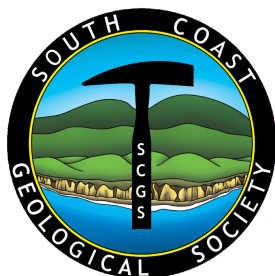


# THE RECORD

OFFICIAL NEWSLETTER OF THE

## South Coast Geological Society



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### [MEETING INFORMATION](#)

**Time: 6:00 PM**

**Location:**

**Dave & Buster's  
20 City Blvd W.,  
Bldg G #1**

***Meeting Date: Monday, Feb. 12th, 2018***

**Guest Speaker: Laurie Racca, PG,**

**Topic: GIT/PG/CEG/CHG/PGP License Application**

### **Workshop Information:**

The next application deadline for the Professional Geologist and Professional Geophysicist practice authority licenses, the Certified Hydrogeologist and Certified Engineering Geologist title authority licenses, and the Geologist in Training certificate is May 7, 2018 for those wishing to take the exams in the fall of 2018. This workshop is an opportunity to learn about the application process, and find out what it takes to ensure that the Board's review of your application goes smoothly. The workshop will cover:

- About the Board
- Understanding the Terminology
- Completing the Application for the GIT, PG, CEG, CHG and PGP
- Important Information for References
- National ASBOG Exams and California State Exams
- Code of Professional Conduct and Responsibilities of a Licensed Professional

### **Speaker Information:**

Laurie Racca, PG, is a licensed Professional Geologist with 25 years of experience specializing in complex environmental site investigations and leading multidisciplinary teams. Her experience includes working in private environmental and geotechnical consulting, providing regulatory agency oversight large military and civilian environmental cleanups for the Department of Toxic Substances Control, and investigating fraud, waste and abuse as part of the Office of Enforcement at the State Water Resources Control Board. She was appointed as the Senior Registrar for

Orange, CA

Cost:

Member \$30

Non-Member \$35

Student/Professor

\$15

Late RSVP Fee \$5

Geologists and Geophysicists by BPELSG in June 2015.

[Click Here to RSVP for the Meeting!](#)

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## Presidents Corner

Hello South Coasters!

I want to thank Dr. Andrea Donnellan again for her talk in January regarding remote sensing and fault studies. For those interested, she provided two of her recent papers covering the La Habra and El Mayor earthquakes; they have some really nice figures too! (See the buttons below)

Also in the recent news were the Montecito debris flows. Tom Davis who presented last year at SCGS has prepared a Debris Flows Facts and Safety in Venture sheet. The audience of the sheet is the general public but it also has numerous links for further reading. (See buttons below)

We are very excited about this month's meeting presented by Laurie Racca from the California Board of Profession Engineers Land Surveyors and Geologists regarding the licensing application process. All members are encouraged to attend this meeting, not just those with some letters after their names!

SCGS is pleased to announce that we will be offering a GIS Short-Course on Saturday, April 14th to be held at Cal State Fullerton. The course will focus on the basics of preparing figures for a typical consultant project. Sign ups will begin shortly and will be limited to 30 spots.

Professor Seeking Field Trip Site: Dr. Jeff Knott of CSUF is teaching engineering geology this spring semester and is hoping to take the class to a paleoseismic trench site. There are 17 students in the course and Fridays work best. If anyone is willing to host this class please contact Jeff at [jkknott@fullerton.edu](mailto:jkknott@fullerton.edu).

Finally, mark your calendars for our new event **Hike & Brew!** SCGS will be venturing to nearby trails on Sundays to look at So.Cal. geology, enjoy a new hike, and try a local brewery/brew-house afterwards. The 2018 dates are: March 18th, June 10th, and August 19th! Please see the Newsletter for more details.

Cheers,

Ben Lewis  
2018 President

UAVSAR observations of triggered slip on the Imperial, Superstition Hills, and East Elmore Ranch Faults associated with the 2010 M 7.2 El Mayor-Cucapah earthquake

Potential for a large earthquake near Los Angeles inferred from the 2014 La Habra earthquake

DEBRIS FLOW FACTS & SAFETY IN VENTURA



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+)

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**NEW!**

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& ASSOCIATES, INC**  
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## BRONZE (\$100+)

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### SILVER LEVEL



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### BRONZE LEVEL



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Suzie Nawikas, H&P Mobile Geochemistry

Bill Elliot

\*Supported 2 Student Sponsorship's

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## UPCOMING EVENTS

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## License Application Workshop GIT/PG/CEG/CHG/PGP

California Board for Professional Engineers, Land Surveyors, and Geologists

The next application deadline for the Professional Geologist and Professional Geophysicist practice authority licenses, the Certified Hydrogeologist and Certified Engineering Geologist title authority licenses, and the Geologist in Training certificate is **May 7, 2018** for those wishing to take the exams in the fall of 2018. This workshop is an opportunity to learn about the application process, and find out what it takes to ensure that the Board's review of your application goes smoothly. The workshop will cover:

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- Code of Professional Conduct and Responsibilities of a Licensed Professional

### Presented by:

**South Coast Geological Society and Groundwater Resources Association**

**February 12, 2018, 6pm – 9pm**

**Dave & Buster's, Orange, California**

**(20 City Blvd W, Bldg G #1, Orange, CA)**

**RSVP: [southcoastgeo.org](http://southcoastgeo.org)**

**Laurie Racca, PG**

**BPELSG Senior Registrar, Geology & Geophysics  
ASBOG Examination Committee Chair**



## SCGS Hike & Brews

Hiking Coordinator - Garrett Mottle

### **Sunday, March 18th - Lake Forest, CA**

*Hike: Whiting Ranch: Red Rock Canyon*

(4.2 miles round-trip, 420 feet elevation gain)

*Trail-head: 26701 Portola Pkwy, Lake Forest, CA, 92610, USA*

*Brew: Bigshot's Billiards Bar & Grill*

23512 El Toro Rd, Lake Forest, CA 92630

### **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 - March Hike](#)

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

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



## CSU Long Beach Geology Alumni Camp-out & Field Trips, April 6-8, 2018 at Mount Palomar



*Hello Long Beach State Geology Alumni-*

Remember the **great geology field trips** from your days at Long Beach State? These were some of the best parts of our college experience. We had a wonderful gathering last spring at Cachuma Lake where old friends and new got together to reacquaint, see great geology, eat good food and drink good wine and beer. Let's do it again!

We plan on having several 1/2-day field trips that spread out from the campsite or local hotel lodging to nearby locales - likely including a visit to the Oceanview tourmaline mine, the Peninsula Range batholith, neotectonics along the San Jacinto fault and maybe a tour of the famous observatory. You can pick which ones you want to attend, or skip them all and hang out with your buddies. Bring your spouses, bring your kids.

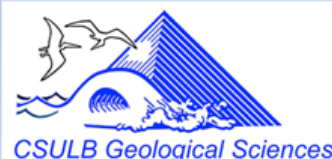
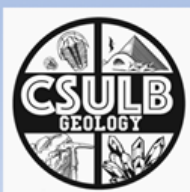
If this sounds good to you, please:

1. reply to Margaret Costello (margaret.costello@csulb.edu) that you:  
a) will come, b) may come, c) will not be able to come.
2. If a) or b): how many people (tents/campers/hotel)?



In any case, please send us a few sentences about yourself, your family, work, where you live, etc. ... that we can share. Please forward to your classmates – we do not have everyone's current email addresses.

Hold the weekend for old times sake: April 6-7, 2017. More info, details, cost, etc. to follow early in 2018...but **HOLD THE DAYS!**



## JOB OPPORTUNITIES

### Mid-Level Geologist - TETRA TECH, Irvine, California

- **Tetra Tech Inc.** has an immediate opening our southern California remediation practice is growing and we are looking for exceptional candidates to grow with us in our Irvine office.
- **EDUCATION, EXPERIENCE AND QUALIFICATIONS:**
  - A Bachelor's degree from an accredited college or university in geology or hydrogeology with a minimum 5+ years of directly relevant work experience
  - A master's degree in geology is strongly preferred
  - A professional licensure in California (i.e. PG) is preferred, not required



- Familiarity with technical requirements for site investigation and monitoring in California is desirable
- This position requires successful completion of 40 hours of OSHA health and safety training for working with potentially contaminated materials (provided, as needed), annual 8-hour refresher courses, first aid training (every three years), CPR training (every year), and annual medical monitoring
- The ability and willingness to perform fieldwork and travel are also required

[Click Here for More Information](#)

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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](#)

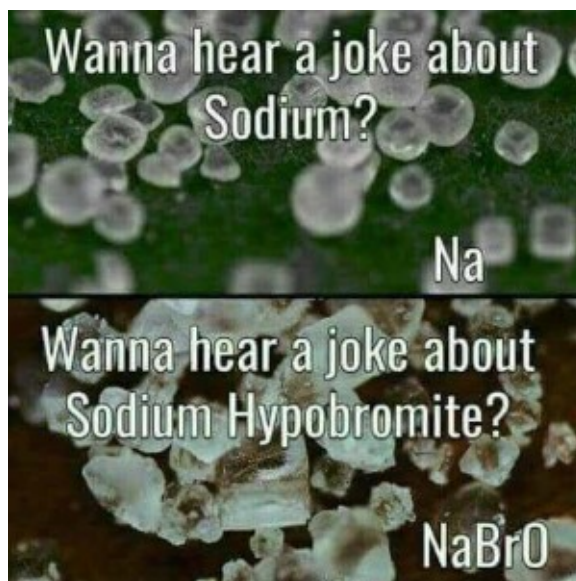
[San Diego Association of Geologists](#)

[San Joaquin Geological Society](#)

[Southern California Paleontological Society](#)

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## GEOLOGY FUN



## USING YOUR MICROSCOPE

1. Look in the eyepiece and adjust the knobs for a few seconds. Say, "Hmm, much clearer."
2. Start pretending you can see something. Say "Yes, I certainly see something now, I'm glad it's not just a blurry gray blob."
3. Ignore the headache you're getting. Close your eye if it hurts too much. Nobody will know.
4. Turn to your notes and say to your lab partner, "Indeed, I can definitely see a whole lot of science. Microscopes are easy to use. There is definitely a lot I see clearly here."
5. Jot something down, turn to your microscope, and say, "Amazing! This thing I can see clearly is fascinating and completely visible. What a discovery!"
6. Hand the microscope to your partner. Copy down whatever they write.



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