

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENT

Wednesday, August 16, 2006

NEW MADRID FAULT SYSTEM

presented by

Rebecca Minard

Where: Fat City Steakhouse and
Tropical Courtyard
2137 Pacific Highway
San Diego, CA 92101
619-2232-9303

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



Directions: Near the Airport, on the east side of Pacific Highway, just north of Hawthorne Street, just east of San Diego Bay and Harbor Drive.

Dinner: Mesquite Grilled Carne Asada, Mesquite Grilled Chicken, Cheese Enchilada, Vegetable Platter, Tortilla Chips / Salsa, Spanish Rice / Rancho Beans, Tortillas / Guacamole

Cost: \$20 per member and guests, \$10 for students. Add \$5 if you did not make a reservation.

Reservations: Make your reservation **online** at www.sandiegogeologists.org or call the SDAG Reservation Hotline at (619) 255-8380, **no later than 5:00 p.m. Monday, August 14th**.

**RESERVATIONS CANNOT BE ACCEPTED AFTER Monday AT 5 PM.
IF YOU DO NOT MAKE A RESERVATION, WE CANNOT GUARANTEE YOU A MEAL.**

2006 EXECUTIVE COMMITTEE

PRESIDENT - Phil Farquharson; *CG-Squared Productions* Ph(619)224-8463 fax(619)255-8380 geoguy@cg-squared.com

VICE PRESIDENT- David Bloom; *Anteon*; Ph: (619) 571-3470; vp@sandiegogeologists.org

SECRETARY – Scott Snyder; *Ninyo & Moore*; Ph: (858) 576-1000; sdag2006@prodigy.net

TREASURER - Sarah Gray; *University of San Diego*, Ph: (619) 260-4098; fax: (619)260-6874; sgray@sandiego.edu

PUBLICATIONS-Lowell Lindsay; *Sunbelt Publications*; Ph:(619)258-4911 x111; fax:(619)258-4916; llindsay@sunbeltpub.com

WEBMASTER – Carolyn Glockhoff; *Caro-Lion Enterprises*, Ph: (858) 549-3396; carolyn@caro-lion.com

BIOGRAPHICAL SUMMARY: REBECCA MINARD

Rebecca's association with our group is apparent kismet. Back in February, I needed to pay the deposit at Tom Ham's Lighthouse for our meeting, so I went upstairs looking for Judy (the banquets manager). I pulled up a barstool as I waited for her to return from lunch, and the friendly server commented on my Navajo ring that I happened to be wearing. This led to discussion of the granite (monzogranite?) countertop on the bar itself, and geology, and earthquakes, and on and on. I was very impressed with her enthusiasm and knowledge about New Madrid and Ohio Valley seismic events.

She carries a passion for Earth Science that began when she was growing up in Ohio. She felt her first earthquake in Marysville, Ohio, the epicenter of which was just across the river in Kentucky. She was fortunate enough to attend high school in Mount Vernon, Knox County, which has a very well-developed Earth Science curriculum. Her mentor, Dan Dewald, taught her geology, oceanography, meteorology, and environmental studies. She also studied history, in particular the writings of Tecumseh, and the treatment of Indians and slaves in the Ohio River valley.

Her talk will include the happenings of the three great quakes of 1811 and 1812, which made the Mississippi River run backward for a time, and rang church bells in Charleston and Boston. She will touch on the geological and human-scale impacts, and compare what might happen if a similar temblor were to occur in the near future. She will tell us about rogue waves in Lake Erie of possible seismic origin, a "tsunami-like" wave from one of the New Madrid quakes that traveled down the Mississippi River to Memphis.

She is very knowledgeable about her subject, and it promises to be a very informative and entertaining evening!

2006 SDAG MEETING SCHEDULE - Mark your Calendars!

Meetings are usually on the 3rd Wednesday of the month but may change to accommodate speaker and meeting place schedules. Check here for updates!

September	Picnic???
October	Road Trip!! (Actually, a field trip...Annual SDAG trip to Anza Borrego)
November	Dee Trent, Randsburg Mining District

PRESIDENT'S CORNER:

Great Turnout for the July Meeting –Glen Foss regaled us with his reminiscences of life at sea. Thanks, again, Glen!

August - We'll be informed about the New Madrid fault system, and intraplate seismicity in general. Our speaker, Rebecca Minard, has been interested in the subject since her formative years in the great state of Ohio. The Tropical Courtyard at Fat City Steakhouse will be the venue for this meeting, which Diane Murbach advises me that SDAG has frequented in the past (before my time).

September - Break out the picnic baskets! Bob Stroh has agreed to be the facilitator for the event.

October - Annual SDAG Field Trip, this time to southern Anza-Borrego Desert State Park®. Comestibles provided by TBD Enterprises, Inc.

November - Dee Trent will talk about the Randsburg Mining District, the subject of his recent book which SDAG helped publish.

December - San Diego Natural History Museum, of course.



ANNOUNCEMENTS:

The **Association of Environmental and Engineering Geologists** meeting this month will be held on August 8 at the offices of Ninyo and Moore, 5710 Ruffin Road, San Diego. The speaker will be Dr. Blayne Hartman of H&P Laboratories will present on soil vapor intrusion. Please RSVP to Ashley Galland (agalland@ninyoandmoore.com) as soon as possible.

The national **Association of Earth Science Editors (AESE)**, a GSA and AGI affiliate organization, is holding its 40th annual meeting in San Diego at the Hacienda Hotel in Old Town November 8-11, 2006. The mission of AESE is to enhance the communication of earth science information and education and to strengthen the profession of earth science editing. Membership is \$35/year and offers a Web page www.aese.org to members who freelance within the profession. Please contact Lowell Lindsay or Phil Farquharson for further information.

Sue Tanges and Phil Farquharson are organizing a possible SDAG Grand Canyon rafting adventure (8-day) early June 2007. Total cost: \$2200, 10% deposit by September. More details to come.

GORDON GASTIL ADVENTURE BOOK: Janet and Gordon Gastil, SDSU geology professor emeritus, will be speaking on their fascinating novel "Follow the Sun" at Barnes & Noble Bookstore, Encinitas, on Wednesday August 9 at 7 pm.. The book is a fictionalized version of what could very well be a non-fiction account of the first naturalist to travel around the world. No, not Charles Darwin in the 1820s but rather a very science-savvy adventurer in the time of the Egyptian Pharaohs, several thousand years ago! Gordon brings a lifetime of geo-knowledge to bear on very plausible transportation and survival methods in this incredible journey. The event is open to the public at no charge and the many friends and associates of the Gastils are highly encouraged to attend. Further information is available from Sunbelt Publications at 619-258-4911 x103.

GROUNDWATER RESOURCES ASSOCIATION of California announces Introduction to Groundwater and Watershed Hydrology: Monitoring, Assessment and Protection October 2-3, 2006 Hilton Hotel Glendale, CA for more information check <http://www.grac.org/hydroreg.htm>, registration deadline is Sept. 11

Mapping California Communities: An Introduction to GIS and Community Analysis Workshop - One Day Workshop

This unique, hands-on workshop teaches the fundamentals of how to use a Geographic Information System (GIS) in a way that is particularly relevant to social service providers, planners and researchers. Participants learn to make thematic maps of their community, geocode addresses and perform spatial queries and analysis. Participants also learn to extract and map Census variables such as race, poverty, language, education, health and many other demographic variables. Exercises are designed for beginners. Intermediate Excel skills required. Each students is assigned a computer on which to work for the day.

Upcoming Schedule (Please note: Workshops are one day only from 8:30 am to 4:30 pm. Participants choose only one day on which to attend.)

Each workshop is customized for the city in which it is taught.

San Diego: August 17th and 18th, 2006

San Francisco: September 6th, 7th and 8th, 2006

Orange County: September 27th, 28th and 29th, 2006

Fee: \$399 Checks, Credit Cards and Purchase Orders Accepted

To register online or for more info visit <http://www.newurbanresearch.org> telephone us 877.241.6576

Southern Anza-Borrego Desert and Coyote Mountains,
California
October 28 and 29, 2006

The geology of Anza-Borrego Desert State Park and the surrounding area attracts geologists from around the world. The trip includes an optional Friday afternoon (noon to 4pm) hike to explore the four mysteries of the Domelands which includes the enigmatic “flamingo nests.” Optional Friday night camping will be at Agua Caliente County Park, with an optional evening hike to a detachment fault from the campground. The trip will begin on Saturday morning (8:30am) at the Carrizo Badlands Overlook on Highway S-2 in Anza-Borrego Park. We will explore the faulting and structural complexity of the northwestern Coyote Mountains as we descend Canyon Sin Nombre from the Overlook. We’ll hike about a mile up a little known side canyon to see stratigraphic evidence of coincidental volcanic activity during the deposition of the Split Mountain formation, structural evidence of the Coyote Mountains uplift, and subsequent Mio-Pliocene basin evolution. We will return to the campsite at Agua Caliente for a catered dinner. The Agua Caliente hot springs await us in the evening, followed by the traditional evening program under the stars. After an early Sunday morning meal we will leave camp to explore the lava beds of Volcanic Hills, and the terrace cavelets and mesa conglomerates. After a short hike we will top off the trip with a sack lunch while discussing the geologic memories of the weekend and allowing you an early return home.

Trip Cost includes meals and liquids Saturday morning thru Sunday lunch, publication, camping fees, and trip logo hat. Carpooling and 4WD are necessary. Please bring your own water, camp and hiking gear, and FRS radios.

For more trip information: Dave Bloom at 619-571-3470, email: vp@sandiegogeologists.org

Register early - Field Trip details will be emailed to participants, so please list your preferred email address.

.....cut here and mail info with money.....

SDAG TRIP October 28th and 29th; Saturday & Sunday = \$110.00

Registration required by October 15th (Limited to 75)

Check here if camping Friday night: Oct. 27th optional Friday night at Agua Caliente Park.

NAME: _____

ADDRESS: _____

EMAIL: _____ **PHONE:** _____

I will be Carpooling with: _____

Mail this form and your Check payable to SDAG to:

Sarah Gray, Marine and Environmental Studies Department,
University of San Diego, 5998 Alcalá Park, San Diego, CA 92110

2006 CORPORATE SPONSORS - THANK YOU!!

Corporate sponsors provide a significant portion of SDAG's operating and scholarship budget. In addition to monthly recognition for your contribution, you are entitled to a free Internet "link" from [SDAG's Website](#). We also list Corporate Sponsors in our annual SDAG Field Trip Volume. **Please consider SDAG sponsorship in 2006!**

A special thank you to **Ninyo & Moore** for sponsoring the preparation, duplication, and mailing of the newsletter for 2006 and 2007!

Ninyo & Moore , Jonathan Goodmacher	Lowell Lindsay, Sunbelt Publications
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JOB OPENINGS!

The San Diego Natural History Museum is run and operated by the San Diego Society of Natural History, a private non-profit scientific organization incorporated in 1874. The Museum's mission is to interpret the natural world through research, education and exhibits; to promote understanding of the evolution and diversity of southern California and the peninsula of Baja California; and to inspire in all a respect for nature and the environment. Within the Museum, the Department of PaleoServices specializes in paleontological resource management. Our focus is on the recognition, recovery, and preservation of the significant and unique paleontological resources that occur in this region. We are currently looking to fill the following position:

Paleontological Field Supervisor: Position responsibilities include determination of daily field schedules for, and management of, the paleontological monitoring staff; maintaining regular communication with field superintendents regarding excavation schedules; maintaining compliance with City, County, and State defined mitigation requirements; reporting findings; ensuring completion of field work and paperwork as needed; conducting follow-up investigations; summarizing field data and interpretations; developing operating procedures; and providing customer service. Qualified candidates must have at least a B.S. Degree in Geology; 3 to 5 years of relevant experience (sedimentary geology); excellent supervisory/managerial, verbal, written, and interpersonal skills; and a strong work ethic, intense drive, and initiative for quality and customer service. This position is a regular, full-time salaried position with a generous benefits package (e.g., full medical and 401K plan). Compensation will be based on individual qualifications and experience. Please submit your resume to ykugies@sdnhm.org.

Hargis + Associates, Inc., a San Diego based consulting firm specializing in **hydrogeology and engineering**, and **SDAG Corporate Sponsor** currently has opportunities in our San Diego, California and Mesa Ari office. We are currently looking to fill the following positions:

CAD Technician: Ideal candidate is a highly qualified professional for preparation of engineering and geologic graphics. Professional experience in *AutoCAD* and experience with engineering process design required. Experience with *Civil 3D*, *Land Development Desktop*, *Autoplant*, and *Arcview* a plus.

Field Technician: Candidate would have OSHA 40-hour training with appropriate updates, a minimum of 3 years of environmental consulting industry experience, and strong mechanical aptitude. Ideal candidate would have experience with soil and groundwater sampling, monitor well installation, aquifer testing, and soil and groundwater remediation system operating, maintenance, and monitoring. Position will be based in San Diego, California, and will require some travel.

Staff Engineer: Candidate would have a B.S. Degree in Chemical, Civil, or Mechanical Engineering, EIT Certification and/or a Masters Degree is a plus. Only entry level candidates will be considered. Candidate should possess strong writing and presentation skills. Position will be based in San Diego, California, and will require some travel and field work. OSHA 40-hour training preferred, but not mandatory.

Hydrogeologist/GIS Environmental Scientist: Candidate would have a B.S. Degree in Geology or related field, and expertise in *ArcView* GIS and related applications. Ideal candidate would have experience with sampling, well installation, aquifer test analysis, and/or groundwater modeling. Position will be based in Mesa, Arizona, and may require some travel and field work. OSHA 40-hour training preferred. Entry level candidates with a strong GIS background will be considered.

Staff Hydrogeologist: Candidate would have a B.S. Degree in Geology, and 3 to 5 years relevant experience, including experience with soils and groundwater sampling, well installation, work plan and report preparation, task management, cost estimating and scheduling. Candidate should possess strong organizational, writing and presentation skills. California Professional Geologist (PG), or ability to obtain within two years, groundwater modeling experience, and Masters degree is a plus. Position will be based in San Diego, and will require some travel and field work. OSHA 40-hour training required.

Hargis + Associates offer competitive salaries and benefits, and a challenging work atmosphere. Hargis + Associates is an Equal Opportunity Employer. To learn more about Hargis + Associates, please visit our website at: www.hargis.com.

No phone calls please. Qualified candidates should send resumes, along with a cover letter summarizing experience and salary requirements to: Hargis + Associates, Inc., Attention: Phil Rosenberg, 2365 Northside Drive, Suite C-100, San Diego, CA 92108

Rincon Consultants, Inc. is an environmental sciences, planning, and engineering consulting firm with offices in Ventura, San Luis Obispo, and Carlsbad, California. The firm, a leader in environmental impact assessment, planning, biological resources, and soil assessment and remediation, seeks **Mid-Level** and **Senior Level Environmental Scientists** to work in the **Carlsbad** office.

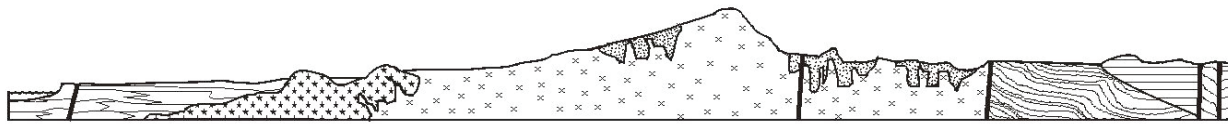
Mid-Level Requirements:

- Bachelor's degree in Geology, Biology, Environmental Science, Environmental Engineering, or related field (advanced degrees welcomed).
- 3-6 years experience in Phase I ESAs and soil/groundwater assessment/remediation.
- Excellent verbal and written communication skills.
- Field capabilities including logging borings, collecting soil and groundwater samples, and mapping and collecting soil samples for large remediation projects.
- OSHA health and safety training for hazardous waste sites.
- Well-organized, analytical, hard-worker, sense of humor, and good team player/leader.

Senior Level Requirements:

- In addition to fulfilling the Mid-Level Requirements above:
- Manage projects and personnel: prepare proposals, job assignments and schedules, track budgets, coordinate personnel and subcontractors, attend meetings, interact with clients and agencies, enforce use of guidelines and proper permits, troubleshoot problems, etc.
- Professional registration preferred.

E-mail your Microsoft Word cover letter and resume to Julie Marshall at jmarshall@rinconconsultants.com



SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

2006 MEMBERSHIP FORM

NAME: _____

Please type or print clearly, and check your chosen delivery address below.

Home Address: _____

Include _____
in _____
directory _____

Work Address: _____

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in _____
directory _____

Please include company or other affiliation

Preferred Mailing Address (Check One): Home Work

E-mail Address: _____
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Field(s) of Interest: _____

Phone: Home: (____) _____ Work: (____) _____ Cell: (____) _____

Dues:	_____ Student Member (email delivery only)	\$ 5.00
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New Member Continuing Member
Date: _____ Check for change of mailing address:

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

Sarah Gray
Marine and Environmental Studies Department
University of San Diego
5998 Alcalá Park
San Diego, CA 92110

**San Diego Association of Geologists
c/o Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123**