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
**Society Chapter Meetings**

**Denver Section**
**Award Presentation and Membership Meeting**

- **Date:** Wednesday, May 18, 1994
- **Time:** 6:30 pm Cash bar, 7:00 pm Dinner @ $16.00, 8:00 pm Awards & Speaker
- **Location:** Radiossion North Denver, Graysound 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 Applications Society**
**Chapter Meeting**

- **Date:** Thursday, May 19, 1994
- **Time:** 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 Schmitt, 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 Deluisi
- **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
- **Time:** 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 (HPPII) which interconnects the Cray computers at a blistering 800 Mbps. In addition, they are working on connecting HPPII 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 Scharwitz, (303) 794-6138.

---

**The Event Horizon**

**Nineteen Ninety Four**

| May 1-3 | RMEL (Rocky Mtn. Electrical League) | Estes Park, William Road, (303) 778-7536 |
| 4-5 | Rocky Mtn. Technology Expo (FRA/ISA) | Denver, Dave Haiflitzer, (303) 279-2796 |
| 9-10 | UTC Region VIII Annual Meeting | Denver, George Stoll, (303) 571-2677 |
| 12 | The Assoc. of Colorado Telecommunications Professionals | For information call, (303) 628-6094 |
| 12-13 | Industry 2000 Workshop | Denver, John Meredith, HE (719) 950-1900 |
| 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

**July 9-10**

- **UTC FAll Technical Conference**
  - Fort Collins, Mike Schmitz, (303) 299-5269

**October**

- **IEEE Industry Application Society Annual Meeting**
  - Denver, Chair: Paul Meisel, MagneTek, (303) 673-9930, FAX (303) 673-9936
- **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

---

**Years to Come...**

- **January 1995**
  - 4-7 | URSI, National Radio Science, Boulder, (303) 492-7123 September - 1995 |

- **July 1996**

- **November 1996**
  - 1-4 | Sections Congress, Denver, Chairman: John E. Martin, (303) 233-0023 |
BSEE. Experience includes curtailable load contingency planning, motor interlocks, battery backup systems, power line construction, electrical motor testing, plant engineering. Computer experience includes database programming, UNIX, VMS, DOS. (FO409).

Positions Available

Digital Communication Engineer

Electrical Engineer

Senior Systems Engineer

BSEE, BS Engineering Physics. Dec. 95, EIT. Seeks challenging entry-level position. Strong Communication skills, team player. Wide-ranging technical background: Instrumentation, controls, power, microprocessor application, vacuum systems, materials science, engineering. (A01M04).

Electronic Group Leader

Electrical Engineer

Senior Systems Engineer

BSEE and MBA candidate, seeking tele-communications/video interactive technologies field. Excellent project management, organizational and decision-making abilities. Experience with hardware and software development, design and testing. (M24M03).

Electrical Group Leader

Project Engineer (BSEE).

Analogue and digital circuit design, microprocessor applications, and product development for over 14 years. Experience in diode lasers, EMC, CAD/CAD, RF, PCs 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, seeks employment. Over 8 years experience as a Field/Bench Technician and 7 years of experience with computers, combined. (J10M02).


ATTENTION!

Services offered by the IEEE Student Council include:

• The NETfair (formerly LANfair) Conference Planning Committee invites the submission of a 250-word abstract for consideration as a possible topic at the NETfair '94 Conference. The NETfair '94 conference 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:
  • ENTERPRISE ARCHITECTURE
  • ENTERPRISE NETWORKING
  • NETWORK APPLICATIONS
  • MANAGING NETWORKS
  • WIDE AREA NETWORKING
  • NETWORK CASE HISTORIES. Please send the double-spaced abstracts to Alicia Burrell, Express Messengers, 1200 W Evans Avenue, Denver, CO 80223, phone: (303) 936-4755, FAX: (303) 936-0828.

• Anyone interested in 11 years of IEEE Institute publications contact Leland Anderson (303) 922-7847, or e-mail: leland@eandem.org.

• With the assistance of the IEEE/USA Employment Assistance Committee, IEEE has signed an agreement with Kinco's Copy Centers to provide a 10% discount to IEEE Members. Check with the manager of the Kinco's near you for details. Call (800) 743-COPIE for the location of the nearest Kinco'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 noon and 6:00 PM.

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

Did You Know...

Information on the benefits of your IEEE membership:

• You can save 30% on many books and stands as an IEEE member! It only takes 3-4 books and half of your membership is paid for.

• The IEEE Financial Advantage offers:
  • A no-load mutual fund for members only which offers free exchange privileges into the (Vanguard) family of mutual funds, special savings for IEEE student members, and savings on taxes by opening an IRA with just $250.00 minimum investment. Call 1-800-GET-IEEE.
  • IEEE Insurance Plans. Call 1-800-483-4335.
  • Annuity Plans. Call 1-800-829-8763.
  • Gold Mastercard and Visa Gold with no annual fee, free additional cards, a low variable interest rate of 12.9%, a 25-day grace period on purchases, personalized credit line checks, and up to $1 million travel accident coverage. Call 1-800-772-2221.

NOW AVAILABLE

IEEE Denver Section Services Brochure 1994

The single-page brochure highlights services and benefits of the Denver Section of the IEEE. The brochure identifies many services and benefits available to members of the local Society Chapters and the Section in general. The brochure contains telephone directories of Society Chapters, the Denver Section Board, and the Executive Committee. The brochure should be distributed at Chapter meetings, Chapter sponsored seminars and symposia, and to potential members. Also, use it as a quick reference for telephone numbers of your IEEE colleagues. Obtain copies by calling:

Michael Meister (303) 497-6571.
Display Your Membership Proudly!
High-quality items for gift-giving or for yourself - at money-saving prices.

IEEE Sweatshirt
These cozy sweatshirts are made of NuFleece™, the first virtually pill-free poly-cotton mix with a full cut for ultimate comfort and fit, and superior color fastness. Your choice of two colors (royal blue with gray logos and gray with navy logos).
Suggested retail: $21.95
Blue Large: T0135-4-PPY
Gray Large: T0137-4-PPY

NEW!
Blue X-Large: T0136-2-PPY
Gray X-Large: T0138-6-PPY

IEEE T-Shirt
This go-to-looking IEEE T is available in two attractive colors: in 100% combed cotton; navy with gold IEEE logo and grey with navy IEEE logo.
Suggested retail: $15.00
Navy Large: T0131-3-PPY
Navy X-Large: T0130-3-PPY
Gray Large: T0133-6-PPY
Gray X-Large: T0134-7-PPY

IEEE Carry-On Totebag
Innovative and practical, our durable nylon totebag folds small and carries big, a roomy 22 x 17 x 7 inches! Adjustable, removable shoulder strap makes it a great carry-on. Navy blue with white logo. Suggested retail: $32.95
Tote: T0132-2-PPY

IEEE Ties
Your choice of handsome silk ties - blue or burgundy, with contrasting stripes - and a single IEEE logo at the bottom center. Suggested retail: $29.95
Blue Tie: MB0701-1-PPY
Burgundy Tie: MB0702-3-PPY

IEEE Women's Scarf
Available in either blue or burgundy, each scarf is handsomely patterned with miniature logos in ivory against the background color. Suggested retail: $29.95
Blue Scarf: MB0073-1-PPY
Burgundy Scarf: MB0074-6-PPY

IEEE Lapel Pin (or Tie Tac)
There's a different one for each member grade, just $18.00 ($3.00 for students). To order, call Customer Service: 1-800-678-IEEE (1-800-678-4333) or 1-908-981-0060.

The Institute of Electrical and Electronics Engineers, Inc.

FICHTNER ENGINEERING, INC.
2820 Youngfield St.
Suite 151
Golden, CO 80401

Phone (303) 238-7548
FAX (303) 238-7788

John J. Tary
Telecommunications

TIMOTHY DAVIS CONSULTING
Electronic Design, Automation Tools, VHDL Model Development / Training
Top-Down Design Methods

TIM DAVIS
(303) 488-1117
212 Powderhorn Trail
Broomfield, CO 80020
(303) 488-1118 FAX
(800) 653-0681
TMDAVIS@TDCOM.COM

TEXTEK LTD.
Your Electronic Candy Store
5271 ANAPAH AVE
BOULDER, COLORADO 80303

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

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:

<table>
<thead>
<tr>
<th>Ad Size</th>
<th>Single Mo.</th>
<th>Multiple Mo.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Card</td>
<td>$15</td>
<td>$20</td>
</tr>
<tr>
<td>1 1/4 Page</td>
<td>$80</td>
<td>$100</td>
</tr>
<tr>
<td>1 1/2 Page</td>
<td>$125</td>
<td>$200</td>
</tr>
<tr>
<td>Full Page</td>
<td>$200</td>
<td>$300</td>
</tr>
<tr>
<td>Half Page</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>1/4 Page</td>
<td>$50</td>
<td>$80</td>
</tr>
</tbody>
</table>

Send business cards or copy and check to John Tary, 7739 Spring Drive, Boulder, Colorado, 80303-1006. Make checks payable to IEEE Denver Section. We will invoice if so desired.

INTRODUCING...

THE IEEE MEMBER GET A MEMBER PROGRAM

Keep your Institute vital and contribute to a colleague's professional advancement and development.

For every new member you recruit, you'll get a choice of gifts - our way of expressing thanks for your efforts. Display it proudly, or use it as the perfect gift for your recruit!

T3 Systems

Michael 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) 469-3322

Manage Your Career As You Manage Your Company's Technology

Today, leadership in managing technology means managing your career, as well. That requires up-to-date information and the highest quality in graduate education. You will find both in the University of Denver's Management of Technology (MOT) program at University College. Our MOT master's degree program prepares technical and business professionals and managers for a more strategic role in managing innovation, as well as the development, implementation, and diffusion of product and process technology throughout their organizations.
Knowledge of this emerging discipline can also help companies acquire and maintain a greater competitive edge in today's global marketplace.
All MOT classes meet evenings to fit your schedule. Custom degree plans may include electives from such areas as telecommunications, global business, environmental management, and communication skills.
This winter, choose from such courses as Engineering Management, Technology, Ethics and Social Responsibility, and Leading A & B: Manufacturing and Marketing.
For a catalog and more information, call 871-3155, ext 207, today.

University of Denver
University College

Reruit a new member today!

Contact IEEE today and we'll rush you our Member-Get-A-Member Recruiter Kit

1-800-678-IEEE (1-800-678-4333)
1-908-981-0060
fax (908) 981-0967 Tel: 833-233
E-mail: member.services@ieee.org

FSE
FOR THE SPECIALTY ELECTRONICS INDUSTRY

The Institute of Electrical and Electronics Engineers, Inc.
443 Hoeve Ave, PO Box 1331
Piscataway, NJ 08855-1331
USA
Membership is part of being a professional.

Jeff Nichols
vice president
144 S. E. 2nd Street
LOVELAND, CO 80537
(303) 663-2901
FAX (303) 663-5548

SMIT, Thruline, & Melin Technology, Prototype and low volume Manufacturing

May 1994 RockIEEE Outlook 6