

SAN DIEGO ASSOCIATION OF GEOLOGISTS

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

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MEETING ANNOUNCEMENT

Monday, March 6, 2000

Where: **El Adobe De Capistrano**
31891 Camino Capistrano
San Juan Capistrano
Phone: 949/493-1163

When: 6:00 pm – Social Hour
7:00 pm – Dinner
8:30 pm – Program

Dinner: Beef taco and chicken enchilada, beans and rice, dinner salad, chocolate sundae and chips and salsa on the table.

Cost: \$20.00 per person; Students with ID: \$10.00; one free student with attending faculty member; walk in price \$30.00 per person.

Reservations: Make your reservation online through the SDAG website at <http://www.znet.com/~sdag> or call the SDAG Reservation Line at Ninyo & Moore: 858/974-6994, Ext. 1760, before noon on Friday, March 3. Contact Bob Stroh at Ninyo & Moore with any questions.

Program: **A Fault and its Fallout or Should you by a house in Carlsbad?**

Speakers: **Ali Sadr and Mike Chapin, Geocon Incorporated**

Ali Sadr received his Master of Science Degree in Geological Engineering from the University of Newcastle Upon Tyne, UK, in 1985. He has been involved with several international projects, including dams and deep foundations. In his 14 years at Geocon, he has managed numerous large-scale commercial and residential projects, many involving faulting and complex landsliding. He is a Senior Project Engineering Geologist at Geocon Incorporated, and is the project manager of the Mariano project (the presentation subject site).

Mike Chapin graduated from SDSU with a Bachelor of Science degree in Geology in 1977. He is licensed as an Engineering Geologist and Geotechnical Engineer, and has practiced in San Diego his whole career, with occasional jaunts to other parts of the western United States. He has conducted investigations on numerous faults throughout the state, including the San Andreas, Rose Canyon, San Jose, Elsinore, Calaveras, and Greenville faults. He currently serves as President of Geocon Incorporated.

Program Abstract:

Recent attention has been drawn by the print and television media to a fault and related geologic features exposed in a temporary slope within a residential grading project located at Aviara Parkway near Palomar Airport Road in the City of Carlsbad. Media coverage of the exposure raised public concern over the safety of housing, both within the subdivision where the fault lies, and in the surrounding developments. While the exposure was visually spectacular, the faulting associated with it is similar to dozens of faults in northern San Diego County. Prior to excavation of the buttress key that led to the notable exposure, the fault had been exposed in a slope excavated for the construction of Aviara Parkway just north of the project, and Pacific Soils also had mapped the fault on the residential project immediately south of the Mariano site. In this presentation, we will describe the efforts undertaken to assess the local and regional seismic risk related to the fault, and the decisions regarding site development based on the assessment. We also will address the effects of media attention on the public's perception of seismic risk.

UPCOMING 2000 MEETINGS:

April 19	Student Papers Presentation, Location TBA
May 18 (Thursday)	Roy Shlemon, Ph.D., Murrieta-Temecula Area Ground Fissures, Subsidence etc.
June 3-4	Tentative weekend for the 2000 SDAG Field Trip: Geology and Enology in the Temecula Valley
July 19	Joint meeting with the Inland Geological Society at the Hungry Hunter, Temecula, Speaker: Paul Remeika, Anza-Borrego paleontology
August 16	TBA
September 16 (tentative)	SDAG / ASCE / SDSU Alumni picnic. Ski Beach, Mission Bay
October 18	Joint meeting with the Society of Mining Engineers, location TBA, Speakers: David Peterson and George Jefferson on The Hydrothermal Origin of the Fish Creek Gypsum Deposit
November 15	TBA
December 20	Tom Deméré, San Diego Natural History Museum Paleontology Update, Scholarship announcements and SDAG elections.

2000 CORPORATE SPONSORSHIP

To all of our corporate sponsors, thank you very much! Their generosity allows us to plan the annual field trip and produce field guides, to host the SDAG/SDSU picnic on Mission Bay, support student participation at a greatly reduced price, produce this monthly newsletter, and to provide scholarship funds to local geology students.

2000 Corporate Sponsors

Bill Elliot	Geotechnics Incorporated
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Please consider becoming a Corporate Sponsor of SDAG. In addition to monthly recognition for your contribution, you will be entitled to a free internet "link" from the SDAG Website, and we plan to list our sponsors at the front of the SDAG Field Trip Volume.

SDAG NEWSLETTER:

If you have any information, announcements, ads or suggestions for an upcoming newsletter, please submit it to Bob Stroh (2000 SDAG Secretary). Any news regarding upcoming events that may be of interest to the Association or news of your business can be submitted. The submittal deadline for the April SDAG newsletter is Monday, March 27, 2000.

ANNOUNCEMENTS:

Last month's meeting at Qwiigs Bar & Grill was a great success. Dr. Thomas Rockwell spoke to the group of approximately 45 regarding the Izmit Earthquake located in Turkey. His discussion and slides gave us all an appreciation for what a "real" earthquake is capable of in terms of liquefaction, seismic induced subsidence, and ground shaking. In addition to the A+ presentation, the prime rib and salmon dinners were excellent.

The 1999 SDAG Field Trip volume has arrived! The publication will be available for purchase at our monthly meetings and at fine book stores around southern California. Field trip attendees can expect to receive their copy anytime now or don't wait and pick it up at the next meeting.

Membership Dues are due for 2000. If "exp" appears on your mailing address label, then it's time to renew your dues with SDAG. A membership form is included with this newsletter, so please fill it out and mail it in as soon as possible to our Treasurer. As always, please fill out a membership form with your current information, even if there is no change from last year, thank you.

The San Diego State University Department of Geological Sciences Annual Banquet will be hosted by the SDSU Geology Alumni Association on Friday, February 25, 2000, at the Holiday Inn on Murphy Canyon Road in San Diego. **Shannon O'Dunn** is this year's honored alumna and will also be the featured speaker. Her presentation is titled **Western Impressions: The Artists' Eye**. Everyone is welcome to join us. For more info, contact Sue Tanges or Barbara Johnston at 619-442-8022 or s.tanges@worldnet.att.net.

Deformation, Dinosaurs, and Darwin. For those interested in examining the Deformation of the Andes Mountains, Dinosaur Digs, and sites that Darwin visited while in Argentina during his voyage on the Beagle, examine the Geological Society of America web site for the particulars of the July 24 to August 13, GeoVenture to Argentina led by Jim Reynolds and Dottie Stout.

<http://www.geosociety.org/meetings/gv/gt002.htm>

Or for more information contact: Dorothy L. Stout, Ph.D. at Ph. 703 306 1665 x5851

FAX 703 306 0445 or e-mail: dstout@nsf.gov. <http://www.nsf.gov>

Grand Canyon Raft Trip - There are still a few spaces available for an 8-day motorized raft trip through the Grand Canyon scheduled for June 9-16, 2000. For more info, contact Sue Tanges at 619-442-8022 or s.tanges@worldnet.att.net.

CHEERS! The SDAG beer pint glasses are in and are available for \$10.00 each. They're great-looking, sturdy, and a "must" for every SDAG member! Buy one (or a few!) at the next meeting.

SDAG website: Carolyn Glockhoff continues to update and manage our ever-evolving website. If you haven't yet seen this excellent and useful resource, check it out at www.znet.com/~sdag. Also, send the URLs of your favorite geology sites to Carolyn (carolion@aznet.net) for listing on the Geologic Links page.

South Coast Geological Society (SCGS): The SCGS usually meets on the first Monday of every month, in Orange County. For more SCGS information, visit their new website at: www.southcoastgeo.org, or contact this year's SCGS President, Bill Goodman at (949) 442-2442.

Sincere thanks to Daryl Streiff, who generously donated a copy of every volume of SDAG publications from the SDAG founding in 1972 through 1995, with the exception of the years 1983 and 1984. These volumes are currently housed in the SDAG archive/library, which is located at Sunbelt Publications (contact Lowell Lindsay). These volumes are available to any SDAG member for perusal and research. Additionally, if you have any information leading to the identification and/or recovery of the 1983 or 1984 volumes, it would be greatly appreciated.

The Gordon Gastil Endowed Scholarship Fund continues to seek donations of any amount. Gifts of \$ 500.00 or more will be recognized on a plaque to be placed in the remodeled Geology Building. Donations can be sent through SDAG, or contact Pia or Marie, Department of Geological Sciences, SDSU, at (619) 594-5586.

Short Course Announcement: Dr. Roy Shlemon will be teaching a short course in Soils, with emphasis in Quaternary Geology, Soils, and Geoarchaeology. The course will be held during five (5) consecutive Saturday sessions tentatively beginning on March 4th, 2000, and will consist of 2 to 3 hours of instruction followed by lunch, then examination of specific sites in the field. Class size will be limited to 15 individuals. The course will be held at GeoSoils, Inc. in Carlsbad, California, and is co-sponsored by the International Foundation for Applied Research in the Natural Sciences (IFARNS), Gallegos and Associates, and GeoSoils, Inc. of Carlsbad. Fee for the course is \$150.00, payable to IFARNS. For further information contact: Gerry Kuhn, Executive Director of IFARNS, at (760) 942-6163.

2000 SDAG Field Trip: This year's field trip will be held during the first weekend in **June**, so mark your calendars now! We will be visiting the wine country in Temecula, so we want to avoid the wine "crush" in Fall, and free geologists up to attend other field trips in October! Please see the Call for Papers (in this newsletter) and contact Barbara Birnbaum (SDAG Vice President & Field Trip Chair) with any questions, suggestions, or ideas for this year's field trip!

POSITIONS AVAILABLE:

- **ENVIRONMENTAL BUSINESS SOLUTIONS, INC.** Growing, dynamic consulting firm seeks individual with minimum 3-4 years experience in San Diego County site assessment, subsurface investigations, and hydrogeology. Strong writing and communication skills a must. B.S. in geology/hydrogeology or related field. M.S. a plus. Send resume and salary history to Environmental Business Solutions, Inc., 8799 Balboa Avenue, Suite 290, San Diego, 92123. No phone calls please.
- **ENVIRONMENTAL TECNICIAN - 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 BBC Environmental, Inc., 1291 Simpson Way, Suite G, Escondido, CA 92029 or fax: (760) 740-1193 or e-mail info@bbcenvironmental.com. No phone calls please.
- **CAL STATE UNIVERSITY, SAN BERNARDINO.** The Department of Geological Sciences seeks a department chair (1/3 time-base) and petrologist at the level of Associate Professor or Professor for a position that will begin in September 2000. Primary teaching responsibilities (2/3 time-base, roughly two courses per quarter) will include Mineralogy, Optical Mineralogy, Igneous and Metamorphic Petrology, and Geochemistry, and other general geology courses as needed. A Ph.D. in the geological sciences and prior leadership experience are required. For more details and for application instructions, please see http://geology.csusb.edu/geo_ch99.htm or contact Sally McGill at smcgill@csusb.edu or at (909) 880-5347. Application deadline is February 14, 2000.
- **FIELD TECHNICIAN – Ogden Environmental and Energy Services** is looking for a field technician to conduct soil and water sampling, drilling oversight, groundwater monitoring, well construction and O&M of remediation systems. Must have satisfactorily obtained a HS diploma, some relevant experience/training, be mechanically inclined in the areas of piping, electrical components, and common computer software. Must be 40 hour HAZWOPER trained. If interested, please submit resume to OEEES, 5510 Morehouse Drive, San Diego CA 92121 or fax: (858) 458-0943. EEO/AA.
- **PETRA GEOTECHNICAL, INC.** The Environmental Division of Petra Geotechnical, Inc. has an immediate opportunity for a senior level Environmental Professional for its corporate office in Costa Mesa, which serves all of Southern California. Ideal candidate will play a key role in the positive development and growth of the division. Requirements include California Registered Geologist, as well as excellent communication skills, motivation, and ability to work as a team player is essential. Please send your resume (in confidence) to Marlaigne Hudnall @ Petra Geotechnical, Inc., Environmental Division, 3185-A Airway Avenue, Costa Mesa, CA 92626. EOE

- ANTHONY-TAYLOR CONSULTANTS, a full-service engineering and architectural firm, is currently seeking senior staff and project-level geologists and engineers for our northern S.D. county office. The ideal candidates will have experience in engineering and/or environmental areas and have good people skills. We offer an excellent compensation package as well as a pleasant work environment. We also have opportunities for soils technicians and special inspectors. For immediate consideration, please fax resume to (760) 738-8232; Attn: Bruce Taylor.
- GEOCON Incorporated is searching for talented people to help handle their ever-increasing workload. Currently openings:
 - ◊ Senior Staff Geotechnical Engineer with 2-4 years experience. BSCE required, MSCE preferred. Registration desirable. Previous experience in land development a plus.
 - ◊ Project Geotechnical Engineer with 3-5 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.

Please send resumes to: James E. Likins, President. Geocon Incorporated, 6960 Flanders Drive, San Diego, CA 92121-2974. Fax (619) 558-6159. No phone calls please. Geocon is an equal opportunity employer. **(Geocon, Inc. is an SDAG Corporate Sponsor)**

- GEOSYNTEC CONSULTANTS, a National environmental consulting firm, seeks individuals for our San Diego office with a BS or MS in geology or hydrogeology, with 1-3 years experience in environmental field work. Specific experience should include: lithologic logging; monitoring well installation; soil, sediment, surface water, and ground-water sampling; aquifer pumping test; 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 EOE M/F/V/D
- STAFF ENGINEERS & SOIL TECHNICIANS – Southern California Soil & Testing, Inc. (SCST) has positions available for experienced staff engineers and soil technicians. SCST is trying to fill 2-3 positions with geotechnical professionals 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. Resumes should be forwarded in confidence to SCST, 6280 Riverdale Street, San Diego, CA 92160-0627, Attention: Steve Jensen, or fax to (619) 280-4717.
- NINYO & MOORE, an equal Opportunity Employer, has several job openings in San Diego County and Southern Riverside County for Field Technicians with soil and concrete testing experience. ACI and nuclear gauge certifications are preferred. Please send resume or fax in confidence to: Mark Cuthbert, 5710 Ruffin Road, San Diego, CA 92123. 858/974-6989.

As a service to our members, SDAG welcomes job postings - either for jobs wanted or open positions. Please submit any geo-type Want Ads to the SDAG newsletter editor (current SDAG Secretary), Bob Stroh.



SAN DIEGO ASSOCIATION OF GEOLOGISTS

CALL FOR PAPERS – 2000 Field Trip Volume

Geology and Enology of the Temecula Valley

This is to announce that the 2000 San Diego Association of Geologists (SDAG) volume theme, associated with the annual field trip, will be ***Geology and Enology of the Temecula Valley***. The Field Trip chair will be Barbara Birnbaum, Vice President of SDAG.

OVERVIEW: The field trip is tentatively scheduled for the weekend of June 3-4, 2000 (the weekend after Memorial Day), and will focus on the Temecula Valley in Riverside County. The trip will look at the geology of the region, including adjacent fault zones and unique features. There will be an emphasis on local soil conditions and how they influence the quantity and quality of wine grape production.

PAPERS: All papers (of any length) relating to the geology, tectonics, sedimentology, geomorphology, hydrology, hydrogeology, or engineering aspects of these regions are welcome. Also welcome are any papers relating to vineyard site selection, grape-growing, wine production, etc. Historical and non-site-specific papers on this general theme are also welcome. If you are interested in writing or submitting a paper for the field guide, please contact Barbara Birnbaum, the 2000 Field Trip Chairman and SDAG Vice President (see newsletter header for contact info).

FORMAT: Text and tables should be provided by 3.5" diskettes in Microsoft Word or text format, with an identical hard copy included. Final page size will be 6" x 9", with black and white illustrations, photographs and tables. Illustrations should be print quality and camera-ready hard copy, legible when reduced to 6 x 9" format. Oversize maps will be considered, but this and other issues that may modify the volume should be discussed with the General Editor in advance. Photos may be color prints or slides, but black and white originals typically result in a higher quality print in the final volume.

For guidance on matters of style and composition, consult the *U.S. Geological Survey Suggestions to Authors* (now in its 7th edition), and/or the *Chicago Manual of Style* (now in its 4th Edition). For technical matters, it is anticipated that an informal peer reviewer will read a draft of each paper and provide comments and suggestions to the author(s).

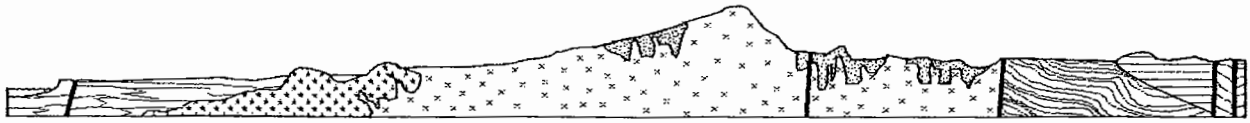
DEADLINES: Submittal deadline for papers is Friday, March 24th, 2000. This is an accelerated volume production schedule, with the intention of having the volume available for the field trip in June 2000. Please contact Barbara Birnbaum as soon as possible if you are considering submitting a paper for this volume, especially if you would like to discuss any special schedule considerations.

QUESTIONS & SUBMITTALS:

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January 2000



SAN DIEGO ASSOCIATION OF GEOLOGISTS

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*Dues may also be paid
at monthly meetings.*

Thank you! rev. 2/00

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