

## SAN DIEGO ASSOCIATION OF GEOLOGISTS

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

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### SDAG MEETING ANNOUNCEMENT

**Wednesday, May 17, 2006**

**ROCKS, BEAUTIFUL BLUE ICE, TALES OF WHALES, AND FUNNY PENGUINS--THE GEOLOGY  
AND WILDLIFE OF THE SCOTIA ARC AND ANTARCTIC PENINSULA**

*presented by*

**Dr. Monte "Montek the Terrible" Marshall**  
San Diego State University

**Where:** Tom Ham's Lighthouse Restaurant  
2150 Harbor Island Drive  
San Diego, CA 92101  
(619) 292-9110

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



**Directions:** Tom Ham's is located at the west end of Harbor Island. From Harbor Drive turn south onto Harbor Island Drive. At the second light turn right. Go to the end.

**Dinner:** A yummy buffet spread. The buffet includes Roast Beef, Roast Chicken, Pasta Alfredo, veggies, rice, a huge salad and fruit spread, dessert, and a beverage.

**Cost:** \$25.00 per member/guests, \$15 per student. Add \$5.00 if you make no reservation.

**Reservations:** Make your reservation online at [www.sandiegogeologists.org](http://www.sandiegogeologists.org) or call the SDAG Reservation Hotline at (619) 255-8380, no later than **5:00 p.m. Monday, May 15<sup>th</sup>.**

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

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### 2006 EXECUTIVE COMMITTEE

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

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

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

## BIOGRAPHICAL SUMMARY: MONTE MARSHALL

Monte is a native San Diegan and graduate of St. Augustine High School. Although he missed kindergarten, he did spend 50+ years in academia, and recently emerged to begin a life of decadent leisure in his golden years. In January of this year, he spent 25 very non-decadent days on a Russian ice-breaker visiting the Falkland/Malvina, South Georgia, South Orkney Islands and Antarctic Peninsula. Having been reduced to a quadrapelagic by man-eating penguins, vicious elephant seals, and herds of prowling orcas, he hopes to be in condition to share with you many beautiful views of this land of bountiful life, beautiful animals, both bountiful and beautiful icebergs, and very cool rocks.

### SUMMARY:

#### ROCKS, BEAUTIFUL BLUE ICE, TALES OF WHALES, AND FUNNY PENGUINS--THE GEOLOGY AND WILDLIFE OF THE SCOTIA ARC AND ANTARCTIC PENINSULA

During and following the break-up of Gondwanaland, some 100 to 200 Ma ago, the great continent of Antarctica migrated to the south pole and left in its wake a circular arc of small islands, all presumably once part of the south tip of South America, called the Scotia Arc. Whereas the northernmost islands are north of the Antarctic Convergence Zone and are relatively sunny and warm, the southern land masses are swept by icy winds and are in the dark for half of each year. In this talk I will show you many slides and try to explain how these land masses formed and how the many beautiful kinds of animals, especially the kings of the skies and funny penguins, have learned to live in the midst of the cold and violent south polar seas.



## 2006 SDAG MEETING SCHEDULE - Mark your Calendars!

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

June	John Foster – Echo Arch Landslide (Joint meeting with SCGS)
July	Glenn Foss – Early Days of Ocean Exploration
August	Dee Trent – Randsburg Mining District

### PRESIDENT'S CORNER:

**April Meeting** – Thanks to Jamie Ward, who presented her findings of cadmium in corals along the Kona Coast. Major bummer for her - she didn't actually get to visit Hawaii! We had a decent turnout, and great salad and pizza.

**Monte (Marshall) in May** - Back to the Lighthouse - Tom Ham's, that is. The subject: Antarctica. Full description above.

**SDAG at the Science Fair** – All three of our GSDSEF (science fair) awardees will be present at our May meeting. Ben Smith, one of last year's winners, will be comparing Bay Point formation fossils in Torrey Pines to the ones he looked at last year in Point Loma. Loic Hostetter's study is entitled "Living On the Edge, Littorally" - I'm a sucker for puns. Katherine Altobello Czescik's project: "Danger in Our Local Wetlands: Contaminants and Pesticides" - she studied several of the local lagoons. Please welcome them to our meeting.

**Joint meeting with South Coast Geological Society in June** - The speaker: John Foster, the subject: Echo Arch Landslide (San Onofre State Beach), the place: El Adobe in San Juan Capistrano.

**July and August** - For the July meeting, I have gotten our own Glenn Foss to reminisce about his adventures in the early days of ocean exploration aboard various ships. In August, Dee Trent will talk about the Randsburg Mining District, the subject of his recent book which SDAG helped publish.

**September** - Break out the picnic baskets?

May 17<sup>th</sup>. Tom Ham's. A good time will be had by all!



### ANNOUNCEMENTS:

#### **MINES & GEOLOGY OF THE RANDSBURG AREA :An Historical Gem of the Mojave Desert**

Published in 2006 by the San Diego Association of Geologists (SDAG)

Distributed by Sunbelt Publications [www.sunbeltpublications.com](http://www.sunbeltpublications.com)

The **western Mojave Desert region** of Randsburg, Red Mountain, Johannesburg, and Atolia takes its rightful place in the storied history of major Old West mining camps in this volume by geology professor Dee Trent. Unlike the single boom-and-bust cycle experienced by most mining areas in the West, Randsburg and environs experienced five mining booms from 1893 into the 21<sup>st</sup> century with riches from the earth that included gold, silver, and tungsten. Abundant historic maps and photos help readers and high desert adventurers understand the science and technology of a fascinating era in yet another contribution to the story of the land and its people.

**Dee D. "Doc" Trent** is a geologist with degrees from the University of Southern California and the University of Arizona. He worked as an oil company geologist in California, Utah, Arizona, and Alaska before becoming a college professor. Teaching, research, and consulting have been his main thrust in recent years; this leading to publications on glaciers, mining, structural geology, and tectonics. He has publications on mines and mine remediation in California, Alaska, Nevada, and Montana.

# CALL FOR PAPERS

FOR THE SAN DIEGO ASSOCIATION OF GEOLOGISTS 2006 ANNUAL FIELD TRIP  
GUIDEBOOK

## **Southern Anza-Borrego Desert and Coyote Mountains,** **California**

October 28 and 29, 2006



SDAG seeks new manuscripts based on original work in the broad fields of regional geology, tectonics, neotectonics, hydrogeology, paleontology, engineering geology, petrology, geothermal resources, geomorphology, paleoclimatology, mining and mineral resources, landslides, and related fields. Articles on any facet of the natural or cultural history of Anza-Borrego Desert State Park, Carrizo Marsh, Coyote Mountains, Yuha Basin, Valley of the Moon, Superstition Mountains, Split Mountain, Borrego Valley, and vicinity are also welcome.

**Deadline for submission of titles is extended to May 19, 2006.**

Please submit the following information when submitting titles:

- Title,
- Authors and affiliation,
- Address, e-mail, and telephone and fax numbers for the corresponding author.

Submit title by e-mail to [vp@sandiegogeologists.org](mailto:vp@sandiegogeologists.org)

**Deadline for submission of abstracts is May 9, 2006.**

The geology of Anza-Borrego Desert State Park and the surrounding area attracts geologists from around the world. We will explore the faulting and structural complexity of the northwestern Coyote Mountains as we descend Canyon Sin Nombre from Carrizo Badlands 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. A catered dinner and hot springs await us in the evening at Agua Caliente County Park, where we'll camp. On Sunday, we'll explore the lava beds of Volcanic Hills. After lunch, hardy souls may take an optional 5-mile round-trip hike to ponder fossilized "flamingo nests" and the other three mysteries of The Domelands

*Meals will be provided. Carpooling and 4WD are strongly recommended.*

For more information, please call Dave Bloom at 619-571-3470

*Photo: Alverson over Red Rock formations in ravine \_-mile east of Canyon Sin Nombre –D. Bloom*

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](http://www.aese.org) [www.aese.org](http://www.aese.org) to members who freelance within the profession. Please contact Lowell Lindsay or Phil Farquharson for further information.

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The Groundwater Resources Association of California has several events coming up that may be of interest: April 4-5, Nitrate in California's Groundwater in Modesto...May 10-12, Vadose Zone Hydrology, Contamination & Modeling Course, in Redwood City...June 7-8, Emerging Contaminants in Groundwater in Concord. Check [www.grac.org](http://www.grac.org) for more information on these events.

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The **Inland Geological Society** and **Inland Empire of AEG** have announced their 6-month schedules of meetings through June 2006. See their website for more details about locations, topics and speakers, [www.inlandgeo.org](http://www.inlandgeo.org) and [www.aegsc.org/chapters/inlandempire](http://www.aegsc.org/chapters/inlandempire)

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From the **State Mining and Geology Board**: The May 12 meeting Public Notice is now posted on our web site: [www.conservation.ca.gov/smgb](http://www.conservation.ca.gov/smgb)

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## 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!

<a href="#">Ninyo &amp; Moore</a> , Jonathan Goodmacher	Lowell Lindsay, <a href="#">Sunbelt Publications</a>
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## JOB OPENINGS!

**Advantage Environmental Consultants (AEC)** is seeking entry to senior-level environmental scientists/geologists/engineers. Entry level candidates should have a BA, BS or MS in physical sciences or engineering and a strong desire to learn the technical aspects of the environmental consulting business and basic project management duties. Mid to senior-level candidates should have prior consulting experience with soil and groundwater investigation, Phase I ESAs, risk assessment, remediation and/or industrial hygiene related services. AEC offers competitive compensation and 100% paid employee health coverage. Please mail resume to 810 Los Vallecitos Boulevard., Suite 210, San Marcos, CA 92069.

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**Petra Geotechnical** is currently seeking experienced geotechnical engineers, geologists, environmental scientists and soils technicians in our Costa Mesa, Santa Clarita, Murrieta and San Diego offices. We offer competitive salaries and excellent benefits. Contact Linda Becker, Human Resources Manager, at 714/549-8921 or submit your resume by email to [lbecker@petra-inc.com](mailto:lbecker@petra-inc.com)

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**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:

**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.

**Project Hydrogeologist:** Candidate would have a B.S. Degree in Geology, and 5 to 7 years relevant experience, including experience with sampling, well installation, work plan and report preparation, project management, cost estimating and scheduling. California Professional Geologist (PG), or ability to obtain within one year preferred. Masters degree or computer groundwater modeling experience is a plus. Candidate should possess strong organizational, writing and presentation skills. 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 in an Equal Opportunity Employer. To learn more about Hargis + Associates, please visit our website at: [www.hargis.com](http://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

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**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.

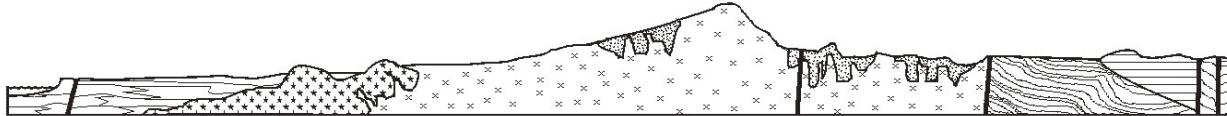
E-mail your Microsoft Word cover letter and resume to Julie Marshall at [jmarshall@rinconconsultants.com](mailto:jmarshall@rinconconsultants.com)

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**Avalon Development Corp.** is a Fairbanks, Alaska-based mineral exploration consulting firm that requires senior geologists, junior geologists and geotechs or several short and long-term field positions on gold, base metal and PGE projects in Alaska and the Yukon Territory. Several positions currently are available for work beginning immediately, others for positions opening up over the next 3-4 months. Salary depends on experience, travel and per-diem expenses paid by Avalon.

Interested parties should send their resume, with references to [avalon2@alaska.net](mailto:avalon2@alaska.net), attention Curt

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## SAN DIEGO ASSOCIATION OF GEOLOGISTS

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

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San Diego, CA 92110

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