

SAN DIEGO ASSOCIATION OF GEOLOGISTS

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SDAG MEETING ANNOUNCEMENT

Tuesday March 19, 2024

Where: Tom Ham's Lighthouse
Harbor View Room
2150 Harbor Island Drive
San Diego, CA 92101

When: 6:00 pm - Social Hour
7:00 pm - Dinner
8:00 pm - Program

Dinner: San Diego Bay Buffet
Top Sirloin & Vegetarian Pasta, no-host bar

Cost: \$60 Member; Non-Member \$65; Students \$30

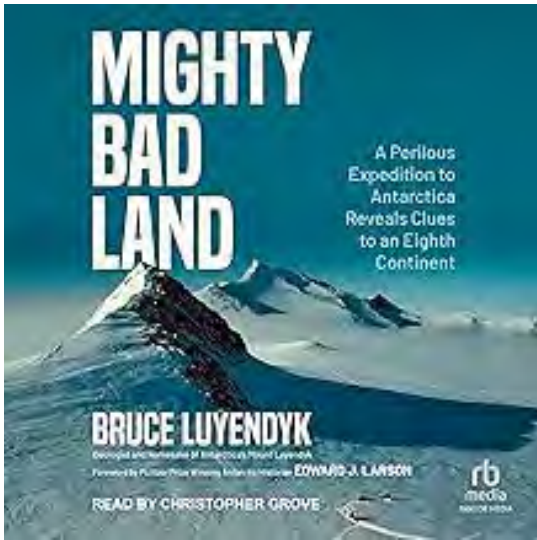
Reservations: Make & Pay your reservation [online](#) through the SDAG website, **before 6:00pm, Friday March 8.** *(Please sign up early, we need a head count 10 days in advance!)*

Speakers: **Bruce Luyendyk**
Distinguished Professor Emeritus, UC Santa Barbara

David L. Kimbrough, Ph.D.
Professor, Dept. of Earth & Environmental Sciences, SDSU

Presentation Title: Mighty Bad Land: A Perilous Expedition to Antarctica Reveals Clues to an Eighth Continent

For our 3rd meeting of 2024, we return to historic Tom Ham's Lighthouse for the first time in what seems forever. We will be in the scenic Harbor View Room overlooking San Diego Bay. Professor Luyendyk will focus on the Antarctic experiences covered in his book, while Professor Kimbrough will provide color commentary on the geology and scientific perspectives of their shared experiences. The Q & A at the end itself stands to be legendary, you don't want to miss this one!



If you already have a copy of Bruce's book, feel free to bring it with you. Bruce is offering to sign your book at the meeting. With any luck, he may have some copies available for sale.

Mighty Bad Land is available on Amazon in hardcover, Kindle, Audible, and Audio CD versions.

Abstract

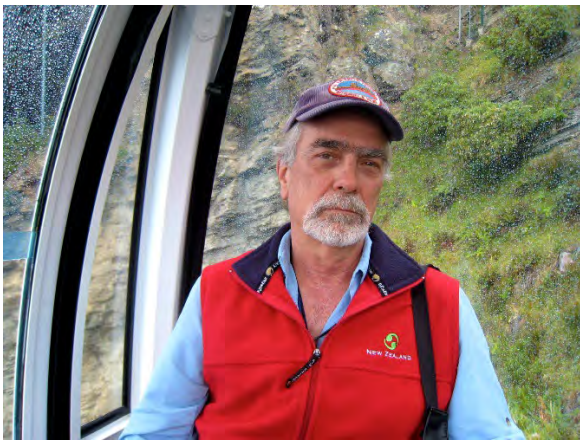
Mighty Bad Land: A Perilous Expedition to Antarctica Reveals Clues to an Eighth Continent

A tale of grit and real teamwork in the wilds of Antarctica when the hunger for knowledge reigns supreme.

Anything can happen in a pure wilderness experienced by few humans—a place where unseen menace waits everywhere. This story is an unembellished account of a scientist and his team exploring the last place on Earth. But, unlike most recent books on Antarctica, the reader becomes embedded with geologist Bruce Luyendyk's team. They share the challenges, companionship, failures, bravery, and success brought to light from scientific research pursued in an unforgiving place, Marie Byrd Land, or Mighty Bad Land.

The geologists make surprising discoveries. Luyendyk realizes that vast submarine plateaus in the southwest Pacific are continental pieces that broke away from the Marie Byrd Land sector of Gondwana. He coined "Zealandia" to describe this newly recognized submerged continent. Only the tops of its mountains poke above sea level to host the nation of New Zealand. This stunning revelation of a submerged eighth continent promises economic and geopolitical consequences reverberating into the twenty-first century.

The story occurs in the 1990s and fills a gap in the timeline of Antarctic exploration between the Heroic Age, the age of military exploration, and before the modern era of science. Danger is exponentially greater, isolation a constant threat without GPS, satellite phones, and the internet. As the expedition's leader, Luyendyk stands up to his demons that surface under the extreme duress of his experience, like nearly losing two team members.



Bruce Luyendyk

BIO: Bruce Luyendyk, Distinguished Professor Emeritus from the University of California, Santa Barbara, was elected a Fellow of the Geological Society of America, the American Geophysical Union, and the American Association for the Advancement of Science.

On his first expedition to West Antarctica in 1989, Luyendyk and his geology team found evidence that a large submarine plateau, a fragment from the Gondwana breakup, comprises a sunken continent beneath New Zealand. This eighth continent was named Zealandia by Luyendyk. In 2016, the US Board on Geographic Names honored him by naming a summit in Antarctica Mount Luyendyk.

Luyendyk is a graduate of San Diego State University and the University of California, San Diego. His prior research in marine geophysics included exploration of deep-sea black smokers, i.e., hydrothermal vents, using the deep submersible ALVIN off western Mexico. For this, he and colleagues shared the Newcomb Cleveland Prize of the American Association for the Advancement of Science.

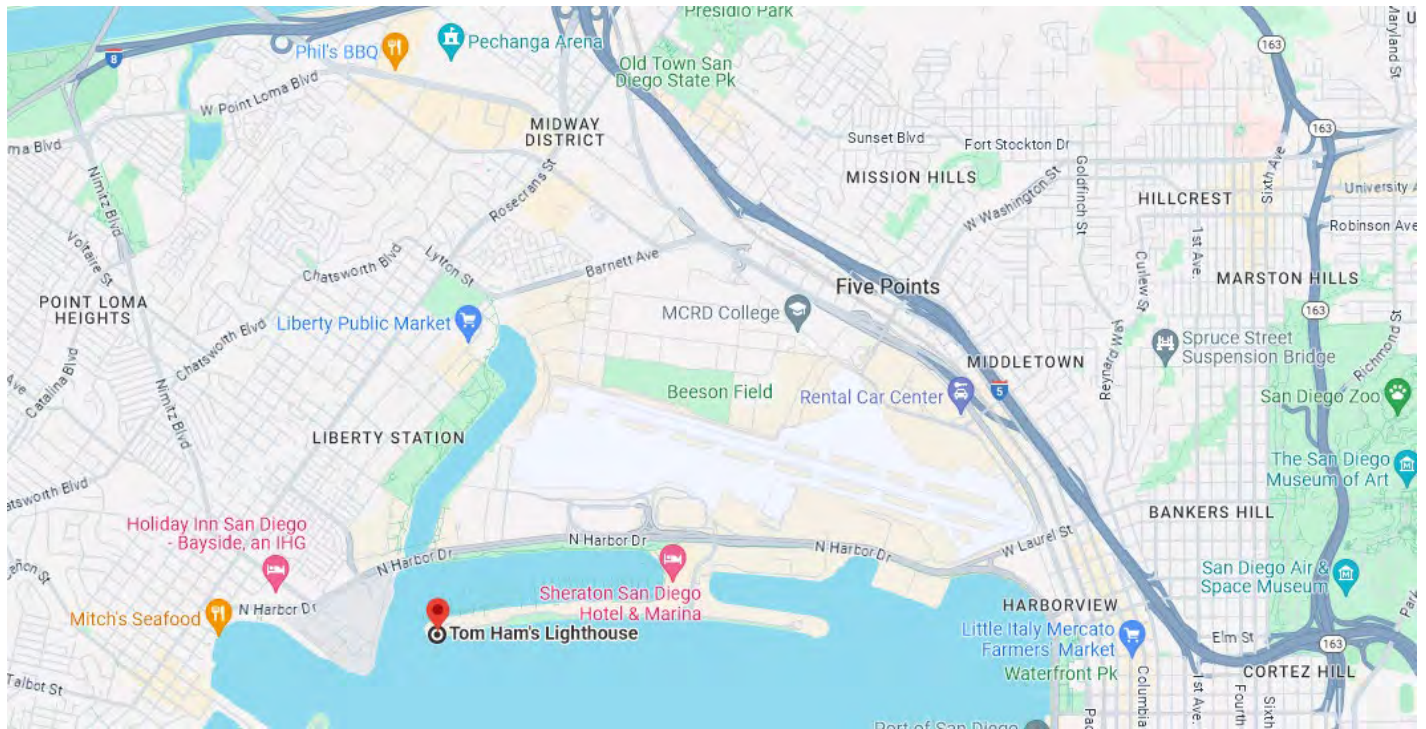


Dave Kimbrough

BIO: Professor 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.

Dave is a much sought-after speaker for SDAG's and many other organizations' field trips and meetings. As much for his knowledge and experience as his entertaining and engaging presentations!

Meeting Location Map:



Directions: From I-5 southbound

1. Follow I-5 S to Kettner Blvd. Take exit 18A from I-5 S
2. Use the right 2 lanes to take exit 18A toward Sassafras St/San Diego Airport
3. Merge onto Kettner Blvd. and follow to W. Laurel St.
4. Turn right on W. Laurel St. and follow in the two right lanes to turn slightly right onto N. Harbor Drive.
5. Stay in left lane and turn left at Harbor Island Drive.
6. Stay to the right and follow Harbor Island Drive to the north end at Tom Ham's Lighthouse

From I-5 northbound

1. Use the right 2 lanes to take exit 17A to merge onto W Hawthorn St toward San Diego Airport
2. Stay in right two lanes and follow Hawthorn to N. Harbor Drive.
3. Turn right onto N. Harbor Drive.
4. Stay in left lane and turn left at Harbor Island Drive.
5. Stay to the right and follow Harbor Island Drive to the north end at Tom Ham's Lighthouse

From CA-163 southbound

1. Take exit 1B for I-5 N/4th Ave
2. Keep left at the fork, follow signs for I-5 N/Los Angeles and merge onto I-5 N
3. Use the right 2 lanes to take exit 17A to merge onto W Hawthorn St toward San Diego Airport
4. Stay in right two lanes and follow Hawthorn to N. Harbor Drive.
5. Turn right onto N. Harbor Drive.
6. Stay in left lane and turn left at Harbor Island Drive.
7. Stay to the right and follow Harbor Island Drive to the north end at Tom Ham's Lighthouse

2024 Annual Field Trip Committee is Making Plans

Vice President Heather Reynolds is already fast at work on this Fall's annual SDAG Field Trip. This year exploring the Transverse Ranges in the Wrightwood area. Highlights expected to be the San Andreas Fault, Devil's Punchbowl, and various geohazards in the Angeles Crest Mountains. Planned dates September 27, 28, & 29 -- the last weekend of September. Guest speaker Miles Kenney will participate.

CALL FOR PAPERS

Heather Reynolds and SDAG is inviting all who want to contribute their work to the Official Guidebook for the 2024 Field Trip to the Transverse Ranges in the Wrightwood / Valyermo area. Articles in all areas of geology-related disciplines and/or the cultural history of the area are welcome. Contact Heather for details at heath88@vt.edu

UPCOMING 2024 SDAG MEETINGS

April 17, 2024	Student research presentations by student scholarship winners, at Sunbelt Publications
May 15, 2024	Don Barrie & William Buckley present some Icelandic Adventures
MONDAY, JUNE 17	SDAG / SCGS joint meeting: Susan Hough on 1994 Northridge Earthquake Meeting at El Adobe in San Juan Capistrano
July 17, 2024	Chuck Houser, at Sunbelt Publications
August 21, 2024	TBA
September 27 - 29, 2024	SDAG Annual Field Trip, to the Transverse Ranges (no meeting this month)
October 16, 2024	TBA
November 20, 2024	Joint Meeting with AEG Inland Empire Section
December 18, 2024	Traditional Holiday Celebration at the NAT with Tom Demere

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Vice President	Heather Reynolds
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2024 SDAG MEMBERSHIP

Renew or become a new SDAG Member - 2024 Member Dues are Due if you have not already done so.

On-line Payment (\$25 Member; \$5 Student):

<https://www.sandiegoeologists.org/MemberForm.html>

Mail in or Bring FORM to Meeting: <https://www.sandiegoeologists.org/MemberForm.pdf>

2024 Corporate SDGS Sponsors

Renew or become a new 2024 SDAG Sponsor – Minimum \$100 includes annual Membership.

<https://www.sandiegoeologists.org/Sponsors.html>

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Photos from the SDSU Geology Alumni 2024 Field Trip Recon



February 10, 2024