



ASSOCIATION OF ENGINEERING GEOLOGISTS

Southern California Section

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

NEWSLETTER - FEBRUARY 2004

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Tania Gonzalez
714-412-2654

tgonzalez@earthconsultants.com

VICE CHAIR

Matthew Hawley
(805) 579-3434

mhawley@lgcgeo.com

TREASURER

Brian Villalobos
(714) 549-8921

bvillalobos@petra-inc.com

SECRETARY

Jeff Kofoed
(818) 889-0844

jkofoed@hotmail.com

Date: Tuesday, February 10, 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.,
Sunday, February 8, 2004
Cost: \$25 per person with reservations, \$30 at the door; \$12 for students
with valid student ID.
Presenter: Mr. David Simon, AEG President
Topics: "A Truly Viable Association Once Again" and
"Holocene Faulting Near Piute Dam, Piute County, Utah"

First Talk

Three years ago the Board of Directors and Executive Council became painfully aware of two fundamental facts: 1) that significant change and reorganization was necessary for the financial survival of the Association, and; 2) implementation of change was required immediately. These changes began during Myles Carter's term (2001-2002), were carried on by Scott Burns' (2202-2003), and continued into my term as President (2003-2004). The changes included the establishment of our new headquarters in Denver, formation of a new publications board, development of a new fiscal year, creation of new awards, inauguration of the first Shlemon Specialty Conference (May 31-April 3, 2004), electronic publishing of the Environmental and Engineering Geoscience Journal ("GeoScience World"), placing the AEG's Geology of the Cities of the World and selected Special Publications on CDs, development of new Vision, Values, and Mission statements for the AEG, and implementation of new strategic plans for our Engineering Geology Foundation and the AEG.

Today we can proudly notify the membership that the Association is financially healthy and governance is at an unparalleled level of excellence. The Board of Directors and Executive Council have successfully developed a governance structure that once again represents the membership nationally. Current AEG President David Simon will summarize the changes of the past few years, present a summary of Association finances, discuss the goals of the recently completed Strategic Plan, and the value of why all members should contribute to the Engineering Geology Foundation.

Second Talk

We document a previously unrecognized Holocene fault close to the 95-yr old Piute Dam, a 27-m high earthfill structure on the Sevier River, 7 km north of the town of Junction in Piute County, Utah. (Continued)

The fault trends northwest, is about 6 km west of the probable Holocene, Northern Sevier Fault (NSF), and is informally named the "Piute Dam Access Road Fault" (PDARF) based on proximity to Piute Dam. Trench exposures, soil-stratigraphic dating of regionally extensive fluvial fill terraces, and paleo-hydrologic age assessments indicate that the PDARF was the locus of at least four paleoseismic events in about the last 35 ka. Apparent vertical displacements range from 2.5 to 15 cm, with recurrence of about 8 ka. The most recent 2.5 to 5 cm offset took place approximately 8 ka ago. The penultimate event likely occurred about 14-18 ka ago; and two pre- penultimate displacements probably took place about 24 and 32 ka ago, respectively.

The northwest trend and apparent component of right-lateral slip suggests that, in the present regional stress regime, the PDARF responds co-seismically with earthquakes along nearby faults of more regional tectonic significance, such as the NSF and the adjacent Piute Reservoir Fault Zone. The relatively small slip per event indicates that the PDARF probably responds only to approximately M 6.5 or higher (general threshold for surface rupture) earthquakes along the more regional faults. The PDARF slip history is therefore one of relatively frequent but low magnitude displacements in late Quaternary time.

David B. Simon, 2003-2004 AEG President – Mr. Simon is a Southern California native that holds a BS from the University of California at Santa Barbara. He began his consulting career locally, and now has over 22 years of experience as a Consulting Engineering Geologist. He is currently a Principal Partner with the firm of Simon • Bymaster Inc., a Geologic, Environmental, and Geotechnical Consulting firm in Salt Lake, Utah, where he can regularly practice his other passion - skiing.

His professional registrations include: Certified Engineering Geologist, California; Registered Geologist, California, and Professional Geologist, Wyoming. Mr. Simon's professional activities include: AEG - Program Committee Chairperson - Utah Section 1993-95; Chairperson - Utah Section 1995-97; Board of Directors - Utah Section 1997-99; Short Committee Chairperson - Utah Section 1999-Present; Co-Chairman of the 42nd Annual Meeting of Salt Lake City, Utah, September 1999; Field Trip Leader Kennecott Mine Field Trip, 42nd Annual Meeting of Salt Lake City, Utah, September 1999; FEMA Project Impact 2000 Programs – Washington, D.C., invited speaker, Salt Lake City, Natural Hazards Ordinance Committee & Earthquake & Liquefaction Committee; Committee Member, Utah Geological Survey Geologic Mapping Division Advisory Committee, 1997-99; Invited Speaker, BYU Geological Science Department's Distinguished Lecture Series, 1999; AEG's Executive Council, 2000 - Present.

CHAIR COLUMN (by Tania Gonzalez)

To all the Southern California members of AEG who responded to the on-line survey on the current and future effectiveness of AEG – THANK YOU!! Typically, a 10 percent response to these kinds of surveys is expected, but we had more than 30 percent of our members participate! Look for a report summarizing the results of this survey in future editions of this newsletter, and in the *AEG NEWS*. Even though the final survey report is still being finalized (the open-ended questions alone generated about 50 pages of small-print responses), the Strategic Planning committee have already been hard at work translating your comments and suggestions into goals for the organization. Mr. Simon will be presenting these goals in his talk to our group next week. We have identified several areas where we will need volunteers to implement these goals – if you want to become a more active member of AEG, come to the meeting, identify a goal close to your heart, and let me know how you want to help.

Please mark your calendars! In March, our guest speakers from the California Division of Oil and Gas will discuss the latest recommendations by the Division for developments with oil well easements. This is a hot topic for developers, as it has significant economic implications. You may want to bring some of your clients along for that presentation also. Our guest speaker for May will be Dr. Tanya Atwater. We will inform you on the subject of her presentation as soon as possible.

As I indicated in the January newsletter (which you can revisit at www.aegsc.org), I would like to start submitting Southern California Section News for publication in the AEGNews. We have not been doing this for years, I believe. However, here is the catch. To do so, I need you to provide me with information for the column: Projects that your firm is working on that you want to share with everybody; new divisions or personnel in your office (perhaps a new division head, or a new service that your firm or office provides); and technical successes that are newsworthy. Check the other sections' columns for ideas. I don't think that summarizing our meetings is very exciting, as this information is already available in the Section newsletters and our Section's website. If you have material to contribute, please forward it to me at tgonzalez@earthconsultants.com. Thank you.

I hope to see you on February 10th!!

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 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.

NEW MEMBERS of the SOUTHERN CALIFORNIA SECTION

Please help me welcome the following new members of our section. We hope to see you at the meetings where I hope you introduce yourself to the group.

Robert Stroh	Jeffrey Wokurka
Lori Prentice	Daniel Daugherty
Teri Jenkins	Paul Peterson
Heather Hespeler	Brian Weith
Morton Price	Matthew Clarke
Jonathan Miller	Rick Viergutz
Doug Peeler	
Avi Schwartz	

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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**TURN-KEY ENGINEERING GEOLOGY BUSINESS**

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

- Excellent reputation
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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.

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

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.

ENV America Incorporated

ENV America Incorporated, an environmental engineering, consulting and remedial construction company is seeking project-level geologists for offices in Irvine and San Francisco. The ideal candidate would have 4 to 10 years of experience; possess excellent writing and communication skills, degree in geology, and a willingness to periodically travel. Professional registration in California is a plus. Resumes should be sent via email to jarwood@envamerica.com.

Leighton and Associates

Leighton and Associates is seeking to fill the two positions, Project/Senior Project Geotechnical Engineer and Project/Senior Project Geologist. The employee should have PE/GE or RG/CEG registrations; 5 years of project management experience for public works and commercial/residential land development and construction projects; experience managing professional and field staff; skill in preparing proposals, reports and client presentations, and the talent for interfacing with clients from the sales efforts through project execution. Leighton offers a comprehensive flexible benefits package, visit our website www.leightongeo.com

Please email your resume to: HR@leightongeo.com. Mail to our corporate office at
Human Resources
Leighton and Associates
17781 Cowan Irvine, CA 92614

Geocon Inland Empire, Inc.

Geocon recently completed two moves to strengthen its presence within the inland empire of Riverside and San Bernardino Counties of California. The previous Temecula office moved a short distance to Murrieta in order to accommodate significant project and staff growth. Additionally, Geocon opened a new office in San Bernardino to serve the area along the I-10, I-215 and I-15 corridors. Both offices were incorporated as Geocon Inland Empire. The offices provide engineering consulting services to private development and public agency clients. They also maintain laboratories for soils, aggregates, asphalt and concrete.

Contact Information:

Geocon IE, Inc.

41571 Corning Place, Suite 101
Murrieta, CA 92562-7065

Robert Russell, Office Manager, PE
David Leake, Senior Consultant, PE

1802 Commercenter West, Suite H
San Bernardino, CA 92408-3301

(909) 304-2300 phone
(909) 304-2392 fax

For Details, Contact:
William R. Clevenger
Director of Business Development

Geocon
6960 Flanders Drive
San Diego, CA 92101-2974
(858) 558-6900 phone
(858) 558-6159 fax

AEG Southern California Section
J. Kofoed
31129 Via Colinas #707
Westlake Village, CA 91362

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