

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENT

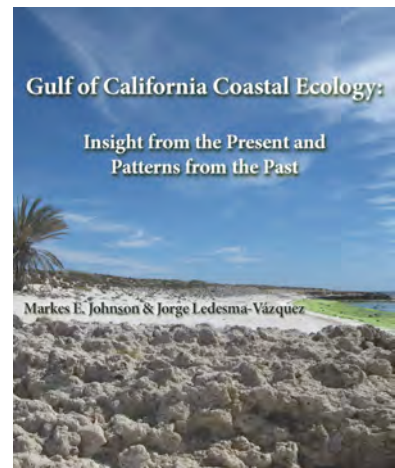
WEDNESDAY, MAY 18, 2016

Gulf of California Coastal Ecology: Insights from the Present and Patterns from the Past

Presented by:
Markes Johnson

Where: **Phil's Barbeque Point Loma**
3750 Sports Arena Boulevard
San Diego, CA 92110
(See Map)

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



Directions: FROM INTERSTATE 5: Take Exit 20 or Camino Del Rio West south towards Rosecrans Street. Make a right onto Sports Arena Boulevard and head west for approximately 0.7 miles. The restaurant is on the right hand side (see the Map).

FROM INTERSTATE 8: Head west past Interstate 5. Take Exit 1 West Mission Bay/Sports Arena Boulevard. Make a left under the freeway and another left at Sports Arena Boulevard. The restaurant is on the left in approximately 0.2 miles (see the Map).

Note: the event room we will be using is across the parking lot to the east and is separate from the main restaurant.

Dinner: Baby Back Ribs and Chicken or Veggie Burger; and Cash Bar

Cost: \$35 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 May 16th**. Reservations cannot be guaranteed after Monday at noon; but are always preferred over walk ins. Reservations well before the deadline are MUCH appreciated.

Map:



ABSTRACT

Gulf of California Coastal Ecology: Insights from the Present and Patterns from the Past

Presented by: **Markes Johnson**

Co-authored by geologist Jorge Ledesma-Vázquez, this handbook on ecology and paleoecology is infused with insights on the origins and development of Mexico's Sea of Cortés during a span of more than 12 million years. It makes the connection between a beautiful shell washed onto a beach with the discovery of the same or a similar fossil shell from a nearby limestone cliff. The concept of natural history appears less often in increasingly specialized literature, nowadays, failing to draw a connection between the present and the distant past.

This book makes the connection and brings the past alive. It deals with multiple and interlocking ecosystems and their fossil counterparts, providing a holistic overview on geography, ecology, and

geology. Students, scholars, and outdoor enthusiasts of all kinds will find this guide an indispensable resource for exploration of virtually any stretch of coastline on the Gulf of California.

SPEAKER BIO

Markes E. Johnson is the Charles L. MacMillan Professor of Natural Science, Emeritus, at Williams College in Williamstown, Massachusetts, where he taught courses in historical geology, paleontology, and stratigraphy in the Geosciences Department over a 35-year career. His undergraduate education in geology concluded with a BA degree (1971) from the University of Iowa and his advanced training in paleoecology culminated with a PhD degree (1977) through the Department of Geophysical Sciences at the University of Chicago.

With 25 years of field experience in Baja California, Johnson has been a semi-annual visitor to the frontier states of Mexico where he habitually led field courses and supervised thesis projects for students from Williams College. He is an authority on the geology of ancient shorelines and the evolution of inter-tidal life through geologic time based on studies conducted around the world from Western Australia to China's Inner Mongolia to the fringe of Arctic lands across Siberia, Norway, and Canada, as well as comparatively young island groups such as the Seychelles in the Indian Ocean and the Cape Verdes in the North Atlantic.

Whether on explorations near or far away, this traveler has always been drawn back to the wild islands in the western Gulf of California and their associated peninsular shores. The author lives with his spouse, Gudveig Baarli, in Williamstown, Massachusetts, where they maintain an active and mutually supportive schedule of ongoing research and writing projects.

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.

June 8, 2016	Joint Meeting with South Coast Geological Society: Jeff Keaton - Oso Landslide: An Overview of the Geotechnical Extreme Events Reconnaissance (GEER) Response
July 13, 2016	Steve Borron - Predicting Slope Failures Using Slope-Monitoring Radar
Aug 2016	TBD

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2016 SDAG FIELDTRIP UPDATE:

GEOHAZARDS OF NORTHERN BAJA CALIFORNIA

Evaluating the Effects of Geologic Hazards on the Local Landscape

SDAG 2016 Field Trip – October 22th through 24th

Planning is now well underway on this year's exciting trip to Northern Baja, which will examine features related to faulting, landsliding and other erosional and mass wasting processes, and will assess their effects on the local landscape. We have now expanded this year's trip into **3 days**, beginning on Saturday the 22nd of October with an early morning rendezvous and breakfast near the US-Mexico border, before crossing, and touring down the coast to Punta Banda, just south of Ensenada, examining several faults, landslides and geologic exposures along the way. **Day two** will be spent traversing the Agua Blanca fault zone, with the day culminating in examination of a new fault trench excavated in young alluvial fan deposits, before overnighting in the Santo Tomas area. For those that choose to stay for **day three**, we will return to the US, most likely via some of the wineries in the Guadalupe Valley, before crossing the border at Tecate and returning to our starting point to pick up vehicles.

We are very fortunate this year to have the help and guidance of some of the most experienced local geologists in Southern California, including our very own John Minch and Jim Ashby, who have worked extensively in Baja over the last 40 years. In addition, we have partnered with colleagues and graduate students at CICESE University, several of whom are participating in the fieldtrip and sharing their research. We also have Peter Gold from the University of Austin Texas, who will be presenting his research on the Agua Blanca Fault at our regular September meeting, and attending the fieldtrip as well to share his insights on the fault.

With respect to logistics, arrangements are ongoing, but we would like to highlight the following key points:

- You must have a **valid US passport or valid US permanent resident card** (Green Card) to cross back into the US at the end of the trip
- Transport will most likely be by a combination of bus/coach and private vehicle (SEE BELOW).
- We anticipate having a choice of both camping and hotel rooms at both overnight stops.
- All meals will be provided and we are looking at catering services to provide food at our overnight locations as well as during the day for lunch etc.
- We are planning several modes of transport for the trip. There has been significant interest by members who would like to travel by bus/coach. However, we will also require some 4x4 vehicles to access stops that cannot be reached by bus, or are too far to hike to (SEE BELOW).

With all this in mind we are looking for some feedback from our members to assist in trip planning. If you could answer the following questions and return the completed form to one of the Officers, it would be greatly appreciated!

NAME: _____

1. Are you planning on attending this year's fieldtrip?

YES, NO, MAYBE (Circle one)

2. If yes, would you prefer to travel on a bus/coach or bring your own car/rent a car or ride in someone else's car?

BUS, CAR (Circle one)

3. We are looking for at least 4 or 5 off-road vehicles to help transport people to locations that cannot be accessed by bus. If you have such a pickup truck or other suitable vehicle, would you be willing to drive it on the trip?

YES, NO, N/A (Circle one)

4. If you plan to attend, would you be more likely to stay for all three days or leave the trip earlier and return to the US separately?

LEAVE EARLY STAY ALL 3 DAYS (Circle one)

5. If you plan to attend, will you bring any family members or friends?

0, 1, 2, 3, 4 or more (Circle one)

6. Will you be needing vegetarian options for food?

YES, NO (Circle one)

Please e-mail your responses to: adams@geoconinc.com

ANNOUNCEMENTS

CALL FOR PAPERS

GEOHAZARDS OF NORTHERN BAJA CALIFORNIA

Evaluating the Effects of Geologic Hazards on the Local Landscape

SDAG 2016 Field Trip – October 21th through 23th

On this field trip, we will travel south of the US-Mexico border to examine the geomorphic features related to faulting, landsliding and other erosional and mass wasting processes. If possible, we will also examine fault related features on a smaller scale in trench exposures. In addition, depending on the outcome of this year's highly anticipated El Niño, we may be able to examine the effects of the heavy rains on the local landscape. Where possible, we will look at how geotechnical engineering solutions have been employed to stabilize the local landscape.



SDAG seeks new manuscripts based on original work relating to earthquakes, faulting, landsliding, and/or any other geologic hazards that may affect Northern Baja. We also invite authors to submit articles on a broader range of topics including regional geology, structural geology, hydrogeology and groundwater resources.

Deadline for Abstracts: Friday, May 20th, 2016

Please submit the following information along with abstracts:

- Title
- Author(s) and affiliation
- Address, email, and telephone numbers for the author(s)

Please submit abstracts by email to Rupert Adams at adams@geoconinc.com



"ROCK DONATIONS NEEDED:

Amy Romano, one of our former student members, is looking for rock donations. Amy is currently attending Humboldt State University and majoring in Geology. She is very involved with Humboldt's Geology Club, and every year the club holds a rock auction to support their activities. If you have any rocks to donate, please contact Amy at ajr612@humboldt.edu.

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, from Coast to Cactus in 2014, and finally over the edge to the Coyote Mountains in 2015. 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.sandiegoeologists.org/SDAG_Pubs_authors.pdf

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



THE GEOLOGICAL SOCIETY OF AMERICA®

The 2016 GSA Annual Meeting will be September 25 - 28, 2016
in Denver, Colorado

The SIPES (Society of Independent Professional Earth Scientists) is planning their annual conference in San Diego on August 1-4, 2016 at the Omni Resort and are looking for people to give presentations and for potential field trip stops that represent the local geology of any type, so the scope of the presentations and field trip is fairly open. The SIPES is a national group, consisting mostly of independent geoscientists. Their website is <https://sipes.org>. Speaker presentations will take place on August 2 & 3 and the field trip is set for the 4th. Any person giving a presentation receives free registration to attend all functions, and can join the networking group for free. The presentations should be approximately 25 minutes in length and have a PowerPoint presentation, if possible. They find the applicability and interest in most geological and geophysical parameters to be appropriate for the conference. However, diversity is greatly sought as well.

They are also looking for a Foundation Speaker to give a 2-hour talk on the local geology (or some aspect of it) and will provide a \$1,000 donation or payment for the Foundation Speaker.

If you are interested in giving a talk, attending the conference or have any questions you can contact Kirk Kolar at kckoil100@gmail.com. If you have a presentation you'd like to give please submit a short abstract and a very brief bio to be listed in the conference brochure to Kirk.

SDAG MONTHLY PHOTO COMPETITION

This month's photo submittal comes from our past president Brian Olson from Labrador last month. FYI auto-hammers are a touch temperamental when it's -25C. This is installation of a micropile foundation. The frozen ground provided the drill foundation on the peat bog, impossible to access most months of the year. It only looks cohesive because it's frozen. Micropiles bond in the granitic rock about 5-9 m below the surface. FYI, there is a grout plant in the box truck. Submit your photo via email to the SDAG secretary for entry. Great photos Brian! Good choice of a field chair.



Great Field Chair!



GEOLOGY JOB OPPORTUNITIES

Crux Subsurface, Inc.

From our past president Brian J. Olson, Quanta Subsurface, a brand new Quanta Services Company has hatched, and is looking for senior staff to project level (nearly registered to registered) geologists. For more information visit:

https://www.appone.com/MainInfoReq.asp?R_ID=1226572&B_ID=83&fid=1&Adid=0&ssbgcolor=5B5

Brian says “it is an excellent opportunity to practice field geology throughout Southern California as well as internationally, as we have numerous large contracts setting up for this young but well established geotechnical engineering company. Feel free to email me at bolson@cruxeg.com if you have any questions.”

Geology Institutions

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

Maxwell Clayton Utter

| mu47@nau.edu | cell: 858-663-9580|

Education

Education Level: Undergraduate Student 80 Credit Hours

Education Institution: Northern Arizona University

Majors: Environmental Sciences and Geology

College GPA: 3.46

SAT Score: 1850 690 Math, 630 Critical Reading, 520 Writing

Academic and Related Awards

Northern Arizona University

- Northern Arizona University Dean's List 2013, 2014, 2015
- Delta Epsilon Iota Honor Society Member Nov 2014
- National Society of Leadership and Success Member Oct 2014
- National Society of Collegiate Scholars Member
"For exemplary academic performance" May 2014
- Cardinal Key Honor Society Nominee Aug 2014
- Blue Key Honor Society Nominee Nov 2014

Del Norte High School

- Nighthawk Scholar
"For achieving a GPA of 4.0 or greater" 2012, 2013
- Principals Honor List
"For achieving a GPA of 3.75 or greater" 2012
- Del Norte High School Certificate of Merit
"For exceptional merit in academics" Mar 2011
- Mensa Member Oct 2010

Oak Valley Middle School

- Science Olympiad 1st Place in Meteorology San Diego County Feb 2009
- Science Olympiad 3rd place in Meteorology State of California Apr 2009

Leadership

- Northern Arizona University Geology Club President 2014-present
- Delta Epsilon Iota Honor Society Treasurer Jan 2015-Aug 2015

Work Experience

- Northern Arizona University REDD+ Research Assistant Dec 2014- Mar 2015
- Teaching Assistant Northern Arizona University Chemistry 151 Aug 2014- Dec 2014
- Teaching Assistant Black Mountain Academy Aug 2014
- Habitat Restoration: San Diego Botanical Gardens Jun 2014- Aug 2014
- Landscaper Jun 2008 to Aug 2013

Volunteer Service

- Water Sampling Studies For Reintroduction of Native Species Jan 2010- Jun 2015
- Stone Ranch Elementary Science Fair Judge Feb 2011, Feb 2012
- Boy Scout Beach Cleanup Aug 2012

- 4S Ranch Autism Walk Founder Jan 2008- May 2013
Raised over \$10,000 for children with Autism
- Best Buddies- Event organizer Aug 2009- May 2013
- Facilitator- Special Education Basketball League Jan 2013- Jan 2015
- Bread of Life Homeless Facility Oceanside CA Aug 2011
- Home of Guiding Hands Building Renovation Jan 2011
- UCSD Brain Function Study Jan 2009

Extra-curricular Awards

- Autism Society of America Autism Angel Award Jan 2013
“For extraordinary service to the special needs community”

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 Sukeswala 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 2016 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.

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Contact: **Dr. David R. Hargis**



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2470 Impala Dr., Carlsbad, CA 92010
(800) 834-9888

Contact: **Louise Adams or Suzie Nawikas**



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Contact: **Dave Bloom**



Contact: **Rupert Adams, CEG**

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Contact: Brian Olson

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