



ASSOCIATION OF ENGINEERING GEOLOGISTS

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

NEWSLETTER – JANUARY 2003

MONTHLY DINNER MEETING

Date: Tuesday, January 14, 2003
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, or email Brian Villalobos, by 12:00 p.m., Monday, *January 13, 2003*,
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: Woodrow "Woody" Higdon

TITLE: MapInfo GIS Software Applications

ABSTRACT: Mr. Woodrow "Woody" Higdon will discuss the latest developments in GIS software, with emphasis on the latest versions of MapInfo. MapInfo is very powerful and relatively inexpensive software (compared to ESRI products) that has tremendous applications in the geological, geotechnical and environmental fields. The most recent versions allow draping of topography and other 3-dimensional layers onto a base map, generating some very powerful (and great looking) graphics. Woody will also show us the latest in aerial photographic techniques that he uses for his geologic clients.

BIO: Woody Higdon is a professional geologist, practicing in the State of California for over 25 years. Woody's background is unique, beginning with 4 years in the US Marine Corps where he learned the fundamentals in hydrology, mapping, underwater photography and interpreting aerial photographs [not to mention loads of different types of warfare training].

Woody's military background led him to the profession of Police officer for the Cities of Santa Ana and Garden Grove for over four years, and from there Woody pursued his skills and interests in photography and diving, ultimately leading to a geology degree from CSU Long Beach in 1975. Woody's passion for his profession is equaled only with his skills as a professional diver, helicopter pilot, and advanced skier. Woody is a part of the AEG brotherhood along with numerous other professional associations and societies.

OFFICERS

CHAIR

Tania Gonzalez
(714) 282-6123
tgonzalez@earthcoconsultants.com

VICE CHAIR

Matthew Hawley
(818) 707-8320
mhawley@leightongeo.com

TREASURER

Brian Villalobos
(714) 549-8921
bvillalobos@petra-inc.com

SECRETARY

Jeff Kofoed
(818) 842-2543

CHAIR'S COLUMN

By Tania Gonzalez

Happy New Year! Southern California has certainly started 2003 in a memorable way, with some of the strongest Santa Ana winds in recent memory, fires, and floods. Let us hope that this is not an indication of how the rest of the year will be. Just in case, though, this might be a good month to check your earthquake supply kits, and completing some of those disaster prevention projects around the house and office you have been meaning to get around to.

At least in the geotechnical field, winter is typically less hectic than the summer, although most people I have talked to lately have said that they are as busy as usual. This is good news considering that we are supposed to be in a recession. However, even if you are busy, this may also be the right time to catch up with the latest developments in the field, and take some short courses. In that spirit, this month's speaker is Woody Higdon, who will be discussing the latest in GIS software and digital photography for geologic applications. I do hope you can make it. Please RSVP by noon, Monday, January the 13th.

Quite a few people are also studying for the upcoming RG or CEG exams, as suggested by the sold out short course that REG Review is hosting this Saturday in the Southern California area. If you do trenching work, remember that Cal-OSHA requires that a competent person be designated at every job site. Trench Shoring Company is presenting an 8-hour Competent Person training seminar for \$100.00/person. They also teach a Confined Space Entry Training seminar. These seminars are held once a month (for Competent Person), and once every other month (for Confined Space Entry) at the Embassy Suites Hotel in Anaheim. I took one of their courses a few years ago, and found it well worth it. If you are interested, call Trench Shoring Company for additional information at 310-323-9648.

Finally, the International Conference of Building Officials is presenting several short courses on the application of the 1997 UBC seismic design provisions. For additional information on this short course and many other short courses that they offer, go to www.icbo.org

Matt Hawley is working very hard to put together the list of speakers for this year. If you have a presentation you would like to share with your colleagues, or you have a recommendation about upcoming meetings, please give Matt a call. Don't forget to mark the second Tuesday of every month on your calendar as AEG night! See you at the meetings.

AEG SCHOLARSHIP

AEG has two scholarships that we offer each year. We are presently accepting applications for the Tilford Field Scholarships! We will award two this coming spring - one to a graduate student and one to an undergraduate. The money will help the undergraduate with field camp or working on a field project for a senior thesis, and the graduate student will use the money for field work on their thesis. The scholarship is awarded to qualified student members of AEG who have demonstrated scholarship, leadership and participation in their university programs.

To find out more about this award, contact the AEG website www.aegweb.org under the foundation subheading. Any questions, contact Debbie Green Tilford, chair of the NRT Scholarship Committee at tilgreen@aol.com

If you are a student, consider applying. If you are a regular member and you know a qualified student, encourage them to apply. Deadline for applications is January 31, 2003.

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, or Tania Gonzalez. We are currently looking for a new Membership Chair. Please contact Tania Gonzalez you wish to volunteer.

YEAR 2002-3 CONTRIBUTORS**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

Fee Increase

Effective February 3, 2003, the City of Los Angeles will require fees for reviewing compaction reports and reports submitted to the Department's Correction letters be charged in accordance to the City of Los Angeles Municipal Code Section 91.107.8.1. These two types of reports will be considered as reports for minor work, and one-half of the standard fees will be charged. The Department's Fee Schedule effective February 3, 2003 is as follows:

Report Types	1st Time Submittal	Response to Corrections
Combined Geology & Soils	\$410 (unchanged)	\$205
Geology, Soils, Seismic or Methane	\$240 (unchanged)	\$120
Compaction	\$120	\$60

Please note that in addition to the above fees, there is also an 11 percent surcharge plus \$5.00 that is added to determine the total fee. If you have any questions regarding the above, call Dana Prevost at (213) 482-0488 or David Hsu at (213) 482-0481.

EMPLOYMENT OPPORTUNITIES

Earth Resources, Inc.

ERI is now accepting applications for experienced and entry level Staff Engineers and Field Technicians for full time employment in our Santa Clarita and Walnut offices. Email or fax resumes in confidence to: joe@radiusmaps.net or (800) 554-3205

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



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

LGC

Lawson & Associates

Geotechnical Consulting, Inc.

Lawson & Associates Geotechnical Consulting, Inc.

1020 Calle Cordillera, Suite 101

San Clemente, CA 92673

Telephone: (949) 369-6141 Fax: (949) 369-6142

Website: www.lqcgeo.com Email: www.info@lqcgeo.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

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.

Do your boots get dirty?

Project/Senior Project Geotechnical Engineer
Project/Senior Project Geologist

Leighton and Associates is seeking Project and Senior Project Engineers/Geologists who have: PE/GE or RG/CEG registrations; 5 years of project management experience for public works and commercial/residential land development and construction projects; experience managing professional and field staff; skill in preparing proposals, reports and client presentations, and the talent for interfacing with clients from the sales efforts through project execution.

Leighton offers a comprehensive flexible benefits package. Our website has additional details and program highlights.

Please email your resume to:
HR@leightongeo.com
or send to Human Resources in our
corporate office

17781 Cowan
Irvine, CA 92614

www.leightongeo.com



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
E-mail: 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
PUBLICATION ORDER FORM

Ordered By/Shipping Address:

Mail Order Form To:

NAME		AEG Southern California Section, Publications Chairperson
ADDRESS		C/O Petra Geotechnical, Inc.
CITY, STATE, ZIP		3185-A Airway Avenue Costa Mesa, California 92626
PHONE		Attention: Brian Villalobos Phone (714) 549-8921 (Inquiries only, orders must be mailed with payment)

TITLE / DESCRIPTION	PRICE	QTY	TOTAL
Baldwin, J.E. and Sitar, N., 1991, <u>Loma Prieta Earthquake: engineering geologic perspectives</u> , AEG Special Publication No. 1, 170p	\$10.00		
Bishop, K, and Tandy, 1995, <u>Ground Failure during the January 17, 1994 Northridge earthquake</u> : Association of Engineering Geologists, Southern California Section, Annual Field Trip Guidebook, November 11, 1995, 106p.	\$20.00		
Briggs, R.P. and Parke, C.D., 1990, <u>Guide to Field Trips in Pennsylvania, Ohio, and West Virginia</u> , AEG 33 rd Annual Meeting, October 1-5	\$15.00		
<u>Highway and Railroad Slope Maintenance</u> : AEG, 34 th annual meeting, September 29 th – October 4 th , 1991	\$10.00		
Leighton, F.B. <u>Mitigation of geotechnical litigation in California</u> : Munson Book Associates, Huntington Beach, California, 274p.	\$20.00		
Sieh, K.E., and Matti, J.C., 1992, <u>Earthquake geology, San Andreas fault system, Palm Springs to Palmdale</u> : AEG, 35 th Annual Meeting, Field Trip Guidebook, October 3-4, 1992	\$10.00		
Stout, M.L., ed., 1992, <u>Proceedings of the 35th annual meeting, Association of Engineering Geologists</u> , October 2-9, 1992: 740p.	\$5.00		
Tepel, R, 1995, <u>Professional Licensure for Geologists, an Exploration of Issues</u> , Association of Engineering Geologists Special Publication No. 7, 1995	\$12.00		
Cann, L.R., Cobarrubias, Hollingsworth, B., 1992, <u>Engineering Geology Field Trips Orange County, Santa Monica Mountains, and Malibu</u> : AEG 35 th Annual Meeting, Field Trip Guidebook, October 2-9, 1992	\$10.00		
<u>Los Angeles Metro Rail System Field Trip Guidebook</u> , Association of Engineering Geologists, 35 th Annual Meeting October 2-9, 1992 Long Beach, California	\$10.00		

**DELIVERY CHARGES ARE \$3.50 FOR THE FIRST BOOK,
\$1.00 FOR EACH ADDITIONAL BOOK**

SUBTOTAL	
DELIVERY	
TOTAL ORDER	

Association of Engineering Geologists

Southern California Section

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

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

Email: info@mooreandtaber.com