

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENT

[WEDNESDAY, November 19, 2014](#)

Yellowstone Plume Trigger for Basin and Range Extension, and Mid-Miocene Emplacement of the >1000-km-long Nevada-Columbia Basin Magmatic Belt

Presented by:

Dr. Vic Camp

San Diego State University

Where: Emiliano's Mexican Restaurant (overlooking Admiral Baker Golf Course)
(See the Map on Page 2)

6690 Mission Gorge Road, San Diego, CA 92120

(619) 284-2460

When: 5:30 pm – Social Hour

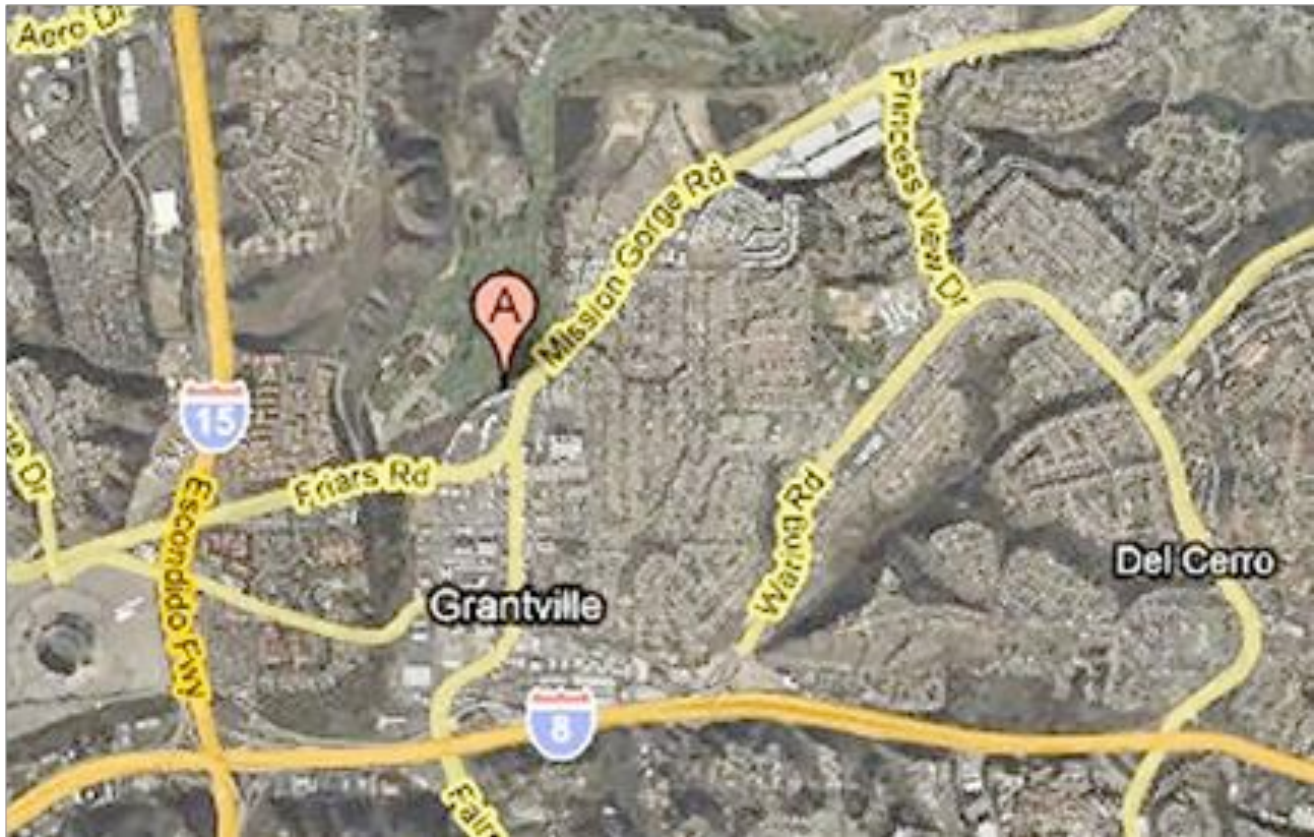
6:30 pm – Dinner

7:15 pm – Program

Dinner: Mexicano Fantastico, Beverage Station, Cash Bar

Cost: \$30 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, November 17th. Reservations well in advance of the deadline are MUCH appreciated.**



RESERVATIONS CANNOT BE GUARANTEED AFTER MONDAY AT 12 NOON BUT THEY ARE ALWAYS PREFERRED OVER WALK-INS

ABSTRACT

Basin and Range extension has typically been explained as the product of broadly distributed shear of the plate interior by Pacific plate-North American plate interaction, or by buoyancy-driven extensional strain associated with a thickened crust. However, there has been little discussion on the potential role of the Yellowstone hotspot in driving large-scale Basin and Range crustal stretching. New data presented in this talk suggest that the Yellowstone hotspot may have been the primary catalyst for mid-Miocene extension throughout the Great Basin with contemporaneous plume-related magmatism extending from the Colorado extensional corridor in southern Nevada to the Columbia Basin in eastern Washington.

SPEAKER BIO

Vic Camp received his B.S. degree from Marshall University, his M.S. from Miami University, and Ph.D. from Washington State University. After ten years of international experience in Africa, Iran, Canada, and Saudi Arabia, he began teaching San Diego State University in 1993 where he has taught a variety of courses at all academic levels. His research interests are in geologic mapping, volcanology, igneous petrology, and regional studies on the tectonic evolution of volcanic terrains. His current research focus is on tectonomagmatism associated with the mid-Miocene initiation on the Yellowstone hotspot, and its influence on Columbia River flood-basalt volcanism, Basin and Range extension, and coeval volcanism associated with the ancestral Cascades volcanic arc.

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SDAG MEETING SCHEDULE

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.

December 17, 2014	Tom Demere – The recovery of late Oligocene vertebrate fossils in south Carlsbad: Implications for the geologic history of Paleogene strata in northern San Diego County
January 21, 2015	Renee Deutsch – The Impossible Landslide (Carrizo Gorge's 1932 Goat Canyon Disaster)
February 18, 2015	Chuck Houser - Calcite

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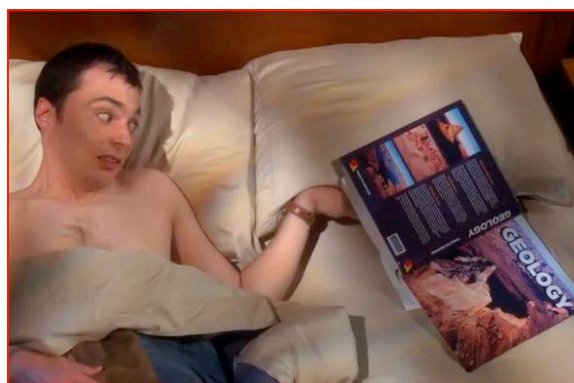
PRESIDENT'S CORNER

Hello there SDAG. Another successful field trip this past month! I hope everyone on it had a great time. I've decided to take a little different angle on this month's "Corner". Since to be reading this newsletter, you should be sitting at a computer, and certainly have some time on your hands, here are some youtube links I've stumbled over in the past year that poke some fun, and are worth sitting past the preliminary advert. If you've already seen all of them, I apologize, but you should probably get off the computer and go get some exercise:



<http://www.youtube.com/watch?v=DWillhAh2-U>

We all know that the good geotechs
need only pinch the soil



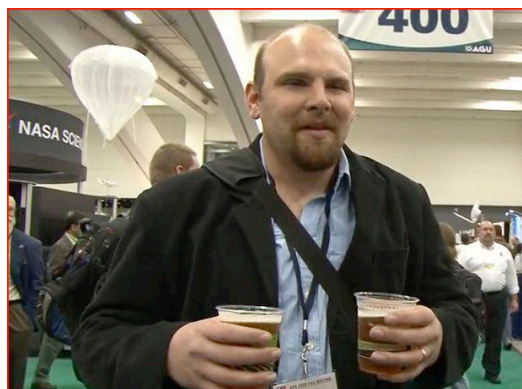
<http://www.youtube.com/watch?v=aOOp3FHOPyQ>

The Kardashians of Science!?!?



<http://www.youtube.com/watch?v=qF0iC6DXMQ8>

"Your substrata makes my lava flow."



http://www.youtube.com/watch?v=q29578ZF_7o

..because I like free flow of information
(or I hate lines), I double fist.

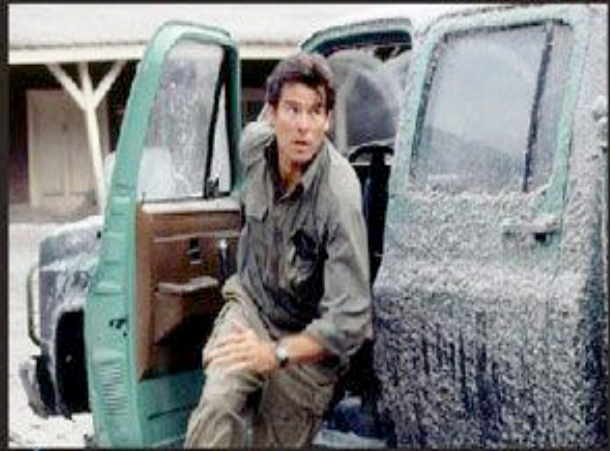
Brian J. Olson
2014 SDAG President

PICTURE OF THE MONTH

GEOLOGY



What I think I do



What society thinks
I do



What my friends
think I do



What I actually do

ANNOUNCEMENTS

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.

CALL FOR PHOTOS! SDAG invites members to submit photographs of an interesting geologic feature for publication in a new section of the newsletter – “Photo of the Month”. Please submit your photo along with a caption to the SDAG secretary via email.

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, through the Palms to the Pines, and finally up the San Luis Rey River in 2013. 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

Geology Books for Sale

Local geologist has a large collection of historic books for sale on coastal geology, sedimentology, marine geology, and oceanography, many of which are out of print. If interested, please email the SDAG VP for contact information geologyjen@yahoo.com

ANNOUNCEMENTS (con't)



The 2014 GSA Annual Meeting will be held from October 19th to the 22nd, 2014
in Vancouver, BC Canada at the Vancouver Convention Centre

Information on the meeting can be found at
<http://community.geosociety.org/gsa2014/home/>

Registration Deadline is: 15 September 2014

for future reference:

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

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Internship/Job Shadow

My name is Wesley Antczak and I am currently a prospective geologist interested in studying hydrogeology. I am writing to see if anyone or any organization is accepting applications for internships or would be interested in allowing me the opportunity to shadow them during a day of work. Currently, I am trying to decide if I should go back to school and earn a second bachelor's degree in geology and I want to be 100% sure before I take on the massive commitment.

If you or your company can offer me some insight into the geology profession, please contact me at Wesley.Antczak@gmail.com.

Furthermore, if anyone has any advice that could assist me in this decision, I would greatly appreciate your input.

Thank you and have a great day,

Wesley Antczak
Wesley.Antczak@gmail.com

Request for Sponsors: 2014-2015 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 at our San Diego Association of Geologists (SDAG). 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.

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