

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENTS

WEDNESDAY, JULY 15, 2015

THE IMPERIAL VALLEY DESERT MUSEUM AND THE INFLUENCE OF GEOLOGY

Presented by:
Dr. Neal V. Hitch

Where: **The Alamo Mexican Cafe**
2543 Congress Street
San Diego, CA 92110
Tel: 619-296-1112

Directions: FROM INTERSTATE 5: Take the OLD TOWN AVENUE exit. Proceed east on Old Town Avenue. Turn left on to San Diego Avenue and then left at the fork onto Congress Street. The restaurant is located approximately three blocks to the north on the left (west) side of the street.

FROM INTERSTATE 15: Take CA 163 south to Mission valley and then take Interstate 8 west. Take the Taylor Street/Hotel Circle exit and head west on Taylor Street. Turn left (south) onto Congress Street. The restaurant is located approximately three blocks to the south on the right (west) side of the street.

When: 5:30 pm - Social Hour
6:30 pm - Dinner
7:30 pm - Program

Dinner: Mexican Buffet (Fajitas, Cheese Enchiladas, Rice & Beans). Cash bar

Cost: \$25 per person, \$5 discount for members, STUDENTS: \$15. Add \$5 if you did not make a reservation.



Reservations: Make your reservation online at www.sandiegogeologists.org **no later than noon, Monday July 13th**. Reservations cannot be guaranteed after Monday at noon; but are always preferred over walk ins. Reservations well before the deadline are MUCH appreciated.

ABSTRACT

Within the last three years the Imperial Valley Desert Museum has gone from “that museum that never opened” to a first class museum and curation facility. This presentation will take a brief look at the history of the IVDM, its location in the Yuha Desert, and the influence the local geology has had on its new permanent exhibit. Whether through hiking “rock talks”, a topographic map showing the history of water in the Valley, or the rock structures that anchor different sections of the exhibit, the interest of museum visitors in exploring the geology of the beautiful deserts of Southern California have influenced the museum. This talk will also briefly share the geology of the Coyote Mountains that the Museum has been studying and hopes to interpret within another permanent exhibit on the geology of the Imperial Valley: its tectonic plates, volcanoes, earthquakes, and how that geology has been used by humans for thousands of years.

SPEAKER BIO

Currently the Director of the Imperial Valley Desert Museum and a native of Columbus, Ohio, Dr. Hitch received his B.S. magna cum laude in Architecture, M. Arch, and Ph.D. in American History from the Ohio State University. His last job was as director of the Turks & Caicos National Museum on Grant Turk, Turks & Caicos Islands, British West Indies.

UPCOMING MEETINGS

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

August 19, 2015 (WEDNESDAY)	Eldon Gath – The Panama Canal
September 16, 2015 (WEDNESDAY)	Mark Legg – The Continental Borderland

2015 SDAG EXECUTIVE COMMITTEE

PRESIDENT – Jennifer Bauer Morton; geologyjen@yahoo.com

VICE PRESIDENT – Randy Wagner; Ph: (760) 877-3490 randallwagner@live.com

SECRETARY –Rupert Adams, rsa_sdag@geoconinc.com

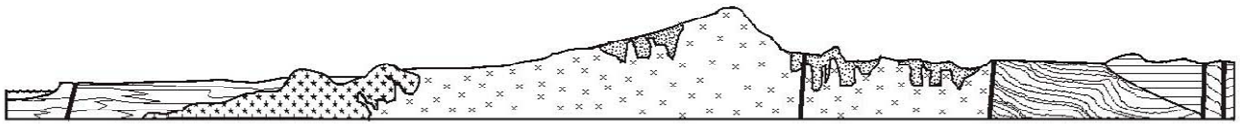
TREASURER – Chris Livesey, liveseychris@yahoo.com

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

2015 SDAG MEMBERSHIP

Although its past the beginning of the year, dues are always welcome at any time! The regular membership is \$25 (only \$5 for students) while the sponsor membership starts at \$100. Both forms are included on the following pages or they can be found on the home page of the SDAG website.



SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegoeologists.org

2015 MEMBERSHIP FORM

NAME: _____ DATE: _____

Please type or print clearly.

Home Address: _____

Work Address: _____

Please include company, university or other affiliation

Home E-mail Address: _____

Work E-mail Address: _____

NOTE: Your membership dues include delivery of the monthly SDAG newsletter and announcements to the email addresses given.

Phone: Home: _____ Work: _____ Cell: _____

Website: _____

Are you willing to serve as an **officer**? _____ Are you willing to volunteer as a **guest speaker**? _____

Field(s) of Interest: _____

Dues: _____ Student Member (email delivery only) \$ 5.00

(check choice)

_____ Regular Member (email delivery only) \$ 25.00

_____ Donation Student Scholarships \$ _____

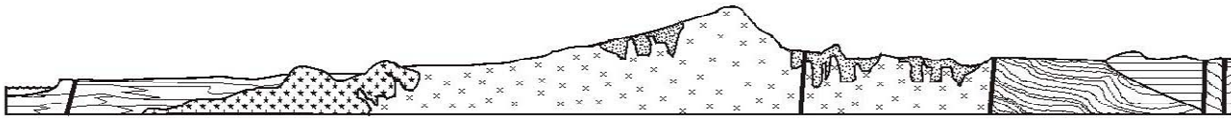
New/Returning Member Continuing Member

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

San Diego Association of Geologists (SDAG)

3130 N Evergreen Street

San Diego, CA 92110



SAN DIEGO ASSOCIATION OF GEOLOGISTS

2015 SPONSORSHIP FORM

NAME: _____ DATE: _____

(as you would like it to appear in Newsletter, Website, and Guidebook)

Please type or print clearly, and check preferred mailing address below.

Residential Address: _____

Office/School Address: _____

Website: _____

Home E-mail Address: _____

Work E-mail Address: _____

NOTE: Your Sponsorship includes a complimentary SDAG membership, and delivery of the monthly SDAG newsletter and announcements to the email addresses given.

Phone: Home: _____ Work: _____ Cell: _____

Donation Level and Consideration:

EMERALD \$100.00 (In addition to monthly recognition for your contribution, you are entitled to a free Internet "link" from SDAG Website. We also list all Sponsors in any publications printed this year)

RUBY \$500.00 (In addition to the above, you are entitled to an image of your business card in the monthly newsletter and SDAG Website)

DIAMOND \$1,000.00 (In addition to the above, you will receive a commemorative plaque in recognition for your most generous support of the organization)

New Member / Donor Continuing Member Change of mailing address:

Are you interested to serve as an officer? _____ Willing to volunteer as a guest speaker? _____

Please make check payable to San Diego Geological Society, Inc., a 501(c)3 public benefit nonprofit educational corporation (in order to claim a tax deduction), and mail to:

San Diego Geological Society, Inc.
3130 North Evergreen St.
San Diego, California 92110 **Thank you!**

*Donations may also be made
at monthly meetings.*

Revised 11/18/2014

SDAG PRESIDENT'S CORNER

Greetings SDAG Members!

I hope everyone is having a fabulous summer so far! We had a wonderful meeting in June with our friends up north. Thank you, SCGS, for hosting another fun joint meeting! Eric Drummond provided a great presentation about his work in Greenland and the filming of Ice Cold Gold.

This month we will get an update from our friends at the Imperial Valley Desert Museum. If you have never been there, I highly recommend checking it out. This month's presentation will include a look at the geology of the Coyote Mountains – a little preview to our field trip! Hope to see you all there!

Jennifer Bauer Morton, PG
SDAG President

ANNOUNCEMENTS

SDAG 2015 FIELD TRIP

“Western Salton Trough Regional Tectonics, Coyote Mountains and Vicinity”

November 6-8, 2015

On this field trip we will explore the complex geologic history of the western Salton Trough as expressed in the Coyote Mountains north of Ocotillo. Paleozoic miogeoclinal metamorphic rocks, coarse-grained Mesozoic intrusive rocks, and Cenozoic sedimentary rocks and fanglomerates have been deformed by major faulting. Complex structure challenges interpretation. We seek to examine revealing outcrops that help to illustrate the stratigraphy, structure, and regional geology in this area. We will also consider the mineral potential, tectonics of the region, and resulting landforms.

Registration paperwork providing additional fieldtrip information is forthcoming and should be available at the end of July. Stay tuned!

If you have any questions, call or e-mail to Randy Wagner: randallwagner@live.com (760) 877-3490

SIERRA CLUB LECTURE SERIES - JULY 3RD. 2015

BY BRIAN OLSON

Brian is a San Diego resident and Certified Engineering Geologist with a 19 year career in the field of geotechnical consulting. He initiated his geological education at the University of California, Santa Barbara, where he obtained a multidisciplinary degree in hydrological science and geology through UCSB's pioneering Environmental Studies department, graduating with honors in 1995. His consulting career has since included geologic investigations on often large, high profile, and always geologically complex construction projects.

In 2011-2014, he served as an officer in the San Diego Association of Geologists (SDAG), a local organization with over 45 years of history advocating, investigating and publishing geologic, geotechnical and environmental information specific to Southern California and Baja. In 2013, as vice president of this 501c3 organization, he conceived, edited, and with the help of a committee of other local geologist colleagues, published *San Luis Rey on Display: Geoscience in Northern San Diego County*.

San Luis Rey on Display: Geoscience in Northern San Diego County is a guidebook and collection of papers presenting SDAG's 2013 annual field trip through the San Luis Rey alluvial drainage basin. It includes a road log and geologic maps for insights on geology, paleontology, and archeology of this 55 mile long watershed. It is

San Diego's largest and least developed - contained entirely within County limits - extending from headwaters at the western edge of the Anza-Borrego Desert State Park to the Pacific Ocean at Oceanside.

Brian will be sharing some of the insights learned from the field trip and research done for this guidebook at the monthly Sierra Club lecture series on Friday, July 3rd, at 7 p.m. at the Joyce Beers Uptown Center at 3900 Vermont St., San Diego, across the street from Trader Joe's in Ralph's Market HUB Center.

STATE REGISTRATION EXAM HELP

One of our new members, Sergio Postigo who has recently moved to the San Diego area, will be taking his registration exams later this year for the PG. Sergio is looking to meet up with anyone who may be interested in forming a study group for the exam and/or hear from anyone who has recently taken the exam and can provide some useful insights. He can be contacted at Email sergiopostigo@yahoo.com

CALL FOR ARTICLES

SDAG invites members to submit articles on their current research or an interesting project they are working on for publication in the monthly newsletter. The article should be no more than 1 page in length. Photos are welcomed; too. Please submit articles to the SDAG secretary via email.

SDAG RESEARCH TOOL

SDAG RESEARCH TOOL - A comprehensive listing of all papers published by SDAG, whether as annual field trip guidebooks or special publications, is now available on our website. Entries are sorted by primary author, or chronologically by date of publication, from our first guidebook in 1972, up the San Luis Rey River in 2013, and from Coast to Cactus in 2014. These can be accessed or downloaded as .pdf files. They are fully searchable in Adobe Reader or Acrobat, so if you are researching a topic, "tsunami" for example, you can search for that keyword. This listing will be updated as new books are published. Thanks to Greg Peterson and Hargis + Associates, Inc., for making this possible. See the links below:

http://www.sandiegogeologists.org/SDAG_Pubs_authors.pdf

http://www.sandiegogeologists.org/SDAG_Pubs_chronological.pdf



The 2015 GSA Annual Meeting will be November 1 - 4, 2015
in Baltimore, MD, at the Baltimore Convention Center

SDAG MONTHLY PHOTO COMPETITION

This month's submission comes from Christina Tretinjak at Ninyo & Moore.



Caisson drilling for the new lifeguard station in La Jolla Cove

Geology Job Opportunities

Several job openings have come available in the past couple of months...hopefully a sign of a strengthening economy for California. The listings were sent out in separate e-mails, but are included herein as some of them are still open:

Environmental Engineer/Environmental Scientist – San Diego – RCRA/CERCLA

KMEA is a multi-discipline environmental services firm expanding its contracts with the Federal Government. We seek a full time Environmental Engineer or Environmental Scientist for the San Diego area with 2 to 5 years of environmental field experience working for the U.S. Navy and/or other Department of Defense customers.

Responsibilities

Candidates must have RCRA and CERCLA experience with the U.S. Navy and a desire & ability to work across a broad range of environmental disciplines that include groundwater, soil, and soil vapor sampling/data collection/data reduction; writing Work Plans/Sampling and Analysis Plans, APPs and HASPs, RI/FS documents, Proposed Plans and RODs.

Responsibilities include:

- Performs soil sampling, soil vapor sampling, monitoring well installation, and groundwater sampling.
- Gathers data; prepares charts, maps, field diagrams, and schematics.
- Prepares field reports, internal correspondence and sections of formal reports with supervision and review of project managers.
- Contacts vendors, develops scopes of work, gets bids, and forwards information to subcontract administrator.
- Follows company safety standards and site safety standards.
- Performs engineering and scientific calculations; may perform water and soil modeling work using various programs, preliminary analysis, and permitting work.

Qualifications

- Experienced with computer word processing, spreadsheet and database programs.
- Experienced with sample collection, data reduction and permitting processes.
- Good oral and written communication skills.
- MS Office (Word, Excel, and Outlook), PowerPoint; GIS, AutoCAD, other software experience is a plus.
- Must be an organized, motivated and detail-oriented team player.

Education

- BS or MS in Engineering Discipline (Civil, Environmental) or Science (Biology, Geology).
- Professional Registration or ability to obtain would be a real plus.

Experience

- Must have RCRA/CERCLA/UST experience with the U.S. Navy; experience in MRP work is also desirable.
- Experience in storm water and other compliance work for the Navy is also desirable.
- Skilled in basic or standard field procedures and techniques.
- Experienced in writing technical studies and reports, collecting field data, and writing internal correspondence.
- 2 - 5 Years working in field compliance and permitting or related environmental.
- Must pass drug test, MVR check and background check.
- Must be a U.S. resident or have permanent citizenship.
-

To apply, please follow this link:

https://www.appone.com/MainInfoReq.asp?R_ID=1052005

SENIOR ENGINEERING GEOLOGIST

Job Description: Ninyo & Moore has an immediate opportunity for a Senior Engineering Geologist in our San Diego office. The successful candidate will perform the following activities:

a) Prepare and review geologic maps and cross sections, conduct geologic site reconnaissance and subsurface evaluations, logging of small- and large-diameter borings and test pits for evaluation of subsurface soil and geologic conditions, and performing construction observation services. b) Prepare and review scope of services, cost breakdowns, and proposals for geotechnical design and construction projects. c) Review and assist project managers with the accumulation and compilation of geotechnical data including background information, review of geotechnical geohazard maps and fault maps, review and interpretation of aerial photographs, and boring and test pit logs. d) Prepare and oversee field logistics and subcontract management. e) Prepare and review professional geotechnical reports for private industry and governmental agencies. f) Participate in the supervision, training, and mentoring of staff, senior staff, and project level professionals. g) Review contract documents and prepare and review project invoicing. h) Review and implement technical protocols and procedures in accordance with company operating procedures. i) Travel to job sites and meetings with clients, agencies, and third parties.

Education: B.A. /B.S. (M.S. preferred) in Geology, Engineering Geology, or Geological Engineering.

Required Skills: The successful candidate should have 5+ years of experience, preferably with a geotechnical consulting firm or government agency performing duties described above. Candidate should have a thorough understanding and knowledge of soils classification, engineering geologic description, and field mapping. Candidate should have excellent verbal and written communication skills, a positive attitude, good organizational skills, and a strong work ethic. Must be able to work both independently and as a team member. Must have a current valid driver's license.

Required Certifications: California Professional Geologist (PG), California Certified Engineering Geologist (CEG) preferred.

Status: Full Time

Location: San Diego, CA **Reference**

ID: SEG - SD

Geology Job Seekers

We have heard from many upcoming geologists at our recent meetings, all of whom are seeking work opportunities here in San Diego. Included herein, in no particular order, are bio's and contact information of our members looking to gain a foothold in the local professional community:

SENIOR GEOLOGIST - Bilingual English and Spanish speaker with 12 years of experience in geological, geotechnical, and hydrogeological investigations for civil projects such as highways, railway lines, dumping sites, dams and residential buildings. A postgraduate specifically trained in environmental management and groundwater hydrology. Skilled in site management, drilling campaigns, and supervision of geotechnical laboratory and site tests.

Detailed work experience, education, and recommendations at <http://www.linkedin.com/in/sergiopostigo/>.
Email sergiopostigo@yahoo.com or call Sergio Postigo at 619-450-3642

This is Farida Baxamusa, MS- Earth Science from Scripps Institution Of Oceanography (SIO), University of California, San Diego (UCSD). I am originally from India, and have another Master's in Earth Sciences from St. Xavier's College, University of Mumbai, India. I have also been granted the Dr. Ratan Nadirshaw Sukeshwala and Dr. Dayanand Dattatraya Yellur scholarship for securing highest rank in Earth Science at MS Part I and Part II. After completing my MS in India, I secured an internship at Oil and Natural Gas Corporation (ONGC), Mumbai, India. Later I worked as an Earth Science lecturer at St. Xavier's College, University of Mumbai, India where I held classes, directed discussions among large groups ranging from 35 to 80 students on mineralogy, petrology, geochemistry, crystallography, economic geology, oceanography, and plate tectonics and led lab courses involving mapping, stratigraphy, and paleontology. In September of 2013, I was accepted at SIO, UCSD for a master's program. Dr. Lisa Tauxe was my advisor and I worked as a research assistant under her in the field of paleomagnetism. I worked in the paleomagnetism laboratory where I skillfully selected quenched rock materials from lava flow samples to obtain accurate estimates of the Earth's magnetic field intensities. I developed python scripts to analyze individual samples to obtain their paleointensity values. I also worked as a teaching assistant for a year where I assisted teaching undergraduates introductory geology and Earth processes, collaborated with other teaching assistants and professors to aid in conducting an introductory course about hydrologic processes on Earth and held office hours, tutored students, proctored and graded exams. Around the time of completion of my degree I presented my year's research to the faculty members of the Geoscience Research Division (GRD) and qualified for my MS in Earth Science and graduated in September of 2014. I am currently doing 3 part time jobs, one as a Staff Research Associate at SIO, the other as a Staff scientist at the Bodhi Group where I perform phase I site assessments, and the third as a geology education website volunteer at California Coastal Commission Public Education Department, CA. I am now actively looking for a job in environmental consultancy firms or educational institutions. I believe that I have a varied background and education and the perseverance and grit in achieving excellence in everything I do. If you have any advice, jobs, internships please

feel free to contact me at fbaxamus@ucsd.edu or call me on 858-397-8456. Your help and guidance will be highly appreciated.

REQUEST for 2015 SDAG/SDGS and PUBLICATION SPONSORS

On behalf of the San Diego Geological Society, Inc. (SDGS), a public benefit 501(c)3 nonprofit educational corporation, we would like to request tax deductible Donations for our San Diego Association of Geologists (SDAG) group. The list of paid Sponsors and the forms to become a Sponsor are located on the SDAG web site at: <http://www.sandiegogeologists.org/Sponsors.html>.

Your donation will further the SDGS mission to promote geology and related fields in the greater San Diego region, operating through the San Diego Association of Geologists (SDAG), a committee of SDGS. To achieve our primary educational objective, we organize frequent field trips and maintain a program of monthly meetings featuring speakers on current geological topics. We also publish field trip guidebooks and other publications related to geology and natural history. We encourage scholarship and research by awarding scholarships from the elementary through graduate levels. With your \$100 "EMERALD" donation, your name/business will be listed as a sponsor on the SDAG web site (<http://www.sandiegogeologists.org/>) and in the monthly SDAG meeting newsletters. With your \$500 "RUBY" or \$1,000 or more "DIAMOND" level donation, your business card will also be included on the SDAG web site and in the monthly SDAG meeting newsletters. In addition, as a "\$1,000 or more DIAMOND" level donation you will be presented with a thank you plaque.

Should you have any questions regarding a Sponsorship, please contact our non-profit SDGS Secretary (Diane Murbach) at 619-865-4333.