



ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS

SOUTHERN CALIFORNIA SECTION, SAN DIEGO CHAPTER
"Serving Professionals in Engineering, Environmental and Ground-Water Geology"

San Diego Chapter, May 2009 Newsletter

AEG MEETING NOTICE: MONDAY, MAY 11, 2009.

Our speaker(s) for Monday night's meeting will be **Donald Vaughn/Les Reed** from **Geotechnical Exploration Inc. (GEI)** who will be presenting a discussion on **"Bluff Edge and Coastal Canyon Geomorphology and Pedochronology at a Top of Sea Cliff Property, La Jolla, California"**.

Join us at Casa Machado Mexican Bar and Grill **Monday May 11, 2009**. Social Period starts at 5:30 PM; presentation is at roughly 6:00 pm. Casa Machado is located at 37501 John J. Montgomery Drive. The restaurant is located above the Montgomery Field Terminal Building. We will be ordering off the menu individually. Cost will be \$20.00 each and includes soda. A bar is available for libations.

PLEASE RSVP to Bob Stroh at rstroh@leightongeo.com by Friday May 8 please. Nevertheless, Late and last minute show ups are FINE! Please come and bring your friends too!

APRIL MEETING COMMENTS!

Our meeting at Giovanni's on April 15 had 18 members/non-members showing up for Scott Rugg's presentation on the use of CPT methods for defining fault geometry. THANK YOU TO SCOTT RUGG! Of Kleinfelder for the informative talk. Scott's talk was very interesting with a lot of discussion during and following the presentation.

The Social hour was fun too.



MINUTES/DISCUSSION

The meeting came to order at 5:30 pm and was concluded by 7:30 pm. Topics covered consisted of:

- Socializing began around 5:30 pm
- Announcements and Introductions
- National AEG Meeting in Lake Tahoe in September – Still accepting applications past the deadline
- The 2010 Geotech Engineering Earthquake Conference is being held in San Diego this year May 24th – 29th at the Mission Valley Marriott
- Newsletter content, presentations and notices



- Please feel free to email Darren Knight or Bob Stroh with submissions or recommendations for speakers and topics
- Meeting location, day, and time
Still having some fluctuation on setting permanent meeting dates and times
Feel free to discuss or provide suggestions at next meeting
- Scott Rugg gave presentation on "Definition of Fault Geometry By Use of Closely-Spaced CPT Study"
- Short discussions and socializing continued after presentation
- End of Meeting at about 7:30 pm

SPEAKER and PRESENTATION

Our speakers for the Monday night's meeting are **Donald Vaughn/Les Reed** from Geotechnical Exploration Inc. (GEI) (DVAughn@gei-sd.com) who will be presenting a discussion on the "Bluff Edge and Coastal Canyon Geomorphology and Pedochronology at a Top of Sea Cliff Property, La Jolla, California". Please see the Abstract below.

BLUFF EDGE AND COASTAL CANYON GEOMORPHOLOGY AND PEDOCHRONOLOGY AT A TOP OF SEA CLIFF PROPERTY, LA JOLLA, CALIFORNIA

REED, Leslie D., GEOTECHNICAL EXPLORATION, INC., 7420 Trade Street, San Diego, California 92121, lesreedgei@yahoo.com
VAUGHN*, Donald C., GEOTECHNICAL EXPLORATION, INC., 7420 Trade Street, San Diego, California 92121, dvaughn@gei-sd.com

Coastal bluff edge location at a hillside residential property in La Jolla, California is important with respect to its future development and bluff edge building setback requirements. The bluff edge on the approximately 80 year old property had not been established per contemporary California Coastal Commission and City of San Diego guidelines. The existing 1926 residence was constructed on soils developed on the Bay Point Formation (Qbp), an uplifted 120,000-year-old marine terrace deposit near the 100' elevation. The rear yard of the property currently descends from the building pad to a 30-foot-high sea cliff with rock-armored beach. Due to the steepness of the rear yard slope it was identified on adjacent properties as an upper bluff. To prove otherwise and avoid unjustified construction setbacks we have identified the historical location of a coastal canyon centerline (thalweg) and canyon sidewalls toward which most of the property originally drained prior to discharging over the sea cliff face. The seaward side of the canyon, which approached the coastline obliquely and crossed between the lower toe of the slope and prior sea cliff location, had been removed by coastal erosion and minor landsliding.

A pedochronological analysis of canyon sidewall soils established that the age of the soils is significantly greater than would be found on a relatively rapidly eroding coastal bluff. The rear yard slopes are in fact a coastal hillside. The residential property was developed within a coastal canyon system whose truncated canyons and ridgelines now form the sea cliffs and beaches along the south side of La Jolla Cove. The bluff edge is therefore not at the top of the descending rear yard but is located at the base of this former canyon hillside along the top edge of a very steep, approximately 30-foot-high sea cliff.



[NEXT months meeting:](#)

Digital Aerial Photography, GIS, & The Soledad Mt. Landslides

Date and Location TBD, but working for setting up the second Monday of the Month.

Speaker: Woodrow L. Higdon, GEO-TECH IMAGERY INTL.

An integrated approach to the use of GIS and digital aerial photography, current & historic, on the Soledad Mt. Landslides, and there is more than one. What you need to know to get the most out of obtaining and using digital air photos for analysis and use in the GIS world to enhance the interpretation, information, and multiple uses of aerial photographs.

PRESIDENTS COMMENTS BY BOB STROH

Remember to mark your calendar for the 2009 AEG Annual Meeting is being held September 21-29 at Harrah's Hotel and Casino in **Lake Tahoe**, get it on your calendar now.

We have received 190 Abstracts to date for AEG's 2009 Annual Meeting in Lake Tahoe. We still need 40 Abstracts to complete our Technical Program. We will continue to accept Abstracts on a first-come-first-serve basis until our program is complete.

Please email all abstracts to Heather Skladanowski at meetings@aegweb.org. If you have submitted an Abstract and have not received a confirmation email, please contact Heather to be sure it was received.

Please visit www.aegweb.org for submission guidelines and details on the 2009 Meeting.

NEWS AND NOTES FROM THE FIELD

As a reminder: The County of San Diego Site Assessment and Mitigation Monitoring Well Program (MWP) has issued recent procedural changes and clarifications pertaining to the application for geotechnical or environmental borings and monitoring wells effective April 1, 2009. The changes affect permits, fees, reporting and submittals, and notification of changes in number of borings or wells in original scope of work on an existing permit. Please contact James G. Clay, Environmental Health Specialist III, Site assessment and Mitigation Program, Department of Environmental Health at 619-338-2205 or james.clay@sdcounty.ca.gov for additional information.

AEG SILENT AUCTION: As preparations are being made for the 52nd AEG Annual Meeting, the AEG Foundation would like to invite you to participate in this year's Silent Auction. Items for the auction can range from:

Jewelry, precious minerals, photographs of wildlife, etc., wine, cheese, cigars, maps, publications, air miles, a condo in paradise, or just plain old cash...just use your imagination and think outside the box.

Any and all donations will be appreciated! This year the auction will benefit the Marliave Scholarship which honors the memory, work and contributions of Elmer C., Chester E., and Burton H. Marliave. The money that is generated from this auction will be awarded to an outstanding student on the basis of demonstrated ability, scholarship potential for contributions to the profession, character, and activities in student/professional societies, etc. Therefore, if you would like to be a part of this benefit by making a donation to the Silent Auction, please contact Donna Schmitz at donnas@ext.msstate.edu or call Donna at 662-325-1757 for further information.



ASBOG LICENSING EXAM: For those of you planning on testing this year, please review the information below.

WINTER 2009 REVIEW COURSES for the ASBOG GEOLOGY LICENSING EXAM

The Association of Environmental and Engineering Geologists (AEG) is pleased to announce the Winter 2009 series of review courses for the ASBOG geology licensing exam taught by REG REVIEW, Inc. AEG and REG REVIEW, Inc. have partnered to provide these courses since 1992. In the Winter of 2009, review courses will be offered in Portland, OR - for the Pacific Northwest region, Orlando, FL and Charlotte, NC - for the Southeast region, Baltimore (BWI), MD - for the Central East Coastal region, Manchester, NH for the Northeast region, Indianapolis, IN - for the North Central region, Kansas City, MO - for the Central Midwest region, Dallas, TX for the South Central region, Denver, CO - for the Central Western region, as well as Northern and Southern California locations in Sacramento and Santa Ana.

Course dates and locations are as follows:

Central US Courses - Winter, 2009

2009NCUS-1 - Indianapolis, IN, January 8, 2009, 8am to 4pm
2009SCUS-1 - Dallas, TX, January 9, 2009, 8am to 4pm
2009CUS-1 - Kansas City, MO, January 10, 2009, 8am to 4pm
2009CWUS-1 - Denver, CO, January 11, 2009, 8am to 4pm

West Coast Courses - Winter, 2009

2009PNW-1 - Portland, OR, January 16, 2009, 8am to 4pm
2009SC-1 - Santa Ana, CA, January 17, 2009, 8am to 5pm
2009NC-1 - Sacramento, CA, January 18, 2009, 8am to 5pm

Eastern US Courses - Winter, 2009

2009SEUS-1 - Orlando, FL, January 23, 2009, 8am to 4pm
2009SEUS-2 - Charlotte, NC, January 24, 2009, 7:30am to 3:30pm
2009CEUS-1 - Baltimore-Washington Area, January 25, 2009, 8am to 4pm
2009NEUS-1 - Manchester, NH, January 31, 2009, 8am to 4pm

We are also teaching a course for the Puerto Rico Department of Natural Resources 2009PR-1 - February, 2009, 8am to 4pm

California Courses are \$515 for AEG members, \$530 for nonmembers.

ASBOG Courses are \$445 for AEG members, \$460 for nonmembers.

Preregistration deadlines for the Winter, 2009 courses are a postmark date of December 18, 2008 for all Central U.S. and West Coast courses, January 2, 2009 for Eastern US courses, and January 16, 2009 for the Puerto Rico course.

REG Review, Inc. has been teaching these courses in California since 1985. In March 2000, we began to direct our teaching towards the ASBOG geology licensing exam. The pass rate for students in classes since then has ranged from 85 to 99%. The courses are taught by Patti Sutch, California PG 3949, CEG1641, and CHG 25, and Lisa Dirth, California PG 3951, CEG 1240, and North Carolina RG by ASBOG exam.

Current information on study manuals, flash cards, and courses, including specific locations, may be found online on REG REVIEW, Inc's website at <http://regreview.com> To contact REG REVIEW Inc.: e-mail - regreview@aol.com, mailing address - 178 Bowles Rd, Newbury, NH 03255 , telephone - East Coast call Lisa Dirth at 603-763-3272, (fax)603-763-3341. West Coast (evenings) Patti Sutch at 916-456-4870.



B2 STUDIOS

For those of you with a desire to work in the movies, please see the email below from Carrie Weiner at B2 Studios who is looking for Geologists!

Hello! My name is Carrie Weiner and I am a Casting Associate at a television production company called B2-Studios located in North Hollywood, California.

We are currently casting adults with unique and interesting jobs and/or hobbies and the children in their family who love them! One of the suggestions that was presented was the possibility of featuring a Geologist, hence my contacting you! Here are some links to a few of our previous participants to give you an idea of what we are looking for and doing:

http://b2-studios.com/cuts/Disney/What_A_Life/Firefighter_Dad.html
http://b2-studios.com/cuts/Disney/What_A_Life/Factory_Football_Mom.html

We are looking for upbeat and charismatic children between the ages of 8 and 14. The premise is to take a job that a 10 year old would say "Oh Cool!" and present a fun, up close and personal look in on how it works.

Filming is only for one day, so no need to worry about taking several days off to participate. We also try to work around your schedule the best we can. We can film anywhere but ideally would like to stay within a 150 mile radius of Los Angeles.

Thanks so much for your time and I look forward to hearing back from you!
Sincerely,

Carrie Weiner
Casting Associate
B2 Creative Studios
(818) 985-9500
Carrie@b2-studios.com

AEG AND USEFUL LOCAL LINKS

- Southern California Section AEG: <http://www.aegsc.org/>
- National AEG: <http://www.aegweb.org/>
- San Diego Association of Geologists <http://www.sandiegoengineers.org>
- American Society of Civil Engineers,
San Diego Geotechnical Group http://www.asce-sd.org/groups_geotech.asp
- San Diego State University,
Geology Department <http://www.geology.sdsu.edu>

As a service to our members, AEG San Diego welcomes job postings - either for open positions or jobs wanted. Please contact Darren Knight (dknight@stgcx.com) for information on advertising in this newsletter. The cost for an ad is \$25 per month



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