



# SAN DIEGO ASSOCIATION OF GEOLOGISTS

[www.sandiegogeologists.org](http://www.sandiegogeologists.org)

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## SDAG MEETING ANNOUNCEMENT

**Wednesday March 20, 2002**

### **“WHY IS MARS RED?”** *presented by* **DR. GARY PETERSON**

**Where:** **Tom Hams Lighthouse, Harbor Island**  
2150 Harbor Island Dr  
San Diego, CA 92101  
(619) 291-9110

**When:** 6:00 pm – Social Hour  
7:00 pm – Dinner  
8:00 pm – Program

**Directions:** Near the Airport. Going toward the Airport on Harbor Drive, past the Terminal 1 entrance, take a LEFT at the light for Harbor Island Drive. Bear RIGHT on the traffic circle and drive to the western tip of Harbor Island. You will drive right into the parking lot for the Lighthouse.

**Dinner:** A dinner buffet of Roast Beef, Baked Seafood in Lemon Butter, Pasta Alfredo, Rice Pilaf, Vegetable, Salad Bar and Cheesecake.

**Cost:** \$20 per person, students \$10 with ID

**Reservations:** Make your reservation **online** through the SDAG website at [www.sandiegogeologists.org](http://www.sandiegogeologists.org) or call the SDAG Reservation Line at: (619) 521-0165, ext. 190, by Monday, March 18. Contact Margaret Eggers at (619) 521-0165, ext. 132 with any questions.

**Speaker:** **Dr. Gary Peterson**

Dr. Peterson has been a professor at San Diego State University since 1963, teaching courses including Planetary Geology, Geology of North America, and Geology of our National Parks. He obtained a B.S. in geology from the University of Colorado and an M.S. and Ph.D. from the University of Washington. For more information, including the “Independent Planetologist”, visit Dr. Peterson’s SDSU faculty page at [www.geology.sdsu.edu/people/faculty/peterson/index.html](http://www.geology.sdsu.edu/people/faculty/peterson/index.html).

**Presentation:** **“WHY MARS IS RED”**

Mars is known as "The Red Planet." To understand why Mars is red we can look at red soils and red sedimentary rocks of the Earth. Hematite is the coloring agent and such rocks/soils are primarily formed in the tropical latitudes (30N to 30S). Although water is needed, red soils and rocks most commonly form in arid environments. Evidently Mars was tropical in the past (on a global scale) and the present extremely arid, subfreezing climate and polar ice caps postdate the formation of the red landscape. A major question concerns the source of oxygen needed to oxidize the landscape. Photochemical dissociation of water vapor and photosynthesis are the only possibilities. On the Earth, photosynthesis is the overwhelmingly important source for this process. Check out [www.rohan.sdsu.edu/~3gleep6/redmars.html](http://www.rohan.sdsu.edu/~3gleep6/redmars.html) for more information, photos and to see where this talk has been presented before SDAG, including Cal Poly and the Reuben H. Fleet Science Center!

## 2002 CORPORATE SPONSORS

Many thanks to ALL our 2002 Corporate Sponsors! And a Special THANK YOU! to Geotechnics, Inc. for their \$1000 contribution to SDAG. A significant portion of the SDAG operating budget is provided by corporate sponsorship. Please consider becoming a Corporate Sponsor! In addition to monthly recognition for your contribution, you will be entitled to a free internet "link" from the SDAG Website, and all Corporate Sponsors are listed in the front of the annual SDAG Field Trip Volume.

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## **2002 EXECUTIVE COMMITTEE**

**PRESIDENT**-Bob Stroh; *Kleinfelder, Inc.*; Ph: (858) 320-2000; fax: (858) 320-2001; [rstroh@kleinfelder.com](mailto:rstroh@kleinfelder.com)  
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**PUBLICATIONS** - Lowell Lindsay; *Sunbelt Publications*; Ph: (619) 258-4911 x111; fax: (619) 258-4916; [sunbeltpub@prodigy.net](mailto:sunbeltpub@prodigy.net)  
**WEBMASTER** - Carolyn Glockhoff; Ph: (858) 549-3396; [carolion@znet.com](mailto:carolion@znet.com)

## **ANNOUNCEMENTS:**

### **MARCH 23<sup>rd</sup> and 24<sup>th</sup>**

#### **SDSU and Community Colleges Spring 2002 Geology Field Trip, Anza-Borrego Desert – Elsinore Fault & Split Mtn Gorge Camping Sat night at Agua Caliente Regional Park**

*All SDAG members, SDSU students, faculty, staff, and alumni along w/ Community College geology students and instructors are invited!*

**Meeting Place:** Meet Saturday at noon in the town of Ocotillo at Ocotillo Treasures Unlimited (OTU) – a gas station/convenience store/restaurant in the middle of beautiful downtown Ocotillo. Take I-8 east to Imperial Hwy (S-2) turn left and go back under the freeway heading north (OTU) is on the right ¼ mile up the road.

**Itinerary:** From Ocotillo we will head out to look at exposures of the Elsinore Fault along the nearby Coyote Mountains. We will make at least one additional stop before heading to our Agua Caliente campsite. There will be a short evening program on the local geology. Sunday we will head east on S-2 to Split Mountain gorge making at least one stop along the way. We will spend several hours looking at the Split Mountain rocks and discussing the rift history of the western Salton Trough. Fieldtrip will end early to mid-afternoon on Sunday. Reserve your spot for the trip by going to the website at [www.geology.sdsu.edu/fieldtrip](http://www.geology.sdsu.edu/fieldtrip). Click on the "Reservations" link and fill in your information – space is limited – so reserve early! Deadline is March 20th. A modest charge of \$5 gets you a camping site and dinner Saturday night (bring your own drinks) as well as continental breakfast Sunday morning. **You must bring** Camping gear for Saturday night – water and drinks for yourself – lunch for Saturday & Sunday. We have reserved the group campsite at Agua Caliente County Park on S-2 for Saturday night. You can check out these facilities at [www.co.san-diego.ca.us/cnty/cntydepts/landuse/parks/camping/agua\\_caliente/agua\\_caliente.html](http://www.co.san-diego.ca.us/cnty/cntydepts/landuse/parks/camping/agua_caliente/agua_caliente.html)

Remember – no dogs allowed at this site!

**Upcoming 2002 Meetings:**

April 17 <sup>th</sup>	Student Presentations, Eva's Cantina and Cocina
May 8 <sup>th</sup> (not 3 <sup>rd</sup> week)	Tentative Joint Meeting with SCGS at El Adobe in San Juan Capistrano
June 8th	SDAG/SDSU Picnic at Mission Bay
July 17th	Bill White and Greg Cranham, "Old Mission Dam and Flume", Tentatively at Mission Trails Park
August 21st	Mina El Fenomeno, Sierra Juarez, Baja California
September	SDAG Field Trip
Oct. and Nov.	To be announced
December	Annual Holiday Meeting

**2002 SDAG Dues:** Join SDAG! A membership form may be downloaded from the web site:  
[www.sandiegoogeologists.org](http://www.sandiegoogeologists.org).

**SDAG NEWSLETTER IS DIGITAL!** If we don't have your e-mail address, or your email address changes, or if you have problems with the electronic format please contact Margaret Eggers at  
[meggers@hargis.com](mailto:meggers@hargis.com).

**SDAG Wear:** - Monte has a variety of shirts, hats, visors and even a nice vest with the SDAG logo. A small selection is available for purchase at the meetings; all SDAG wear can be ordered from Monte.

**SDAG Scholarships:** - Please see Bob Stroh regarding potential candidates for 2002 SDAG scholarships.

**2001 Field Trip Guide:** The 2001 Field Trip Guide will be available in April 2002.

**2002 Field Trip:** Pat Brooks is planning the 2002 SDAG Field Trip that will feature the geology and mineral resources of northern Baja California. This will be a joint field trip with Universidad Autonoma de Baja California (UABC) in Ensenada. Jorge Ledesma Vasquez, Geology Chairman, will sponsor several coastal geology stops, including the Aqua Blanca Fault at Punta Banda. The abandoned scheelite mine, El Fenomeno, will be another stop. This site has granite pegmatite, skarn, and hydrothermal minerals! Now that the mine has been located, reconnaissance trips are being planned. We also need help locating local references, maps, and aerial photos. Please contact Pat if you are interested in sponsoring a field trip stop, helping prepare a paper, or helping out in other ways with the field trip. Thanks to Doug Peeler, David Stellar, and Ty Lyles for already volunteering. ***Woohoo!!! This is going to be a great trip.....***

**SDSU Geology Department Seminar Series** – Wednesday Afternoons - The seminar announcement page is at: [www.geology.sdsu.edu/seminars/](http://www.geology.sdsu.edu/seminars/)

**Raft Trip - \$2002 in Y2002!** Join your geo-pals on an eight-day Grand Canyon raft trip in late June 2002. Yes, we anticipate that the cost will be close to \$2002 – if you would like more info, contact Sue Tanges, 619-442-8022 or e-mail, [s.tanges@att.net](mailto:s.tanges@att.net)

The Dibblee Geological Foundation has two **new** maps out in print!

**Santa Cruz Island West** and **Santa Cruz Island East**. All full color folded maps are now \$15 each and flat maps are \$20 each. Please send orders to Jim Blakley, 958 Isletta Avenue, Santa Barbara, CA 93109.

## POSITIONS AVAILABLE:

- Hargis + Associates, Inc. is looking for a **Principal Civil Engineer** for their **San Diego office** in Mission Valley. Must be a California Registered Civil Engineer with 10+ years of experience in civil and geotechnical/environmental engineering. Mining Engineering experience a plus. Requires a Bachelors of Science in Civil Engineering. Masters degree a plus. Candidate should possess strong writing and presentation skills, established industry contacts, be computer literate and knowledgeable of environmental regulatory framework at Federal, State of California and local level. Send resume in confidence to Kim Stransky, Hargis + Associates, Inc., 2365 Northside Drive, Suite C-100, San Diego, CA 92108. Hargis + Associates is a SDAG Corporate Sponsor.
- **CITY OF SAN DIEGO: ASSISTANT ENGINEER - CIVIL:** Two years of full-time professional civil engineering experience, **and, ASSOCIATE ENGINEER - CIVIL:** Three years of full-time professional civil engineering experience, which must include one year of full-time experience equivalent to the City of San Diego classification of Assistant Engineer – Civil. For details and application details, go to the City website and look under “Professional/Administrative” job postings. [www.ci.san-diego.ca.us/empopp/currjob/open.shtml](http://www.ci.san-diego.ca.us/empopp/currjob/open.shtml)
- Geocon Consultants, Inc., a San Diego-based environmental services firm, is seeking **Senior Staff** Geotechnical Engineer with 2 to 4 years experience. BSCE required, MSCE preferred. Registration desirable. Previous experience in land development a plus. **Project Geotechnical Engineer** with 3 to 5 years experience. BSCE required, MSCE preferred. Registration required. Experience in land development a plus. **Engineering Field Technician** with 2+ years experience desired but not mandatory. Land development and/or hillside experience a plus. E-mail resume to [hr@geoconinc.com](mailto:hr@geoconinc.com) or fax (858) 558-6159 or mail to Human Resources, 6960 Flanders Drive, San Diego. 92121. **Geocon**, Inc. is a **SDAG Corporate Sponsor**.
- **STAFF ENGINEERS & SOIL TECHNICIANS** – Southern California Soil & Testing, Inc. (SCST) has 2 - 3 positions available for experienced staff engineers and soil technicians with several years experience towards registration and certification. SCST offers a comprehensive compensation and benefit package, and the opportunity to work on a wide range of projects. Submit resumes in confidence to SCST, 6280 Riverdale Street, San Diego, California 92160-0627, Attn: Steve Jensen, or fax to (619) 280-4717.
- **Ninyo & Moore** has the following positions to be filled in San Diego:  
**Project-level Geotechnical Engineers and Geologists** (5+ years experience)  
**Staff and Senior Staff-level Geotechnical Engineers and Geologists** (2+ years experience)  
**Staff and Senior Staff-level Environmental Scientists, Geologists and Engineers** (1+ years experience); **Field Technicians** with appropriate soils and materials testing certifications;  
**Deputy Inspectors** for concrete, masonry, welding and structural steel. ICBO certification required, DSA and City of San Diego certification a plus. Please submit resumes in confidence to the Corporate Personnel Director at: Ninyo & Moore, 5710 Ruffin Road, San Diego, California, 92123, or via e-mail at [careers@ninyoandmoore.com](mailto:careers@ninyoandmoore.com). EOE. **Ninyo & Moore** is a **SDAG Corporate Sponsor**.
- **Remedial Project Manager (RPM)**, Base Realignment and Closure (BRAC) Operations Office, Naval Facilities Engineering Command, Southwest Division, San Diego, CA. The RPM is responsible for managing environmental (restoration and compliance) projects at these facilities, including overseeing day-to-day activities and reviewing/preparing documents associated with the Installation Restoration Program (IRP). The RPM manages various contractor personnel as part of overseeing the day-to-day activities. These efforts include report writing, field activities, and meetings with Navy/Marine Corps personnel, as well as regulators, the public and significant stakeholders. At least five years working in the environmental engineering field, including recent project management experience is required. Experience with DoD facilities and the IRP is highly desired. Send resumes via e-mail to: [DWhittaker@west.anteon.com](mailto:DWhittaker@west.anteon.com), or to Anteon Corporation Human Resources Department; 3430 Camino del Rio North; San Diego, CA 92108 Attn: Don Whittaker