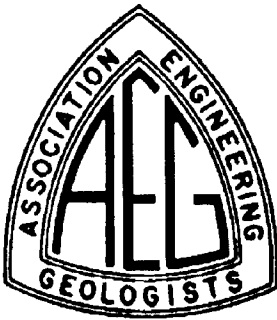


Association of Engineering Geologists

Southern California Section

NEWSLETTER - June 1990



Bob Hollingsworth
Chairman
(818) 889-0844

Eldon Gath
Vice Chairman
(818) 965-4874

Charles Daugherty
Treasurer
(213) 489-6964

James O'Tousa
Membership Drive Chairman
(818) 709-3872

Kelly E. Rowe
Secretary/Newsletter Editor
12 Issues/year-\$20 to "AEG"
(Full-Time Students \$10/year)
(714) 474-9344
(818) 965-4048
(818) 964-3702 FAX
c/o Geraghty & Miller, Inc.
Ground-Water Consultants
17800 Castleton Street, Suite 175
City of Industry, CA 91748
Amer.Geop.Union TELENET
KOSMOS Computer Mail
Username: KROWE

2550 Beverly Blvd.
Los Angeles, CA 90057

Dinner Meeting *Tuesday June 12th*

- The Quiet Cannon Restaruant
901 North Via San Clemente
Montebello
- Cost - \$20.00 (Full-Time Students - Free)
- For reservations call by June 8th!!!

Marion (818) 889-0844 (Grover Hollingsworth & Assoc.)
(Leave Your Name & Number of People in Your Party)

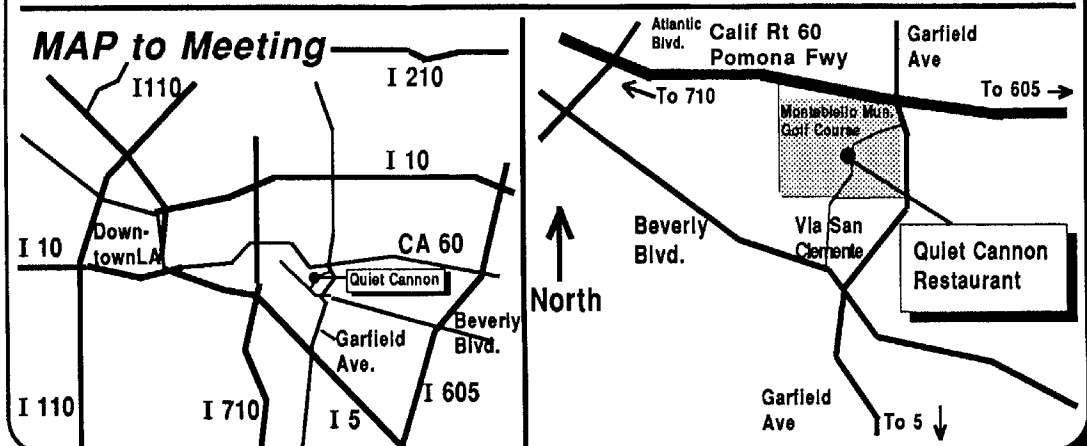
Make reservations by Noon on the Friday before the Meeting

- 5:30 Social Hour
- 6:45 Dinner
- 7:30 Announcements
- 8:00 Program

Program

TOPIC Quaternary Surface Deformation
in the Vicinity of the 1987 Whittier
Narrows Earthquake

SPEAKER Dr. William R. Lettis
- Tectonic Hazards Specialist



2550 Beverly Blvd.
Los Angeles, CA 90057

Program

Topic & Speaker

Quaternary Surface Deformation in the Vicinity of the 1987 Whittier Narrows Earthquake

Dr. William R. Lettis

Of extreme importance to understanding the seismic risk in the Los Angeles Basin, is a quantitative appraisal of the newly emerging issue of blind thrust faults. Dr. Lettis and Tom Bullard have recently completed a study of Quaternary surface deformations in the Monterey Park and Montebello Hills to better characterize the underlying thrust fault responsible for the Whittier Narrows Earthquake. Numerous wind gaps and drainage reversals indicate substantial Quaternary tectonic uplift, and the two ranges of hills represent the surface expression of two distinct anticlinal folds. Their work indicates that the two hills are undergoing uplift independently, and are spatially separated by a 1-2 km right step at the Potrero Grande drainage. These conclusions will be explored in light of the structural complexity (strike slip/thrust) in the Whittier Narrows area, fault segmentation, and slip partitioning.

Dr. Lettis (Ph.D. - UC Berkeley) began his career with the USGS studying the depositional and tectonic history of the San Joaquin Valley; directed Bechtel's Remote Sensing Lab producing tectonic and mineral resource evaluations for many countries; served as a Principal Investigator for NASA's Thematic Mapper program; and for the last five years has been a Senior Geologist for Geomatrix Consultants deeply involved in neotectonic studies along the central coast of California, the southeastern US, the Meers fault in Oklahoma, and Quaternary deformations of both the Whittier Narrows and Loma Prieta earthquakes. He has just opened his own firm, specializing in tectonic hazards - research and applied.

THIS MONTH

June 1990



Kelly E. Rowe
Hydrogeologist

Last month, Mr. Leonard M. Krazynski, geotechnical engineer, discussed failures of earth dams. The total number of people who attended was 140. This was roughly twice the normal attendance at our monthly meetings and is an inspiration to hold meetings in other parts of the southern California.

The 1990 annual field trip will address the engineering geology and hydrogeology of the Soledad Basin. The field trip will be held in late September or early October. We are soliciting article for the guidebook, as well as suggestions for stops. General topics to be covered include: San Gabriel Fault, landslides, expansive bedrock, treatment of collapsible soils, ground-water development and private sewage disposal. Please volunteer at the June AEG meeting or contact Bob Hollingsworth (818) 889-0844 or Charlie Buckley (818) 991-1542.

Buzz Spellman pointed out that the Board of Registration for Geologists and Geophysicists discussed and approved the "Fields of Expertise" list at the January 26th meeting. Last month's newsletter mistakenly stated that approval was postponed. Geophysicists were excluded from the comparison of expertise of geologists to expertise of civil engineers.

The search is started for an AEG member in the Southern California Section to take over editorship of this monthly newsletter in November. Two years of doing the newsletter is plenty for me. There are a total of 400 to 500 copies sent to people interested in the Association's activities. Beside the actual task of printing this job takes about 16 hours per month for one individual. Previous editors have used staff from their company's office or family to do the label and stamp routine which cuts editor time down greatly. Perhaps someone has already thought that it would be beneficial for them to do the newsletter. If you are interested feel free to contact me about details.

Note that the Association's AEG NEWS is willing to accept information and photographs for publication in the quarterly newsletter by the general membership. The Section News portion of the AEG NEWS is divided into Membership News and Section News. Examples of acceptable information for the Section News may be found in previous issues. Feel free to submit information to the Editor. It needs to be submitted before the end of each season for subsequent editing, layout, publishing and final distribution by the middle of each season.

Professional Services

Business-card size advertisement space available for \$ 50.00/year.

 SIERRA BRAVO COMPANY

GEOPHYSICS FOR:

ENGINEERING-GROUNDWATER-ENVIRONMENT

- SEISMIC REFRACTION/REFLECTION
- GROUND PENETRATING RADAR
- ELECTRICAL
 - MAGNETICS
 - GRAVITY

PROPERTY TRANSFER SURVEYS
SITE ASSESSMENT SURVEYS
GEOPHYSICAL EQUIPMENT RENTAL

PO BOX 152 WOODBRIDGE CA 95258
(209) 338-8791

RICH DARBY



CO. EXCAVATION CO. DRILLING, LP

"WE DRILL & DIG HOLES."
TESTPITS/BORINGS, CAISSONS, FOOTINGS, FOUNDATIONS
GRADEBEAMS, UNDERPINNINGS/PADS, SEEPAGE PITS

L.A. COUNTY:

1117 E. WALNUT STREET
P.O. BOX 94656
PASADENA, CA 91109-4656
(818) 793-5293

ORANGE COUNTY:

P.O. BOX 3241
COSTA MESA, CA 92628-9998
(714) 645-3127

MOORE & TABER GROUTING DIVISION

Compaction Grouting • Level Surveys
Slope Inclinometer Installation

1290 N. HANCOCK, P.O. BOX 19079 • ANAHEIM, CA 92817 • (714) 779-2591

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

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

San Diego

Ninyo & Moore

Irvine

Geotechnical and Environmental Sciences Consultants

- Soil Engineering
- Geology
- Hydrogeology
- Environmental Assessment
- Regulatory Compliance

Gregory T. Farrand
Principal Geologist

10225 Barnes Canyon Road • Suite A-112
San Diego, California 92121
Phone (619)457-0400 • Fax (619) 558-1236

DID IT MOVE, OR DIDN'T IT?



Our automated deformation-sensing systems give you the graphic answer!

Now, track the tilts, bulges, bends and displacements of • Dams • Tunnels
• Tanks • Landslides • Bridges
• Buildings • Roofs • Any Structure.

Our systems take continuous static and dynamic readings. Then report to you. Wherever you are in the world.

- ▶ Structural testing
- ▶ Warning of unsafe conditions
- ▶ Long-term monitoring

**APPLIED
GEOMECHANICS**

1336 Brommer St., Santa Cruz, CA 95062, (408) 462-2801 • Fax (408) 462-4418

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

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
3860 148th Avenue N.E., Redmond, Washington 98052 USA
Phone: (206) 883-7300 Telex: 15-2070 Fax: (206) 882-1412



Amer R. Al-Alusi
President

Compaction Grouting
Lense Grouting
Chemical Grouting
PressGrout Piles

Geotechnical Stabilization, Inc.

3970 Sorrento Valley Blvd., Suite A • San Diego, CA 92121
619/546-0202 • FAX 619/546-3893



1050 Marina Way South 17800 Castleton St., Ste 175
Richmond, CA 94804 City of Industry, CA 91748
(415)233-3200 (818)965-4048
Offices Located Nationwide

RST INSTRUMENTS

(PETUR) Pneumatic Piezometers • Pressure Cells • Extensometers
• Anchor Load Cells & Pile Tip Load Cells • Data Acquisition Systems
• Carlson Instruments • CSIRO & ANZI Stress Cells
Instruments for measurement of Stress/Movement in Tunnels, Mines, Dams, Bridges,
Slopes, Embankments, Piles, Retaining Walls & Most other **Monitoring Applications**

CARLSON/RST No. 1190-C Dell Avenue Phone: (408) 374-8959
INSTRUMENTS Campbell, Ca. 95008 FAX: (408) 374-5813

Positions Available

Advertisements for Student & Part-Time "Positions Available"
are Welcome. There is no charge for advertisement.

Career Opportunities For Geologists, Environmental Geologists/ Hydrogeologists

Openings are available for project/senior staff geologists.
Requirements include a BS/MS in Geology, RG (CEG
highly desirable) and at least 4 years of experience.
Responsibilities will include project management, analysis
of geologic mapping and exploration and staff
supervision. Openings are available for environmental
geologists/hydrogeologists. Requirements include a BS/
MS in Geology RG and five years of experience in
environmental services filed. Responsibilities will include
project management. Groundwater modeling experience
is highly desirable. Salary is negotiable and commensurate
with experience.

CONTACT: (714) 250-1421

or send resume to:

Leighton & Associates
Attention: Vicky Overly
1151 Duryea Avenue
Irvine, CA 92714

Career Opportunity For Staff Geologist

Immediate openings are available for an Entry Level Staff
Geologist to perform field mapping, logging, drafting and assist
in exploration. Requirements include a bachelors degree in
geology. Projects include residential hillside development in the
southern California area and evaluation of distressed homes and
instability. Competitive salary and benefits.

CONTACT: (805) 373-0057

or send resume to:

Robertson Geotechnical, Inc.
2500 Townsgate Road, Suite E
Westlake Village, CA 91361
Attn: Hugh S. Robertson

Career Opportunities For Geologists, Hydrogeologists Civil & Environmental Engineers

Openings are available for several positions. Staff Geologist
Engineer; BS/1 year experience in waste management. Project
Geologist/Hydrogeologist; BS/3 years experience or MS/2 years
experience in waste management. Project Civil/Geotechnical
Engineer; BS/3 years experience or MS/2 years experience in waste
management. Senior Air Quality Scientist/Engineer; BS/7 years
experience or MS/6 years experience as program manager, source
testing.

CONTACT: (714) 546-0602

or send resume to:

The MARK Group, Engs.&Geols.,Inc.
Attention: David K. Rodgers, Principal
1241 E. Dyer Road, Suite 130
Santa Ana, CA 92705

Career Opportunity For Geologist/Hydrogeol./E.G.

Opening is available for a project level Geol./Hydrogeol./
Eng.Geol. with 3 to 5 years experience to direct field operations
for characterization of contaminated sites. Strong candidate will
have detailed knowledge of drilling, sampling, and installation of
ground-water monitoring wells, excellent communication skills
and be computer literate with writing skills. Salary is negotiable
and is commensurate with experience.

CONTACT: (714) 541-9353

or send resume to:

Remedial Action Corp.
Attention: David A. Sommers
505 N. Tustin Ave., Suite 160
Santa Ana, CA 92705

Kelly E. Rowe
AEG Secretary/Newsletter Editor
c/o Geraghty & Miller, Inc.
17800 Castleton Street, Suite 175
City of Industry, CA 91748

