



SAN FRANCISCO SECTION NEWSLETTER



Meeting Details:

- ?? Tuesday, November 13th
?? Spenger's, Berkeley
?? 6:00pm – Cocktail Hour
?? 7:00pm – Dinner
?? 8:00pm – Social Night
?? \$30 members, students ½ off who call Dr. Williams, 408-924-5050.
?? **Reservations due by Friday, November 9th. See back cover for RSVP form.**

Section Officers, 2000-2001

Chair

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Short Course Chair

Ernest Solomon
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Field Trip Chair

Drew Kennedy
Gilpin Geosciences
north35west@earthlink.net

NOVEMBER 2001 PROGRAM:

Grade a Road – Go to Jail; A Saga of the Criminal Justice System, by Rex Upp

"I'm sorry I didn't call, but I've been in jail." With these words from my client, my saga began into the Criminal Justice System. At about 5:00 p.m. on a Friday in September 1996, sheriff deputies arrested the defendant (my client) at his place of business. Because of the timing, he could not see a judge until Monday, when he was released from jail. The defendant owns property in the Santa Cruz Mountains in the central Coast Range of California. As a result of road grading done in 1995 and 1996, six charges were filed against him including water pollution, grading without a permit, and grading without protecting adjacent properties. In trial, I testified on the following issues:

- ✍ The sandstone and shale that had blocked the highway was geologically different and could not have come from the defendant's grading.
- ✍ The blockage of a culvert and washout of a rural road downstream from the defendant's property had occurred long before his grading, based on the nature of the material blocking the culvert and the age of the washout scar.
- ✍ A slip-out on a highway road cut was not related to diversion of runoff but had a history of failures prior to 1995.
- ✍ Virtually all of the sediment that eroded from the defendant's grading remained in retention basins on the defendant's property.
- ✍ The debris flow that blocked the highway in the El Niño storm of February 1998 was caused by a slope failure in a different watershed from the defendant's grading.

The jury acquitted the defendant of grading without protecting adjacent property, presumably because there was no measurable off-site damage. The defendant was convicted of the other charges.

SPEAKER'S BIOGRAPHY

Rex Upp, immediate Past President of AEG, holds several degrees in geology and engineering, including a Ph.D. in Engineering Geology from Stanford University. He is licensed as an Engineering Geologist and Geotechnical Engineer in the State of California and has been a consultant in the San Francisco Bay area since 1977. His company deals mostly with hillside residential projects, including new construction, distressed properties, landslide repairs, erosion and drainage problems, and fault evaluations. Rex joined AEG in 1976 while a student at Stanford and has been on the Executive Council since 1995.

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OFFERS EXAM FOR GEOLOGISTS

State of California, Department of Toxic Substances Control, is testing for Geologists with skills and knowledge in environmental cleanup, geophysics, hydrogeology, bio-remediation, and faulting/seismic ground motion evaluations. Requires: Degree with major work in engineering geology, Geology, or closely related field. Excellent benefits, salary \$3273-\$5632/mo. Submit state application (678), which can be downloaded from www.spb.ca.gov, by November 5, 2001 (or as soon as possible after this date). Applications are always being accepted and you may make the next exam even if you file after November 5th. For information call (916) 327-4506 or visit our website at www.dtsc.ca.gov.

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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 20th of each month for the following issue. Contact Lisa Paulick by email (lisa@geekhold.com) for submittal. All submittals are subject to editing for space. Job ads are free if brief.

Address changes: Please submit to Section Secretary, Lisa Paulick 510-682-3205.

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:

NOVEMBER SECTION MEETING DETAILS

The November Section Meeting will be held at **Spenger's Fish Grotto, located at 1919 4th Street, Berkeley**. Parking validation is available.

Directions from 80E/580W (Northbound): Take the University Avenue exit towards Berkeley. Keep right at the fork in the ramp. Go under the University Avenue over crossing. Turn right onto Hearst Avenue. Turn right onto 4th Street. A parking lot is across the street from the restaurant.

From 80W/580E (Southbound): Take the University Avenue exit. Turn eastward onto University Avenue. Turn left onto 6th Street. Turn left onto Hearst Avenue. Turn left onto 4th Street. A parking lot is across the street from the restaurant.

Please make your reservations by Friday, November 9th! See the back cover for the RSVP form. Please FAX all meeting reservation correspondence.

Groundwater Resources Association of California, Sacramento Chapter Aerial Photography Interpretation Workshop Saturday, November 10, 2001 at the Red Lion Hotel in Sacramento

The GRA Sacramento Chapter will hold an Aerial Photography Interpretation Workshop Saturday, November 10, 2001 from 8:30 a.m. to 3:30 p.m. at the Red Lion Hotel in Sacramento. Red Lion Hotel is located at 1401 Arden Way next to the Arden Fair Mall. For directions, go to www.redlion.com. Brian Hausback, the chair of the CSUS Geology Department, will be the lead instructor. Cartwright Aerial Surveys, Inc. will provide the aerial photos and will demonstrate the use of digital aerial photos. Lunch will be provided.

After Saturday, October 20, 2001, registration and payment must be received by Monday, November 5, 2001. Note payments will NOT be accepted at the door.

?? Current GRA members - \$110

?? Non members - \$120 Join GRA now to receive this discounted price!

Look under "Membership" on the GRA web page www.grac.org

?? Registered students - \$100 (need to show current college reg. card)

Stereo Glasses are available for purchase for \$35, if ordered by October 20, 2001. If you have your own pair, please bring them to use at the class.

Payment - Checks or credit cards only (MasterCard and Visa, not American Express). Registration payments will NOT be accepted at the door. The registration form is available on line at www.grac.org

The Day America Cried; SEPTEMBER SECTION MEETING NOTES

The September meeting was canceled due to the terrorist attack on New York's World Trade Center, the Pentagon and the plane crash in Pittsburgh. My heart-felt condolences go out to anyone who lost a loved one or friend that day. I have family and friends in the New York and Pennsylvania areas, but they were gratefully safe from harm. I, like everyone I know, cried for the loss, the horror and the heroism. We are trying to reschedule the September speaker for a later convenient date.

Even though every person in America has been adversely affected in one way or another by this tragedy, I believe it is a good opportunity to reestablish our goals and set our resolve to make light of the importance of our professions, geology and geotechnical engineering. Our skills will be called upon to help rebuild and improve our countries infrastructure. We need to remember how much our loved ones mean to us. Give what you can and do what you can, even remember charity begins at home. Is there someone you know who needs a helping hand or a shoulder to cry or lean on?

There is much left to recover from. There is much to do and plan. But, I believe that we can all stand strong, do what needs to be done and survive the subsequent changes in all of our lives.

Lisa Paulick
Section Secretary

NEWSLETTER STATUS – YELLOW ALERT!

PLEASE NOTE: There is not yet a permanent replacement for Newsletter editor. If you would like to volunteer to be the Newsletter Editor for the 2001-2002 term, please contact Lisa Paulick (lisa@geekhold.com) or Gretchen Mora (510-713-8136). **Note:** Webmaster for the Section website is still open. Gretchen could REALLY use a break. To discuss the officer/staff opportunities available, please contact Past Chair Gary Pischke at 510-353-0320 or by email at: pishbert@ix.netcom.com.

Field Trip Chair Report

To date, one field trip has been held in 2001. The June 2nd field trip was to the Caldecott Tunnel and provided a behind the scenes tour of the tunnel operations. Geologic input regarding the existing three tunnel bores as well as the proposed fourth tunnel bore was provided by Caltrans geologists. The trip was sold out with a total of 51 participants and netted \$375.00 profit for the section. Kudos to Gretchen Mora for helping with the field trip announcement and posting photographs from the trip on the section website.

A field trip to the Black Diamond Mines was tentatively scheduled for this fall but was postponed until spring due to schedule conflicts with the field trip leaders. There has been tremendous interest in this field trip and would likely provide some much needed revenue for the section. Stay tuned to the newsletter and field trip page on the section website for details.

Suggestions for field trips are always welcome. Please contact me should you have ideas or would like to help out with field trip planning.

Drew Kennedy
Field Trip Chair
650.551.1210
north35west@earthlink.net

NEW SHORT COURSE ANNOUNCED

Sandy Figuers has agreed to do a short course on balanced cross sections. The matter of applicability to evaluation of landslide slip plane geometry will be addressed. Date and venue to be determined.

And, a course on logging of exploration boring is being planned...probably late fall-early winter, as soon as the putative instructor's work load drops from very busy to merely busy.

Please forward all suggestions for or offers to teach/lead interesting short courses to: esolo@earthlink.net.

ERNEST SOLOMON,
Short Course Chair

ROTARY IN ICELAND

Would you be interested in a month-long, all-expense-paid, "working" vacation in ICELAND? We are assembling a group of four individuals from the Bay Area to visit Iceland for the

month of May, 2002, for a cultural exchange. All expenses paid by Rotary Clubs of the Bay Area. The "work" that you would be asked to do would be to study up on the geography, demography, etc., of Iceland, meet a group of Icelandic citizens visiting here in April on the flip side of the cultural exchange, and then travel under the leadership of a Bay Area Rotary Club member to visit prominent locations in Iceland, gain an understanding of their way of life, share your way of life with them in whatever ways you choose, and become a friend to many, many people. You would stay with in-country Rotary Club families, moving to a new town every 3, 4 or 5 days, and be entertained everywhere you go, sometime twice a day! They recognize more than we do that geology is an important factor in their world; your knowledge and experience would be a great asset. Call Peter Anderson at Pacific Geotechnical for more info (408-778-2818). You cannot be a Rotary Club member.

Managing California's Groundwater: The Challenges of Quality & Quantity

WASHINGTON LICENCING FOR GEOLOGISTS

Just a reminder that the State of Washington is now accepting applications for geologist licensing, with specialty licenses available in engineering geology and hydrogeology. All licenses must be issued under the grandparenting provision of the geologist licensure law by June 30, 2002. On and after July 1, 2002, applicants must pass a test prior to being issued a license. Please go to: www.wa.gov/dol/bpd/geofront.htm a geologist's web page which provides additional links to application forms and instructions, as well as the law and rules.

Ken Neal

The 23rd Biennial Groundwater Conference and 10th Annual Meeting of the Groundwater Resources Association of California

October 30-31, 2001 at the Radisson Hotel in Sacramento, CA

The recent events in America have diverted our attentions from our usual activities. The Planning Committee of the Biennial Groundwater Conference has extended the early registration deadline to allow you to register for the Conference at the regular rate through October 29. A late fee of \$55 will be applied to walk-in registrations. We encourage you to join us at this important event that will address groundwater issues in California.

For 46 years, the Biennial Groundwater Conference has provided policy-makers statewide the opportunity to learn about the current issues affecting the use of groundwater in California and has been a continuing forum for educators, researchers and practitioners to discuss issues critical to the management of groundwater in California.

Venue: Forty-eight invited speakers will be featured in

concurrent policy and technical sessions focusing on the following issues and topics: Groundwater Quality, Groundwater Quantity, New Tools for Groundwater Management, Watershed Effects on Groundwater, Emerging Contaminants, Development of Impaired Groundwater, Groundwater Treatment and Remediation, and GIS For Hydrologic Applications. Click For Brochure / Registration Form (PDF File).

Poster Presentation: Registered participants are invited to present posters summarizing results of their professional work that are relevant to groundwater issues in California.

Sponsors: University of California, California Department of Water Resources, California State Water Resources Control Board, Groundwater Resources Association of California, Water Education Foundation, and U.S. Geological Survey. Click For Sponsorship & Exhibitor Opportunities (PDF File)

Cooperating Organizations: International Association of Hydrogeologists, Association of California Water Agencies, California Groundwater Association, National Ground Water Association, Natural Resources Section - California State Bar

Co-chairs of the Organizing Committee: Carl Hauge, Chief Hydrogeologist for the California Department of Water Resources; Rita Schmidt Sudman, Executive Director of the Water Education Foundation; and Vicki Kretsinger, a Director of the Groundwater Resources Association of California.

Save \$55 if you register by October 29, 2001! The complete program and registration information is available at conference web sites: <http://www.grac.org/Biennial.html> and <http://www.waterresources.ucr.edu>. For more information, contact Pamela Dick at the UC Center for Water Resources, (909) 787-4327 or pamela.dick@ucr.edu.

AEG PARTICIPATION AT THE GSA CORDILLERAN SECTION MEETING, MAY 2002

AEG will be participating at the GSA Cordilleran Section Meeting in Corvallis, Oregon, May 13-15, 2002. A preliminary announcement will be forthcoming in an upcoming GSA Today publication.

This notice is a feeler to determine what the level of interest might be for participating in a special session on engineering geology of landslides. If you are interested in participating in a landslide theme session at this conference, please contact Scott Burns ([503-725-3389](tel:503-725-3389), burnss@pdx.edu) or Charlie Hammond ([503-452-1200](tel:503-452-1200), charlieh@landslidetechnology.com). The proposed theme session information is as follows:

ENGINEERING GEOLOGY CASE HISTORIES OF LANDSLIDES GSA Engineering Geology Division; Association of Engineering Geologists

Scott Burns, Portland State University, Portland, OR, and Charles Hammond, Landslide Technology, Portland, OR

Landslides are intimately connected to geology, and engineering geologists are a critical part of landslide investigation, modeling, analysis and mitigation. Experienced practitioners will provide

insights into critical issues of landslide evaluation, and case histories covering a variety of landslide impacts at various levels of owner requirements.

CONCEPT OUTLINE FOR THEME SESSION

Presentations could include one or more of the following topics:

Introduction:

When are Slides a Risk to Man and/or Environment, Understanding Owners Needs and Abilities, Mapping and Modeling, Methods of Investigation and Monitoring, Stability Analysis and Understanding Factor of Safety, Mitigation Techniques

Setting:

Home, development, railroad, highway, forest, utility (gas, water, power, other), marine, mining, other

Level of Evaluation:

Seat-of-the-Pants, Limited/Specific, Thorough, Cost is Not an Issue

Other topics are also encouraged.

SPONSORS SOUGHT

If you would like to present your company services or products that may be of interest to the geotechnical community, become a Monthly Section Meeting Sponsor! Give a quick presentation of your company before the main speaker at the monthly meeting, get free advertising in the newsletter and website, and reap the benefits of exposure! Contact Jason Preece (925-933-2900) for more information and sign up today!

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

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NOTE FROM THE NEW SECRETARY AND NEWSLETTER EDITOR

A lot of blood and sweat go into preparing the Newsletter. I'm sure if you ask Gretchen or Anne, you will hear of the differeng levels of it. Therefore, on that note, I set the stage. Just prior to the transfer of Secretarial duties, a funny thing happened. The Word document ate itself on two different systems (Thanks Microsoft!). I can relate to this, I've had to redo a Newsletter or two myself. So, what I had to go on was the current list of members' addresses and emails. It was assumed that if you had your email listed, it was acceptable to email you the Newsletter and help the organization save money. A few dollars here and there adds up. If you have been emailed this edition, and have previously requested it be snail-mailed, I ask that you send me the request again. The problems will soon be adjusted, and I am creating a new database, which hopefully will not crash, since it will be created as a hardcopy as well. Thanks for your patience!

Lisa Paulick
2001-2002 San Francisco Section Secretary
(Temporary?) Newsletter Editor

EMPLOYMENT

STAFF ENGINEER & FIELD TECHNICIAN

Harlan Tait Associates, a firm of consulting geotechnical engineers and geologists headquartered in South San Francisco (www.htageo.com), is seeking a Staff Engineer and a Field Technician. The Staff Engineer position requires a Masters Degree in Geotechnical Engineering and a desire to face geotechnical challenges throughout the greater Bay area. The Field Technician position requires at least 2 years experience in field compaction control,

performance of related soils testing, and certification for use of a nuclear density gauge. Send resumes to Tom O'Brien, HTA, 130 Produce Avenue, Suite E, South San Francisco, CA, 94080, FAX 650-737-5441 or tobrien@htageo.com

PROJECT MANAGER/TECHNICAL OPERATIONS MANAGER

Edd Clark & Associates, Inc. is a small environmental consulting firm headquartered in Cotati, CA. We have an opening for a Project Manager and possibly Technical Operations Manager. Minimum requirements are, State registration as a geologist, hydrogeologist or engineer and experience managing soil and groundwater investigations and/or remediation projects. We prefer a team player that functions well with a small office environment. We also prefer that the applicant is a good writer. Salary and benefits are comparable with other Bay Area environmental firms, but will depend on qualifications and experience. Send resumes by fax to: 707-792-9504 or e-mail us at: rosalind@ecaenviron.com.

PROJECT MANAGER

Edd Clark & Associates, Inc. is also looking for a Project Manager for soil and groundwater investigations and remediation projects. Require B. S. in geology or related environmental science and 5 to 10 years related experience. Prefer: CA RG with good technical writing abilities and environmental consulting experience. Come live and work in the wine country. Fax resume to: 707-792-9504 or e-mail

rosalind@ecaenviron.com.

REGISTERED GEOLOGIST WANTED

We are actively seeking a Registered Geologist to come on board with our firm for a one to two year project in the Oakland/Richmond area. This is a high profile, public works project. Duties to be performed by the geologist are expected to include field classification, logging, and possible sampling of excavated and exposed soil during earthwork operations. Additional skills desired include good technical writing abilities and construction grading, drilling and earthwork experience. Specific experience with Franciscan Formation geologic unit is preferred.

This is an excellent opportunity for a team player that can also work independently! Salary is negotiable and will be commensurate with duties and experience. For immediate consideration, please contact the undersigned.

Doug Provins
R. Douglas Provins, PE
Vice President, Engineering Division

"G" FORCE

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TENURE TRACK POSITION IN ENGINEERING /
ENVIRONMENTAL GEOLOGY

The Department of Geosciences at San Francisco State University invites applications for a tenure-track faculty position at the assistant professor level in engineering/environmental geology, beginning August 2002. The position requires a Ph.D. in geology and a strong commitment to excellence in teaching at the graduate and undergraduate levels. We seek someone to teach advanced-level engineering geology courses and general education courses in natural hazards or earth systems. We also seek someone with training in surficial processes or geophysics who can contribute to courses and advising in one of these areas. The successful applicant will be expected to maintain an active research program that involves graduate and undergraduate students. Preference will be given to those who have applied experience with a geotechnical or environmental firm, strong quantitative skills, teaching experience, and interdisciplinary interests that include other geoscience fields.

The Department of Geosciences includes geology, meteorology, and oceanography and consists of 13 faculty members from these fields. The department offers BS and BA degrees in Geology, a BA degree in Meteorology, and a MS degree in Applied Geosciences.

San Francisco State University, a member of the California State University system, serves a multi-cultural, ethnically diverse student body of 27,000 students, offering bachelor's degrees in 117 academic areas and master's degrees in 95 fields of study. Excellence in teaching is the University's primary mission, although SFSU faculty are expected to demonstrate continued professional achievement and growth through research, publications, and community involvement.

To apply, send a curriculum vitae, a statement of teaching and research interests, and names and addresses of three references to: Lisa White, Dept. of Geosciences, San Francisco State University, San Francisco, CA 94132. Applications should be received before January 15, 2002. San Francisco State University is an Equal Opportunity / Affirmative Action employer.

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SENATE BILL 136

SB 136 (Figueroa) is the number on the proposed legislation that includes the language for the Board's Revised Act. The Revised Act was discussed at many Board and Technical Advisory Committee meetings over the last two years, and still may be commented on by any individual or group while it is being considered by both bodies of the Legislature. For the complete text of this bill, you may go to leginfo.ca.gov on the Internet.

**Lisa Paulick
34892 Sea Cliff Terrace
Fremont, CA 94555**

**AEG November Newsletter
November 13 – Monthly Section Meeting
Spenger's, Berkeley**

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

**RESERVATION FORM – November 13, 2001 AEG Dinner Meeting, 6pm
Spenger's, Berkeley**

Please fax your reservation to arrive before *noon*, Friday, November 9th

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

Make checks payable to: AEG SF SECTION

NAME _____ COMPANY _____

TELEPHONE NO. _____ NO. OF PEOPLE _____

PLEASE CHOOSE AN ENTRÉE: CHICKEN FISH VEGETARIAN

PERMANENT RESERVATION FORM

AEG San Francisco Section Monthly Dinner Meetings are usually but not always on the 2nd 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
