

# GEOTECHNICAL ENGINEERING DIVISION



## MEETING NOTICE

### CHAIRMAN

RONALD JOHNSON  
OPTERRA INCORPORATED  
9303 CHESAPEAKE DRIVE, SUITE A-1  
SAN DIEGO, CALIFORNIA 92123  
(619) 495-0500

### VICE-CHAIRMAN

RON TANENBAUM  
DAMES & MOORE  
9665 CHESAPEAKE DRIVE, SUITE 201  
SAN DIEGO, CALIFORNIA 92123  
(619) 541-0833

### SECRETARY/TREASURER

ROB TORRES  
GEOTECHNICS  
9951 BUSINESS PARK AVE., SUITE B  
SAN DIEGO, CALIFORNIA 92131  
(619) 536-1000

**Date:** Wednesday, January 8, 1997

**Time:** Social: 5:30 p.m.

Dinner: 6:30 p.m.

Program: 7:30 p.m.

**Place:** Qwiigs Bar and Grill  
5091 Santa Monica Avenue  
San Diego, California 92107  
(619) 222-1101

**Dinner:** Choice of a 7 oz. Prime rib, a chicken breast stuffed with rosemary and chevre, or fresh fish. Dinner served with house salad, chivetta bread, roasted new potatoes, vegetable, and coffee or hot tea. Entree choice to be made at the door. \$20.00 per person. Please make reservations with the receptionist at Geotechnics (619/536-1000) by noon Monday, January 6, 1997. If you make reservations and fail to attend, you will be invoiced.

**Speaker:** Dr. T. Leslie Youd - BYU

**Topic:** Liquefaction and Lateral Spread of Soils

Liquefaction of saturated granular soils and consequent ground deformation are major causes of damage to constructed works during earthquakes. In particular, lateral spread has pulled apart or sheared shallow and deep foundations, severed pipelines and other lifeline structures, buckled bridges, and displaced or toppled retaining walls. The most widely used method for evaluating liquefaction occurrence is the "simplified procedure" developed by the late professor H.B. Seed and his colleagues. Results will be briefly reviewed from a 1996 workshop sponsored by the National Center for Earthquake Engineering Research. This workshop convened a group of experts to update and augment the "simplified procedure". Development and application of the Bartlett and Youd equations for predicting lateral spread displacement will also be discussed.

**THIS IS A JOINT MEETING WITH THE SAN DIEGO ASSOCIATION OF GEOLOGISTS.**

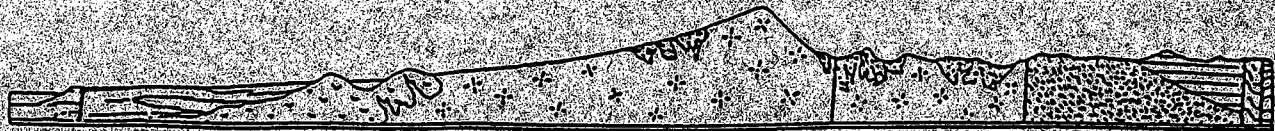
*Please make your reservations with either ASCE or SDAG - but NOT BOTH*

**Professional Services Directory**

If you are interested in displaying your business card in the  
ASCE Geotechnical Division's Newsletter,  
please contact Rob Torres (536-1000).

*Rob Torres  
Geotechniques  
9951 Business Park Drive, Suite 3  
San Diego, California 92131*

**Announcements**



# SAN DIEGO ASSOCIATION OF GEOLOGISTS

## 1996 EXECUTIVE COMMITTEE

### PRESIDENT

Anne Sturz  
Univ. San Diego  
Marine/Environmental Stds  
Alcala Park  
San Diego, CA 92110-2492  
(619) 260-4096

### VICE-PRESIDENT

Tissa Munasinghe  
Univ. San Diego  
Marine/Environmental Stds  
Alcala Park  
San Diego, CA 92110-2492  
(619) 260-4099

### SECRETARY

Werner Landry  
Development Services Dept.  
City of San Diego  
1222 First Avenue, ms 401  
San Diego, CA 92101-4154  
(619) 236-7251

### TREASURER

Lowell Lindsay  
Sunbelt Publications  
1250 Fayette St.  
El Cajon, CA 92020  
(619) 258-4911

## JOINT MEETING NOTICE

SDAG & ASCE

WEDNESDAY, JANUARY 8, 1997

**SPEAKER:** Dr. T. Leslie Youd  
Department of Civil and Environmental Engineering  
Brigham Young University

**TOPIC:** LIQUIFACTION AND LATERAL SPREAD OF SOILS

**PLACE:** Qwigg's  
Santa Monica Ave.  
San Diego, CA 92107  
222-1101

**TIME:** 5:30-Social hour  
6:30-Dinner  
7:30-Talk

**DINNER:** Seafood of the day.

**COST:** \$20.00

**RESERVATIONS REQUIRED** by noon Monday January 6th. Please phone in your reservation to Werner Landry at (619) 236-7251. Leave name, number in party and affiliation. Please call Werner if you need to cancel your reservation. If you have special diet requirements, contact Anne Sturz by Monday January 6th.

## ABSTRACT

Liquifaction of saturated granular soils and consequent ground deformation are major causes of damage to constructed works during earthquakes. In particular, lateral spread has pulled apart or sheared shallow and deep foundations, several pipeline and other lifeline structures, buckled bridges, and displaced or topples restraining walls, bulkheads, etc. The most widely used method for evaluating liquifaction occurrences is the "simplified procedure" developed by the late Professor H. B. Seed and his colleagues. Results will be briefly reviewed from a 1996 workshop sponsored by the National Center for Earthquake Engineering Research. His workshop convened a group experts to update and augment the "simplified procedure." Development and application of the Bartlett and Youd equations for predicting later spread displacement will be discussed.

## ANNOUNCEMENTS

**MEMBERSHIP RENEWAL** Your membership dues for 1997 are due and payable. Please use the attached form to renew your membership. You can either mail your form plus dues to Lowell, or you can bring the form and dues to the January meeting.

Greg Cranham has been elected our Treasurer for 1997. Congratulations Greg.

# 1997 MEMBERSHIP FORM

## SAN DIEGO ASSOCIATION OF GEOLOGISTS

Please check preferred Mailing Address

NAME \_\_\_\_\_

RESIDENCE \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMPANY/SCHOOL  
ADDRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PHONE \_\_\_\_\_

HOME \_\_\_\_\_

WORK \_\_\_\_\_

DUES

student member

\$5.00

regular member

\$15.00

corporate/individual sponsor

\$100.00

new member? \_\_\_\_\_

continuing member? \_\_\_\_\_

DATE \_\_\_\_\_

PLEASE MAKE CHECKS PAYABLE TO SDAG AND MAIL TO

Lowell Lindsay  
Sunbelt Publishing  
1250 Fayette St.  
El Cajon, CA 92020

Membership dues may also be paid at the monthly dinner meetings.

ELEVENTH ANNUAL

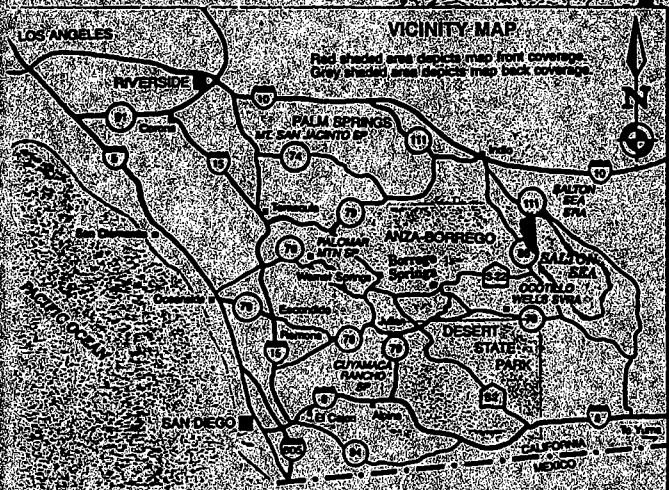
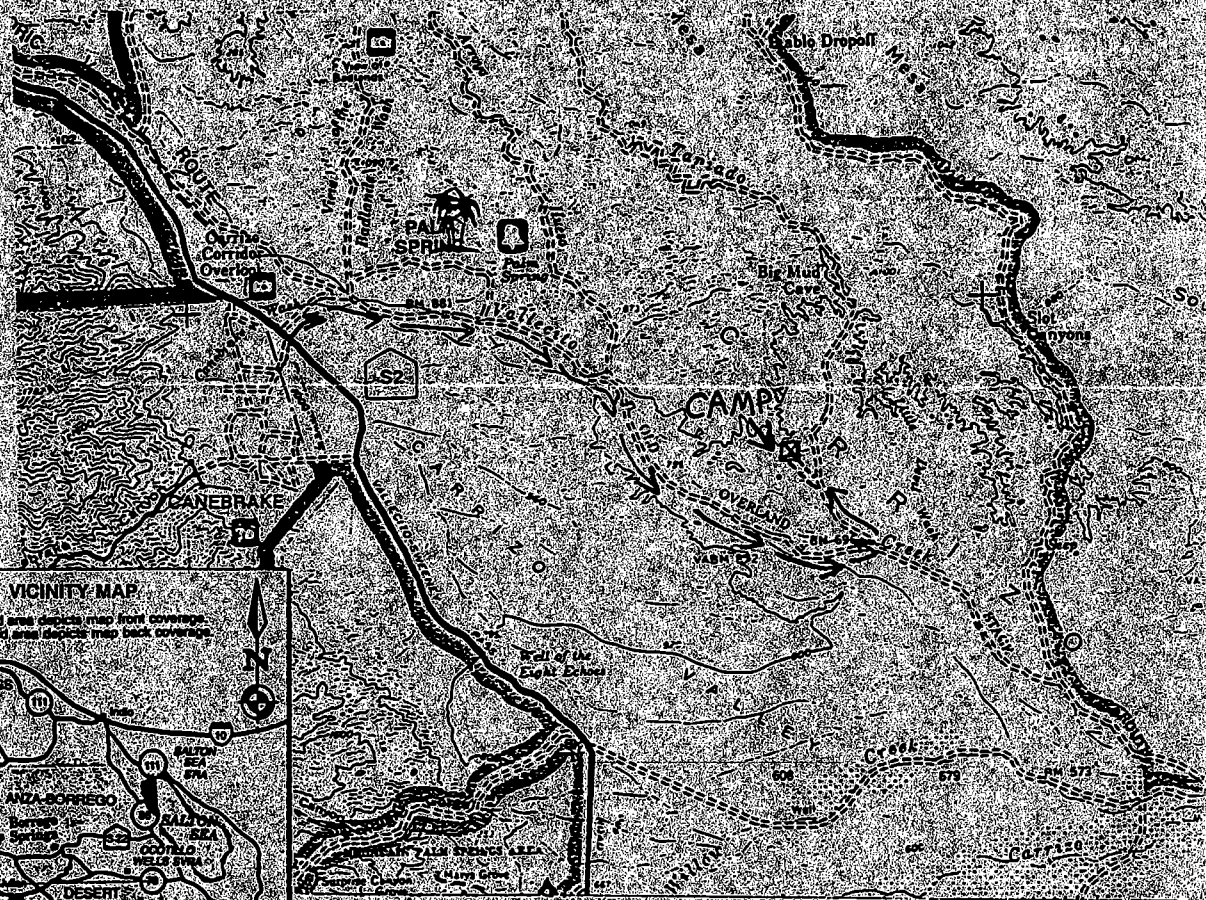
S.D.S.U. ALUMNI WINTER FIELD TRIP

ARROYO TAPIADO, ANZA-BORREGO

Field Trip Date: February 21, 22, 23, 1997

Directions to camp: From Scissors Crossing at the intersection of Banner Grade (HWY 78) and San Felipe Road (S2) - The Great Southern Overland Stage Route of 1849, drive approximately 26.4 miles to the southeast on S2, (21.9 mi north from Ocotillo) turn left (east) at the "PALM SPRING" sign, located near Canebrake. Drive approximately 4.6 miles on Vallecito Creek Wash to the "ARROYO TAPIADO" sign. Turn left (north) up Arroyo Tapiado approximately 1.4 miles to fork in road. Take (west) left fork 0.5 miles to campsite. Look for Bill's ☺ signs.

We will be monitoring CB Channel 11 and 2-Meter Ham Radio frequency 147.15 MHz.

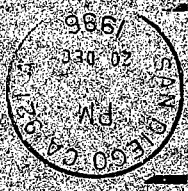


As in the past, this will be a dry camp, so bring everything you will need. Bring your Family and Friends - the more the merrier!! Please note that the Park may charge a \$5 day use fee per vehicle. Please call Lyné Perry (ph/fax 619-445-3928) for details.

In order to reduce costs, we will be purging our mailing list. If you want to remain on the list for 1998, contact Lyné Perry by March 30, 1997. SDAG members should continue to receive a flyer.

92019 9200 02

Tanges, Susan E  
1465 E. Lexington Ave. #7A  
El Cajon, CA 92019



San Diego Association of Geologists  
% Werner Landry  
Development Services Department  
City of San Diego  
1222 First Avenue, MS 401  
San Diego, CA 92101-4154

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