



# SAN FRANCISCO SECTION NEWSLETTER



## Meeting Details:

- **WEDNESDAY, November 12<sup>th</sup>**
- Spenger's, Berkeley
- 6:00pm – Cocktail Hour
- 7:00pm – Dinner
- 8:00pm – Speaker
- \$30 members, \$15 students

**Reservations Due By NOON,  
THURSDAY NOVEMBER 6<sup>th</sup>!**

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Corinne Stewart  
Pacific Geotechnical  
408-778-2818  
chair@aegsf.org

### Vice-Chair

Patrick Drumm  
Earth Focus Geological Services  
510-794-7495  
vice-chair@aegsf.org

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Chris Hundemer  
Upp Geotechnology, Inc.  
408-866-5436  
treasurer@aegsf.org

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Janine Weber Band  
EnviroVision, Inc.  
415-203-2596  
secretary@aegsf.org

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membership\_chair@aegsf.org

### Short Course Chair

Ernest Solomon  
650-948-3528  
shortcourse\_chair@aegsf.org

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Sanders & Associates  
(916) 729-8050  
fieldtrip\_chair@aegsf.org

### CCGO Liaison

Jason Preece  
Camp, Dresser, & McKee, Inc.  
ccgo@aegsf.org

## NOVEMBER 2003 PROGRAM - JOINT MEETING WITH ASCE

Lloyd S. Cluff, Pacific Gas and Electric

### **...AND NOT A DROP OF OIL WAS SPILLED**

The  $M_w$  7.9 Denali fault earthquake was released by 340 km of rupture along the predominately strike-slip fault on November 3, 2002. The Trans-Alaskan Pipeline (TAPS) was innovatively designed to accommodate 20 feet of horizontal and 5 feet of vertical fault slip based on fault displacement design criteria developed by a team of earthquake geologists led by Lloyd S. Cluff 30 years ago. The surface rupture on November 3, 2002, at the TAPS Denali fault crossing was 18 feet horizontal and 3.5 feet vertical. It is rare that we have the opportunity to have our structures tested to the maximum design event during their design life and to observe them perform as spectacularly as did the TAPS last November. Lloyd Cluff, the former Chair of the San Francisco Section of AEG, will tell the story of this phenomenal earthquake performance and how the pipeline came to be designed to accommodate surface faulting and associated rupture-directivity induced strong shaking without serious damage.

### Speaker Biography

Lloyd Cluff is Director of Pacific Gas and Electric's (PG&E) Geosciences Department and is responsible for PG&E's Earthquake Risk Management Program. Prior to joining PG&E in 1985, he was Principal Geologist, Vice President, and Director of Woodward-Clyde Consultants in San Francisco. For 25 years he led a distinguished team of geoscientists and earthquake engineers serving clients evaluating earthquake hazards and assessing seismic safety of major critical facilities worldwide. Lloyd was a Visiting Associate Professor of Geology and Geophysics at the University of Nevada at Reno from 1967 to 1973. He served as the Utilities Commissioner on the California Seismic Safety Commission for almost 15 years; two terms as chairman (1988 to 1990 and 1997 to 1999). Lloyd served as president of the Association of Engineering Geologists, president of the Seismological Society of America, and president of the Earthquake Engineering Research Institute. A few of his many professional honors include: chairman of the Scientific Earthquake Studies Advisory Committee, appointed in 2002 by the Secretary of Interior; won the John Wesley Powell Medal (2000), the highest citizens award from the Department of Interior for his influence in improving seismic safety; awarded the Alfred E. Alquist Medal (1998) for his achievements in improving California's seismic safety; elected Fellow (1992) in the California Academy of Sciences; and elected a Member in the National Academy of Engineering (1978).

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legislative\_chair@aegsf.org

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Harding ESE  
publications\_chair@aegsf.org

Awards Chair  
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Camp, Dresser, & McKee, Inc.  
past\_chair@aegsf.org

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Robert Urban  
lavapoet@sbcglobal.net

Newsletter Editor  
Maile Smith  
Weiss Associates  
newsletter\_editor@aegsf.org

Webmaster  
Craig Reid  
Upp Geotechnology  
webmaster@aegsf.org

The AEG San Francisco Section Newsletter is a monthly publication of the San Francisco Section of the AEG.

For more information, visit [www.aegsf.org](http://www.aegsf.org).

### Submittals:

Deadline is the 20th of each month for the following issue. Contact Maile Smith by email ([newsletter\\_editor@aegsf.org](mailto:newsletter_editor@aegsf.org)) for submittal. All submittals are subject to editing for space considerations. Employment notices are free if brief.

### Address changes:

Please submit to Section Secretary, Lisa Gentry ([secretary@aegsf.org](mailto:secretary@aegsf.org)).

### Advertisements:

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## CHAIR'S MESSAGE

The two months since our last Section meeting have flown by. The annual meeting in Vail was great. About 440 people were in attendance. It was a wonderful opportunity to meet new AEG members and catch up with AEG members that I haven't seen in a while. The hotel was lovely and the service was great. All of the meals and activities were enjoyable. The 2-hour drive from the Denver airport was a great opportunity to catch a glimpse of the beautiful Colorado Mountains. For those of us who attended theme night, we got a great view of the mountains from a gondola that took us to the top of a mountain for dinner. For an extra treat, it actually snowed during dinner (I heard there was even some minor snowball tossing).

The technical sessions and symposia were excellent. Most people were really finding it difficult to decide which talks to attend; there were so many great talks to choose from! The other Section Chairs and I were disappointed that we had a Board of Director's (BOD) workshop on Friday and missed even more great talks. I didn't attend any short courses or field trips, but I heard wonderful reviews from people who did. Hats off to meeting Chair Michael Hattel, Julie Keaton, and the rest of the planning committee for putting on a truly enjoyable and successful annual meeting.

The purpose of the BOD workshop was to begin developing new mission, vision, and values statements for the Association. We had the guidance of an outside facilitator. At the end of a very busy day, we had a general outline and many strong ideas for our new statements. During the BOD meeting, a committee was selected to refine and wordsmith the statements. I volunteered to be part of the committee and spent the next several weeks communicating by email with the rest of the committee members. At the end of October, we will submit the statements to the editor of AEG News so that all of the AEG members will have an opportunity to comment on the statements before they are adopted by the Association.

There was a lot to cover during the BOD meeting. Overall, the Association is doing well. Last year we were in financial trouble, this year, we are in the black. The Association headquarters moved twice last year – first to NEHA in Denver and then to our own office in Denver. Becky Roland left NEHA to become our Chief Office Executive. We will begin electronic publishing of Environmental and Engineering Geoscience this year. The first annual Shlemon conference will be held next April in El Paso, Texas; the topic will be earth fissures.

If you haven't renewed your membership yet (the deadline was October 1<sup>st</sup>), please do so. If you need any assistance, check out the web page ([aegweb.org](http://aegweb.org)) or email Becky Roland ([broland@aegweb.org](mailto:broland@aegweb.org)). You must renew by December 1<sup>st</sup> in order for your name to appear in the annual directory (however, if you miss the deadline, your information will be available in the online directory). If you have any questions, comments, or concerns about being a member of AEG or the San Francisco Section, please do not hesitate to contact me ([chair@aegsf.org](mailto:chair@aegsf.org)).

We already have speakers lined up through the beginning of next year. If you would like to present a talk at a meeting or would like to sponsor a meeting (for a mere \$75), please contact me or Vice Chair, Pat Drumm. This month is our annual joint meeting with the geotechnical branch of the San Francisco section of ASCE. Please join us at Spenger's for dinner and to hear Lloyd Cluff's talk on the performance of the Trans-Alaskan Pipeline during the 2002 Denali fault earthquake (see the abstract and biography on the front page). We are expecting higher than usual attendance for this meeting, so please make your reservations early.

Thank you all for being part of the San Francisco Section of AEG.

*Corinne*

Chair, AEG San Francisco Section

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**2003 – 2004 SECTION OFFICER ELECTION RESULTS ARE IN...  
DETAILS ON PAGE 6**

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## NOVEMBER SECTION MEETING DETAILS

The November Section Meeting will be held at Spenger's Fresh Fish Grotto at 1919 Fourth Street in Berkeley, California (phone: 510-845-7771). The meeting will take place in the Pacific Room, which is accessed through a separate entrance to the left of the main entrance to the restaurant.

### Parking

Parking is available on the street, or in the lot across the street from the restaurant.

### Directions

From 80 West (driving towards the Bay Bridge) - Take the University Avenue exit at the Berkeley Marina. Turn right at University, driving east. Turn left at 6<sup>th</sup> Street. Turn left at Hearst (1 block). Turn left at 4<sup>th</sup> Street.

From 80 East (driving towards Sacramento) - Take the University Avenue exit. Follow the signs for Frontage Road (stay to the right). Turn right at Hearst. Turn right at 4<sup>th</sup> Street.

**Reservations must be faxed to Chris Hundemer by noon on Thursday, November 6<sup>th</sup>.**

See the back cover of the newsletter for the RSVP form.

***No Shows and Late Cancellations Will Be Charged!***

## SPONSORSHIP

**Sponsor a Section Meeting or become a Section Corporate Sponsor!** Show support for an individual presentation or a specific meeting, or donate to the Section and receive free advertisement each month, recognition at Section Meetings, and more!

Contact Corinne Stewart at [chair@aegsf.org](mailto:chair@aegsf.org) for more information on sponsorship.

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## SEPTEMBER MEETING NOTES

Ed Medley and John Burton spoke to us about ignorance and arrogance. Ed said that some perceived benefits are superior education, your work is correct, you do not attend professional courses, you do not need to confirm and conferee with others, you have all the knowledge or right, and have never failed so never will. The eventual rewards are large mistakes, you alienate colleagues, always assume others are wrong, and you will fail.

Some of his antidotes are simple mantras: Nothing is simple; Nothing is what it seems to be; in the fullness of time; age happens; I know what I (and you) don't know; so what, who cares; communicate, communicate, communicate.

Structural geologists/geotechs and homeowners do not communicate well. You need to realize that the seed of failures often is between the ground and the foundation, and need to be able to communicate that well. Understand the issues, chant mantras, be humble and admit ignorance, and communicate with others. Imagine that you are solving the puzzle. Rather than letting the pieces allow to tell the story, we often try to make the pieces fit a preconception. Recognize that you don't have the whole story, and that the story may not be what was expected.

*Case History 1: The ignorance of straight lines and the arrogance of computer software.* Simple characteristics of chaotic geology through drilling. Borings read between the lines. When we do exploration borings and find layers of material and interpolate between borings. What we do is drill 5 feet into bedrock, but may actually drill into blocks of material and assume it is the contact. Simple site characterizations of not so simple geology. We need site characterizations for computer programs sometimes drives incorrect conclusions just to get the information for the software.

*Case History 2: Underground parking with existing buildings near by.* 59 borings were done and local history was checked. Cross-sections were drawn between borings through the site, showing fill, disintegrated rock, soft and tonalite hard rock. The tonalite is a plutonic, granitoid rock that can weather to soil in the weathered rock layer that can have corestones, blocks and wedges of the rock. The contractor installed shoring and tie back walls, the contractor was doing the design and building, and prepared his own interpretation. He was building the foundation walls with soldier piles in some areas and lagging with a combo of drilled piers and piles into bedrock. The piles were driven only into the disintegrated rock, with the contractor assuming it to be solid material. Multiple levels of tiebacks were installed at steep vertical angles, because of utilities for near by buildings. It was assume decomposed soil acts like bedrock down to rock, assume no wall friction, by an engineer. When the final level of the excavation was removed, soldier piles began to have vertical movement, the toe below the soldier pile moved, tiebacks loosen and failure began to occur while the horizontal stresses lessened. Probing showed that a number of piles were installed about 10 feet short of the hard rock it was intended for. The contractor had made the wrong assumptions, but the engineers had not helped to correct the situation.

*Case 3: The original Monterey Bay Aquarium.* The foundations were heavy loaded with big tanks full of water with granite rock below with a 100 ksf endbearing value. The original process was a success, so when

Phase 2 began some years later, many of the complexities were forgotten and the previous engineers were hired, plus it was built near the original site, and planned to minimize the contingency. Borings were drilled about 50 feet apart behind the seawall with the holes to hard rock and preconceived bedrock depths. First pier was 22 feet, where expected,. The second was 50 feet, the third was at 80 feet, when both were expected shallower. A huge joint was missed between borings, making some piers 2.5 times longer than expected. Always expect surprises, since they are the limits to what you know. Strive for appropriate protection for the unknown. Communicate about the uncertainties. Since owners have selective memories about things that have happened in the past.

*Case 4: Simple conclusion reached upon finding asphalt at depth is everything above is fill, not necessarily the truth.* Cracks appeared in building and slab and broke windows over night, in an apartment complex. An engineer assumed there was an ancient buried valley under this site. The surface PI range was 21 to 34, 21 borings were done with no soft soil, only very dense and hard. No evidence was found for the assumed buried valley, but pottery and asphaltic concrete was found at 25 feet in one backhoe exploration pit. The interpretation was loose fill so building need to be pressure grouted to 25 feet. The "pottery" was actually siltstone, and pedogenic calcite was found (11K years to produce in natural soil) near it. They had planted trees that love water near the building, and they have been sucking moisture from under the slab for years and removing the expansion of the soil, since it was really expansive soil. The asphalt had actually come from an asphaltic sidewalk near the edge of the trench where the bucket was straining to get to the 25-foot depth.

Simplicity is not a substitute for good scientific analysis, beware the "judgment", ponder the provenance of maverick asphalt. Some basic lessons learned are gather all the facts and don't throw any out, know what you don't know, keep your mind open that your original hypothesis is wrong, know something about colleagues work, when in doubt talk to someone else or go to school, don't throw out intuit feelings of a problem, be really careful about reading between straight lines.

Lisa Gentry  
2002-2003 Secretary, AEG San Francisco Section

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### **SCVWD WELL STANDARDS REVISED**

The Santa Clara Valley Water District is revising their well construction and destruction standards. Contact Seena Hoose for details.

### **MEMBER UPDATES AND OTHER NEWS**

**It's that time of the year...**

*We currently have 123 members who have not renewed!*

But fret not, there is still time to renew your AEG membership and be listed in the AEG Membership Directory, although time is running out! AEG must receive your renewal by November 10<sup>th</sup> in order to be included in the Directory.

It is now easier than ever to renew. You can renew online at [www.aegweb.org](http://www.aegweb.org) by logging onto the member-only page using your member ID and password. You can then access and verify your contact information and renew with any major credit card.

You can also renew via phone, by calling 303-757-2926 and asking for Becky, or you can fax your credit card and renewal form that was mailed to you in July to 303-757-2969.

Finally, you can mail your payment for \$105.00 for Regular membership and \$30.00 for the San Francisco section to AEG, PO Box 460518, Denver, Colorado, 80246.

If you need any further information, or need any additional assistance, please contact Becky Roland at 303-757-2926 or e-mail [broland@aegweb.org](mailto:broland@aegweb.org).

### **RECENT LEGISLATION REGARDING GEOLOGIST /GEOPHYSICIST REGISTRATION**

Recent legislation signed by Governor Davis changes the experience requirements for admittance into the Board's licensing examinations. Senate Bill 1079 (Figueroa) reduces the experience requirements for an applicant working under the responsible charge of an appropriately licensed individual to three years with a Bachelor's degree in Geology and to two years with a Master's or Ph.D. in Geology (more information at [http://www.leginfo.ca.gov/pub/bill/sen/sb\\_1051-1100/sb\\_1079\\_bill\\_20030905\\_chaptered.pdf](http://www.leginfo.ca.gov/pub/bill/sen/sb_1051-1100/sb_1079_bill_20030905_chaptered.pdf)).

Senate Bill 363 (Figueroa) increases the fees for renewal licenses for the Board's four licenses

(Registered Geologist, Registered Geophysicist, Certified Engineering Geologist, and Certified Hydrogeologist). The biennial fee for the RG and RGP will go from \$200 to \$400, and for the specialty licenses it will go from \$50 to \$100 for a two-year license. The fee increase will require promulgating new regulations (more information at [http://www.leginfo.ca.gov/pub/bill/sen/sb\\_0351-0400/sb\\_363\\_bill\\_20031012\\_chaptered.pdf](http://www.leginfo.ca.gov/pub/bill/sen/sb_0351-0400/sb_363_bill_20031012_chaptered.pdf)).

Both bills become effective on January 1, 2004.

(information provided by [http://www.geology.ca.gov/hot\\_topics/bill1079\\_363.htm](http://www.geology.ca.gov/hot_topics/bill1079_363.htm))

**Thank You to the Corporate Sponsors of  
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**Applied Geomechanics – Santa Cruz**

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#### **CCGO Updates**

The California Council of Geoscience Organizations (CCGO) e-mails monthly progress reports to CCGO members on record, as well as others who want to stay informed of their activities. The latest report is posted at [www.ccco.org](http://www.ccco.org).

The CCGO advocates the use of sound geologic knowledge and practice by proposing, reviewing, and monitoring statutes, regulations, and public policies.

Please contact Executive Director Jane Gill ([JaneHGill@aol.com](mailto:JaneHGill@aol.com)) to be added to their mailing list.

#### **Melange Guidebook and Handouts Available**

Did you enjoy John Wakabayashi's presentation on melanges at the July AEG SF meeting? Did you lie awake that night wondering if the stratified rock or soil with boulders you described in your last report was actually a melange? Do you feel as if you're falling behind the standard of practice? Improve your understanding of melanges by adding these two AEG SF Section publications to your library!

*Tunnels Through Fault Rocks and Tectonic Melanges: A Short Course for Engineering Geologists and Geotechnical Engineers*

- Field Trip Guidebook, May 31, 2002
- Lecture Handouts and Reprints of Selected Papers (includes CD with Gunter Riedmuller's and Wulf Schubert's presentation), June 1, 2002

The field trip guidebook and lecture handout binder are available for \$50.00 each. Contact Betsy Mathieson ([emathieson@exponent.com](mailto:emathieson@exponent.com)) or AEG SF Publications Chair, Bill Godwin ([publications\\_chair@aegsf.org](mailto:publications_chair@aegsf.org)).

#### **SF GIANTS GAME**

*The following review is provided by SF Section member and correspondent at-large John Wakabayashi, who wisely took advantage of specially priced Giants tickets offered to AEG members.*

I ended up buying a pair of tickets, and went to the game with Ron Rubin, fellow AEGer. It was pretty hot in Hayward when I left and I wondered whether the three extra layers of clothes I packed were really going to be necessary. After all, this is not the Ballpark Formerly Known as 3Com Formerly Known as Candlestick. As many AEGers would no doubt guess, we arranged to meet an hour before the game at the 21<sup>st</sup> Amendment, arguably San Francisco's finest brewpub, which is located on 2<sup>nd</sup> Street about a block from the ballpark. After reaching 21<sup>st</sup> Amendment, I was happy to see that (1) it wasn't so packed to make reaching the bar difficult, and (2) it was easy to find Ron. We both enjoyed pints of 21<sup>st</sup> Amendment's IPA, which is one of the west coast's finest IPAs. If you like it super hoppy and bitter, this is a treat, and should not be missed. The 21<sup>st</sup> Amendment DOUBLE IPA was also available, and I found this formidable brew in fine shape indeed. Giants fans who love extra high quality beer should not pass up a chance to visit the 21<sup>st</sup> Amendment.

After some truly fine brew, we then walked over to the ballpark and climbed up to our seats. These View Section seats bear out what is often said about PacBell park: that there is not a bad seat in the house. Our seats were situated high above the right field line and gave a great view of the field, McCovey Cove, the Bay, and the sky scrapers of downtown San Francisco that peeked over stands that overlook the left field line. The game was a good one, too, a tight 2-1 game won by the Giants.

I won't belabor too many of the details, as they were written up in various sports pages, but here are a few recollections:

A rookie Kevin Correia, making just his third major league start, pitched a very strong six innings. Barry Bonds, in his first at bat, rifled a shot off the top of the left centerfield wall for a double. He ended up scoring the Giants first run. Jose Cruz Jr. continued to make superb plays in right field. In my 30-some-odd years of following the Giants, I think Cruz is the best defensive right fielder I've seen play for them. Pedro Feliz had what ended being the game winning hit when he homered to left, kindling memories of much earlier in the season when he went through a hot streak. The Giants bullpen pitched flawlessly, and Tim Worrell had an absolutely-no-drama 1-2-3 ninth for the save. The low clouds crept ever closer as the evening wore on, and I progressively added layers until I was wearing everything I brought. That turned out just right.

Many thanks to AEG and the Giants for a great evening.

Cheers,  
John

## UPCOMING AEG-SF MEETINGS

The December Section meeting presentation will be provided by William Cole and Philip Johnson of Cotton, Shires and Associates. The presentation title is "The Use of Large-Diameter Boreholes and Downhole Logging Methods in Landslide Investigations".

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## OTHER MEETING ANNOUNCEMENTS

### San Francisco Bay Area Tunnel Construction Forum, November 6<sup>th</sup>, Biltmore Hotel, Santa Clara

This forum, sponsored by the American Underground Construction Association (AUA), will examine various phases of the construction process, from the planning and environmental process through design and construction, with case history examples from California, as well as a nationwide industry perspective. Topics discussed will be pertinent to those involved in planning, design, or construction management for rail transit, highway, wastewater, and water supply, and anyone who wishes to learn more about the important aspects of tunnel construction.

The cost is \$200 (\$175 for AUA members). For more information or to register, visit <http://www.auca.org/conferences/index.html>.

### NCGS Section Meeting, Wednesday November 19<sup>th</sup>

Dr. John Williams, San Jose State University, will present "Engineering Geology Provides Clues to Living Safely in the Geologically Dynamic San Francisco Bay Area", at 7:00 pm at the Orinda Masonic Center.

### AEG Annual Meeting

Plan to attend the 2004 AEG Annual Meeting "at the Core of the Shores!" in Dearborn, Michigan, September 25<sup>th</sup> through October 3<sup>rd</sup>!

For more information on the annual meeting, visit [www.aegweb.org](http://www.aegweb.org).  
San Francisco

## SF SECTION OFFICER ELECTION RESULTS

The recommended slate of officers won the offices they sought in this year's AEG SF Section elections. 20 ballots in all were received, which indicates a remarkable renewed interest in the Section's governmental affairs.

The winner of the Vice Chair position for the 2003-2004 year is Patrick Drumm who works at Earth Focus Geological Services, Inc. in Fremont.

The office of Treasurer goes to Chris Hundemer who works at Upp Geotechnology in San Jose.

Janine Weber Band, who recent became the president of EnviroVision, Inc., won the office of Secretary.

The only write-in was Jim Springer for Secretary (there's a joker in every crowd). I guess, Jim, you'll have to step up to the bat next year.

A hearty congratulations to all the new Section officers! Enjoy you terms under Corinne's great leadership.

Jason Preece

Past Chair, AEG San Francisco Section



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## FIELD TRIPS

**Seismic Hazard of the Range Front Thrust Faults, Northeastern Santa Cruz Mountains/Southwestern Santa Clara Valley, Spring 2004** (exact date to be determined). We are planning a field trip to observe a series of thrust faults mapped between the San Andreas fault and the northeastern topographic range front of the Santa Cruz Mountains. The faults are collectively referred to as the Foothills Thrust System or the Peninsula Fold and Thrust Belt. Individual faults to be discussed include the Sargent, Berrocal, Shannon, Monte Vista, Stanford, and Serra faults. Preliminary field trip co-leaders include Bob McLaughlin, John Wakabayashi, Christopher Hitchcock, Ted Sayre, Reid Fisher, Steve Connelly, Ron Rubin, Glenn Borchardt, and Drew Kennedy. A primary objective of the field trip is to compile fault data for the Foothills Thrust System within a field trip guidebook readily available on the internet. Please contact Drew Kennedy at (916) 729-8050 should you wish to be a field trip co-leader, or have relevant fault data to be included in the guidebook. Field trip details will be announced in an upcoming newsletter.


**Miocene Volcanic Rocks at Burdell Mountain and Implications for Slip along the East Bay Fault System, November 22, 2003**, Northern California Geological Society (NCGS) field trip led by Eric Ford, San Francisco State University Masters Student. Burdell Mountain, located 50 km north of San Francisco, California, consists of Cretaceous and Jurassic Franciscan Complex and Great Valley Sequence rocks

overlain by 65 m of Tertiary marine sandstone, and 200 m of Miocene Burdell Mountain volcanics (BMV). The age and petrology of the volcanics and stratigraphic relations of the Burdell Mountain area are important to ongoing studies of long-term right-lateral displacement along the East Bay portion of the San Andreas fault system. Few studies have focused on the BMFZ, a complex, northwest-striking, 500 m-wide, subvertical, shear zone characterized by local hydrothermal alteration and silicification. Youthful tectonic geomorphic features along the (unzoned) fault suggest late Holocene movement. Future efforts will focus on locating a trench site suitable for providing information on the age of faulting.

The cost is \$30 for NCGS members and \$35 for non-members (discount available for students and adolescents), which includes transportation, refreshments, lunch, and field guide. Reservation deadline is November 18<sup>th</sup>. For more information, contact Jean Moran (NCGS field trip coordinator) at [jeanm@stetsonengineers.com](mailto:jeanm@stetsonengineers.com).

For Field Trip information and submittals, please contact:  
Drew Kennedy  
Field Trip Chair, AEG San Francisco Section

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831 465 9479  
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### **NCGS SCHOLARSHIPS AVAILABLE**

The Northern California Geological Society announces the availability of two scholarship awards for the 2003-2004 academic year.

An Undergraduate Scholarship Award of \$500 is available to candidates working toward completion of a senior thesis or honors research program. Funding is provided for projects implemented during the 2004 calendar year. The application deadline is November 7, 2003 for a December 7, 2003 award date.

A Graduate Scholarship Award of \$1,000 is available to candidates working toward the MS or PhD degree. Funding is provided for projects implemented during the

2004 calendar year. Application deadline is January 31, 2004 for a March 31, 2004 award date.

More information and applications can be requested from Randy E. Kirby, Chair, NCGS Scholarship Committee, 67 Brookwood Road, Unit 20, Orinda, California, 94563, 925-288-2344, [rkirby.geosci@usa.net](mailto:rkirby.geosci@usa.net).

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### **EMPLOYMENT NOTICES**

The Board for Geologists and Geophysicists (Board) will have an opening for a position on the Enforcement Oversight Committee (EOC) at the end of this fiscal year (June 30, 2004). The term for this position is two years, with a maximum of three terms. The purpose of the EOC is to continually seek ways to improve the Board's enforcement activities and to review closed cases to assist in identifying trends in enforcement activities or situations where enforcement procedures might be improved. Meetings are held in Sacramento two or three times per year or as work requires.

Applications for this position should include a curriculum vitae, a Statement of Qualifications and a cover letter. The Board will make their selection at its meeting on December 5, 2003. Possession of one or more of the licenses issued by the Board is mandatory, as is the ability to maintain confidentiality.

This is a volunteer position with the Board. Appropriate expenses will be paid by the Board for the completion of EOC assignments, including travel to and from Sacramento. There is no salary or per diem for this position. The deadline for submittal of applications is Friday, November 21, 2003. They can be sent to the Board at the address on this website. Electronic applications are acceptable.

Maile Smith  
c/o Weiss Associates  
350 East Middlefield Road  
Mountain View, California 94043

**AEG San Francisco Section – November Newsletter  
Monthly Section Meeting – Wednesday, November 12th  
Spenger’s Fresh Fish Grotto, Berkeley**

***CHECK OUT THE AEG SF SECTION WEBSITE AT [WWW.AEGSF.ORG](http://WWW.AEGSF.ORG)!***

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**RESERVATION FORM**

AEG SF Dinner Meeting – November 12, 2003 – 6pm  
Spenger’s Fresh Fish Grotto, Berkeley

**Reservation Deadline: 12:00 PM, THURSDAY NOVEMBER 6<sup>th</sup>**

Fax Reservation Form to Chris Hundemer, c/o Upp Geotechnology (408-866-9436)  
Do not mail or fax payment – Check or Cash at the door – Make checks payable to AEG SF SECTION

Dinner and Meeting Cost: \$30 – members or spouses    \$15 – student members    \$35 – others

**No shows and late cancellations will be charged**

NAME \_\_\_\_\_ COMPANY \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ NO. OF PEOPLE \_\_\_\_\_

PLEASE CHOOSE AN ENTREE’:                      Chicken                                      Fish                                      Vegetarian

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**PERMANENT RESERVATION FORM**

AEG San Francisco Section monthly dinner meetings are typically the 2<sup>nd</sup> Tuesday of each month.  
I will attend and make payment for each meeting. If I am unable to attend, I agree to fax or mail a cancellation notice to  
Chris Hundemer (fax: 408-866-9436) by NOON the Friday before the meeting or I will be charged for the meeting.

NAME \_\_\_\_\_ COMPANY \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ NO. OF PEOPLE \_\_\_\_\_

BILLING ADDRESS \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ ENTRÉE \_\_\_\_\_