



Newsletter

Inland Empire Chapter News

Southern California Section, Association of Environmental and Engineering Geologists

December 12, 2005

The First Edition

Vol. 1, No. 1

1st NEWSLETTER - DECEMBER MEETING NOTICE

Five Officers for 2006 to be Installed at December AEG Meeting

- Recognition and awards to be presented (see Agenda, p. 2)

Summary of application of geophysics to near-surface problems

- Guest Speaker Antony Martin, GEOVision, Corona speaks to AEG on 21-Dec-05

Wednesday 21-Dec-2005

5:00 - 6:45	Geologist Orientation	Restaurant Bar/Banquet Room
6:45 - 7:30	Dinner	Banquet Room
7:30 - 8:45	Meeting	Banquet Room

Cask 'N Cleaver Restaurant

Meeting Cost: ~\$10 to \$25+

(Order meal from Menu, with gratuity)

(Fund-raising donation suggested is \$5.00, or more)

(RSVP/Other details/Directions below, p. 2 and p. 6)

Dear AEG Members

Welcome to the news and notices of the Inland Empire Chapter, Association of Environmental and Engineering Geologists (of the Southern California Section) in this new format, the first Newsletter in the founding year 2005 that may replace the former format of Notices of Meeting. The "Notices" were becoming so much more than "Notice Of Meeting" with more news than meeting notice, it was decided to start to change the format with this new Newsletter hopefully evolving to something useful to all who come across it. Read on, as there is much news, and much to notice of future events. Your ideas and comment(s) are welcome. Please see the following pages for great news and information. Merry Christmas hoping a Happy New Year,

- Rick Gundry, *ad hoc* Editor

This Month's Topics

- **Installation of 2006 Chapter Officers**
- **Recognition and Awards**
- **Discussion open for anything; also: invite guest, bring family/spouse**
- **President Frank Jordan, discussing recent California Registration issues**
- **Dr. Roy Shlemon, discussing National AEG activities; State BGG (TAC) news; and, What is "Standard of Practice," a question to be asked of you to respond to (audience response will be requested of you).**

Speaker:

Antony Martin, GEOVision, Corona

This Month's Guest Speaker

Antony Martin, R.GP., Technical Director, GEOVision Geophysical Services, Corona, California; M.S. Geology (Geophysics), California State University, Long Beach, California; B.S. Geophysics, University of British Columbia, Canada.

"Summary of application of geophysics to near-surface problems"

Tony will provide a quick overview of the types of methods utilized in shallow-geophysical (near-surface) investigations to provide sub-surface imaging and high-resolution geophysics techniques in practical applications applied to engineering geology. Although focused to environmental applications, he will also cover applications involving infrastructure, engineering, and

utilities. An alternative title for this talk could be supplemented as Geophysical Applications in Environmental and Engineering Geology.

The remaining portion of discussion will be up to you, to ask questions, so that Tony may elaborate in special areas of application you are more specifically interested in. Based on interest, GEOVision can provide a more lengthy and specialized presentation at a later date that can be scheduled next year.

GEOVision employs a variety of geophysical methods, including Electromagnetics; Magnetic; Resistivity; GPR (Ground Penetrating Radar); SASW (Spectral Analysis of [seismic] Surface Waves); PS Suspension Logging (P and S wave velocity analyses for construction vibration); Blast Vibration Monitoring (involving dynamite geophysical seismic refraction surveys and analysis for estimating depth to bedrock, voids, anomalous density difference decipher potential occurrence of faults, sub-surface structure, lithologic changes, mineral deposits, soil stratigraphy, potential channels, and perhaps depth to water interfaces); borehole geophysics (for evaluation of rock and fluid properties, as well as correlation between boreholes, fracturing, velocity of groundwater, calibration for surface seismic survey information) ; and application in the marine or under water environment.

Tony will describe how many of these techniques or a combination of these high-resolution geophysical techniques can be applied in services to elucidate issues and problems and identification of many environmental applications, among others, including location of contaminant sources, identification of sub-surface hazards prior to drilling, and in the mapping geologic features and contaminant migration paths.

Message from the President

Please see AEG Inland Empire Chapter web-page at AEG Southern California Section Web-site: <http://www.aegsc.org/chapters/inlandempire/> .

Treasurer's Report: (Month of November) (please refer to above web-site). The report was handed out to meeting participants with an overview.

Report of Election for 2006 Officers::

PRESIDENT Gary Wallace
RMA Group, Rancho Cucamonga

VICE PRESIDENT(South) Scott Mathis
Leighton & Associates, Inc., Temecula

VICE PRESIDENT(North) Doug Cook
Sladden Engineering, Victorville

SECRETARY Mike Cook
Kleinfelder Inc., Redlands

TREASURER Rick Gundry
Bureau of Indian Affairs, Riverside

PAST PRESIDENT Frank Jordan
Gary Rasmussen & Associates, San Bernardino

Congratulations New 2006 AEG Officers !

Please note that Officer Elect (new 2006 Officers) contact information is provided near end of this message.

Thanks New AEG Members - Welcome !

Eric Patschull (Student, CSUF), Delta
Environmental Consultants, Monrovia, CA

Steve Maddox, PG 4814, CHG 298, Maddox &
Associates (Temecula area, CA)

New from National AEG Headquarters

Although the Inland Empire Chapter was approved by the National Board last April, AEG Member Jeff Keaton presented the frame-mounted Official Certificate of Chapter Recognition presented at the Business Meeting conducted during the 48th AEG Annual Meeting and Symposium in Las Vegas this previous September, stating, as follows:

Association of Engineering Geologists

*The Board of
Directors would like to
formally recognize the*

**Inland Empire Chapter
of the Southern
California Section**

~ September 22, 2005 ~

(Signed) David W. Bieber, President

**ASSOCIATION OF ENVIRONMENTAL
AND ENGINEERING GEOLOGISTS**



The Official plaque and Certificate will be carried by the Chapter President to be passed on to the next Chapter President.

Note: New => AEG LOGO ICON.

The new LOGO Symbol has been refitted to include ENVIRONMENTAL and ENGINEERING, along with GEOLOGIST, as shown in the letterhead of this Notice, as well as a color version that will not print out, but presented above for your view should you have a color screen (see above)

THANKS

Thanks to the 13 Professionals including a Student also working in the profession (and AEG Member) who participated in the November "Election Meeting" in San Bernardino, California, as follows:

Rico Cadiz, **AMEC**; Zack Freeman, **Leighton GROUP**; Eric Patschull (CSUF Masters Degree Program); AEG Section Chairman Charles Nestle, **Los Angeles County Department of Public Works**; David Jones, **County of Riverside**; Jeff Keaton, **MACTEC**; Richard Orr, **Leighton Group**; Mike Cook; **Kleinfelder Inc.**, Scott Mathis, **Leighton Consulting**; Doug Cook, **Sladden Engineering**; Gary Wallace, **RMA GROUP**; Rick Gundry; **U.S. Bureau of Indian Affairs**; and Frank Jordan, **Gary Rasmussen and Associates, Inc.**

THANK YOU —

Tribute to Petras Sponsors, Contributors in 2005 of \$50 or more

This is a statement of tribute for recognition of those who donated 10-times or more than the minimum we requested last Spring to assist us when we sought \$5, 10, 15, 25, 35, or more from individuals or perhaps from Corporate sponsors.

These un-selfish individuals and companies are contributors in providing funds to the Inland Empire Chapter for the Chapter's inaugural bank account in our first year of existence, which will eventually assist us get a credit card minimum balance (as AEG prohibits credit greater than in a savings/checking account).

To-date, there are **11 Petras Sponsors recognized and appreciated**, including two (and recently a third) new additional corporate donators in a new category of Sponsors who have contributed an even higher amount, as follows:

Petras Sponsors

- * **Richard L. Orr, Leighton Group Of Companies, Leighton and Associates, Inc., Rancho Cucamonga, California;**
- * **Roy J. Shlemon, Ph. D., Newport Beach, California;**
- * **N. Thomas Sheahan, Vice-President, Geomatrix Consultants Inc., Inland Empire Office, Corona, California;**
- * **Steven C. Suitt, Principal, Steven C. Suitt and Associates, Canyon Lake, California;**

- * **Richard R. Gundry, Agency Hydrologist - Water Rights, Southern California Agency, U.S. Bureau of Indian Affairs, Riverside, California;**
- * **Kerry Cato, Ph.D., President, Cato Geosciences, Inc., Temecula, California;**
- * **Jeffrey R. Keaton, Ph.D., Senior Principal Engineering Geologist, MACTEC Engineering and Consulting, Inc., Los Angeles, California;**
- * **Robert Riha, Leighton Consulting, Temecula, California.**

Silver Petras Sponsor

- * **Arlan Ruen, Ruen Drilling International, Inc., Ruen Drilling, Inc.: Clark Fork, Idaho & Modesto, California**
- * **Antony J. Martin, GEOVision Geophysical Services, Inc., Corona, California.**

Gold Petras Sponsor

- * **John Gregg, Gregg Drilling and Testing, Inc., Gregg In Situ, Inc.: Signal Hill, California.**

PETRAS Sponsor for Inaugural Year

"Petras" is a Latin term for a large rock edifice, monolith or massif of strength (eg., Rock of Gibraltar), as different to "petros", a term for a rock or stone, something one can pick up. It can mean something like a cornerstone, such as one set for the

foundation of a building – something strong and set first from which a foundation is built for a larger structure needing the strength.

The distinguishing point is donations that recognize interest and generosity building foundational financial support to the Inland Empire Chapter in this inaugural year. And, ones that certainly take an immediate, bold and positive step. A solid contribution/donation if \$50.00 or more is **Petras Sponsor**. Other, smaller donations are requested, and are as important. All donors will be recognized. New categories of Sponsors are **Silver Petras Sponsor** (\$250 or more); **Gold Petras Sponsor** (\$500 or more); and **Platinum Petras Sponsor** (\$1,000 or more).

We continue to seek voluntary contributions for building a foundational inaugural bank account. Again, we want to recognize those who have given 10-times or more than the minimum we requested to assist us when we sought \$5, 10, 15, 25, 35, or more from individuals or perhaps from Corporate sponsors.

Thank you

Thank you Antony Martin and GEOVision Geophysical Services, Corona, for offering a \$250.00 donation, as Silver Petras Sponsor.

End of Year Donations for Petras Sponsor

If you would like to assist the Chapter with an inaugural fund-raising donation please do so, and if contributing \$50 or more you will be deemed a PETRAS SPONSOR in one of the categories discussed above. (Mail to AEG Inland Empire Chapter, P.O. Box 8944, Moreno Valley, CA, 92552.)

SPECIAL THANK YOU ! TO ALL WHO DONATED. YOU ARE APPRECIATED !

AEG Approved Short Courses and Workshops - Initial Report of Survey

At the previous two meetings, supported with e-Mail to all recipients of the Chapter mail, a survey was made based on responses. Four responses were made. Here is a listing of the courses where respondents indicated there were 3 or more interested. (A more thorough report will be sent by separate mail soon, but if others would like to add their choices, now is the time to do so.)

- Advanced Slope Stability Analysis
- Applications of Block Theory to Slope Stability Problems in Block Ground
- Applied Rock Slope Engineering
- Practical Rock Slope Engineering (Advanced)
- Rock Slope Engineering for the Practitioner
- Understanding and Apply Probabilistic Seismic Hazard Analysis

There were twelve other courses where two respondents had interest, and 6 other courses of interest by only one respondent. In sum, there was a terrific amount of interest from 4 respondents, in no situation were there 4 of 4 respondents having interest in the same course, and with 3 respondents having interest in 6 courses.

The Chapter will soon contact the appropriate entities to have the courses here in the inland southern California area. Please respond if you are interested in these courses, or courses listed in my message dated 11-Nov-05. Please contact Rick Gundry if you have any questions or need a copy of the AEG Approved Short Courses and Workshops listing: rick.gundry@verizon.net

Directions to Meeting:

The meeting area is located in Corona a bit west and opposite downtown 'circle city' to the immediate north on the north side of U.S. Highway 91 Freeway off Lincoln Avenue exits.

Cask N' Cleaver Steakhouse
100 N. Lincoln Avenue
Corona, CA 92882-1848
(951) 735-8550

From the 91 from Riverside area proceed towards west(south) to Corona continuing past I-15, and just past Main Street to Lincoln Avenue NORTH off-ramp. Take right on Lincoln Avenue NORTH off-ramp AND immediately take two immediate right turns into Parking Lot for Cask 'N Cleaver.

If proceeding south from the Devore, Fontana, Alta Loma, Ontario, Mira Loma areas from the I-210, I-10, and U.S. Highway 60 freeways, take I-15 SOUTH, and approach Corona, to GO WEST on U.S. Highway 91 (then, follow directions above as if coming from Riverside).

If proceeding north from the Temecula-Murrieta and surrounding areas, take I-15 north to Corona, TURN WEST on U.S. Highway 91 (follow directions as above as if proceeding from Riverside).

If proceeding east on I-210, I-10 or U.S. Highway 60 from Los Angeles County (via Azusa, Covina, Whittier) and then south via Pomona, TAKE 71 SOUTH (Chino Valley Freeway) to U.S. Highway 91, and proceed EAST a few miles past off-ramp for W. 6th Street to EXIT at Lincoln Avenue to proceed NORTH to cross Hwy 91 and TURN into parking lot for Cask N' Cleaver.

RSVP Please: by **Friday, December 16 or before please:** send eMail **RSVP** to Rick Gundry at rick.gundry@verizon.net, by COB 16 December-05, or call RSVP (951) 924-6756 to leave message. **IMPORTANT !** Thanks.

Future Meetings

JAN Wednesday JAN 18, 2006 Redlands,
- Marie Calenders

“Sixty Years of the CPT - How far have we come?”

Dr. Peter Robertson, Professor of Geotechnical Engineering, University of Alberta, Canada; Technical Director to Gregg Drilling and Testing, Signal Hill, California.

FEB Wednesday FEB 15, 2006 Temecula
- Country Garden

“Phase I Environmental Assessments and the New AAI Standard”

Jim Maddden, PG, REA, CEM, Associate Geologist, Leighton and Associates, Inc., Temecula.

MAR Thursday MAR 2, 2006 Ontario
- Marie Calenders

“Evolution of the deep crust and upper mantle beneath the southern California region”

Dr. Jason Saleeby, Professor, California Institute of Technology, Pasadena, California

APR Wednesday APR 12, 2006 Temecula
- Marie Calenders/California Grill(?)

(talk Title and subject to be determined).

Dr. John A. Izbicki, U.S. Geological Survey, Water Resources Division, San Diego, California

MAY Wednesday MAY 17, 2006 Colton/SnBrdo?
- location to be decided

“Dealing with uncertainty regarding the chemistry of drinking water wells – an example from the City of Riverside”

Dr. Matt Werner, Sr. Project Director, Earth Tech, Long Beach, California (part of focus is perchlorate anion)

JUNE Wednesday JUN 21, 2006 Temecula
- Jo Aldern, Kleinfelder ‘Stringfellow (subject)

Note: If you have suggestions for speakers on short or longer topics, please contact Rick Gundry

Contact Information (2005): outgoing

Richard R. Gundry Frank Jordan
rick.gundry@verizon.net geo.jordan@gmail.com

Contact Information/Officers (2006): AEG Inland Empire Chapter (SoCal Section):

Gary Wallace PRESIDENT
Gary@rmagrp.com (909) 989-1751

Scott Mathis VICE PRESIDENT, So. Sector
SMathis@leightongeo.com (951) 296-0530

Doug Cook VICE PRESIDENT, No. Sector
DougCookCEG@earthlink.net (951) 830-2031

Rick Gundry TREASURER
rick.gundry@verizon.net (951) 276-6624,x257

Mike Cook, SECRETARY
MCook@kleinfelder.com (909) 557-1463



**SOME Association of
Environmental and Engineering
Geologists Goals To Think About**

Connecting Professionals, Practice and the
Public:

“Serving Professionals in Environmental
and Engineering Geology”

“A Member shall be practicing in the
field of Engineering Geology,
Environmental Geology, or
Hydrogeology.”

“The Association of Environmental and
Engineering Geologists (AEG)
contributes to its members’ professional
success and the public welfare by
providing leadership, advocacy, and
applied research in environmental and
engineering geology.”

“Engineering Geologists have a
responsibility to promote the public
health, safety and welfare by applying
their specialized knowledge to mitigate
geologic hazards and geologic
constraints.

SPECIAL THANK YOU

TO

GOLD AND SILVER

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For significant \$500.00 donation to
AEG Inland Empire Chapter,
Inaugural Foundational Financial
Building of Checking account !



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Innovation, Value.**

**THANK YOU TO GREGG DRILLING
& TESTING, INC,
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**Silver Petras
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For significant \$250.00 donation to AEG
Inland Empire Chapter,
Inaugural Foundational Financial
Building of Checking account !

**Ruen Drilling International, Inc.
Ruen Drilling, Inc. (Branch
Office)**

P. O. Box 267 3441 Todd Court
Clark Fork, Idaho USA 83811 Modesto,
California 95350

Phone: (208) 266-1151 Phone (209)
577-3183

Fax No.: 208.266.1379 Fax No.:
209.577.3157

e-Mail: office@ruendrilling.com e-
Mail jmarasovic@aol.com

WORLD-WIDE, www.ruendrilling.com

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RUEN DRILLING, INC.

Silver Petras Sponsor

For significant \$250.00 donation to
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GEOVision offers a full range of
high quality geophysical data
aquisition, analysis, and imaging
services.

**GEOVision Geophysical
Services, Inc.**

1151 Pomona Road, Unit P

Corona, CA 92882

Tel: (951) 549-1234

Fax: (951) 549-1236

E-mail: _____

info@geovision.com

GEOVision specializes in non-
invasive methods of investigation
for engineering, environmental,
groundwater, mining, and
archeological applications,
including:

- **High-speed GPR pavement and
bridge deck condition evaluations**
- **Characterization of disposal areas**
- **Contaminant detection and
monitoring**
- **Subsurface geologic and hydrologic
characterization**
- **subsurface infrastructure
characterizations**
- **Engineering properties of soil, rock,
and structure**
- **Earthquake hazard mitigation**
- **Vibration and earthquake monitoring**
- **Mineral exploration**
- **Archeology**

**THANK YOU TO GEOVision,
GEOVision Geophysical Services,
Inc.**

THANK YOU TO THE FOLLOWING INDIVIDUALS WHO SERVED AEG !

2005 AEG Inland Empire Officers, and Committee Persons:

Frank Jordan, President	Doug Cook, Organizational Committeeman
Richard R. Gundry, Treasurer, <i>ad hoc</i> Communications Director	Frank Jordan, Organizational Committeeman
Richard Orr, Chair, Membership Committee, delegated Treasurer	Gary Wallace, Organizational Committeeman
Lisa Battiato, Chairwoman, Meeting Venue Committee	Mike Cook, Organizational Committeeman
Rick Gundry, Committeeman, Meeting Venue Committee (Speakers)	Rick Gundry, Organizational Committeeman
Mark Spykerman, delegated Treasurer and President	Kerry Cato, WEBMASTER (So Cal Sec.)

2006 Officers Elect

Gary Wallace, President Elect	Frank Jordan, <i>ex officio</i> Past President
Scott Mathis, Vice President (South) Elect	Doug Cook, Vice President (North) Elect
Mike Cook, Secretary Elect	Rick Gundry, Treasurer Incumbent/Elect

Hopefully, some or all of those listed for 2005 may help in some way or another in 2006,

[Inland Empire Chapter *Newsletter*,](#)

- Rick Gundry

ad hoc Newsletter Editor

AEG Inland Empire Chapter,

Southern California Section

SEE Web-Site And Web-Pages

<http://www.aegsc.org/chapters/inlandempire/>

<http://www.aegsc.org>

<http://www.aegweb.org>

