



Association of Environmental and
Engineering Geologists

The Rocky Mountain Section Newsletter

FEBRUARY 2007

MEETING DATE

**THURSDAY
FEBRUARY 8TH, 2007**

TIME

5:45 p.m. Social Hour
6:30 p.m. Dinner
7:30 p.m. Presentation

LOCATION

Berthoud Hall,
Colorado School of
Mines
1516 Illinois St.
Golden, Co 80401
See Map Below

COST

\$20 Members
\$22 Non-members
Students, Free first
time, then \$10

RESERVATIONS

Kristi Ainslie
(303) 264-1030
or
meetings@aegrms.org
or
WWW.AEGRMS.ORG

**BY NOON,
TUESDAY
FEBRUARY 6TH**

Design and Construction of the Lake Pleasant Water Transmission Rock Tunnel in Phoenix, AZ

Ray Henn and David Kwietnewski
Lyman Henn, Inc.

The Lake Pleasant Tunnel is located in Phoenix, Arizona. The 10ft by 10ft tunnel was excavated by the drill and blast method from the east portal and by roadheader from the west shaft. The granite ranged from decomposed through blocky and seamy to moderately jointed. The western half of the tunnel was excavated completely in the decomposed granite. However, the eastern half of the tunnel was excavated in alternating zones of blocky and seamy and moderately jointed granite. Due to the alternating rock conditions round length, explosive types and initial support were modified on round-by-round bases.



Words From the Chair

Our January meeting was especially fun with not only our Association President, Dr. Terry West, but also the entire executive board attending. It was a great opportunity for everyone to meet and visit. Dr. West gave a very good technical presentation about the geology and geotechnical aspects of aggregates. I think everyone came away knowing something new. Thanks Terry. It was also great to learn how well the AEG Foundation is doing. With all the fund raising, arm twisting and down right begging the balances in each of the Foundation funds is at or on a trajectory to be "self supporting" meaning that the return on investment will sustain the fund objectives in perpetuity. We should all be very proud of the excellent management and leadership our Association is benefiting from. Keep up the good work. We also had a section board meeting to kick off planning for our annual Student Night. This year we plan to change the format to a more student oriented approach using a "poster board" presentation. I have seen this approach very successful at the Oregon Section Student Night and think this would be a good thing for our Section. I encourage all of you to contact your employers and anyone else you feel appropriate to generate sponsor support. More on that later. I look forward to seeing you at the February meeting where Ray Henn and David Kwietniewski will present on the Lake Pleasant Tunnel Project in Phoenix, Arizona. See you there.



2007 Upcoming Meeting Presentations

March 8, 2007 - TBD

April 12, 2007 - Student Night! *New Poster Session Format*

May 10, 2007 - TBD



SAGEEP 2007—Denver Colorado

You Are Invited to EEGS' Annual Meeting Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP) 2007 20th Anniversary

April 1-5, 2007

Denver, Colorado

Make plans to attend what will surely be a memorable and highly informative conference. Online registration is open at <http://www.eegs.org/sageep/index.html>, where you will also find preliminary program details.

Of particular note are the following:

Geophysicists are not traditionally viewed as those working on humanitarian projects. However, many choose to work on such projects as humanitarian de-mining, groundwater for underserved populations, etc. A special session on humanitarian uses of geophysics will be featured. As well, our Technical Luncheon speaker, Yogadhis Das, Ph.D., will discuss his experiences in the area of humanitarian de-mining.

In celebration of our 20th anniversary of SAGEEP, we are featuring a session on Pioneers in Engineering and Environmental Geophysics - 20 years of progress. Many speakers from the first SAGEEP have been invited! The Keynote presentation this year will take a different shape to reflect this theme. A panel of speakers will discuss the History of Near-Surface Geophysics, the background on the planning of the first SAGEEP meeting, and the evolution of EEGS from SAGEEP.

For SAGEEP 2007 details and a printable symposium preliminary program, please visit <http://www.eegs.org/sageep/index.html>.

EEGS/SAGEEP 2007
1720 S. Bellaire St., #110
Denver, CO 80222-4303 USA
Tel: 303-531-7517
Fax: 303-820-3844
Email: staff@eegs.org



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Golder and Associates
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720.201.4914
chair-elect@aeqrms.org

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720.529.5300
aeg_rms_secretary@yahoo.com

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Dawn Schippe
treasurer@aeqrms.org

Membership

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membership@aeqrms.org

Newsletter

Kristi Ainslie
GEI Consultants, Inc.
Ed Friend
RJH Consultants, Inc.
newsletter@aeqrms.org

Website

Jill Carlson
Colorado Geological Survey
webmaster@aeqrms.org

Student Chair

Adam Prochaska
student-chair@aeqrms.org

Past Chair

Dwayne Edington

GEI Consultants, Inc.
6950 S. Potomac St. Suite 300
Centennial, CO 80112



Colorado School of Mines - Berthoud Hall
1516 Illinois Street
Golden, CO 80401