



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

RockIEEE Overlook

DENVER SECTION

DECEMBER 1987

IEEE Denver Section Meeting

JANUARY DENVER SECTION MEETING AND INSTALLATION OF 1988 OFFICERS

The U.S. Space Foundation

Headquartered in Colorado Springs, the U.S. Space Foundation is in the unique position of promoting dialogue and debate on space and providing educators with a resource center for space information.

Mr. John Akey, Director of Education for the Foundation will explain and show, via video tape, how the Foundation's message is told to educators and the public. Attend this program and learn about:

- The Annual Space Symposium (attended by world wide authorities on space)
- NASA/FAA educational resource center
- The proposed \$10 million space museum in Colorado Springs

Date: Wednesday, January 6, 1988

Place: Location to be announced in January Overlook

Time: 5:30 - cocktails 6:30 - dinner (optional) 7:30 - meeting and program

Contact: For more reservations and information call Anita Wanberg, 220-8042.

Joint Boulder-Denver APS/MTTS/GRS -
Antennas and Propagation, Microwave
Theory and Techniques, and Geoscience
and Remote Sensing

Date: Thursday, December 10, 1987

Place: National Bureau of Standards, 325
Broadway, Boulder, CO, Room 1107

Time: 4:00 pm - 5:00 pm

Speaker: Robert E. Munson, Ball Aerospace
Systems Division, Broomfield, CO

Topic: "Microstrip Antenna Principles and
Applications"

This talk presents the practical
issues of microstrip antenna design.
The first twenty minutes will
address the principle of operation
of microstrip radiators, and the
second twenty minutes will address
the application of microstrip
radiators to various applications.

Contact: Hussain Haddad, 460-2114

VTS/COMSOC - Vehicular Technology Society/
Communications Society

Date: Tuesday, December 8, 1987

Place: IMAX Theater, Denver Museum of
Natural History, City Park

Time: 6:30 pm Social and dinner at 94th
Aero Squadron, 10081 E. 25th Ave.
Order off menu, no reserv. req.

8:00 pm Tour of IMAX facilities
Speaker: An official at the IMAX Theater will
give a tour of the projection and
control facilities.

Contact: For more information, call John
Hardzinski or Ken Shugg at 977-2972

Reliability

Date: Wednesday, December 16, 1987

Place: Holiday Inn South, I-25 and Arapahoe

Time: 7:00 pm, program only

Speaker: Dr. Samuel Keene, IBM Boulder

Topic: "Fault Tolerance Analysis"

Contact: Dr. Keene, 440-3879 for more info.

Dear IEEE Colleague;

As your Denver Section PACE Chairman, I would like to begin a column in the RockIEEE Overlook entitled, "Dear IEEE Colleague". I will answer any questions about IEEE, its major boards and professional issues. In my 20 years of active IEEE leadership at all levels of IEEE including Professional Activities, I have gained considerable knowledge of IEEE, its organization and activities. I know many influential IEEE leaders and will seek out the best answers to your questions. Please direct your questions on any IEEE subject to: Bill Whipkey, 8069 Meade St., Westminster CO 80030.

Colorado Nostalgia

Item of Information on
Early Days of Radio Broadcasting
by Lawrence M. (Robbie) Robertson

I attended the University of Colorado in the College of Engineering studying Electrical Engineering from 1918 to 1922. I had attended classes in Radio Transmission in 1917-18 at the Opportunity School in Denver during World War I.

There were two other students at C.U. at the same time who were well acquainted with Radio - Wallace (Tiny) Cassell and Robert (Bob) Owen. We got a Radio Station built on a balcony and a table in the Electric Laboratory, put an antenna on the roof, got power supply from a machine in the lab, and got a license. We had good results, including a contact with the first station in Denver.

The Varsity Football Field was just west of the Engineering Laboratory. We proposed to move the table with the radio equipment outside to the field, use the antenna, and run power cables from the generator through a window to the radio set.

The weather was good on the day of the game. Tiny Cassell was the announcer, Bob Owen took care of the Radio equipment, and I was watching the power supply. This was about 1920, and was, I believe, the first broadcast of a football game from the field.

All went well until toward the end of the game, when trouble developed in the power supply which apparently was a short circuit in the cables, and the event was terminated. The generator supplied power through a regular circuit breaker in the laboratory, but the generator failed.

Professor Frank A. Eastom was in charge of the Laboratories and was rated by all as "The Greatest". He was a "power man" and he said to me, "You see what happens when you fool around with those sneak circuits". But he had the generator repaired.

Cassell continued after graduation as Professor of Electrical Engineering at C.U. and on to Iowa State University in Communications and Bob Owen went to RCA.

Join the Volunteers

Your skill and talent is needed to support the efforts of Recording for the Blind (RFB), a national, non-profit, voluntary organization that provides recorded educational books, free-on-loan, to individuals who cannot read standard printed material because of blindness, visual, physical, or perceptual handicaps.

To meet the goals of the Denver Unit of RFB, readers and monitors are needed to produce professionally recorded tapes of technical text books which will play an important role in helping print-handicap students reach their educational goals and prepare for productive business and professional careers.

Specialized reading and monitoring in the physical sciences, mathematics, computer science, etc. is especially needed. Your individual talent can make the difference for RFB. Volunteering for RFB is exacting and demanding work. It is not for everyone. But for people with the qualifications and dedication, it can be immensely rewarding. Very few jobs -- volunteer or paid-- offer an opportunity to give in such an individual and enduring way. Volunteers share their sight, education and knowledge. They also share in a sense of purpose that comes from being a part of a vital organization providing an important service.

If you want more information about becoming an RFB volunteer in the Denver area, call or write:

Barbara Hays
Studio Director, Denver Unit
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305 Milwaukee St.
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(303) 388-6594



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RockIEEE Overlook Advertising

The RockIEEE Overlook is now featuring advertising, including business cards and line cards, in the monthly publications. Contact the Vice President of Member Services for more information.

The RockIEEE Overlook is distributed to 3400 Electrical and Electronic Engineers in Colorado, Wyoming, and parts of South Dakota and Nebraska. Members work in all phases of the industry and in all types of companies and government institutions.

Following are the advertising rates:

- Business Card - \$ 25.00 one time issue
- 20.00/ea for 1/2 year
- 1/4 page - \$ 150.00 one time issue
- 130.00/ea for 1/2 year
- 1/2 page - \$ 250.00 one time issue
- 225.00/ea for 1/2 year
- Full page - \$ 400.00 one time issue
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THE MONTH AT A GLANCE

December 1

EMC Meeting

December 8

VTS/COMSOC Meeting

December 10

APS/MTTS/GRS Meeting

December 16

Reliability Meeting

January 6

IEEE Section Meeting

TIME DATED MATERIAL

Published Monthly to inform members of local meetings, conferences
workshops and social, technical, educational and professional activities

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