

# SAN DIEGO ASSOCIATION OF GEOLOGISTS

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

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## SDAG MEETING ANNOUNCEMENT Wednesday, January 18, 2006

### *CAPTURE OF THE MOON*

presented by  
**Gary Peterson, Ph.D.**  
San Diego State University

**Where:** Emiliano's Mexican Restaurant  
6690 Mission Gorge Road  
San Diego, CA 92120  
619-232-3821

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



**Directions:** The old *Eva's*. Just north of Zion Avenue, where Friars Road east turns into Mission Gorge Road. It's at the far north end of the strip mall, northwest side of the street.

**Dinner:** Mexican Buffet.

**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.sandiegoeologists.org](http://www.sandiegoeologists.org) or call the SDAG Reservation Hotline at (619) 255-8380, **no later than 5:00 p.m. Friday, January 13<sup>th</sup>**.

**RESERVATIONS CANNOT BE ACCEPTED AFTER Friday AT 5 PM.**

### 2005 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)

**VICE PRESIDENT**- David Bloom; *Anteon*; Ph: (619) 571-3470; [vp@sandiegoeologists.org](mailto:vp@sandiegoeologists.org)

**SECRETARY** – Scott Snyder; *Ninyo & Moore*; Ph: (858) 576-1000; [ssnyder@ninyoandmoore.com](mailto:ssnyder@ninyoandmoore.com)

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

**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: GARY PETERSON, PH.D.

The origin of my interests in the planets and the Solar System is uncertain. When I think back on it, my earliest recollections point to the biblical story of creation as it unfolded in Sunday school in grades 4, 5 and 6 in the small community of Anamoose, North Dakota. I'd badger the poor teacher with questions about how the Earth and heavens were formed and she'd read passages from the bible to try to supply answers. I was never satisfied. She'd tell me that I had to have faith. Meanwhile, I found a couple astronomy books for children in the classroom bookshelves and I poured over them with the greatest interest. I distinctly remember being entranced by a telescopic photo of Saturn. What a magnificent and mystical sight!



Alas, my early interests seemingly came to nothing. I can't remember a single thing along planetary lines through Junior High, High School and the first year of college. Then in my sophomore year I enrolled in a beginning geology course. I'm not sure why. It just seemed like the right thing to do. I had the choice of a course for non-majors or majors. I chose the one for majors. Within a few months I knew that I had found a life-long interest. So what does this have to do with planets and the Solar System? Well, the Earth is a planet, isn't it? What better background could you ask for?

My education in geology was a wonderful experience. Altogether, I studied under about 20 professors and I can't recall a single bad one. However, some were better than others and some were more in tune with my own developing personal interests. When I now look back on my formal geological education all those many years ago, I can clearly see that my main influences came from six professors and they are commented on below. All others played an important, but subordinate role. Interestingly enough, none of my professors had any direct role in my interests in Planetary Geology. The subject did not exist when I was in school and such matters were barely even topics of conversation.

- from <http://www.rohan.sdsu.edu/%7E3gleep6/planets.html> where more info on Gary's activities, interests, publications can be found.

### SUMMARY: CAPTURE OF THE MOON

We were taught in introductory geology courses that the moon was made of material that was ejected from the proto-earth some 4+ billion years ago, while Gary Peterson, the "Independent Planetologist", is proposing a different, perhaps controversial mechanism. To wit, he will set forth the hypothesis that the moon is a planetesimal body that was gravitationally captured early in Earth history.

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## 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!

February 15	Doug Stephenson: Geology of the Picacho area at Tom Ham's(?)
March 15	TBD

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## PRESIDENT'S CORNER:

**Thank You Margaret Eggers!** I wanted to thank Margaret for 4 terrific years of service as an officer and President of the SDAG. Her good nature, generosity, enthusiasm and good ideas made a wonderful contribution to our organization for the past 4 years. The accomplishments of her presidential year, culminating in an extremely successful December meeting, give this year's group of officers something to meet or (hopefully) exceed. Thanks again, Margaret!

**2005 Holiday Meeting** –We had a very large attendance (over 135) at our final meeting of 2005. The ever-popular year-end get-together at the Natural History Museum was an even bigger hit than it was last year. Thanks to the additional financial contributions of all the members to make sure we could continue this tradition! And thanks to Dr. Tom Deméré for getting us up-to-date on the latest fossil finds in the County! His talk really illustrated what a vital role the museum staff plays in preserving our local paleontological treasures.

**New President** – It's a new year and a new SDAG President! I'm delighted to be serving my 4th year as an SDAG officer and am looking forward to another great year with the SDAG. It's hard to believe it was only three-plus years ago that Pat Brooks off-handedly asked me if I was interested in serving as an officer. SDAG has given a lot to me, and I hope to continue to give back, long past my current tenure as president. Happy New Year!!!

*Phil Farquharson*

## ANNOUNCEMENTS:

**The San Diego Chapter of the Association of Environmental and Engineering Geologists** is holding its January meeting Tuesday, January 17, at 6 pm. The topic will be groundwater dewatering with an emphasis on Downtown San Diego, by Sandi Marshall of Pure Effect a groundwater dewatering subcontractor. The meeting will be held at the Butcher Shop Restaurant, 5255 Kearny Villa Road, San Diego. Reservations are required and the cost is \$25 (Top Sirloin or Chicken Mediteranean. Contact Steve Bradley at Tetra Tech EMI, [steve.bradley@ttemi.com](mailto:steve.bradley@ttemi.com) or 619.321.6717.

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From the **Board for Geologists and Geophysicists**

The BGG unanimously voted to rescind the requirement that a California-specific examination (CSE) be passed prior to geologic licensure in California. Here is the weblink with more details: [http://www.geology.ca.gov/hot\\_topics/ca\\_spec\\_exam\\_rescind.htm](http://www.geology.ca.gov/hot_topics/ca_spec_exam_rescind.htm).

**Also**, here is the link to the newest ASBOG publication: "Tasks of a Professional Geologist" <http://www.asbog.org/documents/FINAL%20ASBOG%20TASK%20LISTING%20BROCHURE.pdf>

The BGG is soliciting for volunteers to serve as Subject Matter Experts (SMEs) for the **creation of a Professional Geologist (PG) Candidate Handbook**. This handbook will essentially replace the California-specific examination (CSE) as a licensure requirement for the PG in California. The handbook will address pertinent California laws and regulations that a licensed professional in California should know, as well as California geology and seismic topics. Applicants must be licensed as a PG in California, with no former or current enforcement actions against them. The candidate must be available for several days of meetings spread out over about half-a-year's time. It is anticipated that the SMEs will initially meet in early March, with completion of their work by the end of the summer of 2006. Expenses will be paid by the Board. Please submit your resume/CV to the Board's offices no later than February 6, 2006.

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**SDAG Wear:** - Monte (Murbach) 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.

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## ANNOUNCEMENTS (CONTINUED):

**Annual conference of the California Mission Studies Association (CMSA)** will be held at **Mission San Diego** on **February 17-19, 2006**. The Friday evening program will include a keynote address by engineering experts on seismic damage and proposed retrofitting to Mission San Miguel. Saturday's program will be a series of talks on the history, ethnology and archaeology of various California Missions and other Spanish colonial settlements. The Sunday program will be a series of short field trips around San Diego County, including a walking tour of the Mission Dam and Flume system in Mission Trails Regional Park led by Bill White and Greg Cranham (reference the 1999 SDAG field volume). Registration materials and other information is also available at the CMSA web site, <http://www.ca-missions.org/conf.html>. SDAG members welcome -- see you there! - *Greg Cranham*

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GSA GeoHostel: **The Tectonic Development of Southern California**, from the Beaches of San Diego to the San Andreas Fault, **11-16 March 2006**, Best Western Seven Seas, San Diego, Best Western Date Tree Hotel, Indio, (5 days, 6 nights). Scientific Co-Leaders: Monte Marshall, SDSU, Emeritus. Mario V. Caputo, Mt. San Antonio College, Walnut, California. Michael J. Walawender, SDSU, Emeritus. US\$1495 for GSA members; US\$1545 for spouses; US\$1595 for nonmembers. - *November 2005 GSA Today*

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The **Physical Sciences Department** invites applications for a tenure-track position to teach geology, oceanography, and earth science at **MiraCosta Community College** in north coastal San Diego County, California. The position is teaching-oriented, involving lower division courses in a diverse community, with ample opportunities for field activities. The starting date is August 2006, and the application deadline is January 31, 2006. Please visit the college website at <http://www.miracosta.edu> for general information about the college. For particulars about the position, application procedure, and salary, please visit <http://www.miracosta.edu/info/admin/HR/jobs>. Or leave a message on the MiraCosta job line at 760-795-6868 or toll free at 1-888-201-8480, ext. 6868.

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The **2006 Roy J. Shlemon Specialty Conference** is being held May 3-5, 2006 in Durango, Colorado at the Historic Strater Hotel. The conference subject is "Mass Wasting in Disturbed Watersheds" chaired by Bill Haneberg, Sue Cannon, Paul Santi, and Jeff Coe. To receive more information and to register for the conference, go to the web site: [www.haneberg.com/watersheds](http://www.haneberg.com/watersheds) or go to AEG's web site ([aegweb.org](http://aegweb.org)) and click on the Mass Wasting logo.

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**Inland Geological Society News** Chaffey College has two geology lab sections that are still in need of an instructor and if you ever wanted to be a college professor, now is the time to start! They are section 38184 scheduled for 8-9:30am T/TH and section 28185 scheduled for 9:30-11am T/TH. Anyone interested can contact Judy Lowman at [jalowman@sbcglobal.net](mailto:jalowman@sbcglobal.net) or at 909 862-1886, \*2 her home phone. The labs are full at 25 and they would hate to have to cancel them.

The **City of Riverside** is looking for a geologist with fluvial or benthic experience to write a dredging plan for Fairmount and Evans Lakes. The lakes are in dire need of sediment removal. There are some FEMA funds that were awarded. Do you know of anybody who would be interested in this that they could contact? Please contact Steven Mains, 951.780.5636 or 951-201-6571 cell, [watermains@aol.com](mailto:watermains@aol.com) if you are interested in this type of a project or know someone who is.

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You are invited to join the **Seismological Society of America in San Francisco** to commemorate the 100th anniversary of the 1906 earthquake and kick off the SSA's centennial celebration at the "The 100th Anniversary Earthquake Conference". SSA will be meeting jointly with the Earthquake Engineering Research Institute for their 8th National Earthquake Conference and the California emergency management community for their annual Disaster Resistant California conference at the Moscone Convention Center on April 18-22. The conference is also being co-sponsored by more than 50 organizations from around the world, including AEG. SSA abstracts can be submitted online at <http://www.1906eqconf.org/presentation.htm> until Jan. 16, 2006. Registration and hotel information is online at the 100th Anniversary Earthquake Conference website: [www.1906eqconf.org](http://www.1906eqconf.org).

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**DO YOU HAVE AN ANNOUNCEMENT??** Do you have an event, job opening, field trip or other announcement you would like to share with our members?? Just call or email our SDAG Secretary, **Scott Snyder** at 858.576.1000 OR [secretary@sandiegogeologists.org](mailto:secretary@sandiegogeologists.org).

**2006 SDAG Membership** form is included in this newsletter. Please consider renewing for 2006. It is our active membership that makes SDAG able to do what we do: monthly presentations at dinner meetings, annual field trip, student scholarships, publications, education sponsorship, half-day and full-day field trips and other activities.

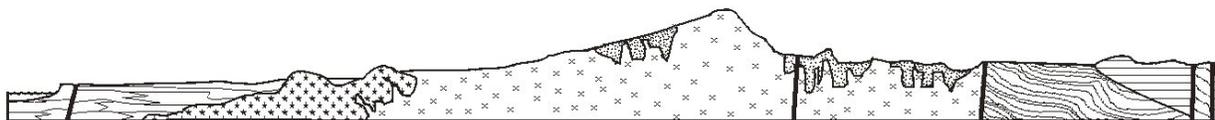
**Study Group for March 2006 PG Examination:** Please contact Becky Cardoso ([rcardoso@hargis.com](mailto:rcardoso@hargis.com)) if you are interested in forming a study group for any or all parts of this exam.

The State Mining and Geology Board has issued a **REQUEST FOR QUALIFICATIONS: MINE INSPECTIONS PURSUANT TO THE SURFACE MINING AND RECLAMATION ACT OF 1975 FOR SURFACE MINES IN EL DORADO COUNTY, YUBA COUNTY, AND VARIOUS CITIES ON BEHALF OF THE STATE MINING AND GEOLOGY BOARD** Applications are requested to be received at the office of the State Mining and Geology Board, 801 K Street, MS 24-05, Sacramento, California 95814 by close of business at 5:00 P. M. Friday, January 27, 2006. Responses should be addressed to the attention of the Executive Officer. The SMGB intends to complete the selection of the successful candidate not later than March 9, 2006. For additional information please contact: Ms. Kit Gonzales, Executive Assistant, at (916) 322-1082.

### 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 href="#">Ninyo &amp; Moore</a> , Jonathan Goodmacher	Lowell Lindsay, <a href="#">Sunbelt Publications</a>
Katherine Freese	Lee Vanderhurst, Geotechnics, Inc.
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<a href="#">Southwest Geophysics, Inc.</a>	Phil Farquharson, <a href="#">CG-Squared Productions</a>
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Joe Coronas, <a href="#">City of San Diego</a>	John Hoobs - <a href="#">Geocon, Inc.</a>
Donald Sorben	Monte and Diane Murbach
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# 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: \_\_\_\_\_

Include \_\_\_\_\_  
in \_\_\_\_\_  
directory \_\_\_\_\_

*Please include company or other affiliation*

Preferred Mailing Address (Check One):  Home  Work

E-mail Address:  \_\_\_\_\_  
*Check box for email delivery*

Website: \_\_\_\_\_

Field(s) of Interest: \_\_\_\_\_  
\_\_\_\_\_

Phone: Home: ( ) \_\_\_\_\_ Work: ( ) \_\_\_\_\_ Cell: ( ) \_\_\_\_\_

Dues:	_____ Student Member (email delivery only)	\$ 5.00
(check choice)	_____ Student Member (add US mail delivery)	\$ 10.00
	_____ Regular Member (email delivery only)	\$ 15.00
	_____ Regular Member (add US mail delivery)	\$ 20.00
	_____ Corporate Sponsor ( <input type="checkbox"/> email + <input type="checkbox"/> US mail delivery)	\$100.00

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

## JOB OPENINGS!

**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 office. We are currently looking to fill the following positions:

**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.

**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



### Professional Geologist

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 a Professional Geologist to work from the Carlsbad office.

The duties of the Professional Geologist may include:

- Supervise periodic Phase I and Phase II environmental assessments
- Supervise the investigation, assessment, design, and remediation of contaminated soil or groundwater
- Supervise field mapping, borehole logging, and aerial photographic analysis
- Supervise subsurface investigations for residential, commercial, and public work projects
- Write, review, and approve technical reports and proposals
- Manage projects: job assignment, tracking, coordinating, meetings, and scheduling; guideline and permit enforcement; troubleshooting; etc.
- Develop new business

### Requirements:

- BS or higher in Geology or Engineering
- California PG license
- 5-10 years supervisory and environmental project management experience
- OSHA health and safety training for hazardous waste sites
- Excellent verbal and written communication skills
- Well-organized, analytical, hard-worker, and good team player/leader

To apply:

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

**ARCADIS** presently has a number of open positions for entry level and more senior positions. Please have anyone interested contact:

Christopher Taylor Sharpe  
Staff Scientist  
ARCADIS  
6 Terry Drive, Suite 300  
Newtown, PA 18940  
Phone: (267) 685-1800  
Fax: (267) 685-1801

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