



ASSOCIATION OF ENGINEERING GEOLOGISTS

"Serving Professionals in Engineering, Environmental, and Ground-Water Geology"

ROCKY MOUNTAIN SECTION NEWSLETTER

MEETING ANNOUNCEMENT

JANUARY 2001

MEETING DATE

**THURSDAY
11 JANUARY 2001**

TIME

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

LOCATION

Colorado School
of Mines
**FREIDHOFF HALL
GREEN CENTER**
Golden, CO (See Map)

COST

\$20 Members
\$20 Non-members
\$10 Students

RESERVATIONS

C/o AEG Reservation Line
(303) 790-2161 x 243
**BY NOON, FRIDAY
5 JANUARY**
-OR- Tom Terry
(303) 662-0100

Marine Geophysics in Karst Terrain for Design of a Navigation Lock

Matt Benson, MicroGeophysics Corp.
Jim Meisenheimer, Stone and Webster Engineering Corp.

Kentucky Dam Lock is being upgraded to handle an increase in barge traffic. This upgrade includes design and construction of a second lock on the landwall side of the current lock. The northern portion of Kentucky Lake is located in the well-known karst terrain of Kentucky. Bedrock is uniform, dark gray, thick-bedded, Fort Payne limestone of lower Mississippi age. Karst features impacting the design and construction of the proposed lock are solution-enlarged joints and large open to clay-filled cavities. The proposed Upper Middle Approach Wall nose pier is to be constructed to withstand a full frontal impact from a fully loaded barge. This requires detailed knowledge of subsurface conditions in and around the proposed nose pier location. A marine geophysical survey was conducted to define subsurface conditions in the area of the proposed Upper Middle Approach Wall nose pier, with emphasis on bedrock depth and topography, location of solution features, and thickness of weathered rock. Marine seismic reflection provides information on locations of potential solution features, as well as, lateral discontinuities in bedrock competency. Marine seismic refraction data provide geotechnical information regarding stratigraphy, and stiffness of the sediments, weathered bedrock, and competent bedrock.

UPCOMING MEETINGS:

February 8 Annual Student/Career Night
March 8 TBD
April 12 Rex Upp, AEG President, President of Upp Geotechnical, Inc.
May 10 Bob Watters, AEG Jahns Distinguished Lecturer, Professor at Univ.of Nevada at Reno
September 13 TBD
October 2-5 AEG/AIPG 2001 Meeting in St. Louis, Missouri
October 12 Jim Lambrechts, Haley & Aldrich, Inc.

RMS OFFICER CONTACT LIST

Chairperson Peggy Ganse, Haley & Aldrich, 303.534.5789, ext. 210, MAG@haleyaldrich.com
Chair-elect Tim Petz, Church & Associates, Inc., 303.463.9317, tpetz@geo-church.com
Secretary Jim Wright, GEI Consultants, Inc., 303.662.0100, jwright@geiconsultants.com
Treasurer Sam Bartlett, U.S. Bureau of Reclamation 303.445.3142, srbartlett@do.usbr.gov
Membership Scott Walker, GEI Consultants, Inc., 303.662.0100, srwalker@geiconsultants.com
Newsletter John Himmelreich, 719.632.2882, thehimmelreichs@hotmail.com

AEG E-mail News

We hope you have received your first installment of AEG E-Mail News over Thanksgiving. If you are interested in receiving your newsletter in this format and no longer want to receive the paper version, please contact Scott Walker or Peggy Ganse and he will take you off the snail mail list. The Section is maintaining a hard copy version of the news, however we appreciate your help in reducing mailing costs if the paper copy no longer provides value to you We have e-mail addresses for most of the Section, but need help locating addresses for the following members, if you have email information on these members, please forward to Scott:

Dale Baures, Andrei Bedoya, Robert Benmark, Warren Bennett, Kevin Bjella, Michael Bukovansky, Paul Burger, Craig Buth, Susan Buth, David Butler, John Cabrera, Charles Campbell, Chris Chapman, C. Compton, James Dahill, Jerry Dodd, John Doty, Jean Ernstberger, Christopher Erskine, Ryan Fisher, Marion Glasgow, Thomas Griepentrog, Nicholas Hatfield, Daniel Heidenreich, Jeffrey Hynes, Brian Jacobs, Walter Junge, Thomas Karnuta, Michael Kopek, Nancy Lamm, Douglas Leafgren, Kathleen Littleton, Eric Lorensen, Juan Maez, Tim Manzagol, Diane Marron, Roy McKinney, Nancy McNab, Deborah Miles, William Moler, Charles O'Melveny, Marcus Pardi, James Pendleton, Bruce Peterman, Kent Peterson, Patrick Plumley, Kathleen Proffer, Gordon Revey, Charles Robinson, William Rogers, Damon Runyan, Eduardo San, J. Gary Shaughnessy, Greg Sherman, William Sherman, Harry Siebert, Thomas Staatz, R. Strain, Laura Swezey, Robert Thommen, Michael Unger, Mark Vessely, Curt Wells, Michael West, Robin White, Gary Whitt, Scott Winters

AEG-RMS Webpage

The new AEG-RMS website is nearly up and running! Our New Year's Resolution is to have the website ready for distribution early in the year. It will contain information about Section activities, upcoming meetings, contact information, and links to the National AEG website and other geological sites. You will be able to read the monthly meeting announcement, RSVP for the meeting, and send e-mails to Section officers, all on one site!

Annual Student/Career Night

Once again, this meeting is shaping up to be a huge success. We encourage you to show your support to students and your profession by registering as a sponsor (form below). The Section could not hold this meeting without your continued support and interest – thank you! Space for sponsor tables is rapidly filling up, so sign up now before it's too late! The deadline for booth registration is 26 January 2000. Please contact Jim Wright for details.

2001 Student Night Banquet

The Association of Engineering Geologist Rocky Mountain Section (AEG/RMS) invites you to attend our Annual Student Night on 8 February 2001 at the Colorado School of Mines in Friedhoff Hall of the Green Center on the Colorado School of Mines Campus in Golden Colorado. Engineering geology, environmental geology, and groundwater geology students from colleges and universities throughout the Rocky Mountain region have been invited to attend the meeting as guests of AEG/RMS. In addition, three students presentations will be given focusing on the theme of “practical Research and/or Solutions in Engineering, Environmental and Groundwater Geology.”

The Social Hour and Banquet are an excellent time to meet and greet future engineering geologists, welcoming them into the profession. More importantly, the meeting will provide an opportunity to meet one-on-one with some of the best job candidates our regional schools have to offer – students have been advised to bring their resumes.

We invite you to show your support by sponsoring a display table where you can highlight your company's products, services, and interesting projects to the students and other geological professionals. Included in your \$100.00 registration fee is the display table and dinner for one company representative; additional sponsored dinners for students may be purchased for \$25.00 each. In addition, you can submit up to 5 pages of material for inclusion in the student registration packet. If you are unable to participate as a full sponsor, we invite you to sponsor individual students for only \$25.00 each.

Please Contact Jim Wright at 303-662-0100 (AEG/RMS Secretary) or Peggy Ganse at MAG@haleyaldrich.com (AEG/RMS Chair) with any questions.

AEG/RMS STUDENT NIGHT SPONSOR REGISTRATION FORM

Company Name: _____

Contact: _____

Phone/email: _____

Amount:

- \$25.00 one student dinner
- \$50.00 two student dinners
- \$100.00 display table and one complimentary dinner
(name of person attending dinner _____)
- \$_____ other

RSVP by **26 January 2001** – fax registration form to Jim Wright at 303-662-8757 or mail registration form and check made out to “Association of Engineering Geologists” .

