

# SAN DIEGO ASSOCIATION OF GEOLOGISTS

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

## JOINT SDAG/AEEG MEETING ANNOUNCEMENT

**Wednesday, June 20, 2007**

### ***THE CHALLENGES OF OPERATING AN AIRPORT OVER A CLOSED LANDFILL OR THE CHALLENGES OF MAINTAINING A CLOSED LANDFILL UNDER AN AIRPORT***

*presented by*

**Barry Pulver, PG, County of San Diego, Department of  
Public Works**

- Where:** Catalina Room (southern end of MVCC) **SEE MAP, PAGE 2**  
Marina Village Conference Center  
1936 Quivira Way, San Diego, CA 92109
- When:** 5:30 pm – Social Hour  
6:15 pm – Dinner  
7:15 pm – Program
- Directions:** FROM INTERSTATE 5: Take the SEA WORLD DRIVE exit. From SEA WORLD DRIVE, take WEST MISSION BAY DRIVE on your right. When you see the large green sign that says QUIVIRA ROAD, get in the farthest left of the two left turn lanes. Turn left, go one very short block and turn left again. Drive about one half mile and MARINA VILLAGE will be on your right.
- FROM INTERSTATE 8: Take the WEST MISSION BAY DRIVE exit to the right. You will be on INGRAHAM STREET for a short distance from which you will take the next exit marked WEST MISSION BAY DRIVE on your right. When you see the large green sign that says QUIVIRA ROAD, get in the farthest left of the two left turn lanes. Turn left, go one very short block and turn left again. Drive about one half mile and MARINA VILLAGE will be on your right.
- Dinner:** Texas-style barbecue. Beverage station. Dessert. Cash bar.
- Cost:** \$30 per person, \$5 discount for SDAG and AEEG members and their guests (one discount per person), \$20 for students. Add \$5 if you did not make a reservation.
- Reservations:** Make your reservation **online** at [www.sandiegogeologists.org](http://www.sandiegogeologists.org) **no later than noon, Monday, June 18<sup>th</sup>.**

### **2007 EXECUTIVE COMMITTEE**

**PRESIDENT** - David Bloom; *GDIT*; Ph: (619) 571-3470; [prez@sandiegogeologists.org](mailto:prez@sandiegogeologists.org)  
**VICE PRESIDENT**- Sarah Gray; *University of San Diego*, Ph: (619) 260-4098; fax: (619)260-6874; [sgray@saniego.edu](mailto:sgray@saniego.edu)  
**SECRETARY** – Scott Snyder; *Ninyo & Moore*; Ph: (858) 576-1000; [sdag2006@prodigy.net](mailto:sdag2006@prodigy.net)  
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**AT LARGE**– John Teasely; *Spectrum Environmental Solutions*; Ph: (760) 839-2163; [jtea@cox.net](mailto:jtea@cox.net)

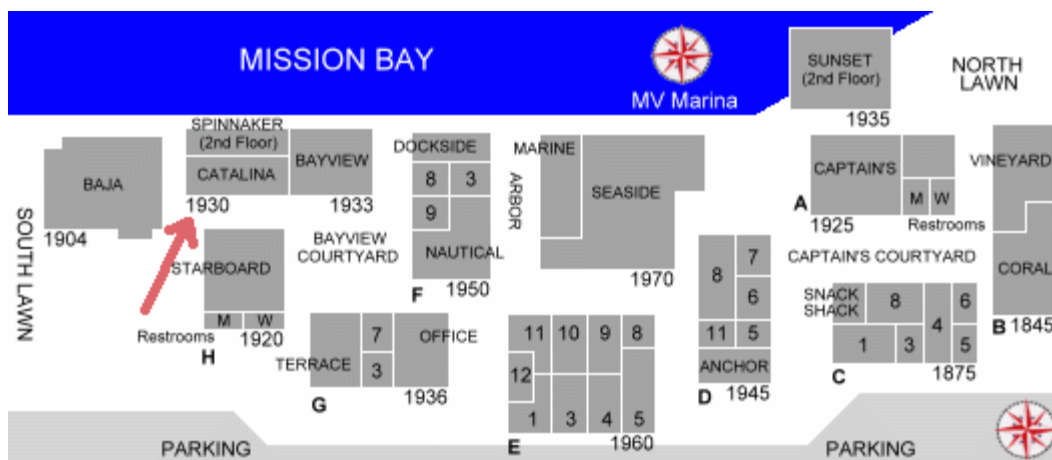
## BARRY PULVER, PG, COUNTY OF SAN DIEGO, DEPARTMENT OF PUBLIC WORKS

Barry Pulver is a Hydrogeologist with the County of San Diego Department of Public Works - Landfill Management. Mr. Pulver received a Bachelor of Science Degree in Geology from Sonoma State College in 1977. His current duties include management of groundwater monitoring and mitigation activities at 13 closed landfills, management of landfill gas control systems at 10 closed landfills, management of burn dump investigations and mitigation, and generally keeping the County in compliance with the regulators. Prior to working for the County, Mr. Pulver over 20 years working for various geotechnical and environmental consulting firms and the California Regional Water Quality Control Board - San Diego Region..

### *The Challenges of Operating an Airport over a Closed Landfill or The Challenges of Maintaining a Closed Landfill Under an Airport*

In 1958, the County of San Diego purchased approximately 238 acres of land to build the Palomar Airport. Palomar Airport opened for business on March 20, 1959. In order to create more level ground to support ground operations the County of San Diego operated a landfill at the site. Between 1962 and 1972, over 1,000,000 tons of municipal waste was placed in three areas creating an additional 20 acres of level area for development. Today, Palomar Airport is very busy and its future is so bright that everyone needs to wear aviator sunglasses. As operations increase, Palomar Airport will increase its regional air transportation traffic and will greatly benefit the residents of northern San Diego County and reduce air traffic at Lindbergh Field.

The expansion of the Airport is currently underway. As the airport expands its operations, it faces continued challenges due to the landfill. Construction of new facilities must not only take into consideration the geotechnical concerns of building over compressible material, but must also incorporate methane monitoring and control features and navigate through an often complex regulatory maze. Landfill maintenance must also take into consideration issues directly related to the mixed land use at the site, including leaking water lines that add water to the waste, leaking underground storage tanks that may result in fuel contamination, maintenance of a cap consisting of brittle materials such as concrete rather than a more plastic soil cap, and operation of heavy equipment and drill rigs around multi million dollar aircraft. With the continued expansion and development of San Diego, it is important to understand the interrelation of geotechnical environmental challenges commonly associated with redevelopment of landfill sites.



## 2007 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!

July 11 <b>Note date!</b>	Hans Van De Vrugt - Geophysics, Does it Work? <b>With SCGS</b>
August 15	Neil Gordon - Clouds in a Changing Climate
September 19	Thomas Kretschmar - Hydrogeologic Studies of Guadalupe Aquifer, Baja

## ANNOUNCEMENTS:

**1st Sgt James W. Senn** wishes to publish an open invite to the SDAG members for his retirement ceremony from the Marine Corps on July 18th 2007. 1st Sgt Senn is a budding (i.e., student) geologist and a devoted member of our group!! Please come out, raise a glass, and wish him well in his transition to becoming one of us regular folk, if that's possible! The ceremony will take place at Sheppard Field on MCRD at 1100. There will be a small reception with chow, a keg, and some drinks following the ceremony.

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NOTICE IS HEREBY GIVEN that the County of San Diego, Land Use and Environment Group (LUEG) is requesting public review of the **Guidelines for Determining Significance for Dark Skies & Glare, Emergency Response, and Geologic Hazards, as well as Report Format and Content Requirements for Dark Skies & Glare (Photometric Study) and Revegetation Planning**. These documents are being circulated as a part the LUEG Business Process Reengineering efforts. The proposed Guidelines for Determining Significance and Report Format and Content Requirements can be reviewed on the World Wide Web at: [http://www.sdcounty.ca.gov/dplu/bpr\\_index\\_PR.html](http://www.sdcounty.ca.gov/dplu/bpr_index_PR.html), or at the Department of Planning and Land Use (DPLU), Project Processing Counter, 5201 Ruffin Road, Suite B, San Diego, California 92123.

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Best wishes to all of those intrepid SDAG members heading to the **Grand Canyon** for a great trip! Be safe and take lots of photos! See you at the meeting!

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The **2007 Annual Meeting of the Association of Environmental and Engineering Geologists (AEG)** will be held in the Los Angeles area at the Sheraton Universal Hotel (near Universal Studios). This will be the 50th Anniversary of the founding of the AEG and the meeting theme will revolve around that idea as well as celebrating California Geology. The technical program will focus on a variety of tunnel, fault hazard evaluations, marine geology, and coastal processes, as well as classic engineering geology, environmental geology, and groundwater topics. The 2007 Annual Meeting Planning Committee is currently scheduling several technical sessions, special symposia, short courses, and a teachers' workshop. These will provide opportunities for geologists and other professionals to share in the state-of-the-art and practices. In addition several field trips are planned to be held in conjunction with the meeting. Please place 2007 AEG convention on your calendars September 24 through 28, 2007.

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### **President's Corner**

- I was pleased to see almost 60 people at the May meeting at the Model Railroad Museum. Sue Tanges gave an informative and color presentation on the Grand Canyon. The room was a good venue for a group of our size. After the presentation we learned how to turn on the display lights and how to turn off the room lights. We also know where to park and enter the building! We'll know for next time!
- If you missed our 2nd One-Stop Wonder last month at a molybdenum deposit in the Campo area, enjoy our next OSW rescheduled for 10am Sunday, June 24. Lowell Lindsay will lead a short walk from Sunbelt Publications world-wide headquarters in El Cajon to the curious "Marshall Rocks" inselberg followed by "books, beer, and brats" back at Sunbelt.
- Our fourth OSW is scheduled for 10am Sunday, July 8 at Scripps Pier in La Jolla where Phil Farquharson will lead a short hike to a Miocene basaltic andesite dike exposed on the beach.

Dave Bloom

## 2007 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 2007!***

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

<a href="#">Dr. Richard Berry</a>	<a href="#">Geocon, Inc.</a>
David Bloom - <a href="#">General Dynamics Information Technology</a>	<a href="#">Dr. Sarah Gray - University of San Diego</a>
<a href="#">Sherry Bloom</a> , Coldwell Banker Real Estate	<a href="#">H&amp;P Mobile Geochemistry</a>
Joe Coronas, <a href="#">City of San Diego</a>	Lowell Lindsay, <a href="#">Sunbelt Publications</a>
Dr. Margaret Eggers <a href="#">Eggers Environmental, Inc.</a>	<a href="#">Dr. Monte Marshall</a>
Sue Tanges, Southland Geotechnical	<a href="#">Julie Moore, SPL Laboratories</a>
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## JOB OPENINGS!



URS Corporation, a nationwide, multidisciplinary consulting firm and the largest design firm in the country, has a strong project backlog in San Diego County in the transportation and water resources markets. We are seeking qualified candidates for the following positions for our San Diego office:

**Engineering Geologist (Requisition #URS16201):** Geologist/Engineering Geologist with 0 to 5 years of experience in consulting engineering firm; preferably with master's degree. Responsible for supervising field explorations, geologic mapping, and report preparation. Should be experienced in logging borings in soil and rock, knowledge of Caltrans investigation procedures a plus.

**Geotechnical Engineer (Requisition #URS15584):** Civil/Geotechnical Engineer with 0 to 5 years of experience in consulting engineering firm; preferably with master's degree. Responsible for planning field and laboratory programs, engineering analyses, and report preparation. Strong analytical skills and communication skills a must.

URS is an Equal Opportunity Employer and strongly supports diversity in our work force (M/F/V/D). We offer competitive salaries and a comprehensive benefits package.

For immediate consideration, please submit to [mike\\_blackmore@urscorp.com](mailto:mike_blackmore@urscorp.com) or apply on-line under the Careers section of our website ([www.urscorp.com](http://www.urscorp.com)) using the requisition number shown in parentheses above.

The Santa Barbara County Planning and Development Department is currently seeking a full-time engineering geologist to supervise and perform engineering geology work and to review plans for conformance with county ordinances dealing with soil and earth stability. Registration as a professional engineering geologist in the State of California and a valid California Class C driver's license are required.

The salary range is \$71,847-\$87,709 approximately per year. The County also offers a generous benefits package that includes a \$5466/year benefit allowance. With a mild climate and spectacular setting that includes scenic coastline, beautiful valleys, and rugged mountain peaks, Santa Barbara County is one of the most desirable places in the world to live and work. To learn more about the position and to apply on line, visit [www.sbcountyjobs.com](http://www.sbcountyjobs.com), or call (805) 568-2800. This position is open until filled

**TN & Associates, Inc.** specializes in environmental services, natural resources, infrastructure engineering, and construction services. Our San Diego office is currently looking to fill the following positions:

**Staff Geologist:** Geologist to perform office and field assignments for environmental site assessment and remediation projects. Position will involve soil borings, monitoring well installations, soil and water sampling, historical research investigations, data management, construction documentation and construction QA/QC, and report writing. Ability to adapt to both office and field environments a must. OSHA 40-hour training a plus. Periodic travel is required.

**Project Geologist:** Geologist with 3 to 7 years experience required in conducting all aspects of field investigations including limited site assessments, multi-task remedial investigations and remedial actions with a strong emphasis in technical writing skills. The ideal candidate will have experience in data analysis and reporting. PG registration and OSHA 40-hour training a plus. Work will entail some fieldwork and travel, mainly within California. Experience with government projects (DOD, USACE, AFCEE, Navy and USEPA) landfills and stormwater engineering/compliance a plus.

We offer a competitive salary, benefits package and friendly working environment. Equal Opportunity Employer. Please mail or fax your resume and letter of interest to: T N & Associates, Inc., 2247 San Diego Avenue, Suite 238, San Diego CA 92110, fax 619-291-8100.

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Since 1986, clients have turned to **Ninyo & Moore** for innovative solutions to complex geotechnical and environmental challenges. As a leading geotechnical and environmental sciences engineering and consulting firm, Ninyo & Moore provides specialized services to clients in both the public and private sectors. With offices in Colorado, California, Nevada and Arizona, the firm is fully committed to being responsive, cost-efficient, and thorough in meeting its clients' project needs and objectives.

Ninyo & Moore Geotechnical & Environmental Sciences Consultants has immediate employment opportunities in our Denver, Irvine, Las Vegas, Oakland, Phoenix, and San Diego offices. Positions include Engineers and Geologists of all levels, including **Staff Engineers and Geologists, Project Engineers and Geologists, Staff and Project Environmental Scientists, Chief Geotechnical Engineer, and Construction Field and Laboratory Technicians.**

The successful candidates should have a BS or MS degree for staff-level positions and five years or more of experience for project to senior-level positions. The candidates should be detailed oriented and have excellent verbal and written communication skills. Professional Engineer (PE) and/or Professional Geologist (PG) registrations preferred.

Ninyo & Moore offers a competitive salary, excellent benefits and an opportunity for professional growth. Please visit our website for complete and detailed job descriptions and to submit your resume in confidence at [www.ninyoandmoore.com/careers](http://www.ninyoandmoore.com/careers) or mail to our corporate office at 5710 Ruffin Road, San Diego, CA 92123, Attention: Human Resources. EOE



**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:

**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:** Candidate would have a B.S. Degree in Geology and M. S. Degree would be a plus. Entry level position, with work including soil and groundwater sampling, well installation, aquifer test analysis, and report preparation. Candidate should possess strong writing and presentation skills. Candidate with Hydrogeology coursework or GIS background is a positive. Position will be based in San Diego, and will require travel and field work. Only entry level candidates will be considered. Valid driver's license and U.S. Citizenship required. OSHA 40-hour training preferred, but not mandatory.

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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Southwest Geophysics is a certified small business enterprise, in San Diego, California, specializing in providing geophysical services to environmental and engineering clients. We are currently seeking a **Full-time Project Geophysicist**. A minimum of two years experience is required in conducting all aspects of field investigations. The ideal candidate will have strong technical writing skills and experience in data analysis and reporting. B.S. in Geophysics or Geological Sciences is required, M.S. a plus. California State Registration a plus.

Qualified candidate should email resumes, along with a letter of interest to: [jessica@southwestgeophysics.com](mailto:jessica@southwestgeophysics.com) or they may be mailed to our office at 7438 Trade Street, San Diego, CA 92121, Attention: Jessica Parnell



**TerraPacific Consultants, Inc.** is a San Diego based geotechnical consulting firm working on projects throughout the southwest. We concentrate on forensic engineering, evaluations for new commercial/industrial/custom residential construction, as well as, oversight during foundation repairs. We are seeking motivated engineers and geologists who are interested in finding solutions to challenging geotechnical problems. Field work and out of town travel will be required on a regular basis throughout California, Nevada, New Mexico and Arizona. All positions demand an organized self-starter with "hands-on" management ability. Please visit our web site at [www.terrapac.net](http://www.terrapac.net).

#### **Senior Geotechnical Engineer**

Position responsibilities include project management, collecting field data, analysis, report writing, and client communication. Oversight of construction inspections will also be required. Qualified candidates must be a licensed G.E., have a minimum of 8 years experience and good communication skills. At least 2 years experience in testifying as a geotechnical forensic expert is preferred.

#### **Staff Geologist/Engineer**

We are looking for an honest, hard working, technically minded graduate to perform subsurface investigations, collect field data, perform geotechnical analysis, and write reports. Construction inspections will also be required. Qualified candidates should possess good communication skills. Some experience in geotechnical investigations is preferred but recent graduates will be considered.

The right, qualified, independent and hard-working individual will be offered an excellent salary (commensurate with their experience), profit sharing/401K plan; company sponsored insurance program, and bonuses. If you are interested, please submit a resume and cover letter to: TerraPacific Consultants, Inc., 12245 World Trade Drive, Suite G, San Diego, CA 92128; or by fax to 858-521-1199; or by e-mail to [jimg@terrapac.net](mailto:jimg@terrapac.net).

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### **ONE STOP WONDERS!**

One-Stop Wonder: **Marshall Rocks** "Boulders, Books, Beer, and Brats"

Meet 11:00 a.m. on Sunday June 24 at Sunbelt Publications, 1250 Fayette St., El Cajon. Walk one block to examine the Marshall Rocks outcrop, a curious inselberg feature surfacing through the alluvium of west El Cajon Valley. Observe Holocene landslides in the Eocene sediments of Fletcher Hills. Return to Sunbelt for a bratwurst BBQ & bevs. Browse warehouse bookshelves for bargain book treasures and San Diego's best natural history pub selection. RSVP yes-only to [LLindsay@Sunbeltpub.com](mailto:LLindsay@Sunbeltpub.com) two days prior to event.

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### **SAN DIEGO ASSOCIATION OF GEOLOGISTS**

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

**CALL FOR PAPERS:**

***"Hydrogeology and Environmental Issues in the Guadalupe Valley and the Northern Coast of Baja California, Mexico"***

*To be published in association with the 2007 San Diego Association of Geologists Annual Field Trip  
October 13<sup>th</sup>-14<sup>th</sup>, 2007*

<http://www.sandiegoeologists.org/Publications.html>

**Co-editors:**

**Sarah Gray, Vice President, SDAG**

Marine and Environmental Studies Department, University of San Diego

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**Thomas Kretzschmar**

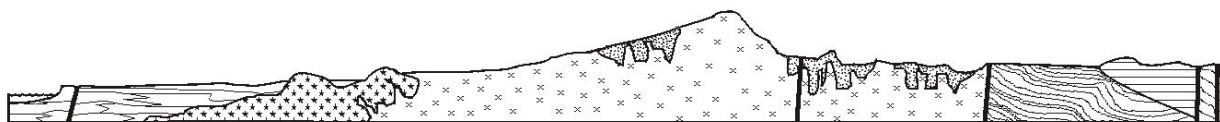
Depto. de Geología,

Centro de Investigación Científica y de Educación Superior de Ensenada  
(CICESE)

[tkretzsc@cicese.mx](mailto:tkretzsc@cicese.mx); 646 175 0500 Ext. 26047)

**SCOPE:** Papers addressing topics related to hydrogeology, geology, environmental issues, geography, wineries, and history of the Guadalupe Valley or the northern coast of Baja California.

For further information, contact [sgray@sandiego.edu](mailto:sgray@sandiego.edu) or [tkretzsc@cicese.mx](mailto:tkretzsc@cicese.mx)



# SAN DIEGO ASSOCIATION OF GEOLOGISTS

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

## 2007 MEMBERSHIP FORM

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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: \_\_\_\_\_

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

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

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

**NEW POLICY:** Your membership dues include email delivery of the monthly newsletter. If you wish to receive a hardcopy of the newsletter through US Mail, please add \$10.00 to your membership dues.

Dues:	_____ Student Member (email delivery only)	<b>\$ 5.00</b>
(check choice)	_____ Regular Member (email delivery only)	<b>\$ 25.00</b>
	_____ Subscription to hardcopy newsletter	<b>\$ 10.00</b>
	_____ Corporate Sponsor (email delivery only)	<b>\$100.00</b>

*(Name as you would like it to appear in guidebook and website)*

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**