



# ASSOCIATION OF ENGINEERING GEOLOGISTS

Southern California Section  
"Serving Professionals in Engineering, Environmental,  
and Groundwater Geology Since 1957"

## NEWSLETTER – DECEMBER 2002

### MONTHLY DINNER MEETING

**Date:** Tuesday, December 10, 2002  
**Location:** Stevens Steakhouse, 5332 Stevens Place, Commerce, CA  
**Time:** 5:30 p.m. - Social Hour; 7:00 p.m. – Dinner; – 8:00 p.m. Presentation  
**Reservations:** Call (949) 253-5924 ext. 564 by 12:00 p.m., Monday, December 9, 2002  
**Cost:** \$25.00 per person with advanced reservations, \$30.00 at the door, and \$10.00 for students w/ valid I.D., "No-shows" will be billed \$10.00

**SPEAKER:** Scott Burns

**TITLES:** "AEG: A Bright Future," and "Lessons Learned from Landslides"

**ABSTRACT:** AEG has gone through many changes this past year: a new headquarters, a new leadership team, a new publications board, a new fiscal year, new awards, and a new innovative specialty conference. President Scott Burns will summarize these new changes and some of the directions AEG is going. We are trying to build an organization that will represent the membership nationally and internationally, develop new leaders starting with students, strengthen sections, continue to cultivate partnerships with other professional organizations, and arrive at fiscal stability in the future. How can each of us play a part in our future?

Scott Burns has been working in all phases of landslide research for 26 years. Using case histories he will summarize 15 different principles he has learned related to landslide mapping, research, and mitigation. Topics included will be: signs to look for and not look for, relationships to geology, field techniques, reactivation of old landslides, landslide development in "flat" terrain, human involvement in slides, landslides on volcanoes, earthquakes and landslides, developing maps to be used, importance of debris flows, looking for failure surfaces, and innovative fixes.

#### OFFICERS

##### CHAIR

Tania Gonzalez  
(714) 282-6123  
[tgonzalez@earthconsultants.com](mailto:tgonzalez@earthconsultants.com)

##### VICE CHAIR

Matthew Hawley  
(818) 707-8320  
[mhawley@leightongeo.com](mailto:mhawley@leightongeo.com)

##### TREASURER

Brian Villalobos  
(714) 549-8921  
[bvillalobos@petra-inc.com](mailto:bvillalobos@petra-inc.com)

##### SECRETARY

Jeff Kofoed  
(818) 842-2543

Scott Burns is the president of AEG. He is a Professor of Geology at Portland State University where he is in his 13th year of teaching. He has been teaching for 33 years, with past positions in Switzerland, New Zealand, Washington, Colorado and Louisiana. Scott specializes in environmental and engineering geology, geomorphology, soils, and Quaternary geology. He has projects involving landslides and land use, environmental cleanup of service stations, slope stability, landslide and earthquake hazard mapping, Missoula Flood paleosols, loess soil stratigraphy, radon generation from soils, and the distribution of heavy metals and trace elements in Oregon soils. Scott has won many awards for outstanding teaching with the most significant being the Faculty Senate Chair Award at Louisiana Tech University in 1987 and the Distinguished Faculty Award from the Portland State in 2001. He has authored over 90 publications and has had over 25 research grants. He was editor of AEG's 1998 publication: Environmental, Groundwater and Engineering Geology: Applications from Oregon.

He has a BS and MS degree from Stanford University and a Ph.D. from the University of Colorado. He has held several positions in the past: president of the Oregon Society of Soil Scientists, chair of the Oregon Section of AEG, chair of the engineering geology division of the Geological Society of America, Associate Dean for the College of Liberal Arts and Sciences at Portland State, fellow of the Kellogg National Leadership Program, and president of the faculty senates of three universities.

## CHAIR'S COLUMN

By Tania Gonzalez

I hope that you all had a wonderful and safe Thanksgiving! As usual, this is the time of year we typically find ourselves wondering where the year has gone, and stressing out over all the end-of-year activities. Therefore I hope that you can spare some time this 10<sup>th</sup> of December and joins us for our last meeting of the year. As promised, Scott Burns, President of AEG will be our guest speaker. If you are interested in hearing about the status of AEG, or about landslides, then I do hope you join us.

A very warm thank you to all of you who responded to our frantic faxing of the November newsletter and came to the meeting with little advance warning. As it turned out, we had a pretty good turnout. E.D. Michael, our speaker, argued that infinite slope analysis is not a reliable method to evaluate mudflow risk, and suggested various mitigation measures that can be used to reduce this hazard. This led to a lively discussion at the end of the presentation, including the participation of several of the geotechnical engineers in the audience.

A review of the Southern California AEG membership shows that our members are located primarily around three main areas: in southeastern Ventura and western Los Angeles counties, in central Orange County, and in western San Diego County (see map below, showing number of members by zip code). This proves that our usual meeting location in Commerce, while perhaps somewhat equidistant to both Ventura and Orange counties, is really not convenient to most of our members. This further strengthens our resolve to find other meeting venues for the next year. If you have any suggestions for meeting locations in these areas, please call me or send me an e-mail.

Some of the topics that we are lining up for next year include the impact of tsunamis on the southern California coastline, the Denali, Alaska Earthquake of

October 2002, and damage caused by Hurricane Mitch in Honduras. We still have about 5 meetings open, for which we have not identified a speaker. If you have any suggestions for future speakers, please contact Matt Hawley, our Vice-Chair.

Last but not least, please join me in congratulating our past Chair, Dave Seymour and his wife, Kerri, for their latest addition to their family, a baby boy that weighed in at 10 lbs! They are now the proud parents of 4 kids. Dave finished his 2-year term as Section Chair just in time to take on more responsibilities at home. Way to go Dave!

If you have any comments or comments regarding the AEG, both at the National or southern California level, please give me a call or drop me an e-mail. As usual, we are always looking for volunteers. For example, it has been several years since the Southern California Section has put together a field trip. I would like to start holding these again on a regular (yearly or every other year, at least). If you have ideas, do give me a call.

Do not forget to check out the AEG web page at <http://www.aegweb.org>. If you use your membership ID and password (on the membership card we each get annually from National), you can access several different member services, including the more recent member directory. In the next month or two, we should also be able to order publications and pay our annual dues online.

## 2003 MEMBERSHIP RENEWAL

You probably received your 2003 dues statement from AEG National by now. If you have not received it, or are unsure about your membership status, please contact AEG Headquarters [aegweb.org](http://aegweb.org), or Tania Gonzalez. We are currently looking for a new Membership Chair. Please contact Tania Gonzalez you wish to volunteer.

YEAR 2002 CONTRIBUTORS

Our special thanks to:

**Earth Consultants International  
Robertson Geotechnical, Inc.**

ADVERTISING IN THE NEWSLETTER

Business Card	\$10/month	\$100/year
¼ page	\$20/month	\$200/year
½ page	\$35/month	\$350/year
Full page	\$50/month	\$500/year

YEAR 2002-3 CONTRIBUTORS NEEDED

Contributions from corporations and individual members for 2002 are greatly appreciated. Contributors will be listed in our newsletter throughout the year and can post their logo or business card in the newsletter if so desired. Please mail contributions made out to **AEG** to our section chair, Tania Gonzalez.

**AEG/ASCE, CGS Special Publication 117 Landslide Workshop**

This two-day workshop, presented by the members of the slope stability committee, is intended to summarize and explain the recommended procedures, and provide time for interaction with the authors. The workshop is intended for both managing and practicing engineers and geologists. Speakers will include T. Blake, R. Hollingsworth, R. Jibson, R. Masuda, D. Pradel, C. Real, N. Sathialingam, and J. Stewart. Participants will receive a notebook containing printed copies of the speakers' presentations and a CD-ROM of the presentations as PowerPoint files. The CD will also include an Excel spreadsheet that can be used to calculate earthquake-induced displacements by a committee-recommended simplified procedure and a Windows computer program developed by R. Jibson (USGS) to perform rigid-block Newmark-type seismically induced displacement integration analyses. Workshop materials also will include worked examples of seismically induced slope deformation calculations. Continuing Education units will be available to attendees through the Association of Engineering Geologists. Please visit the website for registration form and additional details.  
[www.scec.org/resources/landslide.html](http://www.scec.org/resources/landslide.html)

EMPLOYMENT OPPORTUNITIES**Kingston Engineering, Inc.**

Kingston Engineering, Inc. a newly established engineering design firm is looking for a business partner (CEG or PE prefer GE, 6 to 10 years experience) to operate our Geotechnical Branch. We have a fully equipped and certified soil laboratory. If you are ready to run your own Geotechnical business, please send your resume. All responses shall be confidential.

Kingston Engineering, Inc.  
21015 Commerce Pointe Drive  
Walnut, CA 91789  
O:909-869-8618 F:909-869-8580

**Haley & Aldrich, Inc.**

Haley & Aldrich, Inc. is seeking the following staff to serve prestigious industrial clients on interesting environmental projects in their Brea, CA (East Los Angeles) office:  
Civil, Geological, or Environmental engineer (4 to 5 years experience)  
CA Registered Geologist (5 to 6 years experience)  
Toxicologist (2 years experience)  
Senior Geotechnical Engineer (7 to 8 years experience)

Interested parties should email resume, statement of qualifications and career interests to Travis Hammond, [TSH@HaleyAldrich.com](mailto:TSH@HaleyAldrich.com)



**Petra Geotechnical, Inc.** is an established company for over 27 years with 5 offices throughout southern California. We are currently seeking to fill the following positions:

Qualified civil, geotechnical and environmental engineers, geologists, and technicians in the fields of geotechnical and environmental engineering, materials testing, and special inspection for all office locations.

An individual who is a registered civil/geotechnical engineer or engineering geologist with 10+ years of relevant experience in land development to fill the position of Office Manger at our Los Angeles County Office.

Please send resume to:  
Jeanne Krinsky  
Petra Geotechnical, Inc.  
3185-A Airway Avenue  
Costa Mesa, CA 92626  
(Fax) 714-668-3770  
Email: [jkrinsky@petra-inc.com](mailto:jkrinsky@petra-inc.com)



Lawson & Associates Geotechnical Consulting, Inc.  
1020 Calle Cordillera, Suite 101  
San Clemente, CA 92673  
Telephone: (949) 369-6141  
Fax: (949) 369-6142  
Website: [www.lgcgeo.com](http://www.lgcgeo.com)  
Email: [www.info@lgcgeo.com](mailto:www.info@lgcgeo.com)

LGC is looking for dynamic individuals to join our team and work on some of Orange County's most interesting and technically challenging projects. If you are an experienced geotechnical professional, or just starting your career, please do not hesitate to contact us. All inquires will be considered in the utmost confidence. We look forward to hearing from you.



An Employee-owned Company

## Senior Geotechnical Engineer/Senior Geologist

Kleinfelder is an **ENR "Top 70"** engineering consulting firm specializing in earth, air, and water sciences, including geotechnical engineering, engineering geology, materials engineering and testing, environmental engineering and science, and construction management. We are seeking motivated senior level professionals to assist in our growing Inland Empire Market. The available positions will involve staff supervision, business development and project management. Qualified candidates should have 5 years of progressively responsible experience in the consulting arena and possess a CE, GE or CEG registration in the State of California. We are interested in dynamic and motivated individuals with the leadership skills to grow within an expanding operation. We offer an excellent compensation package commensurate with experience. **All inquiries will be held in strict confidence.** We are a fully employee-owned company serving the western United States. Please submit resume and letter of interest to:

KLEINFELDER, INC.  
1940 Orange Tree Lane  
Redlands, Ca. 92374  
[www.kleinfelder.com](http://www.kleinfelder.com)

## Douglas E. Moran, Inc

### ENGINEERING GEOLOGY SOIL ENGINEERING

Do you need reliable results of soil tests that you are not equipped to perform or do not have time to perform? Consider asking **Douglas E. Moran, Inc.** to perform the tests for you. They maintain a laboratory equipped to perform most tests (A.S.T.M., U.B.C., or CALTRANS) and you can always rely on the results. They are willing to perform long-term tests that may be inconvenient to perform in a laboratory that is too busy to allow testing machinery to be tied up for the length of time those tests may require. For your consideration, the following is a list of some of the conventional soil tests that they are equipped to perform.

#### Remolded and/or Undisturbed:

Consolidation	Hydrometer Analysis
Consolidation Plus Time Rate	Liquid Limit, Plastic Limit, Shrinkage Limit
Direct Shear	Moisture/Density (undisturbed)
Residual Shear	Maximum Density
Expansion	Sand Equivalent
Expansion Index	Specific Gravity (soil and rock),
Grain Size (Full Sieve Set)	Swell or collapse (remolded air-dry, HUD)

Feel free to call and ask for **Doug Moran** or **Rick Herrera** at (714) 544-2215, Fax (714) 544-7395.

**MASTERPIECE ROCKS & FOSSILS**  
**Specializing in Décor for Home, Office And Gifts**

**Mineral Clusters, Rock Carvings, Fossils Slabs, Rock Vases & Bookends, Etc. Various Sizes With Some Weighing 150 lbs.**

**Museum Quality Mineral Clusters, Dinosaur Eggs, Triceratops Horn, Etc.**

**Quality At Reasonable Prices**

*Call For An Appointment Or For An Announcement To Our Next Semi-Annual "Open House":*

**Phone & Fax: (818) 249-9736  
91224-0692**

**P.O. Box 8692, La Crescenta, CA**



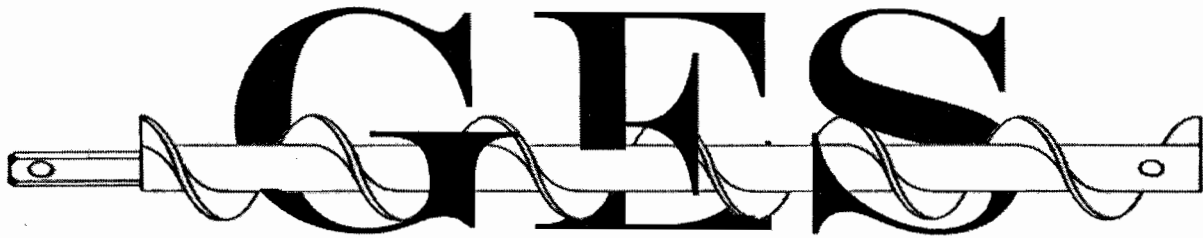
**The Structural Engineering Consultants,  
Inc.**

**GREG RILEY P.E.  
PRINCIPAL**

- Residential Developments
- Seismic Engineering
- Nationwide Retail  
(Licensed in 48 states, including: Puerto Rico and US Virgin Islands)
- Foundation Engineering/Underpinning  
(Expert specialty in A.B. Chance Foundation Piers)

Located at:  
27200 Tourney Road Suite 390  
Valencia, CA 91355

Tel: 661.287.5800  
Fax: 661.287.5855  
[www.structuralconsulting.com](http://www.structuralconsulting.com)  
E-mail: [info@structuralconsulting.com](mailto:info@structuralconsulting.com)



*GILES EXPLORATION SERVICES*

**Specializing in  
Professional Drilling Services  
For  
Southern California's  
*Geotechnical/Environmental  
Consultants***

All crews are 40hr hazmat certified  
Reliable-efficient  
With 25 plus years experienced  
Currently employing  
CME 45 and CME 75  
Always-competitive rates

SPECIAL INTRODUCTORY OFFER  
**10% DISCOUNT FOR ALL NEW CLIENTS\***

For more information/questions/scheduling  
Please contact Rich Koester/Carl Schrenk at

***(714) 336-5778 or (714) 779-0052***

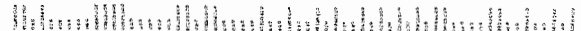
*\*one discount per client*

**Association of Engineering Geologists**  
*Southern California Section*



J. Kofoed  
AEG Newsletter Editor  
947 N. Ontario St  
Burbank, CA 91505

91536+4225 23



**FIRST CLASS POSTAGE**

## *Is The Ground Letting Your Project Down?*



### **MOORE & TABER**



**Geotechnical  
Constructors**

*Serving the geotechnical and  
construction industry with  
creative solutions  
for over 30 years...*

Compaction Grouting  
Chemical Grouting  
Permeation Grouting  
Liquefaction Mitigation  
Stone Columns  
Underpinning

Toll-Free:

1-866-779-7001 or 1-800-991-2472

Web: [www.mooreandtaber.com](http://www.mooreandtaber.com)

Email: [info@mooreandtaber.com](mailto:info@mooreandtaber.com)