



Association of Environmental and Engineering Geologists Kansas City/Omaha Section December 2009

December Section Meeting

Our last section meeting for 2009 will be held at **Barley's Brewhaus** on Midland Drive. The program will be somewhat different and, we hope, fun. We are requesting geology-themed vacation/field trip photos that you could briefly (<5 minutes) talk about. Send them to Josh Sales [JoshuaSales@KennedyJenks.com] He will compile them into a single PowerPoint for presentation during the meeting.

We'll see you all **December 1, 5:30 pm at Barley's Brewhaus**, Midland Drive at Renner Road. (Off of I-435)

CAPG Continues the Fight

The **California Association of Professional Geologists (CAPG)** continues to struggle for the restoration of the California Board of Geologists and Geophysicists (BGG). A hearing will be held on December 2nd, at which time the CAPG will make a case for reinstatement of the BGG. In the meantime, CAPG is seeking support from all California Professional Geologists in the form of monetary donations and letters to legislators.

More information can be found by contacting **Peter Thams, Chair** of the AEG Southern California Section.

Emporia Students Prepared

On September 23, 2009, **Mr. Richard Moberly, PG**, Senior Consulting Geologist and Vice President of URS Corporation, and **Dr. Tom Mulinazzi, PE, RLS, PhD**, Professor of Engineering at Kansas University, visited the **Emporia State University** campus to make a presentation to the Earth Science and Pre-Engineering students. The focus of the discussion was professional licensing of geologists and engineers in Kansas. Exam

formats and requirements were explained to the students, with the suggestion that they take the examination as soon as they met the experience qualifications so the information would be fresh in their minds.

In addition, the presenters provided insight to the students regarding the traits that engineering and geologic consulting companies were interested in when interviewing perspective new employees, as well as some of the important items that were helpful to include on their résumés. About 50 students and educators attended.

GSA Award

Syed Hasan, Professor of Geoscience, University of Missouri-Kansas City (UMKC) received the **Geological Society of America (GSA) Engineering Geology Division's Meritorious Service Award** at the Annual GSA Meeting, Portland, OR, in October 2009. Established in 1982, the award recognizes outstanding efforts of deserving Geological Society of America members. Selection criteria are rigorous and only those who have a distinguished record of accomplishment and service to the profession are considered for this prestigious award.



Syed also presented a poster at the 2009 GSA annual meeting titled **"Lamproite and Animal Health."**



September Section Meeting

On **September 29**, our Section played host to **Dr. Marcia Schulmeister**, Associate Professor of Geology at **Emporia State University**. **Dr. Schulmeister** discussed her paper, "A New Approach to Resolving Preferential Flow and Irregular Plume Margins in the Equus Beds Aquifer, Kansas." About 20 people were in attendance.

Kansas Hydrology Seminar

The **18th Annual Kansas Hydrology Seminar** is scheduled for **Friday, November 20, 2009**. The seminar is sponsored by the **American Institute of Hydrology (AIH) Kansas Section** and the **Association of Environmental and Engineering Geologists (AEG) - Kansas City – Omaha Section**. The program will be held at the Topeka-West Holiday Inn.

The seminar will include presentations on a variety of technical and regulatory topics pertaining to the hydrologic environment of Kansas. Please see the agenda at the end of this newsletter. Individuals who attend the entire seminar will receive a Certificate of Attendance certifying the accomplishment of seven (7) PDHs.

KU Geotechnical Conference

If your interests are on other aspects of the profession, you might register for the **41st Annual Geotechnical Conference** at KU to be held on **Friday, November 20, 2009** in Lawrence, Kansas. (Yes, folks, that's the same day as the Kansas Hydrology Seminar!) Hear the two latest Terzaghi Lectures:

"Uncertain Geotechnical Truth and Cost-Effective High-Rise Foundation Design"-
Clyde N. Baker Jr., P.E., Dist. M.ASCE., Senior Principal Engineer, AECOM, Vernon Hills, Ill.

"Criteria for Geotextile and Granular Filters"-
J.P. Giroud, Independent Consultant, JP GIROUD, Inc., Ocean Ridge, Fla.

Attendance at the Conference will also qualify the attendee for **seven (7) PDHs**.

For more information, see the website at: <http://www.ContinuingEd.ku.edu/programs/geotechnical/>

GSA is Coming to Branson!

It's not too early to start planning for 2010! The Joint Meeting of the North-Central and South-Central sections of the **Geological Society of America** is coming to **Branson, Missouri**, on **April 11-13, 2010**. The meeting will be held at the new Hilton Convention Center at Branson Landing, on the shore of Lake Taneycomo. For more details see:

<http://www.geosociety.org/sectdiv/Northc/2010mtg/index.htm>

The sections are currently soliciting proposals for theme sessions, symposia, field trips, and workshops. **Syed Hasan**, Professor of Geoscience at UMKC, is offering a workshop on "**Geology and Human Health**" at the upcoming meeting. Other KC-O Section members are invited to submit additional abstracts for the Branson meeting on one or more sessions that include engineering and environmental geology (Sessions 12 and 13). Visit: <http://gsa.confex.com/gsa/2010NC/cfp.epl> for abstract submission instructions. The deadline is Jan 19, 2010

UIC Conference

Ground Water Protection Council will hold the Annual UIC Conference in Austin Texas on Monday, January 25th through Wednesday, January 27th, 2010. More information here <http://www.gwpc.org/meetings/uic/uic.htm>

KC/O Section Board Members

Chairperson: *Joshua Sales*, Kennedy/Jenks
Vice Chair: *Greg Ohlmacher*, Black and Veatch
Secretary: *Adrian Goettemoeller*, HDR, Inc.
Treasurer: *Steve Bruer*, Tetra Tech, Inc.

Contact information for our board members as well as information about any of the events listed in this newsletter can be found on our website: <http://aeg.vocshop.com/>.



18TH ANNUAL KANSAS HYDROLOGY SEMINAR

Sponsored By:
American Institute of Hydrology (AIH) - Kansas Section
and
Association of Environmental and Engineering Geologist (AEG) –
Kansas City/Omaha Section

Friday, November 20, 2009
9:00 a.m. to 4:00 p.m.

Holiday Inn Holidome
605 SW Fairlawn Road, Topeka, Kansas 66606

The Kansas Section of AIH and the Kansas City/Omaha Section of AEG invite you to attend the 18th Annual Kansas Hydrology Seminar. A complete program outline is provided on the back of this page.

CONFERENCE REGISTRATION AND FEES: Registration will be held near the classroom entrance from 8:00 to 9:00 am. The registration fee of **\$40.00** includes meeting expenses, morning and afternoon refreshments, and lunch. Students with current student I.D. can register and attend the entire program for \$15.00. Presenters do not have to pay the registration fee. Fees may be paid in cash or by check. If paying with cash, please try to bring correct change, which will facilitate registration. If paying by check, the check should be made out to "Kansas Section – AIH."

TIME AND LOCATION: Registration will begin at 8:30 am with the seminar starting at 9:00 am. The seminar will be held at the Holiday Inn Holidome in Salon C, 605 SW Fairlawn Road, Topeka, Kansas. The Holiday Inn Holidome is located about one (1) block south of the Fairlawn exit from I-70.

PROFESSIONAL DEVELOPMENT HOURS (PDHs): Individuals who attend the entire seminar will receive a Certificate of Attendance certifying the accomplishment of 7 PDHs.

Please help us in planning for the seminar by e-mailing Carl Nuzman (cyjnzmn@swbell.net) by Friday November 13th to confirm your plans to attend and relay any dietary request.

18TH ANNUAL KANSAS HYDROLOGY SEMINAR

- 8:00 – 9:00 Registration at the Holiday Inn Holidome meeting room
9:00 – 9:15 Welcome & Opening Comments by Carl Nuzman, President, Kansas Section - AIH

Morning Moderator

Robert L Vincent, Vice-President of KS-AIH and member of AEG

- 9:15 – 9:45 *Fractionation of Humic Material in Tall-Grass Prairie Soil Waters*, by Michael L. Pomes, Ph.D., L.G. Chief of the UST Unit in the Bureau of Environmental Remediation, KDHE.
9:45 – 10:15 *Kansas Sediment Baseline Research Strategy*, by Chris Gnau, of the Kansas Water Office, Topeka, KS.

10:15 – 10:30 Morning Break

- 10:30 – 11:00 *Darcy's Law Validation by Direct Velocity Measurements in Contaminant Hydrology*, by I. Bowen, P. Schillig, J.F. (Rick) Devlin, Department of Geology, University of Kansas, Lawrence, KS.
11:00 – 11:30 *DP Methods to Investigate Uranium Distribution in an Alluvial Aquifer and Implication for Public Water Supply Systems*, by Wesley McCall and Thomas M. Christy, Geoprobe Systems, Salina, KS.
11:30 – 12:00 *Determining Sources of Potential Nitrate Contamination of Ground Water in Northeastern Kansas by Using Isotopic and Chemical Tracer Methods*, by Margaret Townsend, Kansas Geological Survey, Lawrence, KS.

12:00 – 1:00 Lunch Guest speaker to be announced

Afternoon Moderator

Joshua Sales, Chairperson, KC/Omaha Section – AEG

- 1:15 – 1:45 *Getting More from Monitoring Well Data: Subsurface Characterization Using Well Responses to Fluctuations in Barometric Pressure*, by Jim Butler, Wei Jin, Ed Reboulet, and Bob Buddemeier, of the Kansas Geological Survey, University of Kansas, Lawrence, KS.
1:45 – 2:15 *Applications of New Technologies to Development of Large Capacity Water Wells: Angle Well Development – Iowa Case Study, Lining an Open Hole Interval using a Modified Suction Control Flow Device to Reduce Sediment Production*, by Martha J. Silks, Hydrogeologist/President of Quad State Services, Inc, Perry, KS.
2:15 – 2:30 Afternoon Break
2:30 – 3:00 *Locating and Developing Ground Water Supply for Small Cities and Rural Water Districts*, by Robert L. Vincent, President of Groundwater Associates, Inc., of Wichita, KS..
3:00 – 4:00 *Development of Kansas: The Land and the State*, by William J. Gilliland, Retired Professional Geologist, Topeka, KS.
4:00 – 4:15 Closing Comments
4:15 – 5:00 Business meetings of AIH and AEG