



ASSOCIATION OF ENGINEERING GEOLOGISTS

Southern California Section

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

NEWSLETTER - MARCH 2004

Date: Tuesday, March 9, 2004
Location: Steven's Steak House, 5332 Stevens Place, Commerce, California
Time: Social Hour: 6:00 p.m.; Dinner: 7:00 p.m.; Presentation: 7:45 p.m.
Reservations: Call (949) 253-5924 ex 564, or email Brian Villalobos, by 5:00 p.m., Friday, March 7, 2004

\$25 per person with reservations, \$30 at the door; \$12 for students with valid student ID.

Speakers: Paul Frost and Mark Gamache, Engineers, California Division of Oil, Gas and Geothermal Resources

Title: Urban Development of Oil Fields in the Los Angeles Basin Area, 1983 to 2001

Abstract: Since the inception of the Department of Conservation, Division of Oil, Gas, and Geothermal Resources (division) Construction-Site Plan Review Program in 1983, division staff has reviewed over 2,300 construction-site projects in the Los Angeles Basin area. The program is an integral part of building and safety procedures for urban development of oilfield properties. Under its auspices and before issuing building permits, local permitting agencies review and implement the division's pre-construction, oil well recommendations and requirements. Interaction between local permitting agencies and the division helps resolve land-use issues and allows for responsible urban development of oil field properties.

The division maintains construction-site project data in a computer database and in paper files. Statistics of oil-well proximity to proposed structures come from that data and are tabulated by oil field. The results suggest there are three types of urbanized oil fields in the Los Angeles Basin area. "Type 1" oil fields are in densely urbanized areas. Building activity is characterized by additions to existing structures and/or replacement structures. "Type 2a" oil fields are in transitional areas with dense urbanization, but with small parcels and single lots still available—primarily for residential development. "Type 2b" oil fields also are in transitional areas, but the small parcels still available are primarily for commercial or industrial development. "Type 3" oil fields are in areas with recent urbanization and large-parcel development. This information may prove valuable to local permitting agencies, oil operators, developers, real estate brokers, property owners, and the general public.

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Biographical Information:

Paul Frost is an Associate Oil and Gas Engineer in Cypress with the California Division of Oil and Gas. He currently is assigned to the Environmental Section overseeing CEQA reviews, lease inspections and environmental concerns of the division. He received an Associate of Science degree from Cypress College in 1978 and a Certificate in Hazardous Materials Management from University California Irvine in 1993. Paul worked as a production and environmental assistant with Tidelands Oil Production Company from 1979 to 1998. He came to the division in April 1999.

Mark Gamache is an Associate Oil and Gas Engineer in Cypress with the California Division of Oil and Gas. He currently is assigned to the Environmental Section overseeing the idle well and pipeline management programs. He received a Bachelor of Science degree in Zoology from Washington State University in 1977, a Bachelor of Arts degree in Allied Health Science from Central Washington University in 1983, a Master of Science degree in Geology from Washington State University in 1986, and an Associate of Science degree in Environmental Hazardous Materials Technology from Bakersfield Community College in 1992.

CHAIR COLUMN (by Tania Gonzalez)

AEG's Southern California Section includes members from San Luis Obispo to San Diego, and inland to the Arizona and Nevada borders. This large geographic region makes it difficult for many of our members to attend the meetings at our usual venue, near Los Angeles. Many of the members that responded to the Strategic Planning survey indicated that this was a concern that needed attention. Because this is an issue that many other AEG sections also have to deal with this. In fact, many other sections' geographical areas stretch across several states.

AEG has started to form chapters within sections. Becky Roland at the AEG's office in Denver tells me that in Southern California there seems to be interest in forming a San Diego chapter. If this is the case, and there are members in the San Diego region that would like to take on the job of forming a chapter, please let me know. Several of our members are also concentrated in the north Los Angeles - south Ventura counties region. Perhaps members in this area are also interested in forming a chapter? This means that you would organize your own local meetings and otherwise manage your own money, field trips, and similar activities.

In April we will meet jointly with the South Coast Geological Society. The meeting will be held in the South Orange County area. I hope that we get a large audience for that meeting. The tentative subject of that evening's presentation is the December 27, 2003 earthquake in Bam, Iran. As soon as we have more information about our April meeting, including location, we will let you know. In May we will meet back at Stevens Steakhouse. That meeting will be a fundraiser for the California Council of Geoscience Organizations (CCGO), and the guest speaker will be Dr. Tanya Atwater.

CCGO organizes a yearly drive-in to Sacramento, where they meet with legislators. This year's drive-in will occur on March 30, and the subjects that they will be discussing with lawmakers include seismic safety, geologists' registration, groundwater resources, and science education.

If you are interested in learning more about CCGO's activities, and perhaps even participate in the drive-in, visit www.ccco.org. Their website also includes a summary of bills currently being considered in Sacramento that have the potential to impact our profession.

Don't forget to send me materials or information I can use for the Southern California Section news in the AEGNews. If you have material to contribute, please forward it to me at tgonzalez@earthconsultants.com.

Thank you.

NEW MEMBERS of the SO. CAL. SECTION

Please help me WELCOME the following new members of our section. Many of the new members are the students that presented at our December meeting. It's great that you joined! New members, we hope to see you at future meetings where I hope you introduce yourself to the group.

Mike Mulhern	Jennifer Barr
Rick Viergutz	Christopher Heron
Geir Mathisen	Robert Wheeler
Lawrence Levee	Kimberly Mahr Hill
Karin Vazquez	Jonathan Sanks - Student
Cameron Kennedy	Kevin Marler
Andrew Harris	Faten Khatib
Winnie Yeh	Marlene Duffy
Holly Caprio	Matthew Sedor
Scott Bennett	

2004 MEMBERSHIP RENEWAL

You should have received your 2004 dues statement from AEG Headquarters by now. If you have not received it, or are unsure about your membership status, please contact AEG Headquarters at www.aegweb.org/, or Tania Gonzalez. You can now conveniently renew your membership online by going to aegweb.org.

We are also currently looking for a new Membership Chair. Please contact Tania Gonzalez you wish to volunteer.

2003-2004 CONTRIBUTORS (Thank You!)

**Earth Consultants International & Eldon Gath
Joe Cota**

YEAR 2004 CONTRIBUTORS NEEDED

Contributions from corporations and individual members for 2004 will be greatly appreciated. Contributors will be listed in our newsletter throughout the year and can post their logo or business card in the newsletter if so desired. Please mail contributions made out to **AEG** to our section chair, Tania Gonzalez.

NEWSLETTER ADVERTISING

Business Card	\$10/month	\$100/year
1/2page	\$20/month	\$200/year
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Full page	\$50/month	\$500/year

ENGINEERING GEOLOGY PRACTICE IN NORTHERN CALIFORNIA

Edited by Horacio Ferriz and Robert Anderson, 2001, CGS Bulletin 210, AEG Special Publication 12, 658 pgs.

Modeled after the 1992 publication, *ENGINEERING GEOLOGY PRACTICE IN SOUTHERN CALIFORNIA*, edited by B.W. Pipkin and R.J. Proctor; this new publication contains an overview of Northern California Geology. Indexed topics include landslides, faults, facilities (landfills, dams, bridges, and plants), tunnels, transportation, residential, and a "kaleidoscope" section related to environmental and seismic issues. It also contains a few projects from Southern California.

This publication is a must for your reference library. If you are interested please contact William Godwin, SF-Section Chair at whgodwin@mactec.com, or phone (707) 793-3841. The publication cost is \$85.50 + \$6.50 shipping to AEG members. Please send check payable to AEG "SF-Section"

EMPLOYMENT OPPORTUNITIES, OTHER**PAI Corp. (3-04)**

PAI Corporation is currently seeking a Hydrogeologist to assist in its environmental protection and restoration program at the NASA Ames Research Center in Mountain View, California. The incumbent works as part of a team to support the NASA Ames Research Center's Environmental Program. This is a senior level position. Job qualifications include, but are not limited to, the following:

- 1.) Bachelor's degree in hydrogeology, geology, or engineering, and 5 to 10 years relevant experience.
- 2.) Knowledge of general computer applications plus hydrological modeling, databases and GIS.
- 3.) Excellent verbal and written communication and organizational skills.
- 4.) Detail-oriented team player willing to support diverse environmental program responsibilities.
- 5.) Ability to understand the environmental issues affecting NASA Ames Research Center.
- 6.) Ability to perform fieldwork, including the collection of groundwater and/or soil samples.
- 7.) Knowledge of EPA analytical methods.
- 8.) Ability to work on multiple projects of varying priorities.
- 9.) Knowledge of federal, state of California, and local environmental laws and regulations and standards.

This is a summary statement of the responsibilities and qualifications for this position. PAI Corporation offers an excellent starting salary and benefits package. For consideration, please email your resume and salary requirements to job4001@paicorp.com. PAI Corporation is an Equal Opportunity Employer. A Comprehensive benefits package is included.

Company Job ID: 4001
 Job Title: Hydrogeologist
 Location: San Jose, CA (NASA Ames Research Center, Mountain View, CA)
 Company Homepage: www.paicorp.com
 Contact: HR Manager
 By E-mail: job4001@paicorp.com

Gold Coast GeoServices, Inc. (3-04)

Gold Coast GeoServices, Inc., in Camarillo has job openings for engineering geologists, geotechnical engineers, and soils technicians/laboratory technicians of all levels. Prior work experience or college level experience in Ventura and Los Angeles Counties is preferred. Please email resume with experience and qualifications to general@goldcoastgs.com , or fax to 805-484-4295.

Hargis + Associates, Inc. (3-04)

Hargis + Associates, Inc., a San Diego based consulting firm specializing in hydrogeology and engineering, currently has opportunities in both our Mesa, Arizona and San Diego, California offices. We are currently looking to fill the following positions:

Staff Hydrogeologist–Modeler: Candidate would possess a M.S. Degree in Hydrogeology, and 2 to 4 years relevant experience, including experience with groundwater modeling and GIS. Candidate should possess strong writing and presentation skills. California registration is a plus. OSHA 40-hour training preferred, but not mandatory. Position may be based in San Diego, CA, or Mesa, AZ. Some travel may be required.

Entry Level Engineer: Candidate would possess B.S. Degree in Chemical, Civil, or Mechanical Engineering. Position will be based in San Diego, and may require some travel and field work. OSHA 40-hour training preferred, but not mandatory.

Staff Engineer: Candidate would possess B.S. Degree in Chemical, Civil, or Mechanical Engineering and EIT Certification, and two to four years of relevant experience, including design, operation, and maintenance of remediation systems. Masters degree and registration is a plus. Candidate should possess strong writing and presentation skills. Position will be based in San Diego, and may require some travel and field work. OSHA 40-hour training preferred, but not mandatory.

Senior Engineer: Candidate would possess B.S. Degree in Civil Engineering and registration in Arizona with ten+ years of relevant experience, including design, operation, and maintenance of remediation systems. Masters degree and/or California registration is a plus. Strong leadership, writing and presentation skills required. Position will be based in Mesa and may require some travel and field work. OSHA 40-hour training and MSHA training preferred, but not mandatory. Excellent opportunity for an experienced, registered Arizona Civil Engineer.

Hargis + Associates offers competitive salaries and benefits, and a challenging work atmosphere. Hargis + Associates is an Equal Opportunity Employer. To learn more about Hargis + Associates, please visit our website at: www.hargis.com. Qualified candidates should send resumes, along with a cover letter summarizing experience and salary requirements to:

Hargis + Associates, Inc.
 Attention: Kim Stransky
 2365 Northside Drive, Suite C-100
 San Diego, CA 92108

TURN-KEY ENGINEERING GEOLOGY BUSINESS (2-04)

Thriving 16-year old consultancy for sale by founder who is moving out of state mid April. Located in beautiful Santa Cruz

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GREAT opportunity for California Certified Engineering Geologist. \$75K or best offer. Call: Cynthia Deno at (831) 335-7024 or (831) 295-2083 (cell); Fax: (831) 335-5327; Email: cynthia@surfnetusa.com

Ecology and Environment, Inc. (1-04)

Ecology and Environment, Inc., an international consulting firm, is seeking a geologist to fill an USEPA emergency response contract position in Long Beach or San Francisco, California. The candidate will be field-oriented with hazardous materials experience. The applicant must possess a minimum Bachelors in Geology or closely related field with at least two years experience and OSHA 40 hour training. Field experience will consist of multimedia environmental sampling, experience with air monitoring instrumentation, subsurface sampling and logging plus driller subcontractor oversight. The applicant will have experience in writing sampling/work plans, disseminating data, and preparing final reports. The candidate will have a working knowledge of environmental regulations and USEPA analytical methods. The position requires periodic travel and on-call pager duty, office and field work related to hazardous materials investigations and removals. Emergency response, counter terrorism, GIS/GPS and radiation experience desired. Salary is dependent on relevant project experience.

Send resumes, cover letter and salary expectations to: Caren Welch at cwelch@ene.com or fax to (562) 435-6687. Please refer to our website for more information on our company at www.ene.com. No phone calls please. AA/EOE.



Petra Geotechnical, Inc. is currently seeking **geotechnical engineers, geologists, soils technicians, and deputy inspectors** at their Costa Mesa, Murrieta, San Diego, and Santa Clarita offices. Petra is a geotechnical, environmental, and materials testing firm that has provided professional earth science services throughout southern California since 1975. Typical projects include residential developments, commercial structures, educational and infrastructure facilities. We offer competitive salaries, excellent benefits, a comfortable working atmosphere, and a pleasant commute! Please submit your resume with references to Ms. Jennifer Griffin at email address jgriffin@petra-inc.com, fax number 714.668.3770, or mailing address 3185-A Airway Ave., Costa Mesa, CA 92626

ENSR International (12-04)

ENSR International is currently we're looking for talented professionals who are interested in working on an exciting project in our Sacramento, Alameda, Santa Ana, and Camarillo, CA locations. To learn more about ENSR and other career opportunities, please visit our website at www.ENSR.com.

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TITLE / DESCRIPTION	PRICE	QTY	TOTAL
Baldwin, J.E. and Sitar, N., 1991, <u>Loma Prieta Earthquake: engineering geologic perspectives</u> , AEG Special Publication No. 1, 170p	\$10.00		
Bishop, K, and Tandy, 1995, <u>Ground Failure during the January 17, 1994 Northridge earthquake</u> ; Association of Engineering Geologists, Southern California Section, Annual Field Trip Guidebook, November 11, 1995, 106p.	\$20.00		
Briggs, R.P. and Parke, C.D., 1990, <u>Guide to Field Trips in Pennsylvania, Ohio, and West Virginia</u> , AEG 33 rd Annual Meeting, October 1-5	\$15.00		
<u>Highway and Railroad Slope Maintenance</u> : AEG, 34 th annual meeting, September 29 th – October 4 th , 1991	\$10.00		
Leighton, F.B. <u>Mitigation of geotechnical litigation in California</u> ; Munson Book Associates, Huntington Beach, California, 274p.	\$20.00		
Sieh, K.E., and Matti, J.C., 1992, <u>Earthquake geology, San Andreas fault system, Palm Springs to Palmdale</u> ; AEG, 35 th Annual Meeting, Field Trip Guidebook, October 3-4, 1992	\$10.00		
Stout, M.L., ed., 1992, <u>Proceedings of the 35th annual meeting, Association of Engineering Geologists</u> , October 2-9, 1992: 740p.	\$5.00		
Tepel, R, 1995, <u>Professional Licensure for Geologists, an Exploration of Issues</u> , Association of Engineering Geologists Special Publication No. 7, 1995	\$12.00		
Cann, L.R., Cobarrubias, Hollingsworth, B., 1992, <u>Engineering Geology Field Trips Orange County, Santa Monica Mountains, and Malibu</u> ; AEG 35 th Annual Meeting, Field Trip Guidebook, October 2-9, 1992	\$10.00		
<u>Los Angeles Metro Rail System Field Trip Guidebook</u> , Association of Engineering Geologists, 35 th Annual Meeting October 2-9, 1992 Long Beach, California	\$10.00		

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