

ASSOCIATION OF ENGINEERING GEOLOGISTS

AEG

SOUTHERN CALIFORNIA SECTION

NEWSLETTER - December 1988

JEFF HOLT
Chairman
(805) 522-5174

BOB HOLLINGSWORTH
Vice Chairman
(818) 889-0844

ELDON GATH
Secretary
(714) 598-2856

JERRY TREIMAN
Treasurer
(213) 620-3560
(c/o CDMG LA Office)
107 S. Broadway Room 1065
Los Angeles, CA 90012

J. WAYNE SCHICK
Membership Chairman
(213) 877-2757
c/o Kovacs-Byer & Assoc., Inc.
11430 Ventura Blvd.
Studio City, CA 91604

KELLY E. ROWE
AEG Newsletter Editor
c/o James M. Montgomery,
Consulting Engineers, Inc.
30 Corporate Park Suite 310
Irvine, CA 92714
W (714) 261-7210
W (714) 261-7209 FAX
H (213) 429-6739
Amer. Geop. Union TELENET
KOSMOS Computer Mail
Username: KROWE

2550 Beverly Blvd.
Los Angeles, CA 90057

DINNER MEETING DECEMBER 13th

- Tuesday, December 13, 1988**
- The Quiet Cannon Restaurant**
901 North Via San Clemente
Montebello, CA
- \$20.00 (includes tip)**
- For reservations call**
Jerry Treiman
(213) 620-3560 (CDMG LA Office)

Make reservations by Noon on the Friday prior to the Meeting.

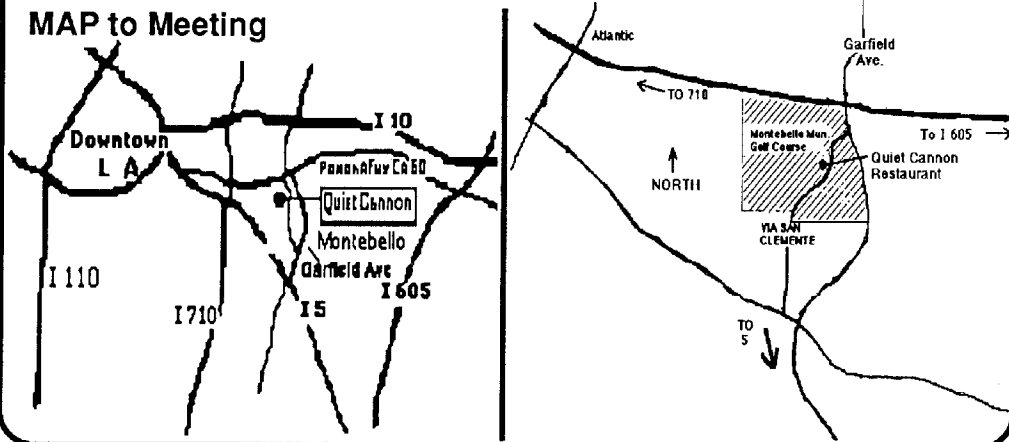
- 5:30 Social Hour**
- 6:45 Dinner**
- 7:30 Announcements**
- 8:00 Speaker**
- 9:00 Section Affairs**

PROGRAM

Stabilization of the Portuguese Bend Landslide: Current Developments

Dr. Perry Ehlig
Professor of Geology
California State University at Los Angeles

MAP to Meeting



TOPIC & SPEAKER

**Stabilization of the Portuguese Bend
Landslide: Current Developments**

Dr. Perry Ehlig

Dr. Perry Ehlig will provide a presentation concerning the recent stabilization project for the Portuguese Bend Landslide. Dr. Ehlig is a professor of Geology at the California State University at Los Angeles. Dr. Ehlig holds Bachelor of Science degrees in Geology from UCLA. Dr. Ehlig began studying the Portuguese Bend landslide for the county of Los Angeles in 1957. His studies of the Portuguese Bend Landslide as well as other landslides in Palos Verdes have continued to date.

The present stabilization project is the most comprehensive ever attempted on the Portuguese Bend landslide. The previous attempts have met with failure. The present project includes redistribution of the landslide mass through grading, improvement of the surface drainage control, and removal of ground water. The project is being funded through the city of Rancho Palos Verdes Redevelopment Agency using a two (2) million dollar grant from the State of California.

Dr. Ehlig serves as a consultant for the city and has provided the geologic and geotechnical input for the repair concept and its implementation.

THIS MONTH

DECEMBER 1988



A couple of questionnaires on professional issues are reported this month. 1. The San Francisco Section is compiling the results of a questionnaire related to registration and professional conduct. 2. The results of the questionnaire that was in September newsletter relating to professional EG matters, as perceived by Southern California Section Membership. They were compiled by Don Lamar before he went to the Annual Meeting in Kansas City, excerpts are printed.

The intent of the enclosed San Francisco Section Questionnaire, printed on the other side of the September Questionnaire results, is an appeal to survey opinions of the profession from those of us in the Southern California area. (We are the last of the three sections to respond to the survey.) By combining our results with the results of engineering geologists in Northern California, a better understanding of the present state of the profession on a state-wide basis will be gained. Conclusions gained from the survey will probably mirror the opinions of engineering geologists throughout the U.S. These will be shared with the State Registration Board, and will be reported by AEG NEWS and this newsletter.

Please contribute to the survey by filling out the multiple-choice questionnaire and mail it to **Patti Oscieki**. It takes about 5 minutes to complete the questionnaire, unless you want to write out details or complaints. **The deadline for sending this anonymous questionnaire to Patti is January 10, 1989.**

Congratulations to **Robert L Mohle** and **Edward A Steiner** for recently becoming licensed as engineering geologists in California.

The **Dept. of Geological Sciences at San Diego State University** is anxiously soliciting matching funds for a \$150,000 grant from the W.M. Keck Foundation for establishing a Dept. equipment fund. A provision of the grant is that it be matched dollar-for-dollar from other sources. At this time the Dept. needs an additional \$40,000. Alums may consider participating in a company/employee gift-matching program, if available, or pledge a contribution to be paid over time.

Board of Registration Questionnaire

After forestalling the attempts of the legislature to abolish the Board of Registration for Geologists and Geophysicists (SB 86) last spring, it is appropriate to ask the California members of AEG how they see the operations, role, and function of the Board of Registration. Two major issues were raised by the Business and Professional Practice Committee of the Legislature and by Senator Boatwright. Those issues were 1) lack of enforcement, and 2) a perception of lack of current training due to the large proportion of "grandfathered" licenses, for which legislated continuing education was the proposed solution.

San Francisco Section Registration Committee wants to ask YOU what you think about these two issues and how you feel about the current Registration Examinations. This questionnaire is divided into three sections based on these issues. The results of the questionnaire will be reported in the AEG NEWS, to the Registration Board, and will be useful to the selected lobbyist the California Sections of the Association will hire. In addition to answering the questions, please feel free to write out your opinions, experience and ideas regarding these issues. **Please Mail the questionnaire (and separate comments) to:**

Patti Osiecki San Francisco Sect. Registration Comm. Chair.
411 Alger Drive
Palo Alto, CA 94306

by January 10, 1989.

Quality of Professional Practice

1. I write or co-write geologic reports per year.

a. 0 b. 1-11 c. 12-23 d. 24-36 e. over 36

2. I sign reports as a licensed professional

(RG, CEG, GP) per year.

a. 0 b. 1-11 c. 12-23 d. 24-36 e. over 36

3. I review ___ reports per year:

a. 0 b. 1-11 c. 12-23 d. 24-36 e. over 36

4. I review reports for (circle all that apply):

- a. internal review for my company
- b. city government
- c. county government
- d. state government
- e. private sector
- f. other (please specify): _____

5. Of the reports I have reviewed, ___ per year were of substandard or unacceptable quality.

a. 0 b. 1-5 c. 6-10 d. over 10

6. Quite often the inadequate reports are: (circle all that apply)

- a. incomplete
- b. fraudulent
- c. incorrect
- d. contain unsubstantiated conclusions
- f. incomprehensible because poorly written

7. Number in order of frequency how the inadequate reports were dealt with:

- NA a. accepted report as written
- _____ b. rejected/returned report for corrections
- _____ c. had work redone by a different party

8. I ___ referred a report to the Board of Registration:

- a. have
- b. have not

9. Personal liability ___ filing a complaint to the Board of a deficient report.

- a. prevents me or my company from
- b. is not a factor when

10. If you filed a complaint and were not satisfied with the Board's response to your complaint, why do you feel the Board did not take adequate action?

NA _____

11. Given the Registration Board's limited funding and manpower, number in importance how their resources should be allocated.

- 1 a. testing of Geologists
- 2 b. enforcement of professional standards
- _____ c. consumer education → leave to AEG
- 2 d. development of professional guidelines
- _____ e. overseeing continuing education (leave to AEG)

12. If the Board allocated more resources towards enforcement it would have the following effect on the quality of professional geologic practice.

- a. greatly improve
- b. improve
- c. slightly improve
- d. no effect

13. Presently the Board can only revoke licenses. What other enforcement options should the Board have (circle all that apply)?

- a. letters of reprimand
- b. published letters of reprimand
- c. fines
- d. temporary suspension of licence

14. What new services can the Board provide to promote and improve the practice of geology in California:

Continuing Education

The Association of Engineering Geologists Professional Practice Guidelines states the following: "A program of continuing education may include pursuit of graduate degrees, attending special or short courses and technical meetings, participation in field trips and home study of journals and textbooks."

15. Continuing education has the following effect on geologic practice.

- a. greatly improves
- b. improves
- c. slightly improves
- d. has no effect

16. In the past two years I have attended the following:

- a. 0 1-2 3-5 6 or more **short courses**
- b. 0 1-2 3-5 6 or more **symposiums**
- c. 0 1-2 3-5 6 or more **college classes**
- d. 0 1-2 3-5 6 or more **internal training**
- e. 0 1-2 3-5 6 or more **professional society meetings**

17. Continuing education should be:

- a. required by law
- b. voluntary with guidelines from the Board
- c. voluntary, up to the individual

18. I would like to see the following applied toward continuing education (circle all that apply):

- a. any course in a related technical subject
- b. management training/ quality control
- c. regulatory topics
- d. authoring professional papers
- e. presentations at professional society meetings
- f. attending professional society meetings
- g. attending field trips
- h. other (please specify)

19. If continuing education is made mandatory, how many actual hours should be required in a two year period?

- a. 1-10
- b. 11-20
- c. 21-30
- d. over 30

20. Who should administer continuing education?

- a. Board of Registration → should require
- b. professional societies → should help meet the need

- c. a nationally recognized accreditation service No - just more fees
- d. up to the individual
- e. other (please specify) _____

21. Regarding continuing education, AEG should (circle all that apply):

- ? a. keep attendance records at monthly meetings - maybe!
- b. provide short courses
- c. make it mandatory for membership
- d. encourage voluntary continuing education

The Registration Exam

22. Does the exam adequately address competence for practice:

- a. yes b. no c. undecided as a geologist
- a. yes b. no c. undecided as an engineering geologist
- a. yes b. no c. undecided as a geophysicist

23. Should the exam be made:

- a. more difficult b. the same c. less difficult for geologists
- a. more difficult b. the same c. less difficult for engineering geologists
- a. more difficult b. the same c. less difficult for geophysicists

24. Certification as an engineering geologist is adequate to practice in hydrogeology:

- a. yes b. no c. undecided

25. A separate certification for hydrogeologists is needed:

- a. yes b. no c. undecided

General Information

26. I hold the following licenses in California:

- a. registered geologist by exam
- b. registered geologist by "grandfathering"
- c. certified engineering geologist by exam
- d. certified engineering geologist by "grandfathering"
- e. registered geophysicist by exam
- f. registered geophysicist by "grandfathering"
- g. not registered
- h. other license:

When done please forward to: **Patti Osiecki**
411 Alger Dr
Palo Alto, CA 94306

.....FINIS

I took exams 10 years ago - don't know how today's exams are.

RESULTS OF SEPTEMBER 1988 NEWSLETTER QUESTIONNAIRE

The September Southern California Section Newsletter contained a questionnaire asking the member's opinions concerning the value of AEG publications and support of registration for geologists by hiring a lobbyist. There were 57 responses which Don Lamar compiled. On a scale of 0 to 10 the items received the following support:

AEG Bulletin:	5.79
National Newsletter:	6.37
Southern Calif. Sect. (SCS) Newsletter:	9.13
SCS fieldguides:	6.89
Books for 1966 & 1973 National Meets:	7.18
Support of registration:	8.12

The results suggest that AEG should hold the line on costs of the Bulletin and National Newsletter to postpone any increase in dues as long as possible. Many of the members provided long and thoughtful comments, a sampling of these follows:

Membership Forms:

Takes too long to process membership applications. Membership forms are very confusing!

The incredible complexity of membership forms to become part of an all volunteer society seems crazy!

The elaborate requirements and procedures for becoming a member of National AEG as well as the high cost make seeking membership almost "not worth it" or impossible. Finding 3 full members sufficiently familiar with ones work to be a sponsor can be a major impediment. (DL) COMMENT: The membership forms have been simplified. *The AEG SCS Newsletter will announce when the new membership forms are available and who to get them from (ed.).*

Registration:

I do not support registration because it is a restraint of trade. If the pressure to remove State Registration is still a real threat then \$15/year is worth it for a lobbyist. Lobbyist is essential to retain Geology Board.

I do not support money for lobbyist, individual members should lobby.

AEG is overly politicized by a small cabal of strident militants who wish to use registration to enhance their fees and aggrandize their self image. More will be gained by a few thousand spent on field trips, seminars and student outreach than tens of thousands on lobbyist.

The current geology registration act must be changed from a title act to a practice act which defines geology and engineering geology. Then geologists must stay within

their areas of expertise as defined by the Government Business and Professions Code.

Monthly Meetings, etc.:

I like your finishing time of about 9PM for monthly meeting.

The local AEG fails to provide anything except a night off; with some notable exceptions the speakers have been weak; the local committees have accomplished nothing, if formed at all, yet we are buying a lobbyist? There needs to be a very serious upgrade in the hardware, if the meetings continue at the Quiet Cannon we've got to get a real audio visual system with microphones and slide changers and a higher screen and light pointer for the attendants to either see or hear what they are not currently hearing or seeing!!!

Monthly meeting place should be moved around so that those living outside the LA Basin could attend more conveniently. *Next year at least four (4) meetings at other locations (ed.).*

As traffic gets worse and as "Los Angeles" expands perhaps it is time to split the Southern California Section into 2 or 3 separate sections. To attend the last section meeting I spent 4 hours on the road, much at 15 to 20 mph.

San Diego members of the Southern California Section are virtually ignored. It is impossible for those of us who have to work for a living to attend monthly meetings and the meetings topics have nothing to do with San Diego geology. (DL) COMMENT: Perhaps the San Diego Members should consider forming their own section.

Publications:

I'm not overly impressed by the more costly National publications.

Although, I don't seem to find the time to read many articles in the Bulletin, it would be a damn shame to reduce it's quality or the quality of other publications.

Should consider changing Bulletin to twice/year with each publication concentrating on a specific topic (i.e. faulting, landslides) or region (southern California, Iowa).

Cost cutting should begin with administrative costs NOT with professional publications which is what it's all about.

I hope that the Bulletin can continue as is.

If eliminating Bulletin would cut dues by 50% or so and we became a lobbying organization, I would tend to support the move. If eliminating Bulletin only saved \$10/year, keep things the way they are.

Make Bulletin a quarterly to reduce cost.

I score the AEG Bulletin low because it has very few papers of significance. Part of the problem is that members are too tired and busy to prepare papers. We need to press for members to submit good papers or have a committee invite papers and keep pressure on the authors to produce.

Education and related items:

Should add a local Committee on Government Agency Affairs to unify ordinance standards at local agencies (individual who suggested this should follow through and do it).

AEG and its sections ought to be doing more in the following: 1. short courses for professional upgrading; 2. short courses for preparation for state exams; 3. tapping into the considerable know-how of retired and semiretired members.

AEG needs an educational program to clarify standard and ethical practice.

AEG should provide more case study reviews and lectures to help educate the ever increasing number of young uncertified staff geologists.

There needs to be some attempt towards continuing education requirements for license renewal which may stimulate the membership a bit.

Comments about AEG and costs:

There is no excuse not to be a paying member of AEG at both the National and local level if you call yourself an engineering geologist.

I do not feel the cost of membership is excessive.

AEG must continue to be a high visibility national organization with clout or we will be run over and eliminated.

I found National AEG aloof and unresponsive.

Cost of membership is too high which is why I dropped out (this member still belongs to the local section and we are glad to have him).

A real presence (paid help) can only work positively for the National AEG.

I don't believe dues for either National or local AEG is too high.

Ethics and related matters:

AEG should consider expulsion of members who advocate, without basis, that other members have committed malpractice, i.e. kick out the hired guns.

The following indicates that the membership lacks any true appreciation of ethics: 1. Recent elimination of the Code of Ethics, 2. Continued incorrect use of the Skempton and Delong equation rather than challenging the local agencies who advocate its use. 3. Refusal of the consultant members to question L.A. County's improper interpretation of Sections 308 and 309 of the Building Code.

Consultant-government geologist relations:

Geologists who work for the City or County aren't engineering geologists, they are bureaucrats; I have no feeling of 'camaraderie with government geologists; let them pay their own dues like I do!

I work for the County of Los Angeles and have asked my coworkers why they don't attend AEG meetings; time and money are always excuses, but many simply don't want to be harassed by private consultants who have a bone to pick, chip on their shoulder or are just antigovernment.

(DL)COMMENT: I still feel that it very unfortunate that many government geologists do not attend meetings because of the above attitudes; although consultants and reviewers must at times disagree, positions will only be hardened if both sides can't get together once a month and NOT discuss business. Any consultant who takes a reviewer to task at a meeting is indeed a bore!!

It is simply incredible that government geologists are intimidated when they come to the section meetings(ed).

Miscellaneous comments:

We need to educate and spend more time and money toward a united front against the increasing trend toward litigation.

A "Governmental Affairs Council" should be established to focus on industry concerns. These heavy hitters would take on the OSA, EPA, FHA, NEWS, etc. in order to modify or enact policy. This group should be funded with \$500/year dues from individual companies ((DL) individual who suggested this should follow through).

The quality of exhibitors at National Meetings should be improved with more equipment manufactures and book publishers.

Annual Meeting Chairmen should solicit papers more actively including invited ones and panel discussions on controversial EG topics to improve the quality and attendance of meetings.

Keep the speaker's abstracts coming in the Section Newsletter; it helps those of use too far away to attend meeting to keep up on what's what. Thanks.

.....**FINIS**

As January approaches it is once again the time to renew your annual subscription/membership for the AEG Southern California Section. Instead of the usual \$15.00 per year, the ante has been raised to \$20.00 per year. The \$5.00 increase is to go to the fund to support a lobbyist in Sacramento that will represent the interest of AEG members and geologists/engineering geologists registered in California.

Your dues are part of the overall non-profit operation of the Association of Engineering Geologists Southern California Section. Your dues go toward 1) the publication and mailing of the monthly newsletter, 2) paying for dinners for needy students at the monthly meetings, 3) paying for dinners for the monthly speakers, 4) expenses for field trips, 5) printing of special publications & reports, 6) awards, 7) keeping you up-to-date on engineering geology, and notifications for professional activities. Your dues will now also provide funds for support of a lobbyist in Sacramento to represent our interests.

(Please remember to complete and mail, by 1-10-89, the enclosed San Francisco Section Board of Registration Questionnaire so the lobbyist will know what our interests are.)

The present number of newsletter subscribers total 300. They are listed in a newly developed computer spreadsheet/database. All of the designated subscribers will now have featured on their mailing labels, to the right of their names, the month that their subscription will expire. If you disagree with the date that is displayed please contact Jerry Treiman - Treasurer (213) 620-3560(CDMG LA office) or Eldon Gath - Secretary (714) 598-2856. It may take a couple of months to get everyone caught up on the list.

Send your \$20.00 check for the 1989 dues to:

Jerry Treiman, AEG SCS Treasurer
c/o California Division of Mines and Geology
107 S. Broadway, Room 1065
Los Angeles, CA 90012

**Renewal
Notice**

Besides your name, address and telephone number for the mailing list, could you also include your FAX number, if available, for future reference.

SEMINARS/MEETINGS/FIELD TRIPS

DECEMBER 1988

6-11 American Geophysical Union (AGU) Fall Meeting. San Francisco, CA. CONTACT AGU Washington, D.C., (800)424-2488.

6-8 A Conference on the Premiere Ground Water Protection Strategy for the Nineties. New Orleans, LA. CONTACT: NWWA, 6375 Riverside Dr., Dublin, OH 43017 (614)761-1711.

JANUARY 1989

31 -2/2 Theory and Practice of Ground Water Monitoring and Sampling. San Diego, CA. CONTACT: NWWA (614)761-1711.

POSITIONS AVAILABLE

ADVERTISEMENTS FOR STUDENT & PART-TIME "POSITIONS AVAILABLE" ARE WELCOME.....

Career Opportunity For Engineering Geologists

Openings are available for a staff and a project level Engineering Geologist. Applicants for staff level geologist should have a minimum of 2-3 years experience in hillside development projects in Southern California. Registration preferred for project level geologist. Salary commensurate with experience.

Call (714) 647-0277 or send resume to:
GeoSoils, Inc.

H.D. Pouncey, Principal Geologist
1446 E. Chestnut Avenue
Santa Ana, CA 92701

Career Opportunity For Environmental Geologists

Hazardous waste consulting firm has openings for entry and senior level Geologist positions. Experience with hydrogeology and hazardous waste desirable. California Registration or Certification preferred for senior positions. Challenging work and promotion potential with a rapidly growing firm. Salary is negotiable and commensurate with experience.

Call (714) 892-2565 or send resume to:
BCL Associates, Inc.

5702 Bolsa Avenue
Huntington Beach, CA 92649
Attention: Personnel
Equal Employment Opportunity firm

PROFESSIONAL SERVICES

SANFORD L. WERNER

CONSULTING GEOHYDROLOGIST
ENGINEERING GEOLOGIST
WATER QUALITY SPECIALIST

Registered Geologist
Certified Engineering Geologist

21031 Blythe St., Canoga Park, CA 91304, (818) 998-8178

RICH DARBY

MIKE HOWORTH

D-H DRILLING & EXCAVATION CO.

"WE DRILL & DIG HOLES.."

TESTPITS/BORINGS, CAISSONS, FOOTINGS
GRADEBEAMS, UNDERPINNINGS/PADS, SEEPAGE
PITS, MONITORING WELLS, DEWATERING WELLS
AND RETAINING STRUCTURES.

76 N. Sierra Bonita Avenue, # 4
Pasadena, CA 91106

818-793-5293

MOORE & TABER

GROUTING DIVISION

Compaction Grouting • Level Surveys
Structure Distress Investigations

4530 E. LA PALMA AVE. • PASADENA, CA 92307 • (714) 779-2591

5620 DISTRICT BLVD., SUITE 103 • BAINBRIDGE, CA 93313 • (805) 833-1743

16760 WEST BERNARDO DR. • SAN DIEGO, CA 92127 • (619) 487-2113

One Source for All Your Geotechnical Instruments

We offer a full line of Geotechnical Instruments with accessories and support at competitive prices. Ask us about our rental systems.

- Inclinometers
- Inclinometer Casing
- Tilt Sensors
- Piezometers
- Settlement Systems
- Load Cells
- Data Acquisition Systems

TERRA TECHNOLOGY CORP. 

A SUBSIDIARY OF ROCHESTER INSTRUMENT SYSTEMS
3880 148th Avenue N.E. Redmond, Washington 98052 USA
Phone: 206-883-7300 Telex: 15 2070 Fax: (206) 882-1412

ZIP-A-DIP [®] Combination protractor, scales, and most efficient apparent dip calculator designed.

Only \$3.00 each (2-10, \$2.50, 11+ \$2.00). Brochure describes ZIP-A-DIP, stereonet plotters, stratigraph, field bags and quantity prices.

Please send brochure only

ZIP-A-DIPS Quantity _____ Amount \$ _____

Name _____

Address _____

To: ZIP-A-DIP, 1318 2nd St. #25, Santa Monica, CA 90401 USA

THE BORING COMPANY

P.O. BOX 17558
IRVINE CA.
92714

714-551-1002

We are specialists in HORIZONTAL BORING from 1" to 6" diameter and up to 600' length.

"Compare Us We're Unchallenged"

Kelly E. Rowe
 AEG Newsletter Editor
 c/o James M. Montgomery, C.E., Inc.
 30 Corporate Park Suite 310
 Irvine, California 92714

ASSOCIATION OF ENGINEERING GEOLOGISTS
 SOUTHERN CALIFORNIA SECTION

INFORMATION FOR A SPRING 1989 EDITION OF A
 SPECIAL DIRECTORY OF SECTION MEMBERS

PLEASE PROVIDE AN APPROPRIATE IDENTIFICATION PHOTOGRAPH ALONG
 WITH THE FOLLOWING INFORMATION TO:

D. I. Lamar, AEG Directory
 1044 12th Street, #10
 Santa Monica, CA 90403

NAME _____ ACRONYM _____ SPECIAL _____

Title _____ Company/Institution _____

WORK Phone Number _____ Address _____

HOME Phone Number _____ Address _____

PREFERRED MAILING ADDRESS: WORK _____ HOME _____
 Degree/Institutions/Dates _____

OTHER SOCIETY ASSOCIATION MEMBERSHIPS:

GSA _____ AAPG _____ NAGT _____ BRANNER CLUB _____ SOUTH COAST
 AGU _____ NWWA _____ SEG _____ WPCF _____ SCHMF _____ IGS _____ SDAG

OTHERS _____ AWARDS, HONORS and whatever _____

COMMENTS: _____

REMEMBER TO SEND YOUR PHOTO



Vinyo & Moore

Geotechnical Consultants
 Stephen W. Jensen
 Principal Geologist

10225 Barnes Canyon Road
 Suite A-112
 San Diego, California 92121 (619) 457-0400
 Soil Engineering • Geology • Groundwater

PRESSURE GROUT COMPANY

Steven C. Chandler
 Grouting Engineer

831 East D St.
 Wilmington CA 90744-9007
 213/513-0773

125 South Linden Ave.
 So. San Francisco CA 94080-6466
 415/871-2244