

## Meeting Details:

- Tuesday, April 10<sup>th</sup>
- Mariner's Point Golf Links, Foster City
- 6:00pm – Cocktail Hour
- 7:00pm – Dinner
- 8:00pm – Program Talk
- \$30 members, students ½ off who call Dr. Williams, 408-924-5050.
- **Reservations due by Friday, April 6th. See back cover for RSVP form.**

## Section Officers, 2000-2001

### Chair

Jason Preece  
Camp, Dresser & McKee, Inc.  
925-933-2900  
preeceje@cdm.com

### Vice-Chair

Charles Kissick  
Sigma Prime Geosciences  
650-726-7198  
sigmaprm@pacbell.net

### Treasurer

Corinne Stewart  
Pacific Geotechnical  
408-629-7801  
stewart\_corinne@hotmail.com

### Secretary

Anne Rosinski  
CDMG  
415-904-7730  
arosinsk@constrv.ca.gov

## Committee Chairs

### Membership Chair

Chris Hundemer  
Upp Geotechnology, Inc.  
408-275-1336  
rockman8@pacbell.net

### Short Course Chair

Ernest Solomon  
650-948-3528  
esolo@earthlink.net

### Field Trip Chair

Drew Kennedy  
Gilpin Geosciences  
north35west@earthlink.net

## APRIL 2001 PROGRAM: (Sponsored by In-Situ, Inc.)

### Automated Slope Monitoring in Taiwan by Jeff N. Schuyler, Applied Geomechanics

In December of last year, Applied Geomechanics installed a real-time automated slope monitoring system on a steep slope above a large reservoir in Taiwan. The reservoir is one of many nestled into the western “foothills” of Taiwan. The slopes surrounding the reservoir are underlain by a thick sequence of folded and faulted Miocene sedimentary rocks. The government has floated a proposal to raise the dam to increase power generation capacity (to offset the recent cancellation of a nuclear power plant that was under construction). The local authorities are concerned that raising the pool elevation may lead to slope failures – especially since the eastern shoreline consists of a steep dip slope.

The installed system consisted of four remote monitoring stations on the slope and a PC control station located in an office building on the dam, located about 2 km from the slope. Each monitoring station is connected to 13 inclinometers and a piezometer. The monitoring stations are battery/solar powered, and communicate with the PC via radio telemetry.

This case history is a good example of the design and installation of a fully-realized automated “multi-cultural” monitoring system. The talk will present a brief overview of the monitoring system design, lots of pictures of the site and the installation, and finally some observations about how local culture may mean more to the success of automated monitoring than integrated circuits.

## SPEAKER'S BIOGRAPHY

Mr. Schuyler received his Bachelors degree from Oregon State University in Geology in 1980, and his Masters degree in Rock Mechanics from Indiana University in 1983. He is a Certified Engineering Geologist with 17 years of experience consulting in the fields of rock mechanics and geologic engineering. As a consultant he has directed numerous studies that involved the practical application of instrumentation for design and construction of bridges, dams and tunnels as well as hydraulic fracture design and optimizing oil and ground water extraction. As AGI's Vice President, Mr. Schuyler is responsible for coordinating technical support services for AGI's established line of tiltmeter products and monitoring systems.

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## THANKS TO OUR MONTHLY MEETING SPONSOR, IN-SITU, INC.!

**Please visit our meeting sponsor's website for info on their services and products at [www.in-situ.com](http://www.in-situ.com)!**

**In-Situ, Inc.**, a worldwide leader in groundwater monitoring devices has been in business for more than 20 years. The company manufactures pressure transducers and data loggers for sale and rent out of their factory in Laramie, Wyoming. Eric Strahan is the Western Regional Sales Account Manager and is based out of San Diego, California. For more information, please feel free to contact Eric at 800/446-7488.

## CHAIR'S MESSAGE

### Committee Chairs

#### CCGO Liaison

Betsy Mathieson  
Exponent Failure Analysis  
emathieson@exponent.com

#### Legislative Chair

Julian C. Isham

#### Publications Chair

Patrick Drumm  
Geolith, Inc.  
pldrumm@geolith.com

#### Awards Chair

Keil Albert  
Geoconsultants, Inc.  
kalbert@ix.netcom.com

#### Past Chair

Gary Pischke  
Earth Systems Consultants

### Newsletter Editor

Gretchen Mora  
aegnews@visto.com

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

#### Submittals:

Deadline is the 20<sup>th</sup> of each month for the following issue. Contact Gretchen Mora by email (aegnews@visto.com) for submittal. All submittals are subject to editing for space. Job ads are free if brief.

**Address changes:** Please submit to Section Secretary, Anne Rosinski at 415-904-7730.

#### Advertisements:

The newsletter's circulation is about 360 within northern California. Use these low rates to expand your market:

	<u>Monthly</u>
Business card	\$ 15
1/4 page	\$ 30
1/2 page	\$ 60

#### Sponsorship:

Become a Section Corporate Sponsor! Donate to the Section and receive free advertisement each month, recognition for your donation at Section Meetings, and more! For more info on Section Sponsorship, Contact Jason Preece.

### Membership Update

Our membership is slowly creeping up. At last count, we had 242 members for 2001. This is a long way from last year's membership of about 350. I hope we can surpass that amount this year. We can easily do so if you all consider inviting that new geologist your company may have just hired to become a member, or, at least, bring them to a meeting, tell them about AEG, or give them our web address (<http://www.aegweb.org>), so they can decide for themselves.

Headquarters has reformatted the membership database so we now receive data on all members in the Association. Also, they have included the member's initiation date so we now know who are the new members. Perhaps this will help us give new members the special attention they deserve. I need not point out to all of you the importance of showing new members what AEG is all about and the value it can bring. At the March dinner meeting, I was caught off guard when someone asked me during the business meeting to explain to the group the benefits of being an AEG member. I fielded the question fairly well. But, that brings up a good point - What do you think are the benefits of being a member of AEG? I value your feedback. This is an important question to which the Association needs to know the right answer.

Another important factor regarding the new database files Headquarters is now sending us is that they are more correct and timely than in the past. This should enable us to keep in better contact and hopefully better serve our section members. I realize that a small handful of members have slipped through the cracks in the past because we as a Section have either not been properly informed of new memberships or have not transferred the member's data over to our mailing lists properly. In other instances, members have moved and not kept us informed of an address change. In any event, it is disheartening to lose a member on these accounts. If you happen to be a member who, in the past, has felt ignored by the Section leaders, please understand we only have so many resources and that we mean no harm.

### Legislative Front

We now have Julian C. Isham ("JC") as the new Legislative Committee Chair. Mike Linden has accepted a position with a law firm and, therefore, has left Engeo. Mike felt he would be too busy to properly serve the Section and decided to step down. Thank you Mike for your hard work. Be sure to come to next year's January meeting and accept your Certificate of Appreciation. We welcome JC who comes to us with experience as the former Legislative Chair for the Sacramento Section.

The Board of Registration for Geologists and Geophysicists has passed on a draft of the revised licensure act to the Sunset Review Committee. According to Judy Wolen, our state lobbyist, we are waiting any day now for the Committee's acceptance/revision of the draft that will be incorporated into Senate Bill 136. Judy says the SB 136 will be introduced on April 30th and that it is expected to move through the Senate with little resistance.

### Field Trips

Drew Kennedy spoke at the March meeting and mentioned he has two field trips in the making - Black Diamond Mines in the Spring and the Rogers Creek area. He told me that he probably will have some recent researchers involved on the Rogers Creek trip and that a 700-acre site could be made available.

### Technology Wave

Lastly, I need to point out that we are going to have to embrace the technology wave in the way we do business. All other societies are doing it. This is not to help out the stock market, but to help us become better members of a professional society. We must learn to communicate via email and use the internet to keep pace with the rest of the world. I feel it is far more efficient and economical. Please seriously consider downloading the newsletter from our new web page at <http://www.aegsf.org> rather than requiring us to mail it to you. You will save our section money and limited time resources. If you decide to do this, you need to let me know at [preeceje@cdm.com](mailto:preeceje@cdm.com) so we take you off the mailing list. If you give us your email address, we will send you a reminder each month with a link to the download page. Also, with your email, we can send you more urgent news that would otherwise come too late via the newsletter.

Success to all,

JASON PREECE, San Francisco Section Chair

## APRIL SECTION MEETING DETAILS

The April Section Meeting will be held at the Mariners Point Golf Links, located at 2401 East 3<sup>rd</sup> Avenue, Foster City. The golf course is a 9-hole, par 3, and it takes about 1 ½ to 2 hours to complete a round. Green fee is \$15, and they have lights for night golfing. Anyone who wants to golf before the meeting can call (650) 573-7888 for a tee time. There is also a driving range there.

### Directions:

From the San Mateo Bridge: Take the first exit after the bridge (Foster City Blvd.) Bear right and double back to Foster City Blvd., and take a left onto Foster City Blvd. Go left on East 3<sup>rd</sup> Avenue, continue a short distance, and it will be on the right, at the stop light for Mariners Island Blvd.

From 101: Get onto 92 East, toward San Mateo Bridge. Exit at Mariners Island Blvd, and go right. Continue on Mariners Island Blvd. for about a mile. The road ends at East 3<sup>rd</sup> Avenue, where you should get in the middle lane. Cross over East 3<sup>rd</sup> Avenue, directly into the parking lot for the golf course.

**Please make your reservations by Friday, April 6th! See the back cover for the RSVP form.**

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## MARCH SECTION MEETING NOTES

Student research was the highlight of the March meeting. Graduate students from San Jose State University, University of California, Berkeley, and Stanford presented short talks on their respective research.

Caroline Frey, from San Jose State University presented "Geomorphic study of Searsville Lake Watershed, Portola Valley, California." Ms. Frey was born in Switzerland and obtained an MA in Geography from the University of Lausanne in 1997. She is currently working on an MS in Geology. Her study of Searsville Lake is based upon extensive field mapping of erosional and depositional features along the numerous tributaries to the lake. The resulting geomorphic map was then analyzed using Geographic Information System (GIS) software. Each reach type was analyzed according to geology and slope, and classified based upon sediment production and storage within the channels.

David M. Doolin, from University of California, Berkeley, presented the results of a "Numerical Simulation of Large Fast Moving Landslides." Mr. Doolin earned a BS in Geology, and an MS in Civil Engineering at the University of Tennessee, Knoxville. He is currently a Ph.D. candidate in Civil Engineering. Mr. Doolin is developing numerical models using discontinuous deformation analysis to simulate fast moving landslides. This method provides a quantitative study of events that occur rapidly and involve up to hundreds of millions of cubic meters of rock.

Jordan Muller, from Stanford University, presented his work on "The Mechanical Interaction Between the July 1967 Mudurnu Valley and August 1999 Izmit Earthquakes Using Detailed Fault Mapping and 3-D Boundary Element Modeling." Mr. Muller earned a B.A. in

geology from Franklin and Marshall College in Lancaster, Pennsylvania in 1996, and an M.S. in geology and geophysics from the University of Hawaii, in 1999. He is currently a second-year Ph.D. candidate at Stanford. Mr. Muller is studying Coulomb stress changes along fault traces in the vicinity of the 1967 rupture in an attempt to determine which fault would be most likely to rupture next. The results of his research correlate with the location of the 1999 Izmit and Düzce earthquakes.

ANNE ROSINSKI, Section Secretary

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## UPCOMING MEETINGS

If you would like to speak at a Section Meeting, or know someone who would be a good speaker, contact Charlie Kissick, Vice-Chair, at 650-726-7198.

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## CCGO ACTIVITIES

**CCGO BOARD MEETINGS:** To facilitate communication, we have quarterly board meetings. The meetings move between Los Angeles, San Francisco and Sacramento areas. The following schedule has been established: May 5, 2001 in San Francisco Bay area; August 4, 2001 in Sacramento; and contrary to earlier announcements, the last meeting will be October 27, 2001 in the San Francisco Bay Area.

### APRIL 4, 2001: FUNDRAISER DINNER FOR CCGO

Dr. Kenneth R. Lajoie, U.S.G.S., retired  
Topic - The Origin of San Francisco Bay.

During his 30-year career, Dr. Lajoie focused on the environmental geology of the San Francisco Bay Region, including coastal erosion, earthquake hazards and the mapping of earthquake ground ruptures. The San Francisco Bay, one of the most beautiful places in North America, didn't exist just 10,000 years ago. Lajoie shares his knowledge of the events that have shaped our region's geography and history.

WHEN: Wednesday April 4, 2001

WHAT: Dinner: 7:00 pm, Presentation: 8:00 pm

WHERE: Old Spaghetti Factory – Jack London Square, Oakland

COST: \$25, Reservations will be required.

Questions: Call John Karachewski (925) 424-5063

**MEMBER INPUT:** CCGO values your ideas and if one of our topics is appealing to you, please call me at (510) 232-2728; ext. 222 or e-mail me of your interest at [augerpro@jps.net](mailto:augerpro@jps.net). The success of CCGO and our profession is up to you. Please consider making that 2001 pledge to CCGO today.

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**Many thanks to Elizabeth Robertson for the header graphic on the front page of the newsletter!**

## NOMINATIONS FOR AEG AWARDS EXTENDED

The Awards Committee is requesting your help in announcing that nominations are now being accepted for 2001. The Awards Committee considers nominations for the following awards (for more complete information, please consult your Directory):

1. Douglas R. Piteau Outstanding Young Member Award – This award is presented to a Member or Associate Member who is age 35 or under, and has excelled in one or more of the following 3 areas: technical accomplishment, service to the Association, and service to the engineering geology profession.
2. Claire P. Holdredge Award – This award is presented for a publication by a Member(s) within the past 5 years that is judged to be an outstanding contribution to the engineering geology profession.
3. Floyd T. Johnson Service Award – This award is presented to a Member for outstanding active and faithful service to the Association over a minimum of 9 years. Contemporary Board members are not eligible until 1 year after leaving office. Nominations must be validated via endorsement by 3 Members having different Section affiliations. This award is not necessarily conferred annually.

The deadline for nominations to be considered for awards in 2001 has been extended to May 30, 2001. Please send nominations to Bill Cole, AEG Awards Committee Manager, c/o Cotton, Shires and Associates, Inc., 330 Village Lane, Los Gatos, CA 95030 (or to [bcole@cottonshires.com](mailto:bcole@cottonshires.com)).

## SUCCESSFUL SHORT COURSE HELD IN SJ

Twenty-two people attended the short course on Expansive Soils sponsored by the section on March 17. Attendees ranged from grizzled veterans to fresh young faces and included such notables as **Bob Tepel**, past Section and National AEG President, and **Corinne Stewart**, Section Treasurer. The course was conducted by **Dick Volpe**, a geotechnical engineer, presently a Senior Engineer at the Santa Clara Valley Water District, and was held at District facilities on Blossom Hill Road in San Jose. The course included: definition of an expansive soil; recognition of expansive soils—checklist; test methods, and treatments.

The chair wishes to thank Dick for agreeing to teach the course and for providing assistance in securing the venue. Suggestions for additional short courses, instructors, and venues would be appreciated.

ERNEST SOLOMON, Short Course Chair

Thank You  
*Gregg Drilling & Testing, Inc!*  
An Outstanding Corporate Sponsor of the  
San Francisco Section!

## DON'T FORGET YOUR MEMBERSHIP RENEWAL!

### List of Members Who Have Not Yet Renewed in 2001:

Bruce Abelli Amen, John Alt, Robert Baker, Michael Bennett, Benjamin Benumof, Nathan Berube, Timothy Best, Michael Bonkowski, Tim Boyd, Tor Brekke, Andrew Brownstone, Thomas Brundage, David Buckley, Michael Carey, Jose Cercone, Chris Christensen, Kevin Clahan, John Cogan, Steven Connelly, Sadek Derrega, David Dobson, Victor Early, Mark Eischeid, Sandy Figuers, G. Reid Fisher, Jr., George Ford, Daleth Foster, Mark Foxx, William Frohlich, Vicky Gallardo, Eric Garcia, Robyn Gerth, Lou Gilpin, Cathrene Glick, Abbie Goldstein, Miles Grant, Joseph Hanna, Gregory Hanson, Craig Harwood, Richard Heermance, William Henrich, Eric Hilmer, David Hoffman, Sarah Holtz, Roland Johnson, Rogers Johnson, Kenneth Johnson, James Joyce, Drew Kennedy, David Klimberg, Thomas Koler, Dennis Laduzinsky, Thomas Lee, Joseph Long, Richard Makdisi, Michael Manson, GERAL Marshall, Dennis Maslonkowski, Elizabeth Mathieson, Scott Mathieson, Bruce McCall, Christine Mead, Edmund Medley, JoAnna Meldrum, Peter Mesard, Julie Monet, Derek Morley, Debra Moser, James Nelson, Jeffrey Nolan, William Noryko, Matthew O'Connor, Kevin O'Dea, Charles O'Neill, John O'Rourke, William Page, Peter Palmerson, William Paris, Raymond Pestrone, David Peterson, Gary Pischke, N. Rafferty, Carolyn Randolph, George Reid, Charles Respass, David Rogers, Anne Rosinski, Julius Schlocker, William Scott, Raymond Skinner, Corinne Stewart, Seth Stiles, Philip Stuecheli, Jennifer Thornburg, Charles Trantham, James Ulrick, Richard Weiss, Jeff Werter, Timothy Whalen, Mark Wieggers, Dan Wynne.

**Please renew now! Go to [www.aegweb.org](http://www.aegweb.org) for an application!**

## MEMBER NEWS

SPRING FASHION UPDATE: Several anonymous sources report seeing AEGSF member **William Godwin**, of Harding E.S.E., fashionably attired at a recent Slope Stability and Landslides class in a white polo shirt with the red AEG logo. Be comfortable and show your support for the organization by wearing AEG logo clothing! (SF Section Annual Meeting T's are still available. Ask **Corinne Stewart**, Section Treasurer about the on-hand supply, or go to <http://www.cafepress.com/aeg2000> and order as many as you want!)

New AEGSF member **John Wakabayashi** will be leading the 2001 Friends of the Pleistocene trip. The trip will focus on neo-tectonics of the Honey Lake fault zone in Northern California. Assisting at some of the stops will be AEGSF member **Chris Wills**. No firm details are available at this time; however, the gathering of geologists is tentatively set for October.

As reported last month, **Charlie Kissick** has added a new geologist to his family. Details of Leah Rose reveal that she is approximately as heavy as a small cobble (7 lbs. 7 oz.), but a lot softer! Congrats again, Charlie!

Congratulations to **Bob Tepel** for being named to the State Mining and Geology Board by Governor Gray Davis. (See the next page for the press release.) **Bob** just doesn't know the meaning of the word "retirement!"

## **GOVERNOR DAVIS NAMES CHAIR, MEMBERS TO THE STATE MINING AND GEOLOGY BOARD**

Governor Gray Davis announced the designation of Allen M. Jones as chair, and the appointments of Brian R. Baca, Robert D. Hablitzel, Maureen F. Rose, Robert E. Tepel and Donna M. Thompson as members of the State Mining and Geology Board.

Mr. Jones, 51, of San Diego, has served on the Board since 2000. He has served as Vice President for H. G. Fenton and Company since 1990. Previously, Mr. Jones served as the Deputy Planning Director for the City of San Diego. He is a member of the American Planning Association, Urban Land Institute and the former chair of the San Diego County Air Pollution Control District Hearing Board. Mr. Jones earned a Bachelor of Arts degree from the University of California, San Diego, and a Master of Science degree from Colorado State University.

Mr. Baca, 46, of Solvang, is an Engineering Geologist for the County of Santa Barbara, where he has worked since 1989. Previously, he was an Exploration Geologist for the Unocal Corp. Mr. Baca is a member of the American Association of Petroleum Geologists. He earned a Bachelor of Science degree from California State University, Northridge, and a Master of Arts degree from the University of California, Santa Barbara.

Mr. Hablitzel, 50, of El Dorado Hills, is the Principal Landscape Architect for The HLA Group/Landscape Architects in Sacramento, where he has worked since 1980. He is a member of the American Society of Landscape Architects and the California Park & Recreation Society. Mr. Hablitzel earned a Bachelor of Science degree from the California Polytechnic University.

Ms. Rose, 36, of Oakland, is the Staff Scientist at the Environmental Law Foundation. Previously, she was the Conservation Director at the South Yuba River Citizens League. Ms. Rose earned a Bachelor of Arts degree from California State University, Sacramento, and a Master of Science degree from the Antioch New England Graduate School.

Mr. Tepel, 63, of San Jose, is a retired Engineering Geologist from the Santa Clara Valley Water District, a position he held since 1977. Previously, he was an Engineering Geologist at W.A. Wahler & Associates from 1969 to 1977. Mr. Tepel is the founder of the California Council of Geoscience Organization. He earned a Bachelor of Arts degree from the Los Angeles State College.

Ms. Thompson, 47, of Bakersfield, is President of San Joaquin Energy Consultants, Inc., a position she has held since 1997. She is a California registered geologist and hydrogeologist. Ms. Thompson is a member of the American Association of Petroleum Geologists, San Joaquin Geological Society and Technical Advisory Committee of the California Board of Registration for Geologists and Geophysicists. She earned a Bachelor of Science degree from Stanford University.

The Board represents the State's interest in the development, utilization and conservation of mineral resources; reclamation of mined lands; and development of geologic and seismic hazard

information. Members do not receive a salary. These positions require Senate confirmation.

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## **BLACKOUTS WILL NOT AFFECT USGS EARTHQUAKE MONITORING OR POSTING OF INFORMATION – U.S.G.S. News Release**

Power outages that may occur on the San Francisco peninsula will not affect the earthquake monitoring ability of the U.S. Geological Survey in Menlo Park.

"All our computer systems in the earthquake monitoring area have continually-charged batteries, so if power is lost, they go right on operating. If we were without power long enough to start draining the batteries, we have a large diesel-powered electrical generator that can be used indefinitely to produce power to run the computers," said Mary Lou Zoback, chief of the USGS earthquake hazards team. "We'll continue to receive signals from our network of seismometers, and will be able to convey that data to the public officials who rely on it."

Whether or not others are able to access the USGS data on computers depends, of course, on whether or not the user has a back-up power source to keep their computers operating. Having back-up generators is not new to the USGS earthquake program. On Oct. 17, 1989, when the Loma Prieta earthquake knocked out most electrical power on the peninsula, crucial earthquake-monitoring computers at the USGS had back-up battery power, and no incoming data from seismometers was lost. As the night wore on and the batteries began to weaken, USGS technicians hooked the computers up to a diesel-powered generator and were able to continue monitoring the hundreds of aftershocks from that earthquake, until electrical power was restored to the building on October 18.

In 1998, a back-up electrical system was installed that can generate 300 kilowatts of electricity, which assures that no data will be lost in future earthquakes. The main generator has a 1,000-gallon tank for diesel oil and can run for 200 hours.

The USGS, in cooperation with UC Berkeley, maintains a network of more than 500 seismometers throughout northern California that send signals by satellite, radio transmitters and telephone lines to Menlo Park, anytime the earth moves. As soon as a signal is received in Menlo Park, it is analyzed by computers that determine the location of the earthquake's epicenter, by longitude and latitude; the magnitude, or amount of energy released by the earthquake; and the exact Pacific Standard or Daylight time that the earthquake occurred. That information is immediately posted to the USGS web site at <http://quake.wr.usgs.gov>, where it can be accessed by anyone with a computer, internet server and electrical power.

In addition to having back-up power for the earthquake-monitoring computers, the USGS also has a generator to provide uninterrupted power to maintain refrigeration systems in its water-analysis laboratories.

**Continued on Page 6**

**Continued from Page 5**

In case of a power outage, public functions of the USGS, such as its map sales center and access to its earth-science library will not be available.

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**SPONSORS SOUGHT**

We are still in need of sponsors for the Engineering Geology Practice in Northern California. The Sacramento and San Francisco Sections are looking for sponsors to help with the publication of this volume. Please contact Bob Anderson (916-654-3836 or banderson@energy.state.ca.us) to help fund the cost of this joint volume.

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**EMPLOYMENT**

**REMEDIAION PROJECT ENGINEER/PROJECT MANAGER**

Chlorinated solvents remediation engineer with 5+ years experience in California site remediation. Experience should include remediation technology evaluation, permitting, design and implementation, operation and maintenance, contract and project management, and agency negotiations. California PE required, ChE preferred. Full time, benefited positions available with ATC Associates Inc. in their Pleasanton or Arcadia offices. Please visit our website at [www.atc-enviro.com](http://www.atc-enviro.com). Please send resumes to Kay Okamura, Human Resources Manager, at [okamura75@atc-enviro.com](mailto:okamura75@atc-enviro.com), or 6602 Owens Drive, Suite 100, Pleasanton, CA 94588. Please do not call. EOE

Check out the California State Personnel Board at [www.spb.ca.gov/jobsrd.cfm](http://www.spb.ca.gov/jobsrd.cfm) for valuable information about obtaining a job with the state as well as the state employment application form.

**When:** April 24, 2001

Social Hour 6-7PM; Dinner 7-8PM; Presentation 8-9PM.

**Who:** Roy Kroll & Robert Black, Youngdahl Consulting Group

**Topic:** *Lowden Fire and Erosional Management, Trinity County*

**RSVP:** Please email Diane Tibbs ([youngdl1@jps.net](mailto:youngdl1@jps.net)) or call 916-933-0633 by 5:00PM on the Friday before the meeting.

Visit their website at [www.aegsacto.org](http://www.aegsacto.org) for more details.

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**CCGO FUNDRAISER DINNER**

**When:** Wednesday, April 4, 2001

Dinner 7:00pm, Presentation 8:00pm

**Who:** Dr. Kenneth R. Lajoie, U.S.G.S. retired

**Topic:** *The Origin of San Francisco Bay*

**Where:** Old Spaghetti Factory, Jack London Square, Oakland

**Cost:** \$25.00

**RSVP:** Call John Karachewski (925)424-5063.

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**NORTHERN CALIFORNIA MTBE & FUEL OXYGENATES COMMITTEE**

**When:** Thursday, April 5, 2001

Social 7:00 PM, Meeting 7:30 PM

**Who:** Mr. Joel Kiff, Kiff Analytical, Mr. Chuck Headlee, San Francisco Bay Regional Water Quality Control Board and Mr. James Crowley, P.E., Santa Clara Valley Water District

**Topic:** *"Evaluation of MTBE Risk at Operating Gas Stations in Santa Clara County"*

**Where:** At the Regional Water Quality Control Board - San Francisco Bay Region Offices located at 1515 Clay Street, Suite 1400, Oakland, CA.

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**GEOLOGIC HAZARDS CONFERENCE-Salt Lake City, UT**

*Evaluating and Reducing Geologic Hazards in Utah: Practical Information for Geologists and Engineers.* The 2-day conference has been finalized for April 12 and 13, 2001 (on the Thursday and Friday before Easter) at the State Office Building Auditorium. The conference targets practicing professional geologists and engineers and will highlight the latest techniques in geologic-hazard assessment and reduction. It is principally a technical conference, but land-use planners and regulators should also find it interesting and applicable to their roles in reviewing geologic-hazards reports and permitting development. Invited speakers will cover earthquake topics on Thursday, April 12, including ground shaking, liquefaction, surface faulting, and building code issues. On Friday, the emphasis will be on landslides, debris flows, rock falls, avalanches, and dams. Each day will conclude with a panel discussion of the invited experts to address questions from the audience regarding technical issues as well as issues of acceptable risk. Conference chairs are David Simon (Simon-Bymaster, Inc.) for AEG and John Wallace (IGES) for ASCE. The organizing committee includes Bill Loughlin (AEG, Kleinfelder), Steve Bartlett (ASCE, U of U), Gary Christenson (UGS, USSC), Darlene Batatian (UGA, Salt Lake County), and David Marble (ASCE, DWR).

**Continued on Page 7**

**Soil Tectonics**  
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**Glenn Borchardt, Ph.D.**  
Principal Soil Scientist  
Cert. Prof. Soil Sci. No. 24836

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cell : 510.205.4562  
fax : 815.327.5331

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[gborchardt@usa.net](mailto:gborchardt@usa.net)  
[www.soiltectonics.com](http://www.soiltectonics.com)

**OTHER MEETINGS**

**NCGS MEETING**

**When:** Wednesday, April 25, 2001

**Who:** Laurel Collins, San Francisco Estuarine Institute

**Topic:** Wildcat Canyon: Watershed and Sedimentation Interactions

**Where:** Orinda Masonic Center

**SACRAMENTO SECTION of AEG MONTHLY MEETING**

**Continued from Page 6**

The registration form can be found and downloaded from the web page below. Seating will be limited – so **register today!**

**Webpage:** <http://www.users.qwest.net/~ssbartlett/geohazutah.htm>.

Full Symposium Registration (non-student) = \$135  
One-Day Registration (non-student) = \$75 (must specify day)  
Full Symposium Student Registration = \$35 (meals included)

All registrations include abstracts and complementary continental breakfast and lunch, plus break beverages. Full registration also includes complementary conference portfolio. All registrations must be prepaid. Confirmation will be limited to the first 125 paid registrants.

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**ASSOCIATION OF WOMEN GEOSCIENTISTS**

*Annual Outstanding Student Awards Banquet*

**When:** Thursday, April 19, 2001

6:00pm Socializing, 6:30pm Dinner, Presentation at 7:00pm.

**Who:** Vicki Cowart, AWG Past President and State Geologist and Director for Colorado

**Where:** Tentative venue - Sinbad's in San Francisco. More details will be provided in the April issue of the newsletter.

**RSVP:** Barb Matz at 925-288-2337 or email

[bmatz@theitgroup.com](mailto:bmatz@theitgroup.com)

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**ASCE GEOTECHNICAL GROUP MEETING**

**When:** Thursday, April 19, 2001

6 pm Social, Dinner 7:00pm, Presentation 8:00pm

**Who:** Mr. Tony Dover of Fugro West, Inc., and Mr. Bill Cooke of Airport Design Board

**Topic:** *San Francisco International Airport Runways Reconfiguration Project*

**Where:** Spenger's Restaurant in Berkeley, CA

**Cost:** \$30.00, Students half price

**RSVP:** 415-546-6546 by Monday, April 16, 2001

**Meal Choice:** Breast of Chicken, Rainbow Trout, or Vegetarian

San Francisco International Airport (SFO) is currently conducting a major study to reconfigure its runways. The current parallel runway separation of 750 feet does not allow simultaneous landing on each runway in poor visibility/weather conditions, and thus results in major delays and/or flight cancellations. The current studies are addressing environmental and engineering issues associated with building new offshore runways adjacent to the existing airfield. This presentation covers a number of key aspects of this project, with a focus on geological/geotechnical issues. The presentation includes:

- General background on the Runways Reconfiguration Project
- The history of the existing airfield development
- Seismic Setting and Issues
- Geophysical/Geotechnical/Geological Field Investigation Program
- Site Geotechnical Characterization and Conditions
- Geotechnical Implications of Findings To Date

**CALL FOR PAPERS – AEG\*AIPG 2001**

The Joint Annual Meeting of AEG and AIPG will be held this year in St. Louis, September 30-October 7. Abstract submittals are being accepted until May 1, 2001. Email to [meetings@aeg.tamu.edu](mailto:meetings@aeg.tamu.edu), or submit your abstract on AEG's web page: [www.aegweb.org](http://www.aegweb.org), or mail on a disk to: AEG\*AIPG 2001 c/o Julie Keaton, 130 Yucca Drive, Sedona, AZ 86336-3222. Abstract must not exceed 250 words and must include author's full name, company name and address below title. Please include your daytime phone number.

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**JUDGES NEEDED FOR SCIENCE FAIR**

The Intel International Science and Engineering Fair (Intel ISEF) is the Olympics, the World Cup and the World Series of science competitions. Held annually in May, the Intel ISEF brings together over 1,200 students from 48 states and 40 nations to compete for scholarships, tuition grants, internships, scientific field trips and the grand prize: a trip to attend the Nobel Prize Ceremonies in Stockholm, Sweden. They need judges in many categories. Applications are available online at <http://www.sciserv/isef/judging/> or <http://www.intelisef2001.org/judging/>.

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**WE ARE A DIFFERENT BREED...**

DEAR ANN LANDERS:

This letter, my first ever to an advice columnist, was sparked by your column about the geologist's wife who asked, "Are all geologists the very embodiment of all the virtues and qualities that are universally admired in humankind? Have they alone, of all the professions, achieved a state of grace far beyond that ever speculated by history's most hopeful philosophers and theologians?" The answer is ABSOLUTELY! My father is a geologist. My three brothers and four uncles are geologists. Geologists ARE a different breed. They are wise, often strikingly handsome, kind to small children and animals, sensitive to the subtleties of everything around them, and when it comes to relationships, well, Mom, my three sisters-in-law, and my four aunts seemed always to have a serene, deeply satisfied look of complete contentment. If only I could have hitched up with one too.

Signed, A Jealous and Bitterly Resentful Wife of an Engineer

Ann Landers Replies:

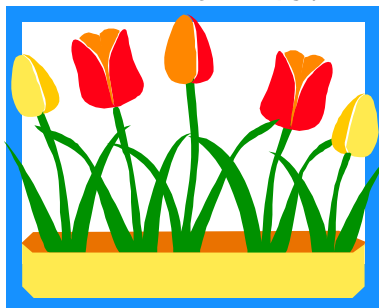
DEAR JEALOUS: I've been swamped with letters from the lucky wives, daughters, husbands, mothers, and sisters of geologists. They've given me a real education, and made me feel a little jealous too.

**Thank You to AEG Corporate Sponsors from the San Francisco Section!**

**Applied Geomechanics – Santa Cruz**  
**Exponent Failure Analysis – Menlo Park**  
**Upp Geotechnology – San Jose**

**Gretchen Mora – Newsletter Editor**  
**37192 Oak Street**  
**Fremont, California 94536**

**HAPPY SPRING!**



**AEG April Newsletter**  
**April 10 – Monthly Section Meeting**  
**Mariner's Point Golf Links, Foster City**

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

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**RESERVATION FORM – April 10, 2001 AEG Dinner Meeting, 6pm**  
**Mariner's Point Golf Links, Foster City**

**Please Fax your reservation to arrive before noon, Friday, April 6**

Fax to Corinne Stewart, c/o Pacific Geotechnical Engineering (408-779-6879) - Check or Cash at the door – Do not mail or fax payment.

Dinner and Meeting Cost: \$30 – members or spouses    \$15 – student members    \$32 – others

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

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

**PLEASE CIRCLE YOUR MEAL CHOICE:                      PASTA                      CHICKEN                      FISH**

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***PERMANENT RESERVATION FORM***

AEG San Francisco Section Monthly Dinner Meetings are usually but not always on 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 will fax or mail a cancellation notice to Corinne Stewart (fax: 408-779-6879) by noon, the Friday before the meeting.

NAME \_\_\_\_\_ TELEPHONE NO. \_\_\_\_\_

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

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

Dinner Costs are normally but not always: \$30 – members or spouses    \$15 – student members    \$32 - others

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