration Engineer

## ATTENTION!

*Something's on fire in this column!*

• The NETfair (formerly LANfair) Conference Planning Committee invite the submission of a 250-word abstract for consideration as a possible topic at the NETfair '94 Conference. NETfair '94 will be held October 6-7 at the John Q. Hammons Convention Center, Denver, Colorado. Topic areas included in this year's Networking Conference are:

- INTEROPERABILITY
- ENTERPRISE NETWORKING
- NETWORK APPLICATIONS
- MANAGING NETWORKS
- WIDE AREA NETWORKING
- NETWORK CASE HISTORIES.

Please send the double-spaced abstracts to Alicia Burrus, Express Messenger, 1200 W. Evans Avenue, Denver, CO 80223, (303) 936-4755, FAX (303) 936-0828.

• Anyone interested in 11 years of IEEE Institute publications? Call Leland Anderson (303) 922-7847, or E-mail: leland@csn.org.

• With the assistance of the IEEE-USA Employment Assistance Committee, IEEE has signed an agreement with Kinko's Copy Centers to provide a 10% discount to IEEE Members. Check with the manager of the Kinko's near you for details. Call (800) 743-COPY for the location of the nearest Kinko's.

• Looking for something to do on weekends this summer? Pay a visit to the Georgetown Energy Museum in old Georgetown, Colorado. The museum will be open on weekends between 12:00 noon and 4:00 PM.

• A reminder that all address changes must be sent to; IEEE

Service Center, Coding Dept., 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331. The Denver Section's mailing labels are printed by updates received from Piscataway. If you have problems, the toll free number in New Jersey is (800) 678-4333.

• Sections Congress 1996, will be at the Denver Marriott Hotel-City Center on Friday, November 1 to Monday, November 4, 1996. This meeting is held once every three years. The grassroots leaders of the IEEE (that's you) come together to learn how to maximize their leadership skills, network with other IEEE volunteers from around the world, and convey to the IEEE corporate leadership the concerns and suggestions of the IEEE members. It's one of the IEEE's most important and prestigious meetings. John Martin, former Region 5 Director and 1994 RAB Vice Chair has the position of Organizing Committee Chair. John can be reached at (303) 233-0023.

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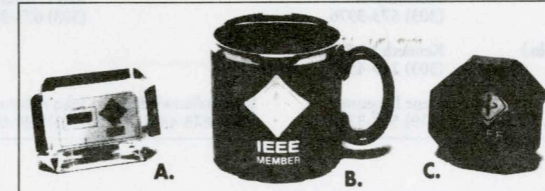
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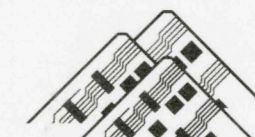
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### RockIEEE Overlook Team

**Editor:**  
John Tary  
7739 Spring Drive  
Boulder CO 80303-5036  
(303) 499-2164  
(303) 673-9936 Fax

**Publisher:**  
Tim Davis  
(303) 466-1117  
(303) 466-1118 Fax  
timdavis@TDCon.com

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Joint Power Eng. & Industrial Applications	Brian S. Moreau (303) 671-4270	Phil Goldhammer (303) 673-5342	Jim Houlihan 661-9373
Magnetics	Richard Dee (303) 673-3976		Ken Franzel (303) 673-3987
Power Eng. (W. Colo.)	Kenneth McBryde (303) 249-4501		
Joint Reliability (Denver-Pikes Peak Section)	Gene Bagenstos (719) 528-3715	Rick Follenwieder (303) 673-4361	John Adams (303) 530-6503



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

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