



# SAN FRANCISCO SECTION NEWSLETTER



## Meeting Details:

- **Thursday, May 12<sup>th</sup>**
- Scott's Seafood, Oakland
- 6:00pm – Cocktail Hour
- 7:00pm – Dinner
- 8:00pm – Speaker
- \$35 reserved, \$15 students, \$40 walk-ins

**Reservations Due By NOON, MONDAY, May 9<sup>th</sup>!**

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## MAY 2005 PROGRAM – CCGO FUNDRAISER

Dr. Joyce Blueford, Math Science Nucleus

### ***EARTHQUAKE HISTORY PRESERVED IN TYSON LAGOON: A NEW ENVIRONMENTAL WETLAND CENTER THAT HAPPENS TO BE RIGHT ON THE HAYWARD FAULT***

Tyson Lagoon has been a site of fresh water for at least the last 3,700 years. This sag pond outlines the trace of the Hayward fault zone in this area. Observations of brittle deformation and liquefaction features in trenches just north of this area indicate there may have been 6-8 large earthquakes during the last 2,000 years. Lienkaemper, et al, with new data concluded that since late 1300's there were probably four large earthquakes (of magnitude 6.8-7.0). In trenches in the South Pond they found evidence of the 1868 earthquake. The earthquake destroyed most of the Mission Adobe structure and devastated the homes of many of the residents. Using detailed stratigraphy and carbon dating they arrived at dates of 1730, 1630, and 1470 ( $\pm 90$  years) for the other earthquake occurrences. The Tule Ponds at Tyson Lagoon Wetland Center under the guidance of the Math Science Nucleus and Alameda County Flood Control and Conservation District, has opened this 14-acre facility to celebrate not only its rich geologic past but to act as a facility that shows how urban life can coexist with nature areas. Timing of the Hayward fault is also being investigated by looking at the timing of the Irvingtonian (Pleistocene) fossils that mark the boundary along Sabercat Creek in Fremont. This talk will focus on the development of Tyson Lagoon at Tule Ponds, the Hayward Fault, the Ice Age fossils, and how geologist and geologic engineers are needed to protect our geologic history during urbanization. More information on the Tyson Lagoon site and others in the east bay can be found at: <http://msnucleus.org/watersheds/index.html>.

### **Author Biography**

Dr. Joyce Blueford received her undergraduate degree from U.C. Berkeley and Ph.D. from U.C. Santa Cruz. She worked 14 years at U.S. Geological Survey in Menlo Park. She founded and is President of the Math Science Nucleus (<http://msnucleus.org/>), a non-profit science research and education organization. As a geologist, Dr. Joyce Blueford has distinguished herself in the field of radiolarian micropaleontology and sedimentology in California, Alaska, the Russian Far East, and Siberian Platform. She has written over 30 papers, including eight books. As an educator, she has designed numerous classes in geology and science education. She has written six volumes of curriculum, which are used around the world. She has been the lead researcher on several projects including the integration of pen computers into schools and the use of Internet technology to create a new medium of electronic textbooks. She has worked in Eritrea, Africa working with the Ministry of Education to establish science for elementary schools. Currently she is developing geologic exhibits with the newly acquired Irvingtonian Fossils from the Wes Gordon Memorial Collection at the Nucleus.

### **IN THIS ISSUE...**

- ***April Meeting Notes***
- ***Member Updates and Other News***
- ***Job Opportunities***
- ***Short Course and Field Trip Announcements***

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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) for submittal. All submittals are subject to editing for space considerations. Employment notices are free if brief.

**Address changes:**

Please submit to Section Secretary, Janine Weber-Band (secretary@aegsf.org).

**Advertisements:**

The newsletter's circulation is about 360 within northern California.

Use these low rates to expand your market:

business card: \$15 / month  
1/4 page: \$30 / month  
1/2 page: \$60 / month

**CHAIR'S MESSAGE**

The Chair's Message will return next month.

Pat  
Chair, AEG San Francisco Section

**Thank You!**  
  
**Gregg Drilling & Testing, Inc.**  
  
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the AEG San Francisco Section!**

**MAY SECTION MEETING DETAILS**

**New Venue for May 2005 Meeting**

The Meeting will be held at Scott's Seafood, 2 Broadway, Jack London Square, Oakland (phone 510-444-3456).

**Driving Directions:**

From 80 East (Bay Bridge) or 880 South – From 80 East, merge onto 880 South, take the Broadway exit, turn right onto 5th Street (base of offramp) and stay in the right lane, turn right at Broadway, and go straight for four blocks to Jack London Square.

From 880 North (driving towards Sacramento) – Take the Broadway exit, turn left on Broadway, and go straight four blocks to Jack London Square.

From 24 or 580 – From 24 or 580, merge onto 980 South (downtown Oakland), take the 11<sup>th</sup>/12<sup>th</sup> Street exit, go straight on Brush, turn left on 5<sup>th</sup>, turn right on Broadway, and go straight four blocks to Jack London Square.

**Parking:**

Parking is available on the street, in the parking garage, or in the lot adjacent to the restaurant (the former Old Spaghetti Factory).

*Reservation Form Located on the Last Page of the Newsletter*

**SPONSORSHIP**

Sponsor a Section Meeting or become a Section Corporate Sponsor! Donate to the Section and receive free advertisement each month, recognition at Section Meetings, and more! Contact Patrick Drumm at chair@aegsf.org for more information on sponsorship.

**Thank You to the Corporate Sponsors of  
the AEG San Francisco Section!**  
  
**Applied Geomechanics – Santa Cruz**  
  
**Exponent Failure Analysis – Menlo Park**  
  
**Upp Geotechnology – San Jose**

## APRIL SECTION MEETING NOTES

April 12 meeting in San Leandro was given by David L. Wagner of the California Geological Survey. The title was *New Constraints on the Age and Distribution of Cenozoic Volcanics North of San Pablo Bay, California: Implications for Displacement Along Faults Inboard of the San Andreas Fault*. Wagner credited Andrei Sarna-Wojcicki, also of the USGS, with much of the analytical work.

Students of Central California geology have long known of the suite of bimodal volcanics that crop out in patches around the Bay Area and how the ages of these volcanics have been used to support various fault-offset theories. These Cenozoic-aged volcanics are believed to be associated with the passage of the triple junction and range in age from about 10 million years old (Quien Sabe) to about 2-and-a-bit million years old (Clear Lake). In the talk, Wagner (with Sarna-Wojcicki's data) put forth his interpretation of how these volcanic units relate to each other, how and how much the strike-slip faults of the San Andreas System have displaced shreds of them, and thoughts on overlap assemblages and what they mean.

The main points of the talk were as follows:

- The Rogers Creek Fault (RCF) is a major boundary that separates volcanic rocks of very different ages. Volcanics west of the RCF are generally older than 8.2 Ma and were likely carried into place from the south.
- Volcanics in the Cotati area correlate with the Tolay Volcanics, not the Burdell Mountain Volcanics in Marin County.
- The Roblar Tuff occurs on both sides of the Tolay Fault zone and shows very little displacement since 6.3 Ma.
- The Petaluma Valley Fault displacement is about 10 km – less than previously believed.

An interesting point was the local nature of many of the volcanic units, especially the flow and intrusive units such as the Tolay, the Quien Sabe, the Burdell, and the Clear Lake volcanics in contrast to the regional occurrence of the ashes – the Roblar, Putah and Pinole Tuffs. The ashes were generated from a distant source (probably from the Cascade Range) and allow for regional correlation of stratigraphic sequences that contain them. The lavas on the other hand provide better “piercing points” to analyze lateral offsets along strike-slip faults.

Sarna-Wojcicki now prefers argon-argon (Ar-Ar) dating over potassium-argon (K-Ar) dating which gave excessive age-dates. He used new age-dates for the Roblar Tuff (about 7 ma) to correlate it with units in the Delgada Fan that now occurs adjacent the Mendocino Triple Junction. The Roblar Tuff is an air fall tuff reworked in a fluvial-estuarine system that links to the Fan.

Wagner also discussed the Tolay Fault and the varied interpretations of its nature. The newest thinking is that the Tolay is a zone of intense faulting and thrusting in an east-verging system that is superimposed by normal faulting. In other words: “some of each”. Russ Graymer and others at the USGS recently proposed the Petaluma Valley Fault is the true strike-slip fault that offsets the Tolay volcanics from the Quien Sabe volcanics, and that the Tolay Fault is a relict structure.

Janine Weber-Band  
Secretary, AEG San Francisco Section

**AEG San Francisco Section Thanks  
our Academic Sponsor!**

**San Jose State University**

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## MEMBER UPDATES AND OTHER NEWS

### CCGO UPDATE

#### ALERT: Oppose Limitations on NOAA

A bill, entitled "National Weather Services Duties Act of 2005" (S.786) introduced by Senator Rick Santorum (R-PA) to the Committee on Commerce, Science, and Transportation on April 14, 2005 would limit the National Oceanic and Atmospheric Administration (NOAA) from providing weather data, particularly through the National Weather Service. The bill would expressly prohibit federal weather forecasters from competing with commercial weather forecasters such as AccuWeather and the Weather Channel. Critics say the wording of the bill is so vague that it is not clear what data could or could not be provided by NOAA. The bill might force the National Weather Service website to be removed or to have much of its data removed. The National Weather Service would only be allowed to "provide severe weather forecasts and warnings designed for the protection of life and property of the general public."

According to a report in the Palm Beach Post, Barry Myers, the executive vice president of AccuWeather, which is based in College Station Pennsylvania, stated that "The National Weather Service has not focused on what its core mission should be, which is protecting other people's lives and property,... It spends hundreds of millions of dollars a year, every day, producing forecasts of 'warm and sunny'." Santorum made similar arguments when introducing his bill. He also said expanded federal services threaten the livelihoods of private weather companies. "It is not an easy prospect for a business to attract advertisers, subscribers or investors when the government is providing similar products and services for free," Santorum said.

Limiting the data provided by the National Weather Service and NOAA could be detrimental to their current users and the public. Taxpayers pay for the data collected by NOAA and should have access to the data and information about the data. Limiting the data may also delay severe weather forecasts and warnings that are meant to protect life and property if a special certification is required before data can be posted.

Please email or call your senators and ask them to oppose Senate bill S.786, the "National Weather Services Duties Act of 2005". You may also contact the Commerce, Science and Transportation Committee chairmen, Senator Ted Stevens and Senator Daniel Inouye through the Committee's telephone 202-224-5115 or FAX 202-224-1259.

### **California Building Standards Commission Clears the Way for Adoption of International Building Code**

CCGO's Code Development Committee, which worked hard for three years to improve the new International Building Code (IBC), is pleased to announce that an earlier setback to adoption of the code by the State of California has been overcome. After all our work to increase recognition of the importance of geologic considerations in the IBC, the California Building Standards Commission in July 2003 recommended adoption of the National Fire Protection Association 5000 building code, which we had never heard of and which contained precious little mention of geologic or grading issues. Now, fortunately, the recommendation has been rescinded, and the State is proceeding toward adoption of the IBC as the basis for the next California Building Code (CBC).

Code Development Committee Chair Betsy Mathieson and current CCGO Vice President Charles Nestle have both been working with the California Grading Officials Association on their efforts to have important grading code provisions included in the next CBC. In addition, Betsy and CCGO founder Bob Tepel are members of the Grading Standards Technical Advisory Committee of the California State Mining and Geology Board. The Committee is in the process of preparing an SMGB special publication on engineered grading.

For further information or to join CCGO's Code Development Committee contact Betsy Mathieson, [emathieson@exponent.com](mailto:emathieson@exponent.com) or 510-523-5852.

### **AEG SF PUBLICATIONS UPDATE**

Due to unprecedented demand we are now sold out of the field trip guidebook "Seismic Hazards of the Range Front Thrust Faults/Northeastern Santa Cruz Mountains/Southwestern Santa Clara Valley". Copies may be purchased at the GSA Cordilleran Meeting in San Jose in conjunction with the field trip, however the meeting will have ended by the time you read this message. The other option is to download the guidebook from the AEG SF website by clicking on the appropriate link at <http://www.aegsf.org/publications.html>. It's a 118 page \*.pdf file, but is worth the wait.

We still have many copies for sale of the joint AEG/GRA Field Trip Guidebook, "From The Pacific Ocean to the Sierra Nevada: Taming Shaky Ground" from the 2000 Annual Meeting. Contact me at [vice-chair@aegsf.org](mailto:vice-chair@aegsf.org) to place an order or come to the next Section meeting and I'll sell you one for \$15.

I am looking to transfer Publication Chair duties to another geologist this year or anyone who has an interest in "getting the Lit out". As Publications Chair you can meet new members at the Section meetings, have provocative conversations regarding who wrote what where, provide valuable reference material, and stay in tune with the technical publication work being done by those on top of the field of engineering geology. Let me know if you are interested or speak to me at the next section meeting.

Bill Godwin  
Publications Chair, AEG San Francisco Section

### **YEAR OF PHYSICS**

Did you know that 2005 is the World Year of Physics? This worldwide celebration of physics and how it is important to our lives is also important for Earth Science Week. Earth Scientists use physics to help them understand our planet. Geophysicists, seismologists, and structural geologists are just a few examples of the geoscientific careers that have a strong background in physics and the Earth sciences. To learn more about the World Year of Physics visit <http://www.physics2005.org/>.

### **VOLUNTEER FIELD WORK FOR THE USGS**

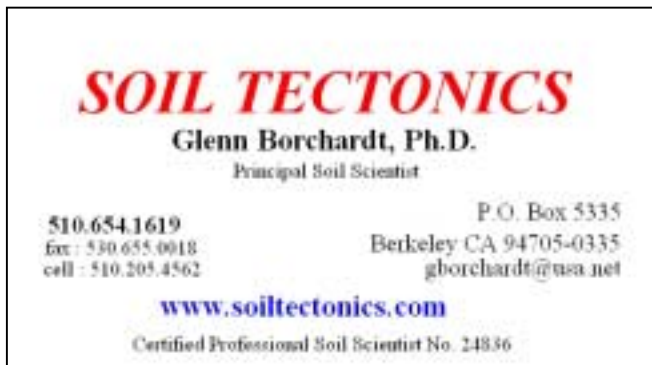
The USGS needs you to volunteer for the Airborne Laser Swath Mapping Project on the San Andreas and San Jacinto Faults in Southern California in May. The USGS and its partners are recruiting volunteers to participate in a major airborne data acquisition and fault zone imaging project using GPS and high-resolution imagery to learn more about the San Andreas and San Jacinto faults.

Each volunteer will need to devote one full day to training and planning on May 13<sup>th</sup>, and then spend two weeks full-time in the field from May 16<sup>th</sup> through 23<sup>rd</sup> and from May 23<sup>rd</sup> through 27<sup>th</sup>. Each day, volunteers will be stationed with GPS equipment at field sites along the fault for 2 to 8 hours at a time while the airplane performs the scan. This is a good time to read a book, or explore around in the vicinity, while taking care of the equipment as it automatically tracks the GPS satellites.

Weather permitting, the project can be completed in a total of 7 days' flying time, so the schedule contains some extra days to account for stand-by days (in case of a storm passing through the area). While in the field, a per diem rate of \$31/day for food, etc. will be provided; your room (assuming people double up), field vehicles and gas will be paid for by the project. If willing to use your vehicle (especially 4WD), let us know.

Participating Organizations include the USGS, Ohio State University and the National Center for Airborne Laser Mapping (NCALM)—both funded by the National Science Foundation, and field volunteers' institutions.

If interested, contact any of the following:  
 Principal Investigator: Prof. Michael Bevis, (OSU) 614-499-5966, mbevis@osu.edu  
 USGS Lead Scientist: Ken Hudnut (USGS) 626-583-7832, hudnut@usgs.gov  
 Wendy Shindle (USGS) 626-583-6801  
 David Raleigh (OSU) 614-209-3328  
 USGS Main Office: 626-583-7823



**NAME CHANGE FOR CALIFORNIA LICENSED GEOLOGISTS**

Senate Bill 1914 changes the name for licensed geologists in the State of California from Registered Geologist (RG) to Professional Geologist (PG). This change became effective on January 1, 2005. Individual license numbers will remain the same, but all new pocket licenses and wall certificates will state Professional Geologist. Existing wall certificates and pocket licenses are still valid and do not need to be replaced. For more information, visit [http://www.leginfo.ca.gov/pub/03-04/bill/sen/sb\\_1901-1950/sb\\_1914\\_bill\\_20040929\\_chaptered.pdf](http://www.leginfo.ca.gov/pub/03-04/bill/sen/sb_1901-1950/sb_1914_bill_20040929_chaptered.pdf).

**SENATE CONFIRMS JOHNSON HEAD OF US EPA**

Following a 61-47 vote to break a procedural roadblock, the U.S. Senate on April 29<sup>th</sup> confirmed the appointment of Stephen Johnson as administrator of the EPA. The procedural vote removed a "hold" placed on the nomination by Senator Thomas Carper (D-Del.), who engaged in the maneuver out of his frustration with the White House's refusal to respond to his requests for certain analyses of different proposals for reducing air pollution. Carper insisted that he had no objection to Johnson himself, but rather blocked the nomination in order to send "a clear message that the White House and federal agencies have a responsibility to provide Congress with information that will help us write good, balanced legislation." Johnson is the first career scientist to head EPA.

**ECONOMIC PENALTY FROM GREENHOUSE GAS ENFORCEMENT INSIGNIFICANT**

The imposition of regulatory limits on emissions of carbon dioxide and other greenhouse gases would not significantly affect economic growth rates in the United States, according to a recent report from the Energy Information Administration (EIA). At the request of Senator Jeff Bingaman (D-NM), EIA, an independent agency affiliated with the Department of Energy,

evaluated the possible effects of a proposal by the non-governmental National Commission on Energy Policy, which had recommended a cap on greenhouse gas emissions and the implementation of a system in which sources that exceed their limits pay \$7 per ton to sources that emit less than their allotment. EIA estimated that the commission's proposal would cost each U.S. household \$78 per year and would reduce the gross domestic product by about 0.1% by 2025.

**NEW CD ON RIDGE-TOP SPREADING**

The California Geological Survey recently released a 2-set CD on ridge-top spreading in California, a collection of seven papers edited by Earl Hart. The contents are posted on the CGS website ([www.conserv.ca.gov/cgs/](http://www.conserv.ca.gov/cgs/)) under Recent Releases.

**NEW HAZARDS MAPS AVAILABLE**

Santa Clara County has a new set of Hazard Maps available to the public on their website. Go to [www.sccplanning.org](http://www.sccplanning.org) and click on maps-GIS to access the information.

**FUN WITH GEOSCIENCE TRIVIA**

(from GSA Connection)

1. What is the name of the tin oxide often mined as an ore of tin?
2. What high phenomenon is experienced twice every 24.84 hours in Hilo Bay, Hawaii?
3. What geologic time period was named after the old Roman name for Wales, UK?

Answers on Page 7.

**OTHER MEETING ANNOUNCEMENTS**

**UPCOMING AEG SF SECTION MEETINGS**

June 14, 2005: Iverson—Dynamics of Debris Flows and Rock Avalanches, Spengers, Berkeley (Jahns Lecturer)

July 12, 2005: Greene—Tsunami Generating Landslides

**AEG ANNUAL MEETING**

Plan to attend the 48<sup>th</sup> Annual AEG Meeting, "Under the Neon", at the Flamingo Las Vegas Hotel in Las Vegas, Nevada, September 17-25, 2005.

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

**NORTHERN CALIFORNIA GEOLOGICAL SOCIETY**

The next NCGS meeting will be Wednesday, May 25<sup>th</sup>.

The NCGS typically meets the last Wednesday of each month in Orinda at the Masonic Center, 9 Altarinda Road. There is a social period at 6:30 pm, and at 7:00 pm a talk (no dinner). To reserve, leave your name and phone number at 925-424-3669 or [danday94@pacbell.net](mailto:danday94@pacbell.net). Cost is \$5 per regular member; \$1 per student member.



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**SHORT COURSES**

**GRA SEMINARS**

Upcoming Groundwater Resources Association symposia include “GRA’s Legislative Symposium and Lobby Day”, May 18, 2005 at the Sheraton Grand Hotel, 1230 J Street, Sacramento, and “Subsurface Vapor Intrusion to Indoor Air—An Update”, May 25, 2005 at the Hyatt Hotel in San Jose.

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

**AEG ANNUAL MEETING SHORT COURSES**

Short courses at the 2005 AEG Annual Meeting include:

- Aquifer Testing
- Paleoseismic Investigations
- Engineering Geophysics Workshop
- GIS for Geologic Mapping
- Review Course for ASBOG Test

For Short Course information and submittals, please contact:

Ernest Solomon  
 Short Course Chair, AEG San Francisco Section

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**FIELD TRIPS**

**Seismic Hazard of the Range Front Thrust Faults Guidebook**

The guidebook from the sold-out March 2004 Range Front Thrust Fault Field Trip is now available on the section website for downloading. The PDF version of the guidebook is approximately 49MB. The guidebook

contains an overview paper, directions and mileage log, 10 technical papers, and many color photos and illustrations. The guidebook is a must-have reference for engineering geologists working along the northeastern range front of the Santa Cruz Mountains between Los Gatos and Daly City.

**PGS Guidebooks**

The Peninsula Geological Society has posted guidebooks from their recent field trips, including Panoche and Tumey Hills (2004), White-Inyo Range (2002), Mount Shasta and the Klamath Mountains (2001), Big Sur (2000), and the Northern Sierra Nevada (1982). The guidebooks can be downloaded from [www.diggles.com/pgs/](http://www.diggles.com/pgs/).

**Upcoming NCGS Field Trips**

May 21, 2005—Robert Sibley Volcanic Regional Preserve in the Berkeley Hills; Stephen Edwards, Director, Tilden Regional Botanic Garden

June 25 and 26, 2005—Blueschists and Breweries (“Brewschists II”); John Wakabayashi, Consultant

The NCGS has posted photos and comprehensive field trip reviews for many of their recent field trips. Visit [www.ncgeolsoc.org](http://www.ncgeolsoc.org) for more information.

For Field Trip information and submittals, please contact:  
 Phil Johnson  
 Field Trip Chair, AEG San Francisco Section

**EMPLOYMENT OPPORTUNITIES**

*Please note: AEG provides the following employment notices as a courtesy but does not necessarily endorse these services or companies nor does it take responsibility for actions pursuant to these notices.*

**Executive Officer, SMGB**

The California State Department of Conservation seeks highly qualified candidates for the position of Executive Officer/Special Representative, State Mining and Geology Board (SMGB), in Sacramento, California. The SMGB is an autonomous body within the Department that is responsible for giving direction and guidance to the Director, the State Geologist and the California Geological Survey on matters pertaining to the State’s geology, seismology and mineral resources, and has statutory authority to establish policy and set technical standards for programs in seismic hazards mapping, geohazards and landslides mapping, active surface fault mapping, and for the reclamation of mined lands.

The Executive Officer is the constitutionally exempt (non-civil service) employee who serves at the pleasure of the SMGB to administer various sections of the State’s Public Resources Code and the California Code of Regulations under the Seismic Hazards Mapping Act, the Alquist-Priolo Earthquake Fault Zone Mapping Act, and the Surface Mining and Reclamation Act, and is the SMGB’s Special Representative to the Administration and the Legislature. The Executive Officer functions as a

liaison with the State Geologist and technical staff to help the SMGB carry out its functions. The Executive Officer will represent the SMGB at meetings with local, State, and/or Federal agencies, and may be asked to testify in court on behalf of the SMGB and/or the Department.

Candidates must have a thorough working knowledge of the State's legislative and regulatory processes, and excellent written and oral communication skills as necessary in dealing with elected and appointed government officials, members of various professions, and the general public. Candidates must be able to analyze complex technical and policy issues and make recommendations to the SMGB. Some educational background and experience in geology, seismology, mining or civil engineering is desirable; however, experience and training in other fields can also be considered. A working understanding of general business practices, accounting and budgeting, and the management of professional, technical and clerical staff is necessary. Additional desired (but not required) qualification: Registration as a geologist in the State of California.

Prospective candidates must submit a completed Standard State Application (Form 678) and a Statement of Qualifications to Kit Gonzales (address below). Applications/Statements of Qualifications must be postmarked no later than Tuesday, May 31, 2005. To obtain a copy of the position duty statement, please contact Ms. Gonzales at 916-322-1082, or via e-mail at [smgb@conservation.ca.gov](mailto:smgb@conservation.ca.gov). The duty statement and additional information about salary/benefits are available on the SMGB's website, [www.conservation.ca.gov/smgb/index](http://www.conservation.ca.gov/smgb/index).

Kit Gonzales  
Executive Assistant  
California State Mining and Geology Board  
801 K Street, MS 20-15  
Sacramento, CA 95814

**Staff Geologist**

Upp Geotechnology, Inc. (UGI) is a small-sized geotechnical consulting firm that provides soil and foundation, geologic, and geotechnical engineering investigations and consulting services to private and commercial clients throughout the greater San Francisco Bay area and northern California. UGI is seeking a recent graduate for an entry level staff geologist position.

Responsibilities will include field work, drafting, laboratory testing and report writing. Applicants must possess strong verbal and written communication skills and a degree in geology.

Interested applicants please submit your resume and profile via fax 408-866-9436 or mail to: Upp

Geotechnology, Inc., c/o Human Resources, 750 Camden Ave, Suite A, Campbell, CA 95008.

**Senior-Level Seismic Geologist**

The Seismic Hazards Group of URS Corporation based in Oakland, California, has an opening for a senior-level seismic geologist. The successful candidate will be involved in the seismic hazard evaluations of critical and important facilities worldwide. Minimum requirements are a Masters or PhD degree in geology with an emphasis on seismic geology or paleoseismology; a minimum of 5 years work experience either professional, academic, or research; a strong publication record; and strong verbal and written English communication skills. Salary is negotiable based on qualifications.

Interested applicants please go to [www.urscorp.com/careers](http://www.urscorp.com/careers) to submit your resume and profile. URS is an equal opportunity employer.

**Senior Project Engineer**

Weiss Associates is seeking a senior project engineer to perform and manage technical project work, attend regulatory meetings, supervise technical staff, and develop business. The position is based in Emeryville and/or Mountain View. This position requires 8 to 15 years of turnkey experience in environmental site cleanup/closure and/or regulatory compliance, including at least 5 years' experience conducting business development. Also requires at least a BS in chemical, civil or mechanical engineering, registration as a California PE, and current 40-hr and 8-hr SARA/OSHA training.

Apply to [jobs@weiss.com](mailto:jobs@weiss.com), and refer to JOB #AEG021405spe. Include your resume and cover letter in the body of your message, as attachments will be deleted. Please see Careers section at [www.weiss.com](http://www.weiss.com) for a complete listing of our current job openings.

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**AEG San Francisco Section – May Newsletter  
Monthly Section Meeting & CCGO Fundraiser – Thursday, May 12<sup>th</sup>  
Scott’s Seafood, Oakland**

***CHECK OUT THE AEG SF SECTION WEBSITE AT WWW.AEGSF.ORG!***

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**RESERVATION FORM**

AEG San Francisco Section Meeting • Thursday, May 12, 2005 • 6:00 pm • Scott’s Seafood, Oakland  
**Reservation Deadline: 12:00 PM, MONDAY, MAY 9<sup>TH</sup>**

SEND RESERVATION FORM TO **CORINNE STEWART**  
FAX: **408-779-6879** or E-MAIL: **cstewart@pacific-geotechnical.com**

*Please include “AEG SF Reservation” in subject line • Include entrée choice • This reservation form can be completed electronically.*

Do not send payment – check or cash at the door – make checks payable to AEG SF SECTION

Dinner and Meeting Cost: \$35 – reserved      \$15 – student members      \$40 – walk-ins

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

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

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

PLEASE CHOOSE ENTREE(S):                      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 Sachiko Tanikawa 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(S) \_\_\_\_\_