

SDAG

MAY 2023

President's Corner

Hello SDAG Members!

I hope you are all happy and healthy!

A very big thank you to everyone who came last month, especially Thomas Davis who delivered a presentation that exceeded expectations!

I hope everyone enjoyed the delicious food at Filippi's.

This month we welcome Don Barrie to the SDAG stage! His talk precedes the SDGS field trip to Iceland and is aptly titled:

"Fire and Ice in the North Atlantic: A Geologic Tour of Iceland".

Don is a professor of geology at San Diego Mesa College, teaching physical geology, historical geology, and Earth science. Before becoming an educator, he worked as an environmental consultant both domestically and abroad, in California, Arizona, Hawaii, and Guam.

Please do not forget to register early! As prices for venues continue to rise, we will not be able to be as flexible with attendance.

Don't forget to fill out and send in your membership forms (and sponsorship forms, too)!

I
Cheers,
Luke Weidman
President, 2023



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MAY 2023

Meeting Announcement

DATE: Wednesday May 17th

TIME:

6:00 PM - HAPPY HOUR

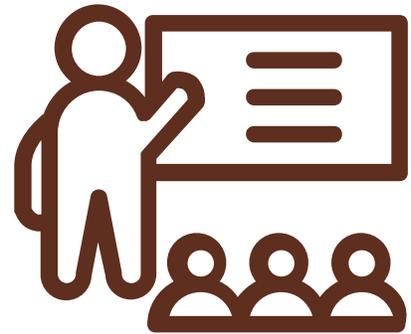
6:30 PM - DINNER - Mexican Buffet

7:20 PM - ANNOUNCEMENTS

7:30 PM - MEETING BEGINS

8:30 PM - QUESTIONS

8:45 PM - MEETING ADJOURNS



LOCATION: CASA MACHADO AT MONTGOMERY FIELD

3750 John J Montgomery Dr, San Diego, CA 92123

MEMBERS: \$45.00 **NONMEMBERS:** \$50.00 **STUDENTS:** \$30.00

REGISTER



IMPORTANT:

- **REGISTRATION** will **CLOSE** on TUESDAY 5/16 AT 3 PM so that we can give the restaurant our final count by TUESDAY at 4 PM AM.
- **WALK- INS** are still welcome but it might not be possible to add you to the food count.
- **CANCELLATIONS:** If you would like to cancel, pls do so by TUESDAY 5/16 AT 3 PM. Please keep in mind that we still need to pay for confirmed no shows.
- **LATE CANCELLATIONS** I will try my best to sell it to a walk-in (assuming we have any) but this is not guaranteed. *If we are unable to transfer, we ask that you still pay for your reservation so it does not come out of SDAG Funds.*



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Speaker:

Don Barrie

Geology Professor, San Diego Mesa College
Board Member, Anza-Borrego Desert
Natural History Association (ABDNHA)
dbarriegeo@gmail.com

Bio:

I'm a geology professor in the physical sciences dept. at San Diego Mesa College. I teach physical geology, historical geology, and Earth science. Before becoming an educator, I worked as an environmental consultant both domestically and abroad, in California, Arizona, Hawaii, and Guam.

As an educator, my passion is to make geoscience accessible to general audiences. In addition, I'm interested in how students learn geoscience, and occasionally conduct research on this topic.



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Title: **Fire and Ice in the North Atlantic: A Geologic Tour of Iceland**

Abstract

Iceland is a large oceanic island developed along the North American-Eurasian plate boundary atop a melting anomaly interpreted to be a mantle plume. Situated between the Reykjanes Ridge to the south and the Kolbeinsey Ridge to the north, the origin and evolution of Iceland since early Miocene time have largely been controlled by the localization of subaerial ridge segments atop the Iceland plume, followed by ridge migrations and jumps. Plate divergence occurs along the North, East, and West Volcanic Zones; oblique divergence occurs along the Reykjanes Volcanic Belt—the site of the 2021/2022 Fagradalsfjall eruption. Ridge-ridge transforms include the South Iceland Seismic Zone and the Tjörnes Fracture Zone. Volcanic rock in Iceland is predominantly basalt; however, shallow crustal magma chambers beneath Iceland's central volcanoes also produce lesser quantities of intermediate and silicic volcanic rock.

Deeper magma reservoirs provide magma directly to the surface via dike and fissure swarms oriented perpendicular to regional spreading azimuths of 105° and 285° . With its ~ 30 active volcanic systems, Iceland hosts a diverse array of volcanic landforms, including shield volcanoes, scoria/spatter cones, stratovolcanoes, calderas, cone/crater rows, rootless cones, hydrovolcanic features, and subglacial volcanic landforms. Subglacial eruptions are frequently followed by jökulhlaups (glacial outburst floods).

Other notable features include waterfalls, ice caps, fjords, valley glaciers, iceberg-strewn proglacial lakes, geysers, and uplifted sea cliffs. Icecap margins are currently experiencing rapid glacial isostatic adjustment rates of up to several cm/yr. In summary, Iceland is a geologically wondrous place—a must-see for field-tripping geoscientists everywhere.

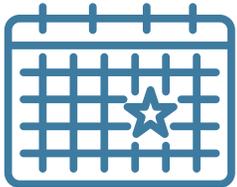


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Mark your Calendar!



Our next meeting will be **JOINT** with
South Coast Geological Society.
More details to follow.

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

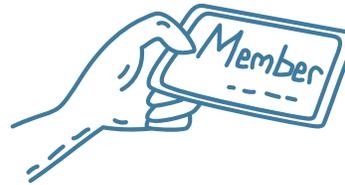


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2023 MEMBERSHIPS



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 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 !

PLEASE RENEW.

ELECTRONIC MEMBERSHIP RENEWAL

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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 out to Calico and the Mojave Desert, and finally up to the San Diego's Back Country in 2022.

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](#)

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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 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.



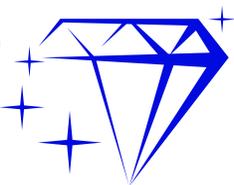
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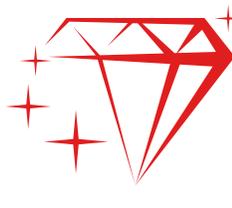


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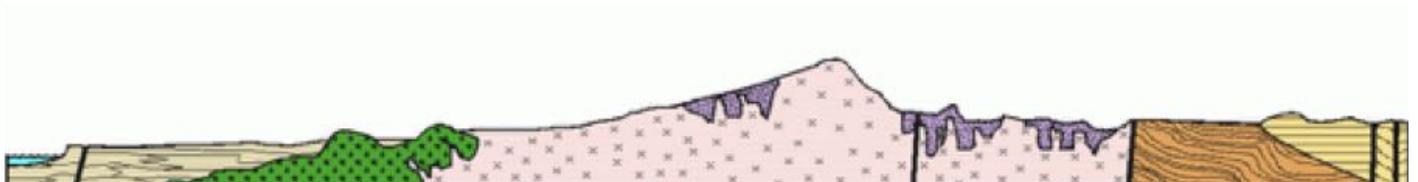
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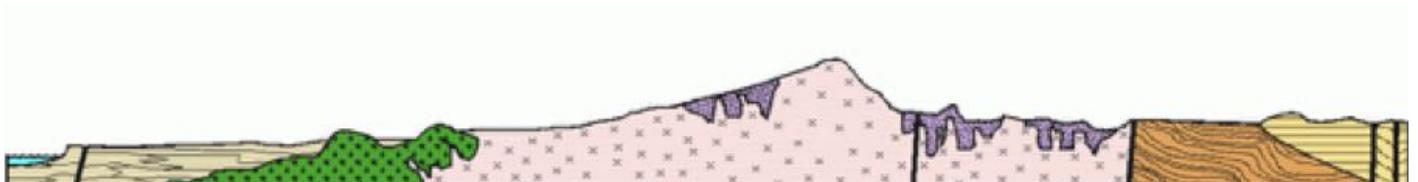
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