



SAN DIEGO ASSOCIATION OF GEOLOGISTS

1995 EXECUTIVE COMMITTEE

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MEETING ANNOUNCEMENT

Wednesday October 18, 1995

Location	The Torrey Pines Lodge 11480 North Torrey Pines Road La Jolla, CA 92037 (619) 453 - 4420	Time	Social Hour 6:00 Dinner 7:00 Program 8:00
Dinner	Tossed Green Salad, Chicken Oscar (Chicken Breast Sautéed with Crab meat and Asparagus Spears, Glazed with Hollandaise Sauce), Rice Pilaf, Fresh Seasonal Vegetables, Rolls and Butter, Beverage, New York Cheesecake.		
Cost	\$ 23 (Please make check payable to SDAG).		

Reservation Required by 5:00 p.m. Monday October 16th. Please call Tissa at (619) 260-4099 for reservations. Leave Name, Number in party, and Affiliation. Please call Tissa if you need to cancel your reservation. If you have any special diet requirements (i.e. vegetarian), contact Phil Rosenberg at (619) 454-2313.

Speakers : Robert B. McEuen, Ph.D., Manager for Technical Development, and Edward P. Gustafson, Chief Geophysical Analyst, The Geophysics Group.

Topic: Geophysical Grave Inventory at El Campo Santo Cemetery, San Diego, CA.

Abstract

A geophysical survey consisting of ground penetrating radar and electromagnetic methods was conducted at the El Campo Santo Cemetery, located at 2410 San Diego Avenue in Old Town State Park, for the purpose of identifying unmarked graves. A total of 158 grave-related anomalies were identified. Of these 128 were located within the existing adobe walls of the cemetery, 17 were located beneath San Diego Avenue (which borders the cemetery on the west), and 13 beneath Linwood Street (which borders the cemetery on the east). Some of the locations, by virtue of their size, may represent either multiple graves, or multiple burial within a single grave. The 158 identified locations may actually represent on the order of 170 separate graves.

The graves were identified in the radar records as characteristic signatures caused by changes in the electrical properties in the grave shafts. In addition, some locations were characterized by large anomalous electromagnetic response due to the presence of buried metal.

Archeological investigations at two of the locations supported the geophysical interpretations. A large electromagnetic response in the northern portion of the cemetery was shown to be due to buried sections of a cast iron ornamental fence. An excavation at the location of a compelling radar anomaly uncovered a portion of the grave shaft with a width of approximately 4.5 feet.

While it is believed that all of the larger accessible grave shafts have been detected, it is estimated that on the order of 40 graves remain undetected in the survey area. There is, however, little quantitative basis for this estimate without more extensive archeological investigation.

ANNOUNCEMENTS

1. 1995 SDAG Field Trip: The 1995 annual San Diego Association of Geologists field trip to Anza Borrego Desert on October 21 and 22 will be lead by Paul Remeika, Paleontologist, Anza Borrego Desert Park. For additional information please contact Anne Sturz (at the October meeting, or voice: 619 260-4096, fax: 619 461-2644, email: asturz@teetot.acusd.edu].
2. November Meeting will be on Wednesday the 15th, at the Spaghetti Factory. Plan for the annual Poster Session.
3. December Meeting will be on Wednesday the 13th, at the Natural History Museum. The speaker will be Tom Demery, and Mexican cuisine will be served.
4. GET INVOLVED: SDAG is currently accepting nomination for the position of Treasurer for 1996. If interested contact an executive committee member.
5. 1995 Corporate and Personal Sponsors: THANK YOU!
My apologies for mistakenly omitting the name of Corporate Sponsor Daryl Streiff in previous news letters.

Daryl Streiff, Allied Geotechnical Engineers, Joe Corones, William J. Elliott, Earth Resource Mapping, F & C Drilling Company Inc., Gallagher Drilling Service, Geotechnical Exploration, Inc., Group Delta Consultants Inc., Hargis + Associates, Barbara Johnston, The JMA Group of Companies, Perry and Nona Crampton, Robertson Geotechnical, Inc., (Gail) Fast Eddie Hammond, Dr. Anne Sturz, Tony Sawyer - Consulting Hydrogeologist, Transglobal Environmental Geochemistry, TPS Technologies Inc., Woodward-Clyde Consultants, Zeiser-Kling Consultants, Carole Ziegler, Soil Wash Technologies.
6. Deadline for announcements to be included in the November Newsletter will be 5 pm October 27. Please submit your items in writing to Tissa Munasinghe (8929 Scorpius Way, San Diego, Ca 92126), or fax to (619) 260-6804.
7. Position Available: Registered Geologist Needed for long-term contract in Oahu, Hawaii. Must have experience with hydrocarbon contamination assessment and remediation, vapor extraction system design. Contact Jason Beck at Onsite Governmental Staffing, (619) 552-8485.
8. Engineering Geologist from Europe with extensive foreign experience seeks entry level position. Flexible, hard working, with excellent field expertise. English speaking, computer literate, willing to relocate. Please call Andrew. Phone (619) 488-2609.

HAVE A GREAT HALLOWEEN!



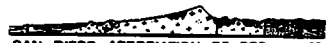
PUBLICATIONS ORDER FORM

<u>Quantity</u>	<u>Title</u>	<u>Cost Each</u>	<u>Total</u>
_____	Natural History of the Coronado Islands Baja California, Mexico. (1978) (Limited Availability)	\$10	_____
_____	Guidebook for Round-trip Flight to Colorado Plateau. Shelton, Crowell, and Davis (1979)	\$5	_____
_____	Map Sets Only - Pleistocene and Eocene Geology of Encinitas and Rancho Santa Fe Quadrangles. (1983) 3 Maps.	\$5	_____
_____	Landslides in Crystalline Basement Terrain San Diego County. Evans (1988)	\$12	_____
_____	Seismic Risk in the San Diego Region. (Proceedings) Roquemore, Tanges, and Wright (1989)	\$10	_____
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_____	Geological Excursions in Southern California and Mexico. Walawender and Hanan (1991)	\$12	_____
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_____	Colorado Desert and Salton Trough Geology. Corones (1993)	\$12	_____
_____	Geology and Natural History of Camp Pendleton, United States Marine Corps Base. Rosenberg (1994)	\$15	_____

Please make checks payable to SDAG. All costs include shipping.

Send order form to:
 Anne Sturz
 6466 Bonnie View Dr.
 San Diego, CA 92119

Ship to:



SAN DIEGO ASSOCIATION OF GEOLOGISTS
San Diego Association of Geologists
8929 Scorpis Way
San Diego, Ca 92126



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

SAN DIEGO ASSOCIATION OF GEOLOGISTS 1995 FIELD TRIP

THE SAN DIEGO ASSOCIATION OF GEOLOGISTS 1995 ANNUAL FIELD TRIP WILL BE HELD ON SATURDAY AND SUNDAY, OCTOBER 21-22. THIS YEARS TRIP WILL EXPLORE THE PALEONTOLOGY AND GEOLOGY OF THE ANZA BORREGO DESERT STATE PARK. THE TRIP WILL HIGHLIGHT THE STRATIGRAPHY, SEISMOLOGY, AND FOSSIL RESOURCES OF THE STATE PARK AS WELL AS THE WESTERN SALTON TROUGH. GEOLOGIC STOPS WILL EXAMINE SYN-DEPOSITIONAL SEDIMENTS OF THE VALLECITO-FISH CREEK BASIN AND BORREGO-SAN FELIPE BASIN; ACTIVE FAULTS INCLUDING THE COYOTE CREEK AND CLARK FAULTS OF SAN JACINTO FAULT ZONE, THE TIERRA BLANCA MOUNTAINS FRONTAL FAULT AND VALLECITO CREEK FAULT OF THE ELSINORE FAULT ZONE; INVERTEBRATE FOSSILS FROM THE PROTO-GULF OF CALIFORNIA; ANCESTRAL COLORADO RIVER DELTAIC SEDIMENTS; LOCALLY-DERIVED HEMPHILLIAN TO RANCHOLABREAN-AGE VERTEBRATE-BEARING ALLUVIAL SEDIMENTS, AND MUCH, MUCH MORE.

SATURDAY WILL BEGIN OUR ADVENTURE AT OCOTILLO WITH A DRIVE NORTH ALONG COUNTY ROAD S-2. FOR THOSE WITH 2-WHEEL DRIVE VEHICLES, MOST OF THE GROUP WILL FOLLOW PAVED OR WELL GRADED DIRT ROADS TO SCISSORS CROSSING, THEN EAST AND SOUTH, TOWARD SPLIT MOUNTAIN. FOR THOSE WITH 4-WHEEL DRIVE VEHICLES, WHO ARE WILLING TO RISK THEIR VEHICLES AT DIABLO DROP-OFF, A SELECT FEW WILL BE GUIDED THROUGH THE VALLECITOS AND FISH CREEK BADLANDS AND OUT TO JOIN THE MAIN GROUP AT SPLIT MOUNTAIN. WE PLAN TO CAMP AT CLARK DRY LAKE ON SATURDAY NIGHT. SUNDAY WILL VISIT THE BORREGO BADLANDS, PRIMARILY ON PAVED OR WELL GRADED DIRT ROADS SUITABLE FOR 2-WHEEL DRIVE VEHICLES.

\$75 / PARTICIPANT

INCLUDES FOOD, BEVERAGES FOR THE TWO DAYS, PLUS THE GUIDEBOOK VOLUMES. FOR THOSE WHO NOT FOLLOW THE ROAD TRIP, TO STAY IN THE CAMPGROUND AND JOIN THE GROUP FOR SATURDAY DINNER AND SUNDAY BREAKFAST ONLY, WITHOUT RECEIVING THE GUIDEBOOK, COST WILL BE \$15 PER PERSON. THE TRIP WILL LIMITED TO 50 ROAD TRIP PARTICIPANTS (25 VEHICLES) ON A FIRST PAY FIRST RESERVED BASIS. MAKE YOUR RESERVATIONS NOW!

MAIL THE FORM BELOW TO:

ANNE STURZ

6466 BONNIE VIEW DRIVE

SAN DIEGO, CA 92119

FAX TO ANNE AT: 619 461-2644

NAME _____ NUMBER OF PARTICIPANTS _____

AFFILIATION _____ PHONE _____

ADDRESS _____

2-WHEEL ROUTE _____ 4-WHEEL ROUTE _____

PLEASE ENCLOSE CHECK PAYABLE TO SDAG.

Southland Geotech. Consultants
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El Cajon, CA 92021

