

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENT

WEDNESDAY, APRIL 8th, 2009

Meteorites, Asteroids, and the Structure of the Solar Nebula

Presented by

**Brother Guy Consolmagno SJ, curator of meteorites at
the Vatican Observatory**

Where: Catalina Room (southern end of MVCC) SEE MAP
Marina Village Conference Center
1936 Quivira Way, San Diego, CA 92109

When: 5:30 pm – Social Hour
6:30 pm – Dinner
7:00 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.

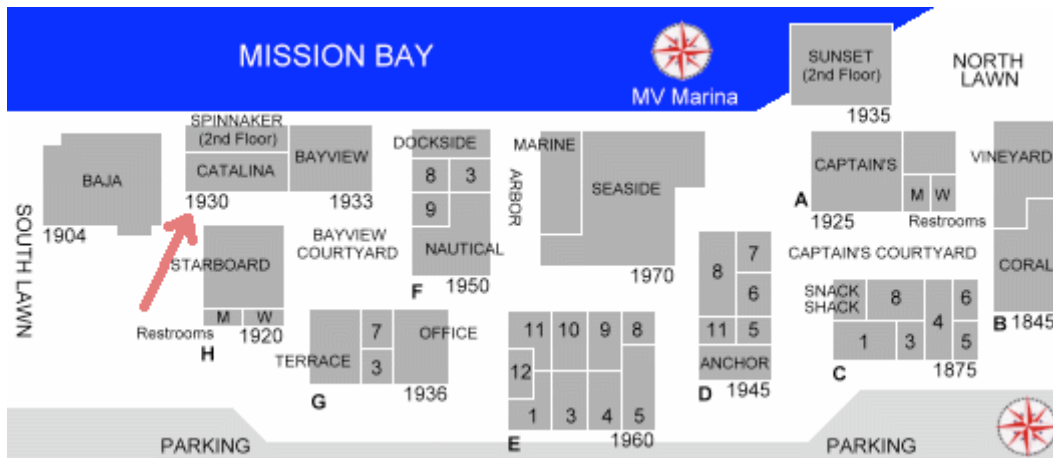
FROM INTERSTATE 8: Take the WEST MISSION BAY DRIVE exit to the right. You will be on INGRAHAM STREET for a short distance from which you will take the next exit marked WEST MISSION BAY DRIVE on your right. When you see the large green sign that says QUIVIRA ROAD, get in the farthest left of the two left 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: BBQ beef, grilled chicken, grilled vegetables, oven roasted potatoes, baked beans, Caesar salad, coffee and tea (hot and cold), and cookies and brownies for dessert. Cash Bar.

Cost: \$30 per person, \$5 discount for members, STUDENTS: \$20. Add \$5 if you did not make a reservation

Reservations: Make your reservation online at www.sandiegogeologists.org no later than noon, **Monday, April 6th**.

**RESERVATIONS CANNOT BE ACCEPTED AFTER MONDAY AT 12 NOON.
IF YOU DO NOT MAKE A RESERVATION, WE CANNOT GUARANTEE YOU A MEAL.**



2009 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!

May	Candace Kohl , "Meteorites"
June	Joint Meeting with South Coast Geological Society
July	TBD

2009 EXECUTIVE COMMITTEE

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

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Brother Guy Consolmagno SJ, curator of meteorites at the Vatican Observatory

Brother Guy Consolmagno SJ was born in Detroit, Michigan. He earned undergraduate and masters' degrees from MIT, and a Ph. D. in Planetary Science from the University of Arizona, was a researcher at Harvard and MIT, served in the US Peace Corps (Kenya), and taught university physics at Lafayette College before entering the Jesuits in 1989.

At the Vatican Observatory since 1993, his research explores connections between meteorites, asteroids, and the evolution of small solar system bodies, observing Kuiper Belt comets with the Vatican's 1.8 meter telescope in Arizona, and curating the Vatican meteorite collection. Along with more than 100 scientific publications, he is the author of a number of books including *Turn Left at Orion* (with Dan Davis), *Worlds Apart: A Textbook in Planetary Sciences* (with Martha Schaefer), and *Brother Astronomer*. Visit his web site, http://homepage.mac.com/brother_guy for more information.

Dr. Consolmagno has served on the governing boards of the Meteoritical Society; is the past president of the International Astronomical Union, Commission 16 (Planets and Satellites) and secretary of Division III (Planetary Systems Sciences); and presently serves as chair of the Division for Planetary Sciences of the American Astronomical Society. This year he holds the Loyola Chair for visiting Jesuit scholars at Fordham University.

“Meteorites, Asteroids, and the Structure of the Solar Nebula”

Meteorites represent an invaluable resource of “free” geological material from these small bodies that sample their mineralogy, geochemistry, and small-scale structure. Their physical properties, in particular density and porosity, can be tied to recently-determined asteroid physical properties. Our measurements show that both meteorite and asteroid porosities appear to increase as one travels further from the Sun. Thus one can envision a solar nebula where distance from the sun not only controls the composition of the material accreting into planets, but the physical nature of that material.

Presidents Corner, APRIL 2009

Just a few short weeks ago, we had a great talk by Jared Warner, our student scholarship award winner on ostracodes. It was great visiting our friends at Emiliano's (formerly Eva's, going way back).

Of interest to our geo-educators, the Far Western Section of the National Association of Geoscience Teachers (NAGT) will be holding their spring 2009 Conference at Mt. San Antonio College in Walnut on the weekend of April 17th to 19th. The title of the conference is “Geologic Diversity Around Los Angeles and Vicinity” and the organizer is Mario Caputo of Mt. SAC. For further details, see <http://nagt-fws.org/> or contact Mario at mvcaputo@earthlink.net.

Scott Snyder - SDAG President (ghost-written by Phil Farquharson)

2009 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.

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ANNOUNCEMENTS

CALL FOR PAPERS:

"Mylonitization and associated low angle/detachment faulting in the northern Santa Rosa and southern San Jacinto Mountains, California."

To be published in association with the
2009 San Diego Association of Geologists Annual Field Trip
November 7th and 8th, 2009

Co-organizers:

Bryan Miller-Hicks, Vice President, SDAG
Independent engineering geology consultant
bryanmillerhicks@gmail.com 619-733-3724

Dr. Monte Marshall, Ph.D.
Emeritus Professor of Geologic Sciences, SDSU
mmarshall@geology.sdsu.edu 619-795-9871

SCOPE: Papers addressing topics related to mylonites, geology, structural geology, metamorphism, metasediments, faulting, folding, meta-structures, biology, environmental issues, geography, native American culture, and history of the Deep Canyon, northern Santa Rosa Mountains and southern San Jacinto Mountains

TIMELINE: Email a statement of interest & topic to the co-editors as soon as possible

Manuscripts due: April 15th, 2009
Revised manuscripts due: July 1st, 2009
Target publication date: late September, 2009

For further information, contact bryanmillerhicks@gmail.com or mmarshall@geology.sdsu.edu



DEPARTMENT OF GEOLOGICAL SCIENCES ANNUAL BANQUET - APRIL 24, 2009

sponsored by
SDSU GEOLOGY ALUMNI ASSOCIATION
(aka "FRIENDS OF THE DEPARTMENT")

This year's banquet will be held at Tom Ham's Lighthouse on Harbor Island in San Diego. The Friday evening event begins with a social hour at 6pm and dinner at 7pm. The meal will be followed by a program, including a "roast" of this year's recipients of the Baylor Brooks Honored Alumni Award. The two honorees being recognized this year are engineering geologists, Dorian Kuper and Tom Kuper. If you want to contribute a short, silly tale or possibly participate in the roast, let Sue know.

The "Bay Buffet" dinner will include caesar salad, potato salad, fresh seasonal fruit, Tuscan penne pasta, Veracruz mahi mahi, carved turkey, rice, seasonal mixed vegetables and dessert! Beverages will be available for purchase from an in-room, cash bar.

As a fund-raiser to partially fund students' banquet meals and other Alumni Association activities, we will have a silent auction that will be set up at the beginning of the evening and will conclude after the evening's program. If you have any items to donate to the auction, please bring them. We sincerely appreciate your donations!

Tom Ham's Lighthouse is located at 2150 Harbor Island Drive in San Diego, 619-291-9110. Directions are available at <http://www.tomhamslighthouse.com>. For banquet reservations, please complete and mail in the form available at the SDAG meeting by April 17th. For more info, contact Sue, sdsugeoalum@att.net or 619-442-8022.



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Series of Short Courses on Earthquake Engineering

EARTHQUAKE HAZARD ANALYSIS

Earthquake hazard analysis is increasingly required by building codes and earthquake design codes and regulations. Probabilistic and deterministic earthquake hazard approaches demand knowledge of recent developments in estimation of earthquake ground motions and refresh of basics of probability and statistics. This course includes: Overview of earthquake hazard evaluation, review of probabilistic concepts, instrumental and historical seismicity, seismogenic sources, earthquake ground motion estimation techniques, NGA attenuation relations, procedures for probabilistic and deterministic earthquake hazard analyses. This course is designed for practitioners in the fields of geotechnical engineering, structural engineering, geology and earth sciences who know earthquake basics but need a refresh and update of latest developments in the field.

Dates/Time: April 21 – May 26, 2009
Tuesdays, 6:00 pm – 9:00 pm
(6 sessions)

Location: UCSD Extension Complex
9600 N. Torrey Pines Road
La Jolla

Instructor: Dr. Jorge F. Meneses

Registration: <http://extension.ucsd.edu/>

Credit: 2 units

Instructor: Jorge F. Meneses, PhD, PE has more than 20 years of professional experience in the field of geotechnical earthquake engineering including consulting, project management, research and teaching. He is a frequent speaker at national and international conferences, reviewer of journals and conference papers, and has more than 45 technical publications. Dr. Meneses received his Master and Ph.D. degrees under the supervision of Professor Kenji Ishihara at the University of Tokyo, Japan.

JOB OPENINGS!

Brian F. Smith and Associates (BFSA) has immediate openings for several qualified individuals including **Paleontological Monitors**, and **Project Paleontologists** for projects in San Diego, Riverside, and San Bernardino

Counties. Positions require a B.A. or M.A. in geology, paleontology, or a related field, and field experience in southern California. Current City of San Diego Paleontological certification preferred, or must be able to become certified immediately. Compensation will depend upon qualifications and ability. Please send or fax a current resume, or vita and references to resumes@bfsa-ca.com or fax to 858-679-9896.

Brian F. Smith and Associates (www.bfsa-ca.com) offers consulting services pertaining to all aspects of paleontology, archaeology, biology, history, air, traffic, noise and investigations throughout the southwest, primarily in southern California. The combined experience of the principal consultants and associates represents over 100 years of involvement in the study of the history and prehistory of this region. BFSA's capabilities are highlighted by the range of current projects, including construction monitoring, data recovery mitigation programs, historical structure assessments, surveys and evaluations for both the California Environmental Quality Act (CEQA) and Section 106 of National Historic Preservation Act (NHPA).

URS Corporation, ranked number one on Engineering News-Record's list of the Top 500 Design Firms for Seventh consecutive year is a leading provider of planning, design, systems engineering and integration, technology development, program and construction management, and operations and maintenance services to federal, state and local government agencies in the U.S., Fortune 500 corporations worldwide and government clients in Europe and Asia/Pacific. We're currently looking for a Geologist in our San Diego, CA office.

URS30335 – Geologist/Engineer

Minimum Requirements: Bachelors Degree with 2+ years of experience in the environmental consulting industry or related business. Good written and verbal communication skills, able to work independently and familiar with local regulatory guidelines (DEH, RWQCB, DTSC). Valid drivers license is required due to some travel to/from sites as needed.

Job Description: Assist Project Manager in conducting Phase I and Phase II Site Assessments and oversight of remedial programs. Ability to successfully complete the following:

Manage small projects from start to finish with limited supervision, familiar with a variety of invasive drilling/subsurface investigation techniques, log borings in accordance with USCS, install monitoring wells in accordance with DEH guidelines, provide fieldwork oversight of subcontractors, prepare work plans, familiar with laboratory analyses and waste characterization criteria, familiar with human health screening criteria, interpretation of geologic and chemical data for surface water, soil, soil gas and groundwater and to assist with preparation of reports summarizing field procedures and results.

URS 33917 – Geologist/Engineer

Minimum Requirements: Bachelors Degree with 2+ years of experience in the environmental consulting industry or related business. Good written and verbal communication skills, able to work independently and familiar with local regulatory guidelines (DEH, RWQCB, DTSC). Valid drivers license is required due to some travel to/from sites as needed.

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URS Corporation is an Equal Opportunity Employer and strongly supports diversity in our workforce. M/F/V/D. We offer competitive salaries and a comprehensive benefits package. For immediate consideration please submit your resume online at www.urscorp.com and refer to **Requisition # URS30335** or send your resume to mike_blackmore@urscorp.com

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 (DPS) 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. The activities of DPS are helping to preserve significant fossil assemblages and are directly contributing to the growth of the important paleontological research collections at the Museum. We are currently looking to fill the following position:

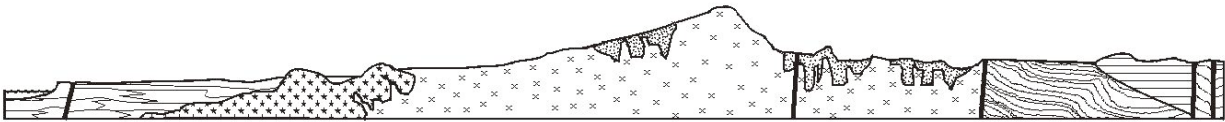
Paleontological Field Manager: Position responsibilities include coordination of paleontological field activities (i.e., supervision of field monitors in prospecting for and collection of fossils and the recording of stratigraphic, taphonomic, geographic, and topographic data) and production of final project reports that summarize the methods and preliminary results of paleontological salvage activities. Other

duties include generation of initial discovery letter reports for City, County, and/or State agency managers and generation of paleontological resource assessment technical reports. Opportunities also include paleontological field work in the Southern California region and working with the extensive fossil collections of the San Diego Natural History Museum.

Qualified candidates must have at least a B.S. Degree in Geology or Paleobiology; 2 to 3 years of relevant experience (especially sedimentary geology and paleontology); 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 (annual salary range \$40,000 to \$60,000).

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SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

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Please include company or other affiliation

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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)	\$ 5.00
(check choice)	_____ Regular Member (email delivery only)	\$ 25.00
	_____ Subscription to hardcopy newsletter	\$ 15.00
	_____ Corporate Sponsor (email delivery only)	\$100.00

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