Chairman's Message
by David Richmond

Membership is an important requirement for the continued existence of any organization, and IEEE is an organization of approximately 320,000 members worldwide. Overall membership in IEEE is down slightly. This is also true for our Region (5) and our Denver Section. The Region has dropped from 28,206 to 27,480 which is a 2.57% decrease. The Section has declined from 4,157 to 4,119, a less than 1% change. IEEE has thousands of publications, videos, and other technical resources. IEEE puts on hundreds of technical meetings and seminars each year, held throughout the world. There are also technical books as well as technical standards which are used throughout the world daily. IEEE in the U.S., also offers its members insurance packages for health, life, disability and hospitalization.

Almost every electrical engineer's work is affected by the standards IEEE establishes. With all this, it is hard to understand why one would not join and participate in IEEE.

To ask a friend and colleague to join IEEE is to do him/her a favor. To continue a membership in IEEE is to recognize the importance of remaining technically current in our profession. I could be essential for continued employment. Ask a friend today if he/she would like to become a member. We have membership forms available and can make them accessible by mail, or you can pick one up at the next local meeting either chapter or section.

On June 22nd at the Regional Activities Board (RAB) Meeting in Montreal, it was announced that Charles R. Wright is the recipient of the 1996 William W. Middleton Distinguished Service Award. Charlie was cited for exemplary contributions and dedicated service in preserving the history of electrical engineering, and presenting this history to the public. In 43 years of service, Charlie has served at every level of IEEE, dedicating time and effort to the Denver Section, Conferences, Committees, and the Board of Directors. He has spent 9 years of service on the History Committee, leading the Milestone Program, and has presented History Exhibits at many IEEE Conferences and meetings. Charlie conceived and developed the Georgetown Energy Museum, of which he is Chairman of the Board. Charlie has also been a dedicated advocate of student activities through his presentations at 20 Student Professional Awareness Conferences across the U.S. The William W. Middleton Distinguished Service Award, established in 1990 and presented once every three years, recognizes an individual who has contributed in an exemplary manner to IEEE RAB's goals and objectives over a sustained period. The award will be presented at the Sections Congress '96 in Denver, November 1-4. Congratulations to Charlie.

Recent Changes in the Professional Engineers Exam Process

Gary L. Blank, Ph.D., President, Engineering Update Institute

There are many good reasons to become professionally registered (or licensed): (1) many companies often favor the P.E. when choosing someone for an advanced technical position, (2) many companies often favor the P.E. when choosing someone for a managerial position, and (3) all fifty states now require P.E. registration to do any form of consulting engineering. There is a common misconception that this requirement applies only to situations where the safety of the public is involved. The Boards of Registration of the states are now becoming more active in identifying consulting engineers who are not registered.

The registration process consists of passing two written eight-hour

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Meetings

Joint Power Engineering & Industry Application
Thursday, October 29, 1996
Social 530-630 Dinner 630
Program 7:00
Brooklyn's Sports Bar
2664 W. Colfax Ave. (1 block north of McNichols Arena and Mile High)
Dinner Fee: $12.00 (Students free)

January 16, 1997
Bob Beale
"Professional Development"
(Join Sections Meeting)
February 20, 1997
Trigen Cogeneration Facility
March 20, 1997
"Overvoltage Protection"
April 17, 1997
Tony Jefferson
"Adaptive Var Compensation"
September 18, 1997
Jim Gorman
"Design E Motors"

Upcoming PES Events
October 29, 1996
Seminar
"Grounding Fundamentals"
November 21, 1996
Howard Bruner
"Humor in the Workplace"
December 12, 1996
Field Trip
Public Service Co. Lookout Mtn.

October 1996

IEEE
PES/IAS JOINT CHAPTER
INSERT TO RockIEE OVERLOOK

Chapter Wins Award

If the desire of the Chapter that the rest of this year will be even better in providing the professional presentations and events that will benefit you and your company or organization. We are open to suggestions for anything you can conceive that will increase participation and provide a better service to our members.

Calendar of Upcoming Events
Oct 29

Event: Technical Meeting - One Day Seminar on Fundamentals of Grounding
Where: PSCo Training Facility at 936 Bannock, Downtown Denver (Parking at PSCo Designated Slots in front across the street and back of building)
Time: 7:30am - 5:00pm
Presentation: Fundamentals of Grounding Design and Applications
Speaker: Dr. Sakis Meliopoulos, Professor of Electrical Engineering, Georgia Institute of Technology. The recognized authority on grounding -- "the grounding guru."

Lunch will be served and refreshments will be available at the breaks in the morning and afternoon.

(See the attached expanded announcement for this meeting.)

Note: Advanced reservations with payment will be required for this meeting because the number of attendees will be limited. Fee will be $85 for IEEE members and $190 for non members. IEEE Membership Number will be required on the application. (Contact Roya Brown at 793-5147 for information.)
Nov 21

**Event:** Meeting - JOINT MEETING -- DENVER SECTION & ALL CHAPTERS

*This is a night to invite your Spouse/Companion.*

Where: Ramada Sport Center at 1975 Bryant (Just NE of Mile High Stadium)

Time: 6:00 - 6:45pm Social Time 6:45 - 8:30pm Dinner and Meeting

**Presentation:**

*Effective Use of Humor in the Workplace*

**Speaker:**

Dr. Howard Bruner, Professor Emeritus, Colorado State University

Dr. Bruner provides a very entertaining and funny evening in presenting a topic that will be beneficial to anyone that attends. Because this is a very special presentation and highly entertaining, it is recommended that you set this date on your calendar now. Members of all chapters and their spouses or companions are invited.

Dec 12

**Event:** Technical Meeting - Tour of Public Service Company of Colorado Lookout Center

Where: Golden, CO -- Specific directions will be given when you make the reservations.

Time: Anticipated start between 4:30pm and 5:30pm and will last one hour.

**Tour:** Features of the Central Power Control Center for PSCO

During the tour an explanation of how PSCO controls: Energy dispatch and generation purchases, Monitoring and maintaining the bulk power grid for Colorado; Monitoring and dispatching the crews on outages and transmission failures; etc.

**Tour Guide:** Mr. Gerald M. Stellern, PSCO

Special note: This tour will be limited to 20 members maximum because of the restrictions of the facility. You should get your reservations into Barbara Linton as early as you can to make a positive commitment to be there. Reservations will be closed by December 1st.

Jan 29

**Event:** Meeting - Professional Development Presentation

*This is a joint meeting with the Denver Section.*

Where: To Be Announced

Time: 6:00 - 6:45pm Social Time 6:45 - 8:30pm Dinner and Meeting

**Presentation:**

*Engineers — Fundamentals of Marketing Yourself and Your Company/Organization*

**Speaker:**

Mr. Bob Beale, President, Beale International (Management and Marketing Consultants)

Mr. Beale has exceptional engineering, management, marketing, and accounting backgrounds. His consulting, speaking, and marketing experiences have taken him worldwide. These endeavors include Russia and other former USSR republics, European countries, as well as every state in the USA. One of his current clients is the Denver Broncos. Mr. Beale is an excellent speaker and an authority in this field. It will be an evening well spent in expanding your professional development.
From the PACE Chair
John C. Tsucalas, IEEE Senior Member

As your Professional Activities Committee for Engineers (PACE) Chair in the Denver Section, it was my duty and pleasure to attend the 1996 PACE Conference and Workshop, which took place in Phoenix during an extended Labor Day weekend. The theme of the conference was "Changing Environments: The Practicing Engineer recognizing important trends that are taking place in today's engineering work environment from new government policies to corporate streamlining to increasing need for engineers to secure for themselves solid financial well-being as their careers progress. It was a rewarding success, with 500 participants including spouses and guests, and a very full schedule of training workshops, plenary meetings, concurrent sessions, and speakers during some of the meals and banquets. It was an energetic and stimulating event, despite the temperature which hovered around 100°F during most of the day.

I came away from the conference with a reinforced conviction that more engineers need to be aware and to make use of the innovations developing within the IEEE, as in other professional societies, to enhance engineers' careers through a variety of undertakings. I plan to actively bring these messages to the membership during the coming year by talking directly to as many of you as I can reach in meetings at your work organizations. Also in the Overlook I will cover specific aspects of the various PACE initiatives and report any progress achieved. If any of you are interested in assisting me, I welcome your participation. Call me at (303) 798-5769 or e-mail to jctaucalas@aol.com to share your ideas and abilities and help to really make this an effective activity.

A key theme in the 1996 PACE Conference was the direct involvement of young professionals as a step in making the IEEE relevant and meaningful to engineers with ten or less years in the profession. After all, the vitality of any organization depends on the participants' perception of its value, especially by those who may have the most to gain from a professional support system - the members who have their greatest growth ahead of them. How can 'value' for young professionals be quantified? You may ask. The answer is not obvious, but a beginning was made by simply asking them their reasons for joining the IEEE. The Ad Hoc Committee for Young Professional Participation in PACE surveyed a group of US IEEE members in this group. The results of the survey indicated strong interest in both career management and personal support, with greatest interest in developing networks, career paths, financial strategies, and skills for negotiating, management and setting priorities, especially balancing career and family. What a revelation! They want all the tools and skills for making them a success in the corporate environment and still have some time for their personal lives. Each IEEE section was encouraged to name at least one Young Professional to attend the PACE Conference this year, so that a significant dialog could occur on these issues. Our section's 1996 Young Professional is Anthony M. Kelker of the Hughes Information Technology Co., here in Aurora. Congratulations to Mr. Kelker! In the November issue of the Overlook, Tony will share some of his thoughts about the initiatives put forward at the conference and some of his plans for supporting PACE goals in the coming year.

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