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## SDAG MEETING ANNOUNCEMENT

### Wednesday, June 10th, 2026

6:00 pm – Cocktail Hour | 6:30 pm - Dinner |  
7:00 pm – Brief Announcement and Speaker

#### LOCATION:

**El Adobe De Capistrano**

31891 Camino Capistrano  
San Juan Capistrano, CA, 92675

#### SPEAKER:

**Kathryn Metcalf, Ph.D., CSU Fullerton**

*“Something Old, Something New: Revisiting Permian to Jurassic tectonics in the Klamath Mountains, Northern California.”*

#### DINNER: Mexican Buffet

**COST:** Member \$60.00 | Non-Member \$70.00 | Student \$25.00

#### RESERVATIONS:

Make & Pay your reservation online through the SDAG website, before **6PM Wednesday, June 3<sup>rd</sup>**

Please reach out directly to SDAG officers for potential accommodation of later reservations.

*Please note, all meeting reservations require online pre-payment due to venue costs, venue contracts, and loss of money due to no shows. Refunds cannot be processed after the registration deadline.*



[Click Here! For Directions](#)



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# Meet Our | Speaker & Topic

Dr. Kathryn Metcalf is an Assistant Professor of Structural Geology at California State University, Fullerton. She earned a B.S. in geology and geophysics from the University of North Carolina, Chapel Hill before moving out west to complete an M.S. and Ph.D. in geosciences from the University of Arizona.

Dr. Metcalf's research focus is on the structural geology, tectonics, geodynamics, and regional geology of convergent margins. She uses geologic mapping, geophysics, geochronology, and petrography to understand continental collisions, subduction complex accretion and erosion processes, the impacts of subduction dynamics on continents and the role of the mantle and lithosphere in surface geology. Many of her research students have been recipients of awards for outstanding research and proposals at poster sessions judged by members of the South Coast Geological Society over the last couple of years.



## Kathryn Metcalf, Ph.D., CSU Fullerton

### ABSTRACT:

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“Something Old, Something New: Revisiting Permian to Jurassic tectonics in the Klamath Mountains, Northern California.”

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The Klamath Mountains straddle the California-Oregon border and are an amalgamation of accreted terranes. Despite the Klamath Mountains being the birthplace of the term “tectonostratigraphic terrane,” the ages, correlations, and tectonic settings of many Klamath terranes are still debated.

One of the most enigmatic terranes is the Rattlesnake Creek terrane (RCT), a mélange of metamorphosed sedimentary and igneous blocks with a volcanic and sedimentary sequence deposited on top. Recent work shows that the overlying RCT cover sequence has a North American provenance but formed after accretion to the continental margin, so it is unclear if the basement mélange formed proximal or distal to North America. My research group conducted field mapping, petrography, and zircon geochronology.

Our results show that the southernmost RCT preserves both Early Jurassic and Middle-Late Jurassic cover sequence deposits and records continental clasts and 33% pre-Mesozoic zircons at ~201 Ma. Rather than forming in a distance oceanic arc, the RCT likely formed at an east-dipping subduction zone proximal to North America.



# PRESIDENT'S CORNER

## Hello SDAG, Members

We just had our May event; it was well attended and a lot of fun! Thanks again to Danny Simms for such an excellent presentation! Wow, the information provided was so fascinating. Thanks also for going out to John Teasley for recording the presentation, so if you missed the talk, you could look up the video on our website, scroll down to “Recordings of past meetings” <https://www.sandiegoeologists.org/Meetings.html> And of course, thanks to the officers and Carolyn for all their hard work.

As we discussed in our April Meeting, we have a new page on the SDAG website devoted to Scholarships (<https://www.sandiegoeologists.org/Scholarships.html>), so for the students be sure to check it out, we will be starting the process in September. For members, if you are interested in donating funds, this is also a great resource and such a positive way to give back to your community.

Just a reminder our next meeting is June 10, which is the Joint Meeting with the South Coast Geologic Society. Note the date is one week earlier than our normal meeting. Kathryn Metcalf, Ph.D., of CSU Fullerton will present her research “Something Old, Something New: Revisiting Permian to Jurassic tectonics in the Klamath Mountains, Northern California.” Her abstract is provided above in our Newsletter. We will be hosted by El Adobe in San Clemente, be ready to have some great Mexican food! I look forward to seeing you at the June 10th meeting, be sure to mark your calendar, register and pay in advance via PayPal with credit/debit cards.

We are looking forward to the September SDAG field trip being led by our very own Jasmine Peach. It is from September 25 to 27, we will be camping at the Diaz Lake Campground located near Alabama Hills. See the newsletter for more details, it looks like a fantastic trip! Also, see the call for papers.

It is also time to renew your SDAG membership. Annual membership is super critical to the organization, in that it helps in part to subsidize our students attending our events at a discounted price. Also, if you have not already, please consider becoming a sponsor—sponsorship includes your annual membership and provides critical support for our programs and funds our scholarships. Sponsorship levels start at \$100 and that gives you annual membership and recognition on the website and newsletter. It is not too late to sign up to be a member or be a sponsor. We track membership and sponsorship on an annual basis, so it is not too late to sign up!

Any questions about SDAG please feel free to reach out to me at: [mike@sandiegoeologicalsociety.org](mailto:mike@sandiegoeologicalsociety.org) or at 619-677-0875.

**Cheers**

**Mike Palmer**  
**2026 SDAG President**



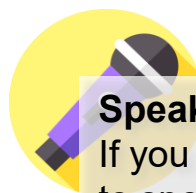
# 2026 Upcoming Meetings

DATE	SPEAKERS & TOPICS
June 10 <sup>th</sup>	Joint meeting with South Coast Geological Society
July 15 <sup>th</sup>	Rick Halsey of the CA Chaparral Institute: "For the Love of Rocks, Deep Time, and the Pursuit of Knowledge"
August 19 <sup>th</sup>	Monte Marshal, SDSU retired: "Some Highlights of European Plate Tectonic History, With a Focus on Italy."
September	No Meeting: Annual Field Trip September 25-27th
October 21 <sup>st</sup>	Wes Danskin, USGS retired speaking on "Geology and Water Resources of the San Diego – Tijuana Area"
November 18 <sup>th</sup>	Dave Bloom, "Geology of Morocco"
December 16 <sup>th</sup>	Annual Holiday Meeting at San Diego History Museum with Tom Demere as Speaker
January 2027	Speaker and Talk TBA

## 2026 SDAG MEMBERSHIP

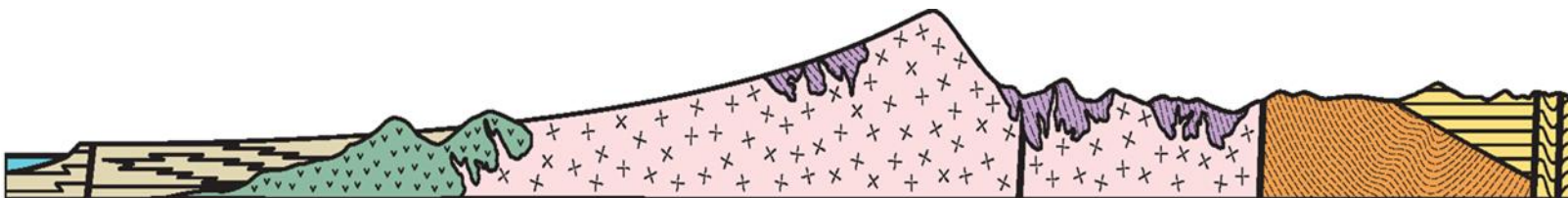
Renew or become a new SDAG Member  
2026 Member Dues are Due if you have  
not already done so.

**On-line Payment (\$30 Member; \$10 Student) or Bring FORM to Meeting**



## Speakers For 2027 Meetings

If you or someone you know would like  
to speak at an upcoming meeting  
contact one of our officers!



**SAN DIEGO ASSOCIATION OF GEOLOGISTS**

# Get Ready to **GEAR UP**

## **2026** SDAG FIELD TRIP

### Cerro Gordo & Owens Lake Area September 25–27, 2026

Join us for the 2026 SDAG Field Trip exploring the geology of **Southern Owens Valley, the Inyo Mountains and the Cerro Gordo Mine**. This multi-day trip will examine the tectonic, structural, hydrogeologic, and historical geology of one of eastern California's most geologically significant regions.

#### LODGING

Group camping is planned at [Diaz Lake Campground](#), located near the Alabama Hills. The group site accommodates tent camping, RVs (dry camping), and car camping. An optional Thursday night stay will be available for participants who wish to arrive early. Hotel accommodations are also available in the town of Lone Pine, located a few miles from the campground.

#### GEOLOGIC TOPICS

- Lone Pine Fault scarp and tectonic geomorphology
- Structural geologic transect along Cerro Gordo Road
- Geology and mining history of the Cerro Gordo Mine
- Owens Lake hydrogeology and environmental geology

Additional details, including registration information and a tentative itinerary, will be announced soon.

**We encourage you to mark your calendars and start thinking about joining us for this engaging field experience.**



# CALL FOR PAPERS

The background features the letters 'SDAG' in a large, light blue font. Overlaid on this is a yellow document icon with horizontal lines representing text. A yellow horizontal bar is positioned below the 'CALL FOR PAPERS' text.

Now Accepting Contributions to the  
**2026** Field Trip Road Log and **2027** Guidebook

**SDAG** invites anyone interested to contribute to the Official Guidebook covering the geology of the **Inyo Mountains, Cerro Gordo Mining District, Lone Pine Fault,** and **Owens Lake Area.**

We welcome contributions from all geology-related disciplines, as well as mining and cultural history of the region.

**Topics may include:**

structural geology, geomorphology, hydrogeology, geochemistry, stratigraphy, basin evolution, environmental geology, and any related subjects or disciplines.

**Student contributions are encouraged!**

If you have an idea for a paper, short article, figure, or map, we would love to hear from you as we begin organizing for the road log and future guidebook.

Please contact **Jasmine Peach** for details.

Planned guidebook publication for **mid-2027**

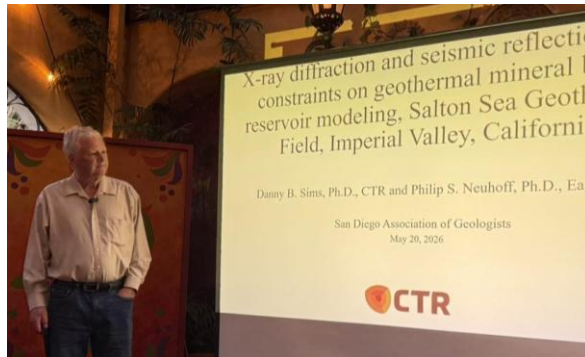
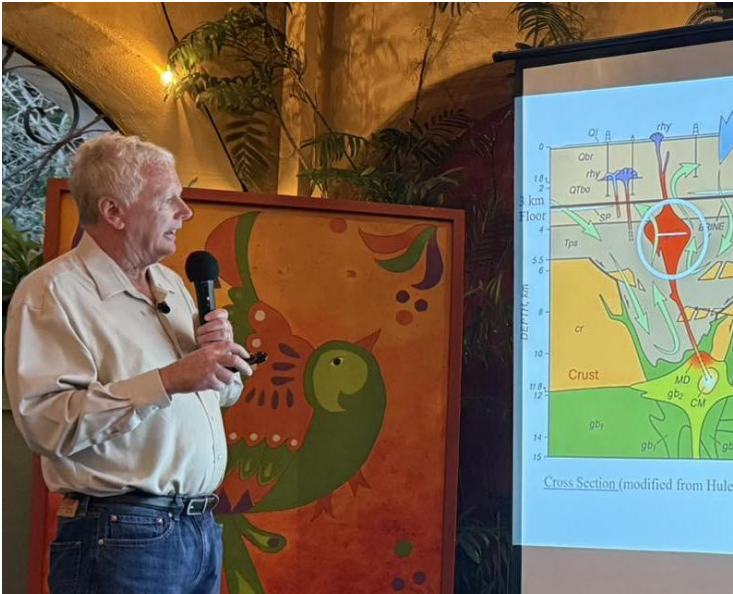
# SDAG | May Meeting Recap



Last month, we had the pleasure of hearing from Dr. Danny Sims of Controlled Thermal Resources, and we enjoyed having him speak to our group. His presentation on the Salton Sea Geothermal Field was fascinating, providing a great glimpse into the future of local resource extraction.

Dr. Sims gave us an engaging look into the evolving world of geothermal development and lithium extraction. While reservoir modeling can be complex, his clear explanations made the topic accessible and interesting. We appreciate the opportunity to see these data shared with us, and we are grateful for the time he took to break down the science guiding these projects.

Any time you want to share more with us Danny, we are here for you!



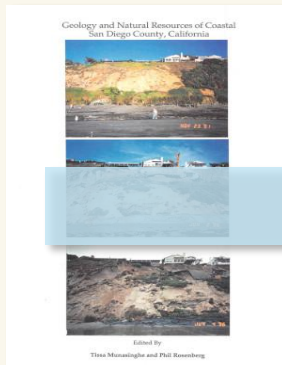


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**The SDAG publication page** includes links to in stock books we sell thru Sunbelt Publications, out of stock books we sell thru Google Play Books, and out of stock books that we provide free as scanned copies to download.

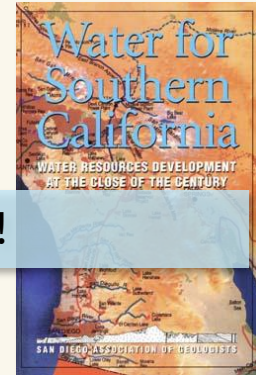
## FIELD TRIP GUIDES & RESEARCH REPORTS



**Geology And Natural Resources Of Coastal San Diego County, CA (1996)**



**Geology And Geothermal Resources Of The Imperial And Mexicali Valleys (1998)**

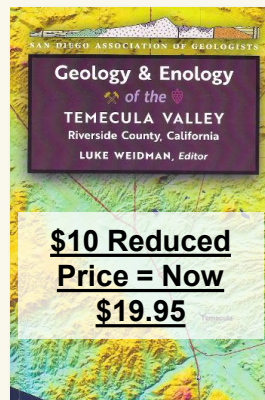


**WATER FOR SOUTHERN CALIFORNIA: Water Resources Development (1999)**

Now available as eBooks!

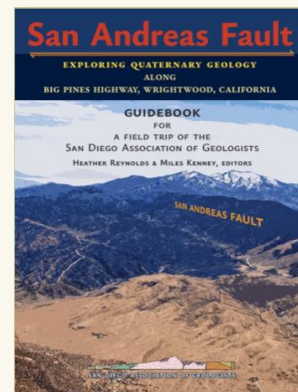


**The Peninsular Ranges: A Geological Guide to San Diego's Back Country 2nd Edition**



**Geology & Enology of the Temecula Valley Riverside County, California 2nd Edition**

**\$10 Reduced Price = Now \$19.95**



**San Andreas Fault: Exploring Quaternary Geology Along the Big Pines Highway, Wrightwood, CA**

## FREE GUIDES AVAILABLE FOR DOWNLOAD

- [1972 Otay Mesa](#)
- [1977 SW San Diego](#)
- [1978 Coronado Islands, BC](#)
- [1979 San Diego Region](#)
- [1987 Julian Gold](#)
- [1981 Geologic Investigations of the San Diego Coastal Plain](#)
- [1982 Geologic Studies in San Diego](#)
- [1985 Eocene in San Diego](#)
- [1989 Fault Features: La Jolla - Ensenada](#)

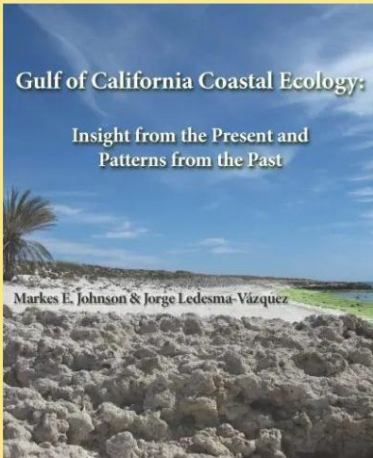


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## Gulf of California Coastal Ecology

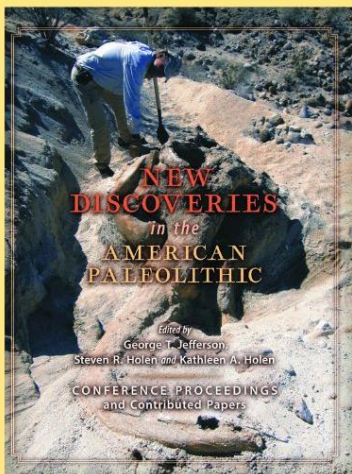
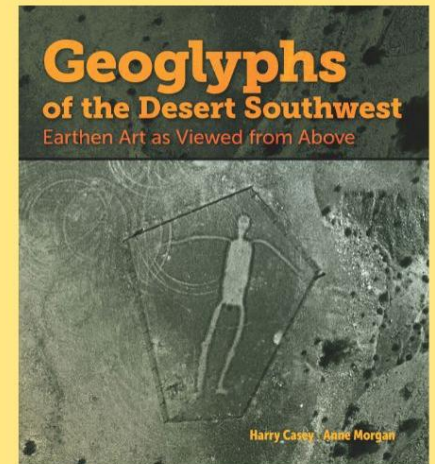
ISBN: 9781941384183  
\$19.95

The Sea of Cortés has a rich ecosystem that has survived and thrived for over 12 million years, in some ways shifting dramatically and remaining almost unchanged in others. That extensive natural history is carefully documented and explored by this handbook, making connections and providing a broad but thorough overview of the geography, geology, and ecology of the area. Readers of all knowledge levels will be able to use it as an invaluable resource when exploring the coastline of the Gulf of California.

## Geoglyphs of the Desert Southwest

ISBN: 9781941384503  
\$19.95

The American southwest has one of the largest concentrations of geoglyphs in the world, outside of the Nazca Lines in Peru. These ancient works of art are often made at such a large scale that they are all but invisible unless viewed from above. In the 1970s, photographer Harry Casey, along with archaeology professor Jay von Werlhof and his students, embarked on a quest to find and record these awe-inspiring sites before human activity could damage them anymore.

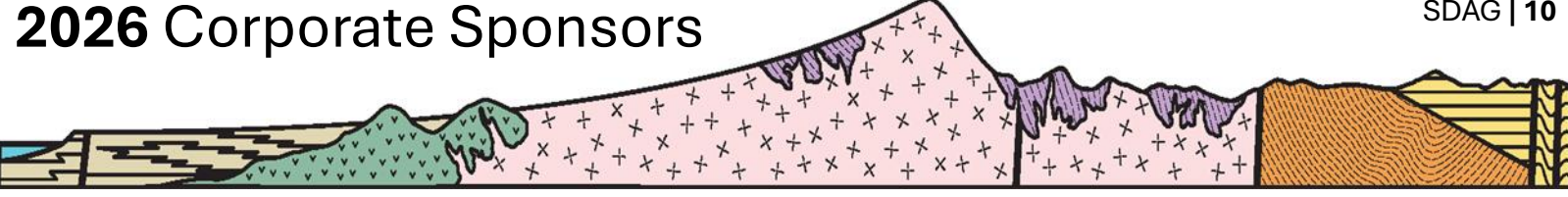


## New Discoveries in the American Paleolithic

ISBN: 9781941384640  
\$29.95

The common assumption is that humans began populating the Americas around 16,000 years ago, but recent discoveries have thrown that number into question. Evidence has surfaced that the true timeline may have been hundreds, or even thousands of years earlier still.

This book is a compilation of papers and proceedings from a conference held in January of 2019 about this exact subject; all together, this book presents compelling evidence that throws into question everything we currently know about the timeline of humanity in the Americas.



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