



**ASSOCIATION  
OF  
ENGINEERING GEOLOGISTS**  
Southern California Section

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

**NEWSLETTER – JUNE 2000**

**Monthly Dinner Meeting**

**Date:** Tuesday, June 13, 2000  
**Location:** El Adobe Restaurant in San Juan Capistrano, 31891 Camino Capistrano, San Juan Capistrano (Take 5 Fwy, exit Ortega Hwy)  
**Time:** 5:30 p.m. - Social Hour; 7:00 p.m. – Dinner and Presentation  
**Reservations:** Call (949) 253-5924, ext. 564 by 5:00 p.m., Friday, June 9, 2000  
**Cost:** \$25.00 per person with advance reservations, \$30.00 at the door, and \$12.00 for students w/ valid i.d. "No-shows" will be billed \$10.00.

**Speaker:** DONALD L. FIFE, Consulting Geologist

**Subject:** THE ACTIVE PERALTA HILLS FAULT, ORANGE QUADRANGLE

The orientation of this east-west trending, north dipping fold/fault structure along the southeast margin of the Los Angeles basin suggests a ramping-up of a "blind thrust" system. Much of the exposed surface trace of this left-lateral reverse/thrust fault is concordant with bedding planes in the Miocene Puente Fm. Exception occurs where the upper plate has overridden Quaternary terrace gravels and Holocene paleosoils. The Kraemer Oil Field on the "Anaheim Nose Anticline" is along the western projection of the Peralta Hills/Burrell Ridge structure, suggesting the length to be about 10km (open on both ends). To the north, similar structures have been assigned to the Elysian Park fold and blind thrust system. This is a series of en echelon east-west trending folds and faults under and along the southeast side of the L.A. basin, possibly by superseding the Norwalk-strike-slip fault. Richter assigned the 1929 Norwalk 4.9 M earthquake to the Norwalk fault. The 1989 Whittier 5.9 M earthquake is generally assigned to the Elysian Park fold and fault system. Two carbon-14 dates from under the upper thrust plate indicate that the Peralta Hills Fault (PHF) has moved on the order of 15 m in the last 3,500 years (Bryant and Fife, 1983). Buried paleosoils represent a serious aseismic expansive soil hazard where the upper plate has been thrust over the colluvium derived largely from the La Vida member of the Puente Fm.

Don Fife is a graduate of San Diego State University, earning both B.S. and M.S. degrees in Paleontology-Stratigraphy and Geology. He has over 35 years of professional experience and is currently an independent consultant.

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## CHAIR'S COLUMN

I am pleased to announce that AEG Southern California member, Dr. Bruce Clark of Leighton and Associates, Inc. has been appointed to the Seismic Safety Commission by Governor Gray Davis subject to Senate confirmation. Congratulations Bruce! A second vacancy on the Commission was filled by a San Francisco area architect, Mr. Stan Moy.

Nominations are still being accepted for officers for the section for the 2000/2001 year. All positions are open for election and if you wish to nominate someone (or volunteer) please email me at [schellbw@aol.com](mailto:schellbw@aol.com) or call/fax me at 949-653-7150. Nominations close at the end of June, ballots will be mailed with the July newsletter and results will be announced at the August dinner meeting. If you do not wish to contribute to the section as an officer, there are still plenty of opportunities available for you to get involved with the organization in areas such as field trips, short courses, publications, legislative issues etc. If you want to help out, please don't hesitate to contact me or Dave Seymour.

Cheers,  
Wendy Schell, Chairman

## USDA SEEKS CONSULTANTS FOR STREAM EROSION AND SEDIMENTATION PILOT STUDY

Gary Pischke, Chair, San Francisco Section AEG, received a request from the US Department of Agriculture to compile a list of firms and consultants who have experience in stream erosion and sedimentation processes. The USDA is putting together a pilot study to evaluate the impact of tires as sediment control, as outlined by Caltrans in a past erosion control document. Apparently, the Integrated Waste Management Board has decreed that tires in mass quantities are a hazard, and has requested removal of the tires. In many cases, particularly on dairy farms, the tires are being used as sediment and erosion control. Many farms have accumulated thousands of tires. If you could provide your company name and address to Gary via email, he will forward the information on to the USDA. A meeting of consultants and related firms will be planned sometime in the future. Please forward this request to other firms, especially ASCE members. Please send reply to [pishbert@ix.netcom.com](mailto:pishbert@ix.netcom.com).

## PART TIME ENGINEERING GEOLOGY INSTRUCTOR NEEDED

Northeastern Illinois University has an opening for a part time instructor to teach a course in Engineering Geology in the Fall, 2000 semester.

The course is an introduction to engineering geology, and is restricted to enrollment by graduate students only. Class time is not scheduled yet, but it is expected that the class will meet twice a week, in the evening, for 75 minutes each meeting. This is a lecture course--that is, it does not include a formal laboratory component. Our graduate-level classes typically enroll fewer than 10 students. Salary is \$2000.

Candidates should have a Ph.D. or M.S. in geology or earth science. To apply, send a letter of application (including a statement of teaching interests) and a resume to me at the address below. The names and addresses of three references should be included, at least one of whom can comment on the candidate's teaching experience. In addition, copies of teaching evaluations would be helpful to us in making our decision.

Applications will be considered as they are received and will continue to be considered until the position is filled.

Northeastern Illinois University is a metropolitan, comprehensive state-supported commuter university located on the northwest side of Chicago. The university awards bachelor's and master's degrees in Earth Science and enrolls approximately 10,000 graduate and undergraduate students from diverse backgrounds. Northeastern is an EO/AA employer and welcomes applications from women, minorities, and people with disabilities.

For more information, please contact:  
Laura L. Sanders, Ph.D., Professor and Department Coordinator  
Department of Earth Science  
Northeastern Illinois University  
5500 North Saint Louis Avenue  
Chicago, Illinois 60625  
[www.neiu.edu/~deptesci/welcome.htm](http://www.neiu.edu/~deptesci/welcome.htm)

## JOB OPENINGS AT CALIFORNIA DTSC

The State of California, Department of Toxic Substances Control (DTSC), is examining & hiring Public Participation Specialists (Community Relations), Geologists (Range A-C, Technical Seniors and 1st line Supervisors), Engineers, Industrial Hygienist, Environmental Sciences. Excellent benefits and competitive salaries. Contact: Sacramento (916) 322-2480, Los Angeles (714) 484-5335, or email: [tmelende@dtsc.ca.gov](mailto:tmelende@dtsc.ca.gov) or mail: P.O. Box 806, 400 P Street, Room 4490, Sacramento, CA 95812-0806. The FINAL filing date for the Technical Senior and 1st line supervisor (Sup I) for geologists is targeted to be July 7, 2000. All other classes have continuous filing. DTSC is

looking for senior level geologists with skills/knowledge in GIS, modeling, geophysics, bioremediation, and faulting/seismic ground motion evaluations. DTSC provides opportunities for training/professional growth. Please visit their web page at [www.dtsc.ca.gov](http://www.dtsc.ca.gov) for information about DTSC.

### **SENATE PASSES BILL TO EXTEND BOARD OF GEOLOGY-** Message from Betsy Mathieson

On May 24 the California Senate passed Senate Bill 2028, which would extend the life of the Board of Geology, on a 38-0 vote. The bill is now being considered by the State Assembly.

The California Council of Geoscience Organizations has supported this legislative action through letters, visits to legislators and their aides, and testimony at public hearings.

The full text of the bill is available at <http://www.leginfo.ca.gov>. The following background information is from the Senate Floor Analysis of SB2028:

JLSRC (Joint Legislative Sunset Review Committee) and DCA (Department of Consumer Affairs) Review of the Board for Geologists and Geophysicists:

The Board of Registration for Geologists and Geophysicists (BRGG) was first reviewed by the JLSRC four years ago (1995-96). The JLSRC and DCA identified a number of issues and problem areas concerning this board. For example, the JLSRC noted that BRGG had never adopted any code of ethics for the profession, had a very low pass rate on its state-only examination for geologists, and because it is a state required examination, there was no comity or reciprocity for out-of-state geologists or geophysicists. In addition, the JLSRC made several findings with regard to the operation of the board, and found it deficient in a number of areas.

The JLSRC and the DCA reached the conclusion that components of the current regulatory program did not appear to provide protections to the consumer and preclude consumer harm. Because of these findings, the JLSRC and the DCA recommended to reconstitute the BRGG with new board members and change its composition, and recommended a number of other changes the BRGG should make to its licensing and enforcement programs.

In November 1999, the BRGG was reviewed once again. It was found that the board had made vast improvements since its last review, and addressed and implemented almost all of the prior issues and recommendations raised by the JLSRC

and the DCA. Because of these actions taken by the board, both the DCA and the JLSRC recommended continuation of the BRGG. There are still some minor issues and problem areas for the BRGG to deal with prior to their next review. They are reflected in the current recommendations of the JLSRC and the DCA (including a request to reduce the experience requirement for registration -- BLM) Although no future sunset date and review was specified, it is the intent of the Legislature that another review occurs within four years unless otherwise specified. Based on the sunset dates specified in the bill, another review will occur by November 2003.

### **A MESSAGE FROM YOUR NEWSLETTER EDITOR**

Southern California AEG members:

I have received several phone calls, mails, and e-mails from members who have moved and asked that their newsletters be sent to their new addresses. Since I get updated members' list and addresses from our secretary Doug Santo, it is important that you contact him directly to make sure he updates your addresses before mailing of newsletter.

Starting next month, we will begin to e-mail newsletters to members who provide their e-mail addresses. Doing so would reduce our operating expenses and the time it takes for you to receive the newsletter. As you can see, there are significant advantages to e-mail newsletters to you. For those of you who prefers to have the newsletter mailed, it will continue to be mailed to you. If you wish to have your newsletter e-mailed, please provide your e-mail addresses to me or better yet to Doug Santo so that your e-mail address can be included in our database.

Doug's and my e-mail addresses can be found within this newsletter on page 4.

From time to time, I receive e-mails from people who wish to have certain information published in the newsletter. Often files would be attached to these e-mails. Sometimes I receive files which cannot be read. I appreciate files which are compatible with Word 2000 as this is the software program which I use to edit and prepare the newsletter.

I often receive last minute requests to publish certain important news. Since I try to mail out the newsletter no later than the Wednesday before our monthly Tuesday meeting (unless I am sick which occasionally happens) so that members would receive the newsletter in time to learn about the topic and speaker for the next meeting. It is important that I receive the news for publication by Monday evening. Thanks in advance for your cooperation.



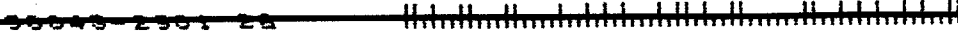


*Association of Engineering Geologists*  
*Southern California Section*



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