

ASSOCIATION OF ENGINEERING GEOLOGISTS

SOUTHERN CALIFORNIA SECTION

"Serving Professionals in Engineering, Environmental and Ground-Water Geology Since 1957"

July 1995

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- Newsletter Editor: Charles Nestle
818.458.4925
ctnestle@aol.com

This Newsletter is provided as part of your membership in the Association of Engineering Geologists. If you are not a member of AEG and would like to subscribe to this newsletter, send check or money order in the amount of \$35.00 (\$15.00 for full-time students), made out to "AEG Southern California Section", to the newsletter editor (see address on back page). **Deadline for submittal to the July newsletter: July 21**

THIS MONTH'S MEETING

July 20, 1995

Mobile Direct Push/Hydraulic Percussion Sampling and Testing Services

presented by

Tony Morgan and Bill Chilner

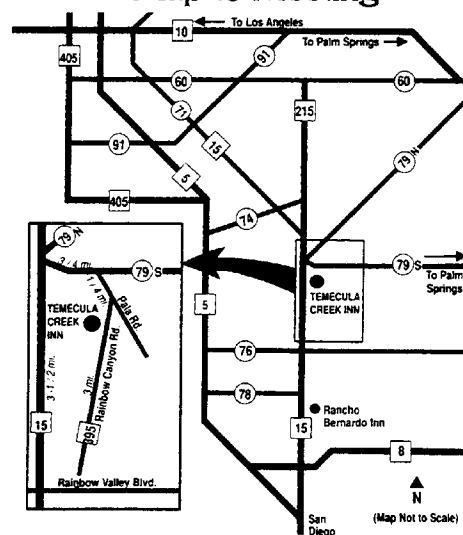
Reservations must be made by Friday, July 14!
call GeoSoils at 818-785-2158

(leave your name and the number of people in your party)

- Cost: \$22.00** (roast pork loin a jus with rosemary and garlic, mashed potatoes, choice of appetizer, dessert, and beverage)
- \$18.00** (vegetable plate with pasta, choice of appetizer, dessert, and beverage)

Happy Hour: 6ish
Dinner: 7ish
Program: 8ish

Map to Meeting



JULY PROGRAM

Mobile Direct Push/Hydraulic Percussion Sampling and Testing Services

by

Tony Morgan, RG and Bill Chilner

*Quaternary Investigations, Inc.
Colton, CA*

Direct Push/Hydraulic Percussion (DP/HP) sampling methods have been increasingly utilized over the last few years at sites involving environmental investigations as an alternative to more conventional subsurface drilling and sampling technologies (e.g., hollow-stem augers, dual-wall percussion, California-modified split-spoon samples). A single 4WD truck-mounted DP/HP rig with a two-man crew can perform the following:

- Soil Conductivity Surveys - Direct sensing of soil conductivity for lithologic interpretations without the need for boreholes or fluids to depth of up to 60 ft bgs (depending on site lithology);
- Soil-Gas Surveys - Collection of in-situ soil gases by means of expendable or retrievable sampling points;
- Soil Sampling Services - Collecting of discrete interval soil samples by means of the Geoprobe Closed Piston sampler, Macro-Core sampler, Shelby tubes, etc., without the need for pre-drilling a borehole;
- Ground-water Sampling Services - Collection of groundwater samples by means of the Geoprobe Screen Point sampler or slotted well screen (metal or PVC) without the need for installing a monitoring well; and
- Installation of air-sparge points, vapor extraction points, vacuum monitoring points for pilot-scale or full-scale vapor extraction operations, passive inlets for in-situ vapor extraction systems, piezometers and small diameter monitoring wells.



Tony Morgan is a principal at Quaternary Investigations, Inc. and is the manager of the Inland Empire Facility located in Colton, CA. He has been a registered geologist with the state of California since 1986. Mr. Morgan has over twelve years of experience in the environmental industry that spans from site investigation to remediation. He has successfully managed large multi-component projects throughout the United States.

Mr. Morgan graduated from Indiana University with a B.S. in Geology in 1979, and an M.A. in Geology with Hydrogeology and Geotechnical Engineering minors in 1984.

William H. Chilner III is a principal at Quaternary Investigations, Inc. and is the manager of the Coachella Valley Facility located in Desert Hot Springs, CA. His corporate responsibilities include all administrative, technical and marketing functions for environmental projects involving water resource, environmental investigations and remediation and field drilling programs. Mr. Chilner has over fourteen years of progressively responsible experience with managing geological, hydrogeological, and environmental projects.

Mr. Chilner received his B.S. in Earth Sciences/Water Resources from California State University, Fullerton in 1982. φ

Among the advantages for the DP/HP method are the following:

Absence of borehole cuttings; Limited site access capability; Speed of sampling; Angle boring capability; Minimal surface disturbance (an opening 1-2 inches in diameter is all that is required) (coring of asphalt or concrete to 6-8 inches is accomplished by tooling with the rig with all surface repairs made immediately after the sampling or testing event); Multiple locations at multiple depths; The utilization of all or some of the multiple services offered on one site visit; and Development of lithology-based programs.

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CHAIRPERSON'S COLUMN

by Robert A. Larson

About 55 people attended our June meeting at Steven's Steak House. Richard C. Slade discussed groundwater contamination in the San Fernando Valley. There are three Superfund sites over rather large contaminate plumes. A lot of members we don't usually see showed up and it was nice to see them again.

The Annual Meeting is coming up and you need to think about reservations at the hotels in Sacramento. You will want to make them now, so now is the time to commit to going to the meeting. A symposium on the Seawater Intrusion Barrier in Los Angeles and Orange Counties will start the meeting off following the awards ceremony. The Groundwater Resources Association will have two full day sessions devoted to groundwater issues. The Poland symposium on subsidence is going to be very large with many international speakers. Seismic risk will be the topic of another symposium. Currently there are five concurrent sessions of speakers planned. A lot of people submitted abstracts on a lot of different topics, so there is going to be something for everyone.

The Board of Registration for Geologists and Geophysicists will be having a Board meeting at our Annual Meeting. This will be an opportunity for many of you to attend a meeting and have your voice heard. Please consider doing so. The Board needs input. The next meeting of the Board, and the last one before our Annual Meeting will be Friday, August 18, in Los Angeles somewhere near LAX. You can call the Board at (916) 445-1920 for the location.

I attended the last Board meeting held in Sacramento on June 23. The Board has lost two public members, one through term expiration and one through resignation to take a civil service position. Hopefully, these positions will be filled shortly considering the upcoming SB 2036 hearings. The report mandated under SB 2036 is coming along and will be ready in time. Unfortunately, everyone found out that other attacks on the Board may occur. It seems that the Legislature is defunding some Boards and apparently the Geology Board may be defunded on Tuesday June 27, under Amendment 33 to the Budget Bill. The Board will be sending personnel to head off this problem and hopefully they will be successful. Defunding means they take your registration fees and put them in the general fund to help balance the budget. Nice to know where your money may go.

Preliminary pass rates for the March exams were posted. These are: RG - 32.1%, CEG - 54.2%, CHG - 68.5%. GP - 55.6%. These numbers may change a little as some QA/QC still needs to be done on the grading. The results will be mailed in the same week that you receive this newsletter. This will probably be the highest pass rate for CHG since so many very experienced people took the test. The next exams will be October 2-3. Cite and Fine regulations for our Board are still not approved yet. The Office of Administrative Law turned down the latest submittal over some rather minor language, but then that's what lawyers do, argue over minor language while they spent your money.

I had an opportunity to visit the Board's office for the first time. The office is extremely small and they are trying to find larger accommodations. A new office manager will be on staff shortly and the Board is trying to get a position for a registered geologist on

staff to handle the exams and some enforcement activities. They really need a staff increase of at least 3 people to handle all the work they presently do.

A ballot is included in this newsletter. I encourage voting members to send in their ballots. The change in officers will occur at the August meeting at Steven's Steak House where AEG President Dick Grey will be our speaker.

Our short course held on June 17 was a great success for those that attended. Mr. John Bachner kept us all awake and surprised many members with his thoughts on reducing liability and increasing profits. His main point was to make friends with your clients. Friends will want to work things out and not sue you. So that golf game with your client is a very important part of being a successful consultant.

With great sadness I must report the deaths of two of our Association's most prominent members, Stephen L. Garrison and C. Michael Scullin. Mr. Garrison was President of the Association in 1992. Donations may be made to the Garrison Memorial Fund at the Engineering Geology Foundation. Please read the memorial to Mike Scullin in another part of this newsletter.

The July meeting will be at the Temecula Creek Inn, the August meeting at Steven's Steak House, the September meeting at the Revere House in Tustin, and there will be no October meeting because we will all be going to the Annual Meeting. Please plan to attend these meetings now.

FIELD TRIPS!

A field trip entitled "Engineering Geology of Thrust Faulting in the Northwestern Los Angeles Basin Area" is planned for September, 1995 with a tentative date of September 6. We are interested in papers and/or field trip stops regarding the northern San Fernando Valley, Simi Valley, and southwestern Soledad Basin areas. Papers and proposed field trip stops for topics related to the engineering geologic aspects of thrust faulting in these areas will be accepted until July 1. We particularly encourage topics regarding the January 17, 1994 Northridge earthquake, but are not limiting the trip to this event. Papers and proposed stops should be submitted to: Kim Bishop, Dept. of Geology, California State University, Los Angeles, 5151 State University Drive, Los Angeles, CA 90032. Phone: 818-343-2149.

The South Coast Geological Society will be visiting the Garlock Fault for their annual Fall Field Trip. They have announced a formal call for papers to be included in their Guidebook. Articles old and new will be considered for publication. The deadline for submission is anticipated to be around the middle of August as the field trip will be the 23rd and 24th of September. For more information contact: Alan Pace (president, SCGS), Earth Tech, 2121 Alton Parkway, Irvine, CA 92714, 714-724-1776, or via e-mail at apace@aol.com. φ

SCHOLARSHIP ANNOUNCEMENT

BALLOT FOR 1995-96
AEG SOUTHERN CALIFORNIA SECTION

CHAIRPERSON

- Joseph A. Cota
 Write in _____

VICE-CHAIR

- David B. Ebersold
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TREASURER

- Mark A. Swaitek
 Write in _____

SECRETARY

- Charles Nestle
 Write in _____

Send completed ballot BY JULY 31, 1995 to:

James O'Tousa
Nominations Committee
9343 Glade Avenue
Chatsworth, CA 91311

Cut Along Dotted Line

In honor of Martin L. Stout and with his help and advice, the Martin L. Stout/SCS-AEG Scholarship was formed by the Southern California Section of the Association in 1994. The scholarship is open to all student members of the Association of Engineering Geologists. An award of \$500.00 will be given to one student member in August, 1995. Each year a similar award will be given. **Applications for the award are due July 15, 1995.** If you would like to receive an application for this award please contact Robert A. Larson, Chairperson, Southern California Section of the AEG, 6416 Woodley Avenue, #5, Van Nuys, CA 91406.

CONTRIBUTIONS NEEDED

Please consider contributing to the Martin L. Stout/SCS-AEG Scholarship. Our Certificate of Deposit is about to turn over and we would like to add as much money as possible for the next year and get the highest interest return. The fund is currently at about \$13,450. We appreciate the recent contributions of Lisa A. Rossbacher, Dallas D. Rhodes, William J. Elliott, Paul Davis and Associates, Richard E. Lownes, and Paul Merifield. φ

COMPUTER CORNER

Last month I stated that I would provide a "rather lengthy list of useful FTP (file transfer program) and Gopher sites, WWW pages, Usenet Newsgroups, and Mailing lists, that I have been collecting for sometime." Instead, check out the Home Page of Gareth Mills, MAA Engineering Consultants, Inc. This page has links to just about every geology-oriented web site you could ever possibly want. The address is: <http://www.pacificnet.net/~gimills/main/html> (be prepared to stay up all night). φ

JOB OPPORTUNITIES

Zeiser Kling Consultants, Inc. is accepting applications for the position of Geotechnical/Soil Engineer. Applicants must be a Professional Engineer (P.E., Civil or Geotechnical) registered in California. Minimum 5 to 10 years experience performing geotechnical engineering work. Candidates should possess excellent communication and writing skills. We offer competitive salary and benefits. For consideration, please send or fax resume to:

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Zeiser Kling Consultants, Inc.
3187 Redhill Avenue, Suite 135
Costa Mesa, CA 92626-3437
Fax: 714-755-1366

FOR SALE

1. CDMG Bulletin 170 Geology of Southern California
2. Submarine Geology by Sheppard
3. USGS Geologic Atlases, and MORE

Contact Jim Shuttleworth at 909-595-0206 φ

FYI

Effective July 1, 1995, fees charged by the Los Angeles County Department of Public Works for review of geology and soils reports for projects within the unincorporated territory of Los Angeles County will be as follows:

Engineering Geology Report	\$ 276.20
Soils Engineering Report	\$ 276.20
Combined Geology and Soils Report	\$ 386.70



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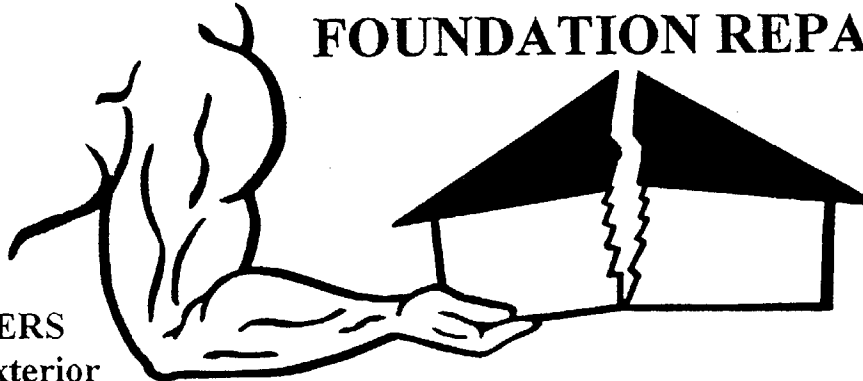
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GEOQUOTE OF THE MONTH

"(Geologists) are Boy Scouts who hated to give up camping when they went to college, so they majored in geology"

from *Oil On Their Shoes*
by Ellen Sue Blakey

WRITE TO THE NEWSLETTER EDITOR

If you have a suggestion for "Geoquote of the Month", or if you have any news items, short articles (or long if space is available), commentary, suggestions, gripes, complaints, book reviews, software reviews, or whatever, and you would like to share them with your colleagues via the AEG Southern California Section Newsletter, send it to the Newsletter Editor at the address below, or on the internet at ctnestle@aol.com. Longer works are preferred on floppy disk, formatted by any DOS or Windows-based word processor (If you have a MAC, please save your work as an ASCII file or in a DOS format that I can retrieve). Diskettes will be

returned if requested. Please include your phone number in case I have a question.



If you are not a member of AEG and would like to subscribe to this newsletter, send check or money order in the amount of \$35.00 (\$15.00 Full-Time Students), made out to "AEG Southern California Section" to the address below. For information about joining AEG call any of the people listed on the first page of this newsletter. Please consider joining the Association of Engineering Geologists. We need you!