



SAN DIEGO ASSOCIATION OF GEOLOGISTS

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SDAG MEETING ANNOUNCEMENT

Wednesday April 18, 2001

Where: **The Big Stone Lodge**
12237 Old Pomerado Road
Poway
Phone: (858) 748-1617

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

Dinner: Randy Jones/Buckboard Brand Barbecue buffet, featuring Barbecued Tri-Tip and Chicken, BBQ baked beans, red potato salad, cole slaw, rolls, chips & salsa; lemonade, iced tea, coffee; dessert.

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

Reservations: Make your reservation **online** through the SDAG website at <http://www.znet.com/~sdag> or call the SDAG Reservation Line at: (858) 974-6994, ext. 1760, before 5:00 pm Monday, April 16. Contact Pat Brooks at (619) 744-3083 with any questions.

Speakers: **SDSU Scholarship Winners: Brett Heitman and Mehrzad Maghsoudlou**

Mehrzad Maghsoudlou was born in 1963 in city of Gorgan, Iran. He currently lives in Orange County and works as an instructional assistant and observatory operator for Saddleback College Astronomy Division. He received a bachelor's degree in engineering geology from San Diego State University. After finishing high school in 1981 in Iran, the country had gone through a bloody revolution and was also fighting Sadam Hussein's forces on the western and southwestern borders. At the time, the universities were closed and remained closed for a few more years. Eventually, he was drafted to the military and survived the front lines of Ahvaz and Abadan oil fields for nearly two years. He came to the United States in 1988 and began his college carrier in 1995. Mehrzad finds science fascinating and powerful and enjoys learning science as much as applying it to real world problems.

Program: 1) Characterization of folds and faults in a transcurrent fault setting: Implications for subsurface extension of the Clark Segment of the San Jacinto Fault, and 2) Determination of the Orientation of Borehole Seismic Stations Through Analysis of recorded Seismograms

Abstract:

Three component seismic instrumentation deployed in boreholes commonly has unknown horizontal orientation. This affects the interpretation of data since the registered amplitude of a seismic wave depends on the orientation of the sensor. I analyzed signals received at borehole seismometers located at Thornton Hospital, La Jolla, CA. Data from the 1999 Hector Mine earthquake were systematically rotated and compared with expected particle motion to determine the absolute orientation of the sensors. The expected particle motion for P-waves is back and forth parallel to the direction of wave propagation and for S-waves perpendicular to the direction of wave propagation. The method was first tested using data from surface instruments with known orientation. Then, the method was applied to data from sensors at depth to determine their orientations. Data from the two types of instruments (Wilcoxon and Kinometrics) was found to be consistent.

UPCOMING 2001 MEETINGS:

May 16th	Phil Rosenberg of TAIC - cool GIS stuff
June 9th (Sat.)	Annual SDAG/SDSU Alumni Picnic
July 18	Tom Rockwell - Elsinore fault zone - a joint meeting with the Inland Geological Society – location in Temecula to be announced
August 15th	Alan Pace of Golder - tunneling for SD trolley
September 15 and 16	Annual SDAG Field Trip
October 17th	Dan Johnson, Jay Jones, and Chris Spengler of EBS – Brownfield Issues of the Downtown San Diego Ballpark
November	Tentative joint meeting with SCGS at El Adobe Restaurant, speaker Richard Escandon of Converse Consultants (tentative) – date to be announced
December 19th	SDAG elections, student scholarships, Tom Demere - SDNHM

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Please consider becoming a Corporate Sponsor or renewing your sponsorship of SDAG for 2001! In addition to monthly recognition for your contribution, you will be entitled to a free internet “link” from the SDAG Website, and we list our sponsors at the front of the SDAG Field Trip Volume.

ANNOUNCEMENTS:

SDAG NEWSLETTER IS DIGITAL! If we don't have your e-mail address, or if you have problems with the electronic format please contact Pat Brooks: gpbrooks@bechtel.com.

Last month's meeting at Tom Ham's Lighthouse had approximately 60 attendees for a fascinating discussion with Dr. Monte Marshall on the geology of Alaska. From glaciers to black gold – what a great talk! If you missed the March meeting, try to catch up with someone who attended.

Farewell to Barbara Johnston: - SDAG is sorry to inform its members of the passing of Barbara Joan Johnston on March 16, 2001, due to heart failure. Many of you knew Barbara - she was a native San Diegan, SDAG member, SDAG corporate sponsor, very active with the SDSU Geology Alumni Association and administrative manager with Southland Geotechnical Consultants. Barbara loved geology and her many geofriends. She especially loved her family and spent a wonderful life with her husband, Ian Johnston, visiting more than 60 countries during his career as a geologist. He predeceased her. She is survived by her three sons, her mother and two grandchildren. She will be fondly remembered as a most pleasant, kind lady. In lieu of flowers, Barbara requested donations be made to the SDSU Dept of Geological Sciences (or a charity of your choice).

SDAG Picnic – June 9th: The picnic is at the beginning of summer this year, not the end (since the field trip is in September), so don't go away on summer vacation until after June 9th!

Joint Meeting – GSA - Cordilleran Section and AAPG - Pacific Section: Universal City, Los Angeles, California on April 9-11, 2001. Many great field trips and an associated function "A Day in the Field with Tom Dibblee" are planned. For more info, see the GSA website, www.geosociety.org. SDAG would like booth volunteers for the GSA/AAPG meeting this month (April) in Studio City to help sell SDAG publications at a joint booth with SCGS. Contact Greg Cranham for details.

Calling All Former SDAG Officers: There will be a meeting of all the former presidents of SDAG this spring. The date is set for Saturday, May 12th. So if you're one of the 30+ people who have generously served as an officer for this fine organization, please mark your calendars. Yes, there will be beer. For more info, please contact our current Prez, Barbara Birnbaum.

SDSU Geology Department Seminar Series – Wednesday Afternoons - The seminar announcement page is at: <http://www.geology.sdsu.edu/seminars/>

First Notice and Call for Papers: The 2001 Desert Symposium, April 20-23, 2001 Desert Studies Center, Zzyzx, California. The 2001 Desert Symposium will be held at California State University's, Desert Studies Center at Zzyzx, on the shores of Soda Lake south of Interstate 15 between Barstow and Baker, California.

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

2001 SDAG Field Trip: Engineering Geology of San Diego County. Bob Stroh, Vice President of SDAG, is the field trip chair. The field trip is scheduled for September 15- 16. Every effort will be made to avoid conflicts with SCGS, AEG, and the GSA annual meeting. This trip will return to and focus on San Diego County. The trip will look at the geology of the region, including faults, landslides and unique features. There will be an emphasis on engineering geology. The schedule of topics/stops now includes: Saturday: Alan Pace - SDSU Trolley Tunnel Project; Lee Vanderhurst and Mike Hart - Chula Vista Lateral Spread; Pete Rutledge - Otay Rock Quarry and processing facility, and Sunday: Andy Rindell - Southwest Fisheries cliff stability. Other topics/stops are currently being planned. We will be spending Saturday night at the Lake Jennings campground with a catered dinner and continental breakfast the following morning.

FINAL CALL FOR ABSTRACTS: The 2001 SDAG Field Trip guidebook is still looking for interesting topics to be included in the publication this year. If you have something worthy of dissemination, the due date for abstracts is APRIL 30. Please contact Bob Stroh for additional information.

POSITIONS AVAILABLE:

- US Laboratories seeks Senior, Project, and Staff level Geotechnical Engineers and Geologists with 5 to 10 plus years experience, and experienced Field Technicians and Inspectors with appropriate certifications. Positions available in Ventura, Irvine, San Diego, and Las Vegas. Please submit resumes in confidence to: US Laboratories, Inc. (USLB), 7895 Convoy Court, Suite 18, San Diego, CA 92111, Attention Human Resources c/o M. O'brien, or by email to mobrien@uslaboratories.com. [Testing Engineers – San Diego](#) is a SDAG Corporate Sponsor.
- Bechtel Environmental, Inc. is seeking experienced professional staff in our San Diego office. A BS or MS in environmental, chemical or civil engineering is required, with a minimum of 4 to 5 years experience. CERCLA and RCRA experience a plus. The successful candidate will assist with providing technical input into CERCLA/RCRA investigation planning, execution and report writing with emphasis on data evaluation and presentation. Support for one or more projects both in the office and in field investigations will be required. 40-hour OSHA training desirable but not required. Send your resume to keumbarg@bechtel.com, or K. Umbarger, Bechtel Environmental, Inc., 1230 Columbia St., Suite 400, San Diego, CA, 92101.
- Geocon Consultants, Inc., a San Diego-based environmental services firm, is seeking Project Level Engineers or Geologists with site assessment and/or remediation experience. Minimum 5 years experience and registration required. California consulting experience preferred. Email resume to environmental@geoconinc.com or fax (858) 558-8437 ([Geocon](#), Inc. is a SDAG Corporate Sponsor).
- GEOSYNTEC CONSULTANTS, a national environmental consulting firm, seeks individuals for our San Diego office with BS/MS in geology or hydrogeology, with 1-3 years experience in environmental field work, including lithologic logging; monitoring well installation; soil, sediment, surface water, and groundwater sampling; aquifer and slug tests; and management of subcontractors. Ideal candidate will have good oral/written skills. Travel required; physically fit & clean driving record. Competitive salary with excellent benefit package. Fax resumes to (858) 674-6586 or email to twest@geosyntec.com.
- 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, Atten: Steve Jensen, or fax to (619) 280-4717.
- Dean Ryan Consultants has positions open for the San Diego and San Francisco area for entry-level geologists and environmental scientists positions available. Familiarity with RCRA/CERCLA, RI/FS and Work Plan development a plus but not necessary. Immediate employment available and for recent or soon to be graduated candidates. Work is in San Diego and San Francisco. Send Resume to: dvalentine@deanryan.com or fax: (619) 239-9821.
- [Ninyo & Moore](#) has the following positions to be filled include in San Diego: Project-level Geotechnical Engineers and Geologists (5+ years experience); Staff and Senior Staff-level Geotechnical Engineers and Geologists (2+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 our Corporate Personnel Director at: Ninyo & Moore, 5710 Ruffin Road, San Diego, California, 92123, or via e-mail at careers@ninyoandmoore.com. EOE.
- ENVIRONMENTAL TECHNICIAN - BBC Environmental, Inc. is an environmental consulting company specializing in groundwater monitoring, sampling, and remediation. We are looking for a field technician to perform groundwater and soil sampling and general equipment maintenance. This is a full-time, entry-level position with great potential for growth in our company. Science background, computer skills, mechanical abilities and 40 hour HAZWOPER training are a plus. Please send a resume to: Personnel, P.O. Box 462847, Escondido, CA 92046-2847. No phone calls please.

- Alexander & Drake, a retained executive search firm, is seeking **an Environmental Sciences Director** for a large multi-disciplined engineering firm. 10+ years of experience is required with a bachelors degree and preferably a post graduate degree. Management coursework and/or an MBA is a plus. Specific experience should include EIR and EIS environmental studies experience for NEPA and CEQA, as well as permit and consultation experience with the EPA and Army Corps of Engineers.. **Position is located in San Diego.** This individual would head up the interdisciplinary environmental science program. Lucrative compensation/benefits package. Also seeking a **Project/Program Manager** with storm water analysis and compliance experience to manage a storm water project. At least 3+ years of experience required. Position is based in San Diego. Mid-level environmental analyst – 5 years experience with extensive NEPA CEQA experience. Located in SD, but will support the Las Vegas office. Please send resume to bbklaft@mindspring.com (770) 521-0988 or fax to (770) 831-7977.
- Loyola High School of Los Angeles, Earth Science and Geology Teacher - founded in 1865, Loyola is an all-male, four-year, private Catholic college preparatory school run by the Jesuits. Typically, 99% of the graduates go directly to higher education, 95% to four-year colleges. Current enrollment is around 1170 with 87 faculty members. Bachelor's degree in the physical sciences required. Teaching credential, teaching experience, and masters degree preferred but not required. Pay commensurate with experience. Vacancy begins in August 2001. Please contact Andrey Aristov [\[mailto:aaristov@loyolahs.edu\]](mailto:aaristov@loyolahs.edu)

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<i>Santa Cruz Island Geology Field Trip Guide</i> Boles and Landry (1997)		15.00	
<i>Geology and Geothermal Resources of the Imperial and Mexicali Valleys</i> Lindsay and Hample (1998)		15.00	
<i>Water for Southern California</i> Cranham(1999)		15.00	
<i>Geology and Enology of Temecula Valley</i> Birnbaum (2000)		15.00	
<i>Engineering Geology of San Diego County</i> Stroh (2001)		(avail. 11/01)	
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4. Bookseller discount off list price is 40%,
 resale number required.

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