



## PRESIDENT'S CORNER

Hello SDAG Members!

I hope you are all happy and healthy!

It was so good to see the student presenters last month, truly my favorite talks of the year. A big shout out to Adan Silva and Jasmine Peach! And, congratulations to the SDSU geology department who continue to produce top tier geo-students.

Speaking of the SDSU geology department, our speaker this month has been part of that department for decades as a professor, leader, and general student enthusiast. Please join us this month to welcome Dr. David Kimbrough to the SDAG stage!

Dr. Kimbrough has spent most of his career working on and leading international research and education efforts. His dissertation work in Baja, CA was the beginning of a life-long curiosity for the region that is only matched by his desire to share it with his students. His talk this month will marry those passions and is aptly titled "*Reconnaissance Geologic Map of the State of Baja California (1971) how the map was made and its importance in establishing international cooperation between SDSU and Ensenada institutions*".

Please fill out and send in your membership forms if you haven't already (and sponsorship forms, too).

Looking forward to seeing everybody!

Cheers,  
Luke Weidman  
President, 2023



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## MEETING ANNOUNCEMENT

### Wednesday August 23

- 6:00 pm Happy Hour
- 7:00 pm Dinner
- 7:45 pm Announcemnets
- 8:00 pm Program/Questions
- 9:00 pm Meeting Adjourns

### CASA GUADALAJARA

4105 Taylor St, San Diego, CA 92110

Please help us by submitting your RSVP/CANCEL early so we can provide our venues the best estimate possible. Also, please keep in mind that we still have to pay for no shows.

**REGISTER**



\$50 Members   \$55 Non-members   \$30 Students

**DEADLINE: MONDAY 8/21 12 PM**

Please help us by submitting your RSVP/CANCEL early so we can provide our venues the best estimate possible. Also, please keep in mind that we still have to pay for no shows.



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**SPEAKER:**

David L Kimbrough, Ph.D.  
Professor  
Dept. of Earth & Environmental Sciences  
San Diego State University

**BIOGRAPHY:**

Kimbrough is a first-generation college student who completed his PhD at UC Santa Barbara and has served as a San Diego State University faculty member since 1989. He has led international research and education efforts throughout his career, mostly in the circum-Pacific region (Antarctica, New Zealand, Australia, Japan, Canada, Mexico, South America). His international experience is rooted in his PhD dissertation work on Cedros Island off west-central Baja California. This and subsequent work up and down Baja over the past 40 years has established him as an experienced expert in peninsular California geology involving hundreds of students and colleagues in many capacities.



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### **TITLE:**

The story behind the “Reconnaissance Geologic Map of the State of Baja California (1971)”; how the map was made and its importance in establishing international cooperation between SDSU and Ensenada institutions.

### **ABSTRACT:**

Led by Gordon Gastil, the publication in 1971 by the Geological Society of America of the Reconnaissance Geologic Map of the State of Baja California, as well as the accompanying GSA Memoir 140 in 1975 are arguably the seminal achievements of Gastil’s rich scientific career. This map remains, to this day, the best regional geologic map of Baja California, an area which superbly displays a range of classic Cordilleran margin geologic features that have been the focus of intensive geologic and geophysical investigation over the last 50 years. Field work on the Baja map began in 1963 as a collaboration between San Diego State, the School of Marine Sciences of the Univeridad Autónoma de Baja California and the San Diego Natural History Museum among others. Seventy-two Ensenada and SDSU undergraduates were supported under this grant including Francisco Suárez Vidal, who went on to become the leader of the geology graduate program at CICESE in Ensenada.



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## **ABSTRACT:** ( continued )

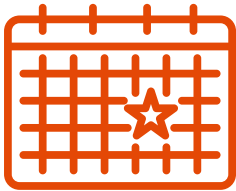
Francisco's work with Gordon on the Baja mapping project was an important pioneering collaboration that helped establish rich cross-border scientific exchanges between USA-Mexico institutions. Most of the intensive Baja mapping effort was accomplished as summer field work from 1963-67 with the aid of aerial photographs; 1968 was a "cleanup year" that also involved systematic sampling for K-Ar age determinations by Daniel Krummenacher. A preliminary geologic map at a scale of 1:100 000 was completed in 1968, later to be published at 1:250 000 as the finished GSA 1971 map. The map comprises the northern half of Baja California, north of the 28th parallel (>70,000 km<sup>2</sup>). It is certainly a remarkable achievement that this huge area was mapped so quickly and so well, mainly with help of undergraduate students, in an area that had very limited access via developed roads. This work included a Bouguer gravity map and a great deal of petrographic and paleontologic data. The Baja map is an important legacy of the geology program at SDSU.



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## MARK YOUR CALENDAR



Our **NEXT MEETING** will be **SEPTEMBER 20th**  
On this meeting, our guests will be our Student  
Scholarship Winners who will be sharing their  
projects with us.

## EXECUTIVE COMMITTEE

**PRESIDENT:** Luke Weidman.

lcweidman@gmail.com

**VICE-PRESIDENT:** John Teasley

jtea@cox.net

**SECRETARY:** Mariana Aguilar

petishu@gmail.com

**TREASURER:** Neil Seitz

neilseitz@hotmail.com

## CALL FOR PHOTOS

Any recent field tips or exciting outings?  
SHOW OFF YOUR PICTURES!  
Please Submit to: petishu@gmail.com

**PLEASE SEND YOUR PHOTOS! SHARE YOUR ADVENTURES!**



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# ICELAND

## GeoTours Iceland Trip July 24-August 3, 2023 RECAP:

A geology bucket list trip!

The trip was promoted by SDGS as a fundraiser as a portion of the trip cost was donated towards Student Scholarships and Publications.

The land of "Fire & Ice" was visited by 22 attendees and led by GeoTours owner-organizer-Geography Professor Matt Ebner and local Geology Professor Don Barrie. The trip included 5 SDAG Past Presidents and our SDAG website manager.

This Iceland geo trip clocked in 1,678 miles around Iceland's Ring Road and gravel backroads visiting waterfalls, plate boundaries, lava flows, basalt columns, black sand beaches, glaciers, hot springs, geysers, volcanoes, craters, lakes,

landslides, geothermal facilities and puffins. The tour included museums, a botanical garden, history, culture, local language and food.

Numerous hikes provided exercise and an outdoor experience. Optional trips by attendees included: Inside the Volcano, Glacier hiking, and Helicopter flights over the active eruption that began for us on July 10th.

Diane Murbach, SDGS Secretary



Trip photos can be viewed on our [FACEBOOK PAGE](#)



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# ICELAND



Photo by: Don Barry



Photo by: Monte Murbach. 8/2/23  
Fagradalsfjall Volcanic Eruption.  
Reykjanes Peninsula, Southwest Iceland.



Photo by: Diane Murbach 8/1/23  
Dettifoss waterfall Iceland, double rainbow.  
Europe's largest waterfall by volume.



Photo by Diane Murbach of Don Barrie  
7/31/23 Studlagil Canyon Iceland  
Impressive basalt columns in a steep gorge.



# ICELAND



Photo by Diane Murbach of Carolyn Glockhoff  
7/30/23. Diamond Beach Iceland  
Icebergs and ice chunks on black sand beach.



SDAG Group Photo by Matt Ebner's camera.  
7/27/23 Seljalandsfoss Waterfall Iceland



Photo by Don Barrie 7/24/23  
Helicopter flyover of the current Litli Hrutur  
("Little Ram") eruption in southwestern Iceland.  
Day 14 of current 2023 eruption.

More trip photos can be viewed  
on our  
[FACEBOOK PAGE](#)



## **2023 MEMBERSHIPS**



PLEASE RENEW YOUR MEMBERSHIPS!

We ask that you take the time to renew your membership for 2023 and if you have not renewed it in a while, this is a great time to resume!

We have made it even easier for you to renew! - now you can fill the form on our website and submit payment electronically! So, if you are anything like me (hardly ever make it to the mailbox) this just makes it so convenient!

If you prefer to to renew with a check, there are 2 ways:

1. We will have forms at the check in table at our next meeting.
2. You can download the form using the link below and mail it or bring it to the meeting.

Your membership dues help fund scholarships, publications and, on occasion, cover some of the cost of the meetings. Your contributions are so important to us !

**ELECTRONIC MEMBERSHIP RENEWAL**



**DOWNLOAD PDF FORM**



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## RESEARCH TOOL

A comprehensive listing of all papers published by SDAG, whether as annual field trip guidebooks or special publications, is available on our website.

Entries are sorted by primary author, or chronologically by date of publication, starting with our first guidebook in 1972 to Southeast San Diego, as far out as Calico and the Mojave Desert in 2018, and finally up to San Diego's Back Country in 2022-23.

The papers can be accessed or downloaded as .pdf files. They are fully searchable in Adobe Reader or Acrobat, so if you are researching a topic, "oikocryst" for example, you can search for that keyword. This listing will be updated as new books are published. Thanks to Greg Cranham and Hargis + Associates, Inc., for making this possible. See the links below:

**[SEARCH BY AUTHOR](#)**

**[SEARCH CHRONOLOGICALLY](#)**

## 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.



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## ***SDAG PUBLICATIONS***

We have many wonderful publications available for sale!  
Please visit the **SDAG WEBSITE** for more details.

## **SPONSORSHIPS**

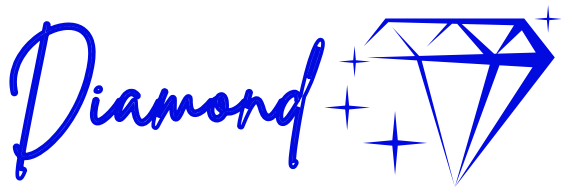
San Diego Geological Society, Inc. (SDGS), is a public benefit 501(c)3 nonprofit educational corporation. Your donations are tax deductible.

Your Sponsorship will include a complimentary SDAG membership, and delivery of the monthly SDAG newsletter and announcements to the email address given.

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.



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**GEOTOURS**  
EXPLORE THE WORLD



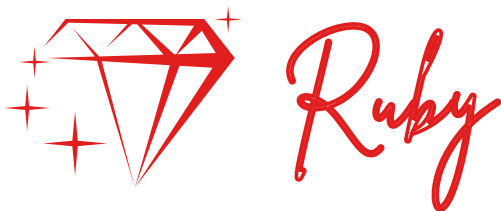
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ANONYMOUS



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Larry Cann

Joe Corones

Greg Cranham - Consulting Geologist

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