



ANNUAL MEETING SPECIAL EDITION

About this issue...

The Management Board decided at the last annual meeting to have one issue of THE ENGINEERING GEOLOGIST devoted to the upcoming annual meeting. The idea is to highlight activities of specific interest to environmental and engineering geologists. Division Program Chair, Robert A. Larson, worked diligently to ensure the technical program would offer sessions of interest to the environmental and engineering geologist.

This issue is also intended to bring sessions to the attention of EGD members prior to the abstract deadline of **July 12, 1999**. EGD members are encouraged to actively participate in the annual meeting by presenting papers. Information is also provided in the hope that EGD members will attend short courses, field trips, and EGD functions. Preregistration for the GSA annual meeting is September 17, 1999. **See you in Denver!**

Reminder: Deadline for the next issue of The Engineering Geologist: **July 1, 1999**. Send to: Jerry DeGraff, 5339 N. Orchard Avenue, Fresno, CA 93710 or E-mail: Fishlake@Worldnet.att.net

Topical Sessions to Consider

The technical program at annual meetings depends heavily on groups and individuals bringing researchers together around a particular topic to share their findings. Currently, this is done by proposing topical sessions that are then accepted by the Technical Program Committee.

Each topical session has one or more advocates. Unlike symposiums, advocates cannot guarantee acceptance of an abstract. They are to encourage individuals to contribute to a topical session. A topical session will only take place at the annual meeting if a sufficient number of abstracts are submitted for it. If you are submitting an abstract for a specific topical session, be sure to note the session on your abstract. Contact the identified session advocate for details on the nature of the session.

Session T21 - New Advances in Mine Site Remediation and Reclamation: Taking a Landscape Perspective

Anne MacDonald; macdonalda@exponent.com

This session will explore advances in understanding of engineered landscape components; topography, soil, moisture, nutrients, and plants and their use to optimize mine site remediation and reclamation schemes that are environmentally sensitive and sustainable. Papers are sought (from research or case study perspectives) regarding waste material handling; soil, water, and nutrient management; long-term evolution of the post-mining landscape; and site treatment and species selection for revegetation.

Session T22 – Dam Geology: New Science Applied to Old Problems

Robert A. Larson; ralarson@ecom.net

This session presents the application of state-of-the-art geoscience to dam design, construction, risk assessment, failure, and downstream effects. Flooding, landsliding, and earthquake hazard assessments of dams, as well as the geoscience analysis of the largest dams in the U. S. currently under design and construction, will be presented.

Session T23 – Deicing Salts and Their Effect on Crushed Rock Aggregate

Peter P. Hudec

The session will discuss advances in rock durability research, focusing on the thermodynamics of frost deterioration of aggregate under the influence of deicing salts, and will include topics on: Osmosis or Freezing? Why is 3-5% concentration of most salt/alcohol solutions most destructive? What physical properties of aggregates (pore size, distribution, internal surface areas, etc.) influence freeze/thaw breakdown?

Session T24 – Digital Field Mapping and Data Collection

John H. Kramer; jkramer@condorearth.com

Reports from field workers will cross the technical divide from the media era of the 1990s when paper-based field data were scanned or transcribed, to the era when maps are born digital, collected, edited, stored, transmitted, and processed as blips on chips.

Session T25 – Engineering/Environmental Geology – State Geological Surveys & Academic Communities

Duane Eversoll; deversoll2@unl.edu

State geological surveys have historically provided invaluable research to the applied fields of engineering and environmental geology. This session will focus on the programs and projects that serve societal needs and that are conducted by the state surveys and associated academic communities. Papers are sought from past and present employees of state surveys and associated academic communities.

Session T26 – Expansive Materials along the Front Range of Colorado: Identification, Clay Mineralogy, Mapping Programs and Depth of Wetting Resulting from Development

Edward O. Church; CHURCHEO@email.msn.com

Expansive materials have severely impacted construction along the Front Range of Colorado. These materials will be discussed with respect to county mapping programs, identification of expansive materials based on bio-stratigraphy and clay mineralogy, and the depth of wetting in these materials due to residential development.

Session T27 – Geologic Input to Public Decision-Making: The Need for Greater Predictive Capability

Jerome V. DeGraff; Fishlake@Worldnet.att.net

Geologic input to policy issues related to reducing geologic hazard impacts, effective hazardous waste clean-up alternatives, and geologic resource availability is expected to have greater predictive capability. This session will explore geologists' involvement with risk and economic models as well as developing better predictive capabilities for geologic events and conditions.

Session T28 – Geologic Hazard Mapping – the State of the Art

Randy Jibson; jibson@gldvxa.cr.usgs.gov

Losses from geologic hazards have been increasing, and systematic approaches to identify, quantify, and portray geologic hazard and risk are needed to make rational planning and zoning decisions, to plan responses to emergencies, and to project possible losses in different hazard scenarios. This session will provide a forum for experts studying a variety of geologic hazards to share their most recent innovations in hazard-mapping approaches and technology.

Session T29 – Reactivation of Old Landslides Following Development

Scott Burns; Scott@ch1.ch.pdx.edu

Old landslides always have a high potential of moving again. In many recent examples, human development on old slides has reactivated them by cutting off the toes, adding loads to the upper slide, and changing the hydrology. There is always loss of property, whether one house or an entire development.

Important Note: An electronic abstract form and complete instructions are located on the GSA Web site at www.geosociety.org. Paper abstract forms are also available from most university geology departments, session advocates, GSA campus representatives, symposium conveners, or the GSA abstracts coordinator, Nancy Carlson, at ncarlson@geosociety.org. **Abstracts are due July 12 at midnight Mountain Time Zone.**

Field Trip #9

On the Sunday preceding the annual meeting
**Bouncing Boulders, Rising Rivers and Sneaky
Soils: A Primer to Geological Hazards and
Engineering Geology Along Colorado's Front
Range**

David C. Noe; dave.noe@state.co.us

Short Courses of Interest

Practical Methods in Applied Contaminant Geochemistry: From Characterization to Remediation

Saturday, October 23, Donald I. Siegel, Syracuse
University. Fee: \$175, students \$155. C.E.U. 0.8

Digital Mapping Methods: Accurate Digital Data Capture and analysis for the Field Geoscientist

Saturday-Sunday, October 23-24, Kent Nielsen,
Carlos Aiken, University of Texas at Dallas. Fee:
\$385, students \$365. C.E.U. 1.6

Application of Environmental Isotopes to Watershed Hydrology and Biogeochemistry

Sunday, October 24, Carol Kendall, Tom Bullen,
U.S. Geological Survey, Menlo Park, California.
Fee: \$275, students \$255. C.E.U. 0.8

Registration information and course descriptions
will be published in the June issue of *GSA Today*.
For additional information, contact Edna Collis
(ecollis@geosociety.org), Professional
Development Department, GSA Headquarters.

Engineering Geology Division Events

Wednesday, October 27, 1999, will provide an
opportunity to honor our Division members being
honored for their achievements this year. The
awards will be presented during the EGD
Luncheon Business Meeting from 12.45 p.m. to
3:30 p.m. A reception starting at 11:45 a.m. will
precede the luncheon.

The awardees for 1999 are:

Distinguished Practice

Richard Grey

Meritorious Service Award

Mike Hart

E.B. Burwell, Jr. Award

Dr. Paul F. Karrow and Dr. Owen L. White for
the 1998 Geological Association of Canada
Special Publication 42, *Urban Geology of
Canadian Cities*.

The current *Richard H. Jahn's Distinguished
Lecturer*, **Mavis Kent**, will be presenting her
lecture at the end of one the Division-sponsored
sessions. Please watch the program for the exact
time and place.

On Monday, October 25 from 12:00 –3:00 p.m.,
the EGD Management Board meeting will held in
the Poster session area. It will be near the
Engineering Geology Division poster area.
Please feel welcome to come by and participate.

Attention Students: Roy J. Shlemon Scholarship Fund for Engineering Geology Support

The Division is pleased to request applications for
Roy J. Shlemon Awards for this year's annual
meeting, field trips, and short courses. The only
criterion is that you must be a student member of
GSA. However, student members of the Division
(\$2/year) will be given preference. Fill out the
insert form and have a professor in your
department sign it, and then send it in. You will be
notified about a month in advance of the meeting,
if an award is made. Transportation, room, and
board must be provided by the student. An award
will pay for meeting registration, and the
attendance fee for a short course or field trip. You
may apply for more than one field trip and short
course. So, please send in your application as
soon as possible. **Remember: September 17th
is the preregistration deadline for the annual
meeting.**



The Engineering Geology Division

of the Geological Society of America

Roy J. Shlemon Award

for Annual Meeting, Field Trips and Short Courses

Application

The deadline for receipt of the application is September 1, 1999.

Name: _____ GSA Member # _____

Mailing Address _____

Daytime phone _____ Email _____

Are you a Student Member of the Engineering Geology Division? Yes _____ No _____

Award Request

Meeting Registration Fee \$ _____

Name of Short Course and Fee \$ _____

Name of Field Trip and Fee \$ _____

Total Award Request \$ _____

Name of College or University where enrolled _____

Year of Study: Freshman _____ Sophomore _____ Junior _____ Senior _____ Graduate _____

Signature of Applicant _____ Date _____

To be completed by a Professor in your Department:

The above named student has demonstrated satisfactory progress toward their degree.

Signature _____ Name _____

Title _____ Date _____

Mark outside of envelope with "Shlemon Award" and send completed application to:

Robert A. Larson, Vice-Chair, EGD

6416 Woodley Ave., #5

Van Nuys, CA 91406