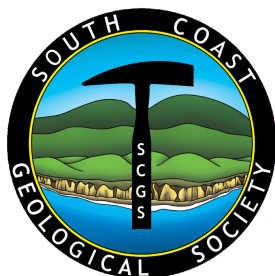


# THE RECORD

OFFICIAL NEWSLETTER OF THE

## South Coast Geological Society



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### [MEETING](#)

### [INFORMATION](#)

#### Time:

Social Hour: 6:00 PM

Dinner Buffet:

6:15 PM

Talk: 7:30 PM

#### Location:

**Dave & Buster's**  
**20 City Blvd W.,**

***Meeting Date: Monday, May 7, 2018***

***Guest Speaker: Kurtis Burmeister, Ph.D.***

***Topic: Welcome to Jurassic arc resolving the hidden parts of Sierra Nevadan history***

#### **Abstract:**

The Sierra Nevada are best known for breath-taking exposures of granitic rocks in places like Yosemite Valley, Kings Canyon, and the Tahoe Basin. These rocks are part of the Sierra Nevada batholith, which is in turn a segment in a massive granitic backbone that spans much of the length of western North America. These granitic rocks offer us interesting glimpses into how pulses of intensive igneous activity built the Sierra Nevada batholith during the Mesozoic. However, earlier chapters in this geologic story are difficult to unravel because processes associated with batholith emplacement tend to obliterate preexisting rocks. Fortunately, these preexisting rocks are preserved in a few isolated locations throughout the Sierra Nevada. The rarity of these exposures is significant, because the relationships they preserve provide our only basis for understanding the timing and mechanisms behind the earliest states in the geologic evolution of this region. The Mt Tallac roof pendant near South Lake Tahoe is one of the largest and best exposed of these exposures. Over the past several years, undergraduate students working with Dr Burmeister and in collaboration with a network of researchers at other institutions applied a variety of techniques, including geologic mapping, petrography, geochemistry, strain analysis, and paleomagnetic analysis to begin to resolve the details associated with what appears to be a surprisingly rapid series of developments in the early history of the central Sierra Nevada.

**Bldg G #1**

**Orange, CA**

**Cost:**

**Member \$30**

**Non-Member \$35**

**Student/Prof. \$15**

**Dinner Menu:**

The Riviera Buffet with Grilled Chicken breast topped with roasted red peppers, fresh basil, and Boursin cheese, Roasted Tri-colored Potatoes, Caesar salad, Garden Vegetable Medley, Fresh Baked Rolls, Cheesecake, Salted Caramel Brownies, and Unlimited Coffee, Tea and Soda!



**Click Here to RSVP for the Meeting!**



**Kurtis Burmeister, Ph.D.**

Associate Professor in the Department of Environmental & Geological Sciences  
University of the Pacific

**Speaker Information:**

Kurtis Burmeister, Ph.D. – Kurt is an Associate Professor in the Department of Environmental & Geological Sciences at the University of the Pacific. His undergraduate-based field research program is currently examining topics broadly associated with convergent tectonics in western Ireland, the Sierra Nevada, upstate New York, and southern Japan. Kurt completed a BA in Biological Sciences and a MA in Vertebrate Paleontology at the UC Santa Barbara before earning his PhD in Structural Geology at the University of Illinois. Kurt is also the Executive Secretary of the

## Presidents Corner

Hello South Coast!

What a busy April! Philip Shaller's talk on California's Wildfire-Flood history and recent history (including the Montecito Wildfires) was really enlightening. Thank you all who came out to support Cal State Fullerton Geology's Research Day with a special thanks to Bill Goodman as their Alumni of the Year. Bill has been very supportive of SCGS and CSUF over the years and deserves the recognition. The Introduction to GIS Short Course was very successful and we are looking into preparing an advanced techniques class as well as putting on the intro class again.

In case you missed the initial announcement, this year's annual field trip will be a tour through the Southern Cascades, particularly the Mt. Shasta and Medicine Lake Volcanoes. The trip will September 29th and 30th and will lead by Dr. Brandon Browne of Humboldt State with help from others. If you have information or contacts in the area please contact me.

Join us this Monday, May 7th at Dave & Busters for a talk by Dr. Kurtis Burmeister from University of the Pacific. Dr. Burmeister will talk about their topic Welcome to Jurassic Arc, resolving the hidden parts of Sierra Nevada history.

Over the past several months a group of dedicated South Coasters has been working on updating the Society's Bylaws. While the current Bylaws have been sufficient to date, the changes are focused in two main areas. The first has been to format them in a manner that is more consistent with today's governance standards. The other substantial change has been to include a board of directors that would provide oversight of the Society by having longer-term leadership to assist the officers.

The proposed process for ratification of the Bylaws is to allow a month for members to review and comment on the draft. The proposed draft Bylaws are linked below and the comment period is through the month of May. At Monday's meeting we will be taking nominations for members of the Board of Directors. Then at the June meeting there will be an election for members to the Board. Finally, at the July meeting members will be able to vote to ratify the proposed final Bylaws.

Our June meeting will be the annual joint meeting with SDAG and AEG. The meeting will be June 4th with a talk from Mr. Bouroque of the consulting firm GeoTek. The talk will span a massive construction project related to Los Angeles's landfill located on an ocean bluff in Washington State. This year we've elected for a venue change and the meeting will be held at the Holiday Inn Express in San Clemente.

And finally a reminder that on Sunday June 10thSCGS will host another Hike and Brew featuring a hike through the Portuguese Bend Nature Reserveand a stop at the San Pedro Brewing Company after.

For those looking for additional time in the field, Thom Davis of the Geologic Maps Foundation and a past SCGS speaker, is putting on a Highway 33 Structural Transect Plus Petroleum Geology of the Ventura & Cuyama Basins trip on June 2nd. For more info see his website through the link below.

Thank you all for your participation in the South Coast Geological Society.

Cheers,

Ben Lewis  
2018 President

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#### 2018 Draft of Updated SCGS Bylaws

#### Highway 33 Structural Transect Plus Petroleum Geology of Ventura & Cuyama Basins Trip



Ben Lewis, SCGS President

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**MEMBERSHIP DRIVE**

Your membership in 2017 allowed SCGS to host stellar field trips, provide over \$2,000 in student scholarships, and improve the society in many ways. South Coast Geological Society raises our annual budget through private contributions, so your membership is essential for us to continue the society, make improvements, provide phenomenal meetings, host field trips, and award student scholarships. To support the goals of SCGS we are asking for your membership renewal for 2018.

A membership to South Coast Geological Society has many benefits including discounted meeting and field trip costs, exclusive field trips and events, and more!

We welcome you to join SCGS, one of the largest, most active Geological Societies in Southern California.

**Membership Costs:**

Professionals: \$35 / year

Students: Free

**[Click Here for the Membership Form!](#)**

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## **South Coast Geological Society Corporate Sponsorship**

SCGS greatly appreciates our Corporate Sponsors! Corporate sponsorship allows SCGS to host stellar field trips, provide annual scholarships, and publish guidebooks. There are four Corporate Sponsorship Levels: DIAMOND (\$1,000+), GOLD (\$500+), SILVER (\$250+), and BRONZE (\$100+).

# THANK YOU 2018 SPONSORS!

# DIAMOND (\$1,000+)

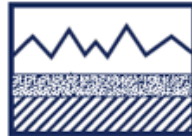
Your COMPANY LOGO here

**NEW!**

## GOLD (\$500+)



Mr. William (Bill) Elliott



NMG



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Rob Hawk Jeff Miller

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## MEETING HIGHLIGHTS

We had an excellent showing of longtime and new members!

Philip Shaller, Ph.D., P.G., C.E.G. provided us with an excellent presentation on *The Wildfire-Flood Sequence in California: Past, Present and Future.*

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#### CSUF Research Day

Congratulations to the CSUF Research Day Awardees. A special congratulations to longtime SCGS member and Past President, Bill Goodman, for receiving the 2018 Alumni of the Year Award! Thank you to our dedicated SCGS members and officers for volunteering to judge and determine awards.



Left to right: Gwen Sharp, Phil Hughes, Jenifer Leidelmeijer, Otto Figueroa, Sabrina Green, Nick Inserra, Desiree Lucas, Ben Lewis, Alejandra Angulo, Austin Poncelet, Paul Parmentier.

Not pictured: Virgil Talbot, Matthew Kaczmarek.



Left to right: Lynne Yost, William (Bill) Goodman, Tom Devine.

## JOB OPPORTUNITIES

**Position:** Staff Geologist

**Company:** Southern California Geotechnical

**Location:** Yorba Linda, California

### Details:

Southern California Geotechnical, a local geotechnical consulting firm, is searching to hire a staff-level geologist. Under the direction of Project Geologist and Principal Engineers, conducts geological exploration, research and testing related to new construction and development throughout Southern California. Field exploration duties include laying out and logging of borings, test pits, seismic refraction lines, and infiltration tests, mapping geologic features, creating detailed logs and plans. May also do technician-level field and laboratory soil testing. Performs document research and field and laboratory observation, to evaluate geological conditions related to construction projects. Tests soil in the laboratory to determine properties such as soil type, density, consolidation, expansion, etc. Writes reports to present results of geological findings. Records and reports the results of tests and evaluations.

### Requirements:

- Bachelor's Degree in Geology or related field
- Strong analytical, organizational and communication skills.

[Please click the link below for more information and application instructions.](#)

**[Click Here for More Information](#)**

## UPCOMING EVENTS



# Earthquake Clearinghouse Training & Earthquake Planning Training

1-Day Workshop

## *Collecting Actionable Intelligence in Support of Post-Earthquake Reconnaissance*



**Anne Rosinski**  
Senior Engineering Geologist,  
California Geological Survey

Mapping exercise  
at San Andreas  
Fault with



## *Earthquake Preparation for the Big One*



**Miles Wagner**  
Office of Emergency Services  
San Bernardino County

## *Earthquake Preparation at CSU San Bernardino*



**April Wing**  
CSUSB Emergency Management and Business Continuity

**Saturday May 5, 2018**

**California State University San Bernardino**

\$75 fee includes Cinco de Mayo lunch & parking (8:00am to 4:00pm)

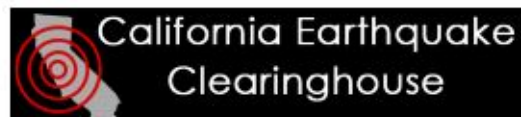
Students can arrive after lunch & attend field training for free

**ALL ATTENDEES (Professionals and Students) please RSVP at [aeginland@gmail.com](mailto:aeginland@gmail.com)**

Sponsored by the **AEG-Inland Empire Chapter**  
with support by the **Geoscience Department, CSU San Bernardino**  
Co-Organizers

**Kerry Cato**  
Assistant Professor  
Dept. of Geological Sciences  
CSU San Bernardino

**Frank Jordan, Jr**  
County Geologist  
San Bernardino County



**Click Here to RSVP**

## SCGS Hike & Brews

Hiking Coordinator - Garrett Mottle

Sunday, June 10th - Rancho Palos Verdes, CA

*Hike: Portuguese Bend Nature Reserve*

(distance & elevation TBA)  
*Brew:* San Pedro Brewing Company  
331 W 6th St, San Pedro, CA 90731

**Sunday, August 19th - Pasadena, CA**

*Hike: Eaton Canyon Falls Trail via Eaton Canyon Nature Center*

( 3.5 miles round-trip, 375 feet elevation gain)

Trailhead: 1750 North Altadena Drive, Pasadena, CA 91107

Trailhead coordinates: 34.17832, -118.09663 (34° 10' 42"N 118° 05' 47.9"W)

*Brew: TBD*

[Click Here to RSVP - June Hike](#)

[Click Here to RSVP - August Hike](#)



South Coast Geological Society Hike+Brew: Whiting Ranch Red Rock Canyon

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## OTHER ANNOUNCEMENTS

The National Association of State Boards of Geology (ASBOG®)

Looking for Licensed Individuals!

2018 Fall Council of Examiners (COE) Workshop and Field Trip

The National Association of State Boards of Geology (ASBOG®) is a volunteer organization whose primary purpose is to write the national geology license exams used by state licensing boards. In honor of the 50th Anniversary of geology licensing in California, ASBOG® is holding the Fall 2018 council of examiners (COE) workshops in Monterey, California on Friday and Saturday, November 2, and 3, 2018. A field trip will be arranged for Thursday November 1, 2018. The COE workshops are preceded by the annual meeting of representatives from the geology state license boards who come together to vote on ASBOG® business. The Fall 2018 ASBOG® COE and annual meeting is a wonderful opportunity to show your support.

Professional Licensing Exam Workshop

The purpose of the COE workshop is to review the fall 2018 ASBOG® examinations and review the

subsequent examinations proposed for spring 2019. ASBOG® asks local licensed geologists to participate as subject matter experts (SMEs).

**Please email a statement of interest, and your credentials and contact information to Ms. Deana Sneyd, ASBOG® Executive Director, at [dsneyd@asbog.org](mailto:dsneyd@asbog.org)**

To qualify, each SME must have:

- A current license in good standing as a geologist in an ASBOG®-member state.
- Worked as a professional geologist in industry, academia, or government.
- Be prepared to serve on the COE with no ASBOG® reimbursement of any expenses (travel or otherwise).
- Agreed to ASBOG® terms and conditions, provided upon acceptance as an SME, to participate.

Showcase your business through participation plus sponsorship opportunities are available.

Professional licensing protects the public by promoting standards for competence and integrity. By supporting ASBOG®, your organization demonstrates that it supports these values. Supporting ASBOG® promotes the profession of geology by helping to establish standards for professional competence and compliments your participation in professional societies.

Supporting ASBOG® also benefits your company. Professional licensing of geologists is required by most states and having licensed personnel is important to your business. The availability of national license exams for geologists makes it easier for your employees to become licensed in multiple states greatly expanding opportunities for your company.

ASBOG® has developed sponsorship opportunities tailored for the Monterey COE and annual meeting.

For information regarding sponsorship opportunities, please contact Ms. Deana Sneyd, ASBOG® Executive Director, at [dsneyd@asbog.org](mailto:dsneyd@asbog.org)

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## ADDITIONAL LINKS

**Association of Environmental & Engineering Geologists - So. California**

**Association for Women Geoscientists - LA/OC Chapter**

**American Society of Civil Engineers**

**Coast Geological Society**

**Groundwater Resources Association of California - So. California**

**Inland Geological Society**

**Los Angeles Basin Geological Society**

**San Diego Association of Geologists**

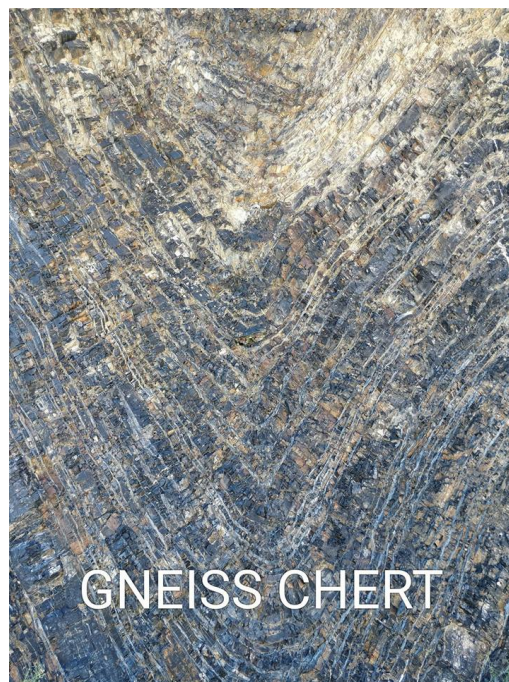
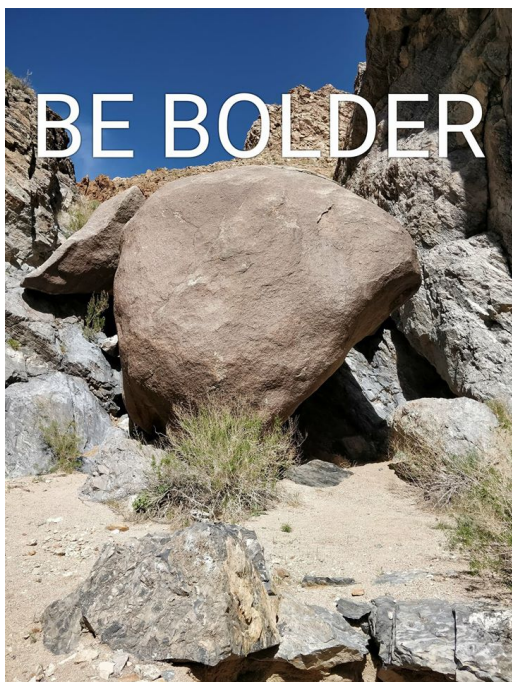
**San Joaquin Geological Society**

**Southern California Paleontological Society**



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## GEOLOGY FUN



**Why did the geology student drown?**

Because his grades were below C-level

**What is the difference between a geologist and a chemist?**

A chemist will drink anything that is distilled.

A geologist will drink anything that is fermented.

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## SUPPORT SCGS

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***South Coast Geological Society, Inc.***

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We accept all Cars, Trucks, Vans, Boats, Motor-homes, Junk Cars, Disabled cars, and Wrecked cars. No Title? Failed Smog Check? No Problem!

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