



SAN DIEGO ASSOCIATION OF GEOLOGISTS

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<http://www.znet.com/~sdag>

MEETING ANNOUNCEMENT

Wednesday, February 18, 1998

Place: The Tickled Trout
Ramada Inn, Hotel Circle
2151 Hotel Circle South, S.D.
Phone: (619) 291-6500

Time: 6:00 - Social Hour
7:00 - Dinner
8:00 - Program

Dinner: Chicken (coq au vin), wild rice, fresh vegetables, tossed green salad, chef's special dessert.

Cost: \$ 20.00 per person (Students \$ 10.00 with ID)

Reservations Required by 5:00 pm Friday, February 13. Please call the SDAG Reservation Line at Hargis + Associates, Inc.: (619) 454-0165, Extension 190. Contact Greg Cranham with any questions.

Speaker: Chuck Pryatel, San Diego County DEH, Site Assessment and Mitigation Division

Program: Underground Storage Tank Contaminated Sites: The Corrective Action Process and Current Issues Impacting Closures Today

Abstract

Property contaminated with petroleum from underground storage tanks (USTs) presents a threat to public health and groundwater resources. Contaminated sites can also represent a significant economic liability for the property owner or other identified responsible party.

State law and regulations outline the corrective action process to assess and remediate contaminated UST sites. However, remediation technologies and all cleanup levels are not specifically defined. In addition, recent policies at the State level have changed how we look at assessment and remediation strategies and cleanup levels. Information regarding gasoline oxygenates have also added new questions to the cleanup level puzzle. The Site Assessment and Mitigation Division is working to integrate applicable State laws and regulations with these emerging issues to protect public health and groundwater resources and close contaminated UST cases.

Speaker

Chuck Pryatel is the Chief of the Site Assessment and Mitigation (SA/M) Division of the San Diego County Department of Environmental Health. The SA/M Division is responsible for the oversight of UST and other contaminated site cleanups in San Diego County. Chuck has 17 years of experience in environmental management, with 13 years in the areas of hazardous waste, hazardous materials, USTs, emergency response, and site assessment and mitigation.

Chuck holds an MBA from San Diego State University and a BA in Biology from the University of California, San Diego. He also received a Professional Certificate in Hazardous Materials Management from the UC San Diego Extension, and is a Registered Environmental Health Specialist in the State of California. He is also President of the Association of Hazardous Materials Professionals.

Upcoming Meetings:

March 18:	Mike Chapin, <i>A Modern Soils Lab at Geocon</i>
April 15:	Steve Polls and Kevin Waldick, <i>Thesis Presentations</i>
May 20:	John Hoffman, <i>Foundation Repair and Site Stabilization</i>
June 17:	Mike Hart, <i>Investigations of Landslides on Mt. Soledad</i>
July 15:	Vera Berger, <i>Ground Motion and Liquefaction</i>
August 19:	Tim Boardman, <i>Imperial Valley Geothermal Update</i>
September 19:	SDAG/ASCE/SDSU Geology Annual Picnic
October 10-11:	SDAG Field Trip: <i>Imperial and Mexicali Valleys</i>
November 18:	Andy Rindell, topic to be announced
December 16:	Tom Deméré, <i>San Diego Natural History Museum Paleontology Update</i>

Newsletter:

Please submit information, ads (business card size), announcements or suggestions to the Secretary, Greg Cranham, for inclusion in the next newsletter. Any news regarding upcoming events that may be of interest to the Association or news of your business will be considered. Don't forget to advertise your business in the newsletter - it may be seen by potential clients - and it's free to corporate sponsors! The deadline for the next newsletter is March 2, 1998.

The Gordon Gastil Endowed Scholarship Fund:

This SDSU endowment will provide full scholarships for advanced training in research and study for future students at the highest academic levels. The endowment recognizes Professor Gastil's pioneering work in the reconnaissance mapping of Baja California and the development of our geologic understanding of California on both sides of the border. The San Diego Association of Geologists is proud to support this new scholarship and has donated \$ 1,000 to kick off the fund. In addition, there is an offer to match contributions from SDAG members who wish to give to this good cause, up to a total of \$1,000. We urge you to support these goals with your personal and corporate donations. Contact the College of Sciences Development Coordinator, Sharon Milligan, at (619) 594-1937 for more information.

1998 Corporate Sponsors:

Thanks to our Corporate Sponsors for 1998! Their generosity allows us to plan the annual field trip and produce field guides, to host the fall SDAG/SDSU picnic on Mission Bay, and to provide scholarship funds to local geology students. Our new Corporate Sponsors are:

- Catlin Engineering Assoc., Inc.
- Bill Elliott
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1998 SDAG FIELD TRIP and CALL FOR PAPERS:

Tentative plans have been made for the annual field trip and associated publication entitled "Geothermal Resources and Geological Features of the Imperial and Mexicali Valleys". Field trip dates are the three-day weekend of October 10-12, 1998. Proposed sites on the itinerary include geothermal power facilities on both sides of the border, faults and other tectonic features characteristic of the Salton Trough and Colorado River delta, and the Cerro Prieto volcano. Saturday night and optional Sunday night camp will be southwest of Laguna Salada in palm-studded Guadalupe Canyon. This site offers natural hot tubs within the Sierra Juarez fault zone, reminiscent of a combination of Borrego Palm Canyon and Agua Caliente Hot Springs.

Earth science papers, related to any aspects of the above areas or topics, are needed for the annual publication. Please send proposals or abstracts to Lowell Lindsay via mail or e-mail or, call to discuss possibilities. You are also welcome to attend the planning meeting of the field trip committee, at 5:30 pm on February 11, 1998, at the San Diego Brewing Company (Mission Gorge and Friars Roads).

ANNOUNCEMENTS:

The annual SDSU Geology Alumni field/camping trip will be February 14-16, 1998, near Searchlight, Nevada. Participants can tour the Castle Mountain Mine, with heap leaching gold extraction process. The encampment will be a dry camp in the ghost town of Juan, Nevada. All are welcome! See the enclosed flyer for details. Contact Tony Sawyer or Joe Coronas for more information.

The 44th Annual Tucson Gem and Mineral Show will be held on February 12-15, 1998, at the Tucson Convention Center. For more information, call (520) 322-5773 or e-mail tgmsb@azsstar.net.

The Cordilleran Section of the Geological Society of America will meet at the CSULB Pyramid, Long Beach, on April 7-9, 1998. Contact Dr. Stan Finney at (562) 985-8637 for more information. SDAG and the South Coast Geological Society will share a booth in the Exhibit Hall to sell publications. We need volunteers to help man the booth! Please contact Sue Tanges at (619) 442-8022 (or e-mail: s.tanges@worldnet.att.net) if you are available.

The Pacific Section of the American Association of Petroleum Geologists will meet in Ventura on April 29 to May 1, 1998. Contact Jon Schwalbach (Exxon) at (805) 494-2245 for more information.

The Geology Department at SDSU is considering offering a preparation course for the California Geologist Registration exam. If you or any of your associates would be interested in such a course, please contact Dr. Katy Bertine at 594-6269. A minimum number of students will be required before the course can be offered.

The National Association of Geoscience Teachers (NAGT) presents: **SOUTH AFRICA: ITS GEOLOGIC WEALTH, RESOURCES AND BEAUTY**; July 28 to August 20, 1998.


The trip begins and ends in Johannesburg, traversing spectacular scenery from the east in Kruger National Park and west to the Atlantic Ocean at Langebain and Cape Town, exploring mineral wealth in the Velds (High, Middle, Low, Bush, etc.), and taking us through the entire system of rocks outcropping in South Africa, from the oldest in the Barberton Mountains, through the Witwatersrand System, the Karoo System, to the present. Mines include platinum in the Marensky Reef; gold in Johannesburg; tin, copper, banded ironstone in the Watersberg; coal in Witbank coal fields; and we go underground for diamonds in Kimberly. Other sites include Vredefort, the oldest and second largest impact crater on Earth; Pangaeon glaciation in the Dwyka tillites; Table Mountain in Cape Town; cratons; Augrabies Fall; vineyards, etc.

The cost is projected to be approximately \$ 4,000. per participant. For more information contact Dottie Stout (Cypress College, Cypress, California 90630) or e-mail at gaea@deltanet.com.

Check out the *new SDAG web site* at <http://www.znet.com/~sdag>, operated by Carolyn Glockhoff. Any suggestions can be forwarded directly to Carolyn (carolion@aznet.net) or to Greg Cranham.

Dues are due for 1998. If *exp* appears above your name on the mailing label, we haven't received this year's dues. If you haven't renewed your membership, please fill out the attached form and send it along to the Treasurer, Barbara (Belding) Birnbaum of Bechtel. We thank you!!

HIGHLIGHTING OUR 1998 CORPORATE SPONSORS:



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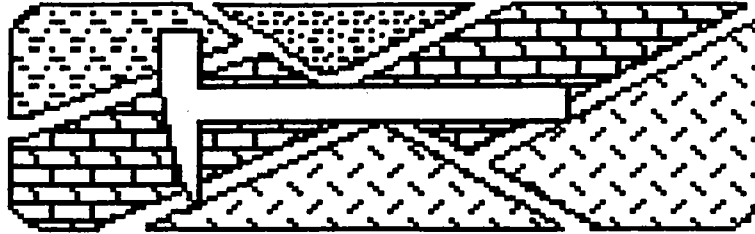
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**TWELFTH ANNUAL
S.D.S.U ALUMNI FIELD TRIP
CASTLE MOUNTAINS, MOJAVE NATIONAL PRESERVE
Field Trip Date: February 13, 14, 15, & 16**

ACTIVITIES

This year's trip is on a three day weekend (President's Day). We have arranged for a tour of an active heap-leach gold mining operation, the Castle Mountain Mine operated by the Viceroy Gold Corporation. This tour will occur on Saturday, Feb. 14th at 10:00 a.m. If you want to go on the tour, there will be waiver forms to fill out at the camp. They also would like us to bring hard hats (a few will be available at the mine) and carpool in our personal vehicles. The tour should last two to three hours.

Nearby Mitchell Caverns (one of the few limestone caverns in California) will be open that weekend with tours at 10, 1:30 and 3:30 each day. Fee for the tour is \$6 adults, \$3 kids, 25 persons/tour. There are also a number of old mines in the area, providing opportunities for collecting azurite, malachite, native copper, chalcedony, etc.

FACILITIES

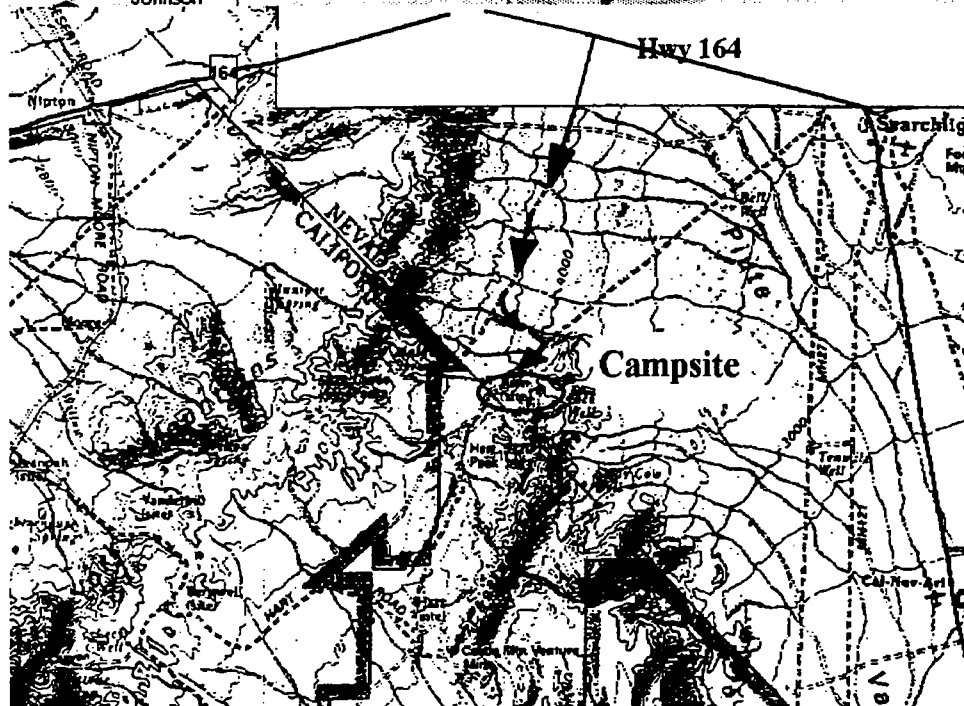
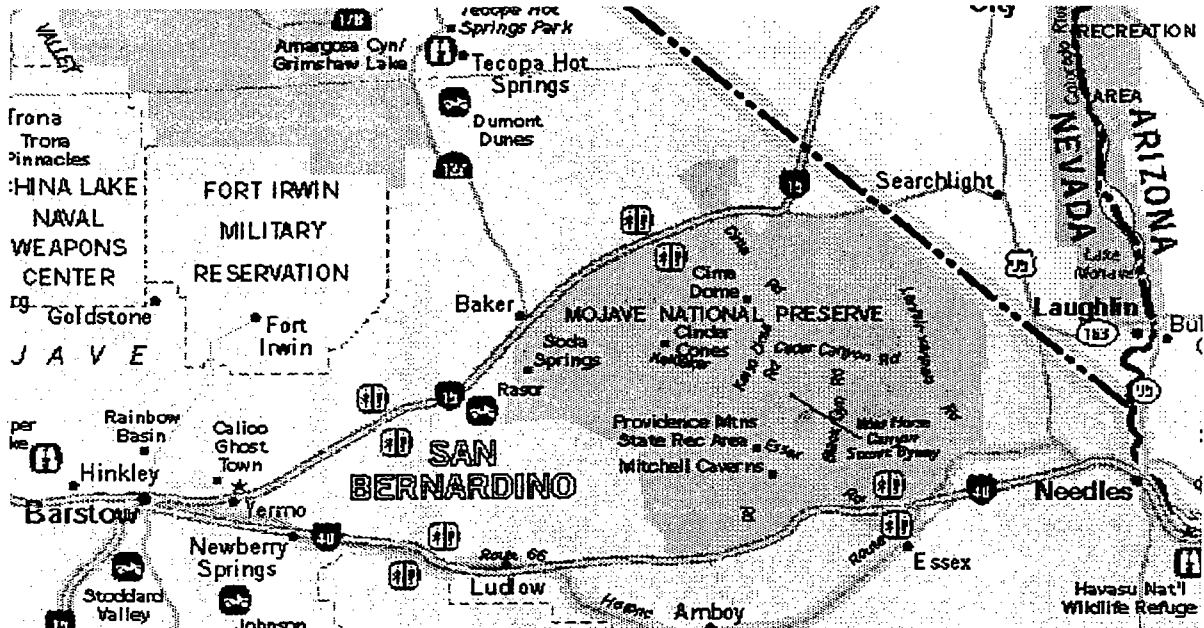
We will be camping at Juan, the remnants of a ghost town just on the other side of the state line in Nevada. There are no facilities at the camp, so bring what you need. Expect that it will be cold at night (in the 30's). There is no fee and ground fires are permitted. The town of Searchlight is within ten miles of the camp, down moderate to good dirt roads. Searchlight has gas, a couple of stores, a casino, and motels (El Ray Motel, 702-297-1144 & Kay Motel, 702-297-1770, Nevada is in the same time zone as California).

COMMUNICATIONS

We will be monitoring CB-11 and 2-Meter Ham simplex 146.520. Repeater and cell phone use is limited near camp, but improves with location. Any questions call Tony Sawyer, ph. 1-800-HYDROGEO, e-mail tvS@hydrogeologist.com.

DIRECTIONS

From Barstow, take I-15 north past Baker to the Nipton exit. Go east toward Searchlight for approx. 25 miles on Hwy 164. There will be a sign for Walking Box Ranch Road and SDSU Alumni signs. Go south on this graded dirt road approx. 8 miles and look for a road going east. This continues for approx. 1.5 miles to a T intersection, turn right and down into the wash. Continue up wash (southwest) for about a mile to camp.





SAN DIEGO ASSOCIATION OF GEOLOGISTS

1998 MEMBERSHIP FORM

NAME: _____

Please type or print clearly, and check preferred mailing address below.

Residential Address: _____



Office/School Address: _____



Field(s) of Interest: _____

Phone: Home: () _____ Work: () _____

Fax: () _____ **e-mail:** _____

Check here to receive newsletters via e-mail:

Dues:	_____	Student Member	\$ 5.00
	_____	Regular Member	\$ 15.00
	_____	Corporate Sponsor	\$100.00

New Member Continuing Member

Date: _____ Check for change of mailing address:

Please enclose a check payable to SDAG, and mail to:

Barbara Birnbaum
Bechtel
401 W. "A" St., Suite 1000
San Diego, California 92101-7905

*Dues may also be paid
at monthly meetings.*

Thank you!

SUSAN E. TANGES
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