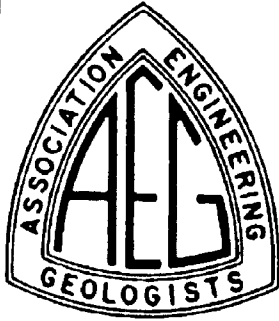


Association of Engineering Geologists

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



Southern California Section

NEWSLETTER-November 1992

Dinner Meeting *Tuesday, November 10th*

- The Airtel Plaza Hotel
7277 Valjean Avenue
Van Nuys
- Cost - \$25.00 (Full-Time Students - Free)
- Make reservations by Friday November 6th!!!**
URS Consultants 714-660-7676
(Leave Your Name & Number of People in Your Party)
- 5:30 Social Hour
- 6:45 Dinner
- 8:00 Program

Kelly E. Rowe
Chairman
(714) 660-7676

James O'Tousa
Vice Chairman
(818) 993-1211

Tania Gonzalez
Secretary
(714) 860-7772

Robert A. Larson
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Tony Stirbys
Membership Chairman
(213) 362-6176

Joseph Cota
Publications Chairman
(818) 785-2158

Kathleen R. Williams
Newsletter Editor
12 Issues/year-\$30 to "AEG"
(Full-Time Students \$10/year)
(310) 597-3977
(310) 597-8459 FAX
c/o GeoResearch
3960 Gilman Street
Long Beach, CA 90815

2550 Beverly Blvd.
Los Angeles, CA 90057

Program

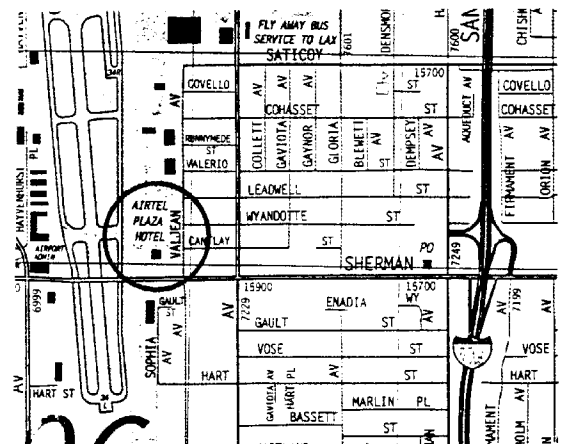
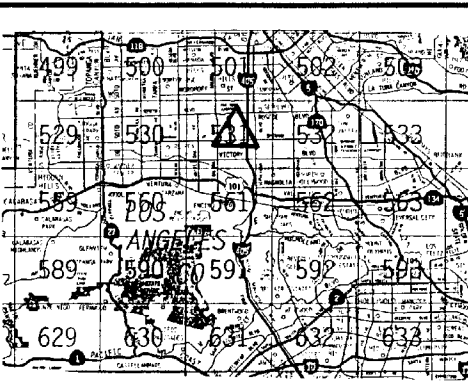
Short Topic:

"Radiocarbon Confirmation of time of structural model
- Las Posas Anticline, Ventura County, California"
by
Robert "Bob" Whitney, Leighton and Associates

Main Topic:

"Environmental Applications of
Cone-Penetrometer Technology"
by
Roy Roberts, Fugro-McClelland/Staal Gardner and Dunne

MAP to Meeting



PROGRAM

Topic & Speaker

Short Topic

"Radiocarbon Confirmation of Timing of Structural Model - Las Posas Anticline, Ventura County, California"

Robert "Bob" Whitney
Project Geologist
Leighton and Associates

The Las Posas anticline is one of the anticlinal folds within the western Transverse Ranges in Ventura County. The Las Posas anticline is overthrusting southerly on the Springville fault zone, which is a secondary structure to the Oak Ridge fault system. A tectonic model for the evolution of the Las Posas Hills was developed to explain the mechanisms responsible for the formation of east-west trending axial faults and northeast to northwest trending strike slip faults mapped near the crest of the anticline. Preliminary ages on the formation of the anticline and recency of activity of the various fault types observed were estimated using soil development indices developed for the site and compared to dated soils from other parts of the Ventura Basin. Radiometric dating of selected charcoal samples collected from fault exposures has now been completed. The dates indicate that the Springville fault broke through to the surface soon after 30,000 years bp, and that earthquakes on this fault have occurred in the Holocene with a recurrence interval of about 1,000 years.

Dr. Robert Whitney holds a Ph.D. and a Masters Degree in geology from the Mackey School of Mines, University of Nevada-Reno. He earned a Bachelor of Arts degree in geology at Humboldt State University in Arcata, California. He is currently a project geologist with Leighton and Associates. Dr. Whitney has authored and coauthored many publications on tectonic, seismic, and structural topics.

IMPORTANT INFORMATION

Please send all member correspondence for change of address notifications to Tania Gonzalez, Secretary, AEG, %Leighton and Associates, 1470 S. Valley Vista Dr. Suite 150, Diamond Bar, CA 91765.

Main Topic

"Environmental Applications of Cone-Penetrometer Technology"

Roy Roberts
Senior Environmental Engineer
Fugro-McClelland/Staal Gardner and Dunne

Mr. Roberts has over 10 years of professional environmental and engineering experience working for the Oil and Gas Industry in California and Alaska. He has supervised many site assessments and performed pre/postacquisition environmental evaluations. His broad technical knowledge of investigative tools and techniques can be used to assist in the selection of appropriate methods. He also has experience in the area of groundwater hydrogeology including: monitoring well installation and sampling, aquifer characterization and modeling. Mr. Roberts received a BS in Chemistry from the University of Tulsa in Oklahoma and a MS in Environmental Quality Engineering from the University of Alaska in Anchorage.

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RECOGNITION FOR A JOB WELL DONE

The following members of the Southern California Section deserve recognition for their volunteer help in conducting the 1992 meeting. The J. Byer Group, Inc. is to be thanked for lending the association their Principal Geologist, John Byer, for the last year or so. The group also typed memorandums, meeting announcements, and minutes and mailed them to the numerous committee members. David Grover and Bob Hollingsworth, with Grover-Hollingsworth and Associates, provided technical assistance in the preparation of the field trips and also helped with the planning and financial aspects of the meeting. Joe Cobarrubius was in charge of the technical committees, which includes the overseeing of field trips and the technical sessions. Hugh Robertson acted as treasurer and chief financial officer for the meeting and has done a wonderful job in his projections and record keeping. Charles Buckley has attended numerous committee meetings and is in charge of the audio/visual portion of the meeting. Dr. Perry Ehlig with the Department of Geology, California State University Los Angeles, was in charge of field trips. George Larson is in charge of the poster sessions. George also has hosted the committee meetings at the offices of GeoSoils, Inc. in Van Nuys, California. John Merrill has prepared the field trip to Catalina Island. Richard Proctor and Barney Pipkin attended many of the committee meetings and are responsible for production of the special publication to be sold at the meeting. Kelly Rowe attended many of the committee meetings and has put together a short course on groundwater. Exhibits and exhibitors were the responsibility of Greg Rzonca with Converse Consultants. Roy Shlemon provided information for technical sessions and is responsible for the symposium on earth fissuring and subsidence. Production of short courses was under the direction of Dr. James E. Slosson. Tony Stirbys has put together the metro rail field trip and has secured the sponsorship of the constructors of the metro rail. a terrific effort was expended by Dr. Martin Stout of California State University Los Angeles for his production of the technical sessions. The Association would also like to recognize Eldon Gath, who has assisted the chairman in the production of the meeting and previous news letter editor, Tania Gonzales for her efforts in keeping the section notified.

*Very Truly Yours,
John W. Byer*

Chairman's Column

Our long awaited Association's annual meeting, hosted by us last month in Long Beach, is now over. Although current economics and the need to study for the geology exam at the end of October kept many of you from attending, it was a technically excellent program. Those of you who could attend had lots of information to share and exchange and friends to meet.

Many technical publications were also available for sale at the meeting, including our field trip guidebooks, short-course manuals, and special publications. For example, the proceedings from the meeting are published as a softcover book with a total of 740 pages. They are all excellent technical papers, not simply abstracts, related to the conduct of engineering, environmental and groundwater geology. In addition, the new Southern California Section's special publication, "*Engineering Geology Practice in Southern California*", edited by Proctor and Pipkin, was available for sale at the meeting. It is literally hot-off-the-press. It is a hardcover book with a total of 769 pages. It currently costs about \$65.00 for a limited time. Portions of proceeds of sales go to the Association and also to our Section. Buy a first edition copy of this classic reference before it sells out from Star Press (415-591-3505). This is but an example of books related to local geology and engineering available from AEG, many of which are sold at our local monthly meetings.

After the meeting I now really appreciate the volunteer nature of our organization. Certainly the Southern California Section is the largest section of AEG, but we would not be as respected an organization if we were on our own. During the course of preparing for the annual meeting many of us felt overwhelmed with the work that needed to be done, in addition to the pressures of doing work for which we get paid. Sponsors were also extremely helpful in funding the meeting. Thanks will be gratefully extended to those individuals in future columns. I for one was glad that my short course on groundwater was done. However, on the Saturday and Sunday following the meeting, the chairmen from all of the AEG sections met at the Sheraton for the semi-annual business meeting, called the "Board of Director's Meeting". At this meeting we "go over the books" in detail, seeing where our money goes to expenses and how we get income. I concluded that almost all of the income from our modest membership dues goes to publishing and distributing the AEG Bulletin, the AEG NEWS magazine, the monthly section Newsletter, and notices for membership renewals and special notices. What money we do pay to people to keep AEG going is essentially slave labor wages.

The bottom line is, we need new members, to improve the services of AEG and to enrich our organization with the energy of new people. **We need YOU to actively seek out new members.** For this reason a copy of a membership application form is included with the newsletter this month. On the other side of this page is a copy of the sponsor form for you to fill out to sponsor a new member. Make copies of these forms and convince your associates and staff to join AEG. **Your best shot to get new members is this month.** Christmas expenses have yet to occur and new members will get full value of services for the upcoming year.

As you know the benefits of joining AEG are many. Listed below are some of the key benefits that come to my mind, not necessarily in order of importance. You probably know other benefits important to new members. Share them with prospective members.

Networking - meeting people working in your field or related fields at the local meetings. (This may include meeting people at other section meetings like I did in Washington state recently.)

Publications - Quarterly AEGNEWS, Quarterly Bulletin, Monthly Section Newsletter, & Field Trip Guidebooks.

Local Monthly Meetings- At the Montebello Quiet Cannon Restaurant half of the time and at other Southern California locations, frequently as joint meetings with other professional organizations, e.g., ASCE-Geotech.Group, SDAG, South Coast GS.

Membership Directories - Association annual membership directory listing and Section membership photographic directory (most complete version available through Kelly Rowe).

Field Trips - Special-Impromptu and Annual Short Courses - held at annual meetings around the country and during the year through sections.

Ties to Lobbyists in Sacramento and Washington D.C., et.al., who alert us to changes in legislation and regulations and help us propose legislation through officials.

Potential participation and leadership in various committees related to membership, professional registration, publications, field trips, legislation, education and public relations.

As a member of the association it's great to enjoy its benefits. However, for us to move forward we need to have more action from you, now. The time is right now, for you to have a brief or extended stint as an active participant, rather than as a passive observer in the Association. Talk to prospective members and get them to join. I was frankly surprised by the positive reception I got from several young geologists when I explained the history and goals of AEG and the benefits of membership. I will probably get credit for 5 new members submitting applications to us by the time you read this. However, we need at least 50 more new members to join AEG in Southern California before January 1st. Talk up the Association and get involved.

You have to take an active role in the recruitment and sponsorship of new members. Don't count on me or the membership chairman to follow up completely with processing new membership applications. We are volunteers also. Consider yourself, **NO YOU ARE,** a member of the membership committee.

You are thinking small if you think membership in a solely local or solely national professional organization is good for your professional development. AEG is unique in that it is *both* local and national. Those who only subscribe to the Section newsletter are *not* AEG members-and should be flogged for saying they are. Therein lies a key difference of our organization to other organizations. AEG has been serving the interest of engineering, environmental and groundwater geologists since 1957. After looking at the books it's a bargain at twice the price. More members will allow us to afford additional services and make AEG more interesting. **LET'S DO IT!**



APPLICATION FOR MEMBERSHIP
ASSOCIATION OF ENGINEERING GEOLOGISTS
INSTRUCTIONS TO APPLICANT
(Print or Use Typewriter)

Please read enclosed AEG APPLICATION INSTRUCTIONS AND SUMMARY OF MEMBERSHIP INFORMATION and select membership class. Applicants for Member (M) complete the entire form. Applicants for Associate Member (AM) and Affiliate Member (AF) complete only page 1 of the form. Applicants for Student Member use the Student member application form. If insufficient space is provided for any item, attach additional sheets as necessary to complete forms. Mail the **original** completed application form to the AEG Executive Director with a check or money order for the appropriate membership class dues. See the enclosed SUMMARY OF MEMBERSHIP INFORMATION for the current amounts.

Send **original** application forms to: **EDWIN A BLACKKEY, JR., EXECUTIVE DIRECTOR**
ASSOCIATION OF ENGINEERING GEOLOGISTS
323 Boston Post Rd., Suite 2D
Sudbury, MA 01776

I. APPLICANT:

Name _____
(Printed in form for AEG certificate.)

Addresses: (Please check box for preferred mailing.)

- Home _____
_____ Home Phone: _____
- Business _____
_____ Business Phone: _____

FOR ASSOCIATION USE ONLY	
SECTION	HEADQUARTERS
Type	Check number
Section	Check date
Approved by	Check amount
Date	Source
	Ex. Dir. Approval

II. MEMBERSHIP CLASS: (Check appropriate boxes.)

New Member:

Reclassification:

- Member (M)
 Associate Member (AM)
 Affiliate Member (AF)

- TO:
 Member (M)
 Associate Member (AM)
 Affiliate Member (AF)

- FROM:
 Associate Member (AM)
 Affiliate Member (AF)
 Student Member (SM)

III. EDUCATION:

College or University (give city & state)	Dates From To	Major	Geoscience Semester Hrs*	Degree Received
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

*Convert quarter hours to nearest full hour semester hours by multiplying by 0.66

IV. SPONSORS (AEG Members) and REFERENCES (colleagues):

Sponsors for Member (M) Class, please complete sponsor forms. Circle number to indicate sponsor credited for application.

Sponsor	Reference	Name	Business Address	AEG Membership Class
1. <input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____
		Telephone	Relationship to Applicant	Signature
2. <input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____
		Telephone	Relationship to Applicant	Signature
3. <input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____
		Telephone	Relationship to Applicant	Signature

V. AFFIDAVIT:

I have read the instructions and membership qualification requirements. I certify to the best of my knowledge and belief all entries on this application are true and correct. I consider myself qualified for the class of membership for which I am applying. I have attached a check for the amount indicated in the instructions.

Signature of Applicant _____ Date _____

ATTACH CHECK HERE

VII. PROFESSIONAL SOCIETY AFFILIATIONS:

Organization	Membership Class	Date Attained

VIII. SELECTED PUBLISHED TECHNICAL REFERENCES AUTHORED BY APPLICANT:

List using standard reference convention.

IX. PROFESSIONAL REGISTRATION OR CERTIFICATION:

List separately for each applicable state or registration/certification.

Registration Type	State	Number	Date Attained

AEG APPLICATION INSTRUCTIONS

1. INSTRUCTIONS TO APPLICANT FOR **Member Class Only**

- (a) Complete the entire application form, provide all information requested.
- (b) Application for Member class (new Member or reclassification) requires the applicant to obtain the sponsorship of 3 Members of AEG in good standing, who complete the AEG sponsor forms without reservation. The sponsor form is separate from this application; sponsor forms are available if needed from the Section Membership Chairperson, AEG Executive Director or the Association Membership Manager. **Only Members (not Associate Members, Affiliate Members, or Student Members) can serve as sponsors for a Member applicant.** Contact potential sponsors for willingness to support your candidacy and to obtain their addresses and telephone numbers.
- (c) After completion of the membership application make copies of the completed form for yourself, Section Membership Chairperson, and each sponsor. Retain for your records both a copy of the application and of your payment.
- (d) Submit the **original** 4-page application form to the Executive Director with a check or money order for the appropriate member class. **The annual dues in U.S. dollars payable on a U.S. bank, and payable to the Association of Engineering Geologists must accompany your application for processing to begin.** The amount of dues is indicated in the SUMMARY OF MEMBERSHIP INFORMATION.
- (e) Submit one copy of the completed membership application to the Section Membership Chairperson and one copy of the completed application along with a sponsor form to each sponsor.

2. INSTRUCTIONS TO APPLICANT FOR **Associate, and Affiliate Only**

- (a) Complete at least page 1 of the application form.
- (b) For **Affiliate Member Class**, the signature of one AEG member sponsor of any membership class is required. For **Associate Member Class**, the signature of one AEG Member sponsor and the signatures of two character references are required. References of the applicant must be thoroughly acquainted with him personally and professionally; references need not be AEG members.
- (c) Sponsor forms are not required for these membership classes.
- (d) After completion of the membership application, make a copy of page 1 for yourself and the Section Membership Chairperson. Retain for your records both a copy of page 1 and of your payment. Submit one copy of page 1 to the Section Membership Chairperson.
- (e) Submit the original completed application to the Executive Director with a check or money order for the appropriate member class. **The annual dues in U.S. dollars payable on a U.S. bank, and payable to the Association of Engineering Geologists must accompany your application for processing to begin.** The amount of dues, is indicated below in the SUMMARY OF MEMBERSHIP INFORMATION.

3. INSTRUCTIONS TO ALL APPLICANTS

- (a) For further information contact the AEG Executive Director, AEG Membership Manager or the local Section Membership Chairperson.
- (b) Mail the **original** completed application form to the AEG Executive Director with a check or money order in U.S. dollars, for the appropriate membership class dues:

EDWIN A. BLACKKEY, JR. EXECUTIVE DIRECTOR
ASSOCIATION OF ENGINEERING GEOLOGISTS
323 Boston Post Road, Suite 2D
Sudbury, MA 01776.

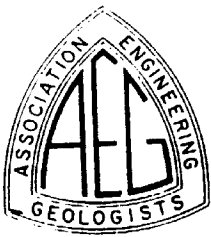
SUMMARY OF MEMBERSHIP INFORMATION

MEMBERSHIP CLASS AND ANNUAL DUES

QUALIFICATIONS

MEMBERSHIP CLASS AND ANNUAL DUES	Education	Experience	Sponsor Requirements	Rights and Privileges
Member (M) ** Annual dues \$70.00	Degree in geology, engineering geology or geological engineering — OR — Degree in related professional field & completion of 30 semester hours of geosciences.	5 years post-baccalaureate professional experience in engineering geology (including one year of complex work in responsible position) Graduate geologic studies experience equivalent credit: 2 yrs. for PhD; 1 yr. for M.S.	Membership sponsor forms submitted by 3 AEG Members	1. Vote in Association 2. Hold Association office 3. Vote in Section 3. Hold Section office 5. Sponsor all classes of membership 6. Chair/Serve on Association and Section committee 7. Advertise AEG affiliation 8. Receive all publications 9. Listing in Directory
Associate Member (AM) ** Annual dues \$60.00 initially; annual dues \$70.00 after five years of AEG membership	Same as Member	Engaged full time in the practice of engineering geology or working under supervision or in close association with professionally qualified geologist or engineers	1. Signatures of 1 AEG Member sponsor and 2 senior professional references familiar with work. The references need not be AEG members. 2. Student Members may reclassify to Associate Member upon graduation; this requires signatures of 1 AEG Member and either 2 senior professionals that are familiar with your work or 2 professors responsible for academic training.	1. Vote in Association 2. Vote in Section 3. Hold Section office (except Chairperson or Treasurer) 4. Chair Section committees, except membership 5. Serve on Association and Section committees 6. Receive all publications 7. Listing in Directory
Affiliate Member (AF) ** Annual dues \$55.00	Scientist/engineer working with engineering geologists; person interested in advancement of engineering geology. Persons who qualify as a Member or Associate Member are ineligible to join as an Affiliate Member.	Signature of 1 AEG member sponsor on application form	1. Hold Section office (except Chairperson and Treasurer) 2. Chair Section committees, except membership, registration and legislative affairs 3. Serve on Association and Section committees 4. Receive all publications 5. Listing in Directory	

** Annual dues amounts quoted are for U.S.A. residents; annual dues for all membership classes is \$55.00 for non-U.S.A. residents



ASSOCIATION OF ENGINEERING GEOLOGISTS

MEMBERSHIP SPONSORING FORM

USE TYPEWRITER OR PRINT LEGIBLY

(For Sponsorship of all FULL MEMBERS)

Name of Applicant _____

Member _____ Associate _____ Academic & Research _____

Sponsor's Name (Printed) _____

Member Sponsor's Section _____

Non-Member Sponsor's Company or University _____

Upon completion this form should be mailed to:

Chairman, Membership Committee _____ Section _____

Street Address _____

City _____ State/Country _____ ZIP _____

Note to sponsor. You must be thoroughly familiar with the professional qualifications of the above applicant. Also, you must be a Full Member in good standing of the Association of Engineering Geologists to serve as a sponsor for a new Full Member. Please complete and mail this form within two (2) weeks of receipt to the Chairman, Membership Committee listed above. (Use reverse side if additional space is required.)

1. What is your professional relationship to the applicant? _____

2. How long have you known the applicant on a professional basis? _____

3. In what specialty areas of Engineering Geology or Geological Engineering do you consider the applicant most capable? _____

4. Would you be willing to hire, or recommend that others hire the applicant to advise or perform professional work in these specialty areas? _____

5. To your knowledge, what is the nature of the applicant's experience that qualifies him or her as a potential Full Member of the Association? _____

6. Additional information which should be brought to the Membership Committee or Executive Council regarding the applicant. _____

7. Signature of Sponsor: _____ Date: _____

ACTION	DATE
1. Reviewed by: Chairman, Section Membership Committee	
2. Reviewed by: Assn. Membership Chairman	
3. Reviewed by: Exec. Council	

FOR ASSOCIATION USE ONLY

Other side used? yes no

BOOK SALE

Association of Engineering Geologists, Southern California Section

- Blake, T., and Larson, R.A., Eds., 1991, Engineering Geology along the Simi-Santa Rosa fault system and adjacent areas. Simi Valley to Camarillo, Ventura County, California: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, August 24, 1991, volumes 1 and 2, 383 pgs., 4 map sheets. **\$40.00**
- Buckley, C.I., and Larson, R.A., Eds., 1990, Geology and Engineering Geology of the western Soledad Basin, Los Angeles County, California: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, November 3, 1990, 185 pgs., 2 map sheets. **\$25.00**
- Buesch, D., Ed., 1979, Geomorphic Applications in Engineering Geology: A State-of-the-Art Short Course: Short course held at California State University at Los Angeles, November 10-11, 1979, reprinted by the Southern California Section of the Association of Engineering Geologists, 145 pgs. **\$11.00**
- Byer, J.W., Ed., 1975, Sycamore Canyon Fault, Verdugo Fault, York Boulevard Fault, Raymond Fault, and Sierra Madre Fault Zone: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, September 27, 1975, 68 pgs. **\$ 8.00**
- City of Los Angeles, 1982, Geologic Maps of the Santa Monica Mountains, Los Angeles, California: 333 map sheets at 1" = 400', compiled by the Bureau of Engineering, Department of Public Works, City of Los Angeles, reprinted by the Southern California Section of the Association of Engineering Geologists, 342 pgs. **\$26.00**

1992 NEW ADDITIONS

AEG National Meeting Guidebooks - October 2-9, 1992

Earthquake Geology San Andreas Fault System, Palm Springs to Palmdale. **\$25.00**

Engineering Geology Field Trips for Orange County, Santa Monica Mountains, and Malibu.

"Geology of Long Beach, California". Bulletin of the Association of Engineering Geology, Volume XX, Number 1. February 1983. Limited supply, **\$5.00**

Southern California Section AEG Field Trip Guidebook:

Landers Earthquake of June 28, 1992, San Bernardino County, California. Limited Supply **\$8.00**

Shurman, G. and Slosson, James, 1992, Forensic Engineering. Environmental Case Histories for Civil Engineers and Geologists., Academic Press **\$49.95**

Books are available from: Joe Cota, Publications Chairman, AEG Southern California Section, c/o GeoSoils, Inc., 6634 Valjean Avenue, Van Nuys, California 91406, (818) 785-2158. Make checks payable to AEG Southern California Section. **Please add 8.25% sales tax and the following postage/handling charges:** \$2.50 for the first book and \$0.50 for each additional book.



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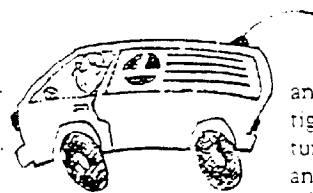
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Seminars/Meetings/Field Trips

NOVEMBER 1992

10 Southern California Section, AEG Meeting. Airtel Plaza Hotel, Van Nuys, California. CONTACT URS (714) 660-7676

17 California Integrated Waste Management Board, "Development of Closed Landfills", Ontario Airport Marriott Hotel, CONTACT Albert Johnson (916) 255-2485 or Bob Fujii (916) 255-2491 (see below for additional information).

DECEMBER 1992

7 Joint Meeting Southern California Section AEG/South Coast Geologic Society. Revere House, Santa Ana, California. CONTACT URS (714) 660-7676

7-11 American Geophysical Union, Fall Meeting, San Francisco, California.

"DEVELOPMENT OF CLOSED LANDFILLS"

The California Integrated Waste Management Board has planned a seminar on the "Development of Closed Landfills", to be held at the Ontario Airport Marriott Hotel, from 8 to 5, on November 17, 1992. The cost of the seminar is \$25.00 per person. Space is limited. For further information contact Albert Johnson at (916) 255-2485, or Bob Fujii at (916) 255-2491.

Text from brochure... "Closed landfills are increasingly being utilized as mixed use developments and open space. Post-closure use of landfill properties requires careful planning and design. This seminar will include technical and regulatory experts on post-closure development issues. They will provide background information on specific concerns and discuss case histories of existing developments on closed landfills."

Kathleen R. Williams
AEG Newsletter Editor
c/o GeoResearch
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