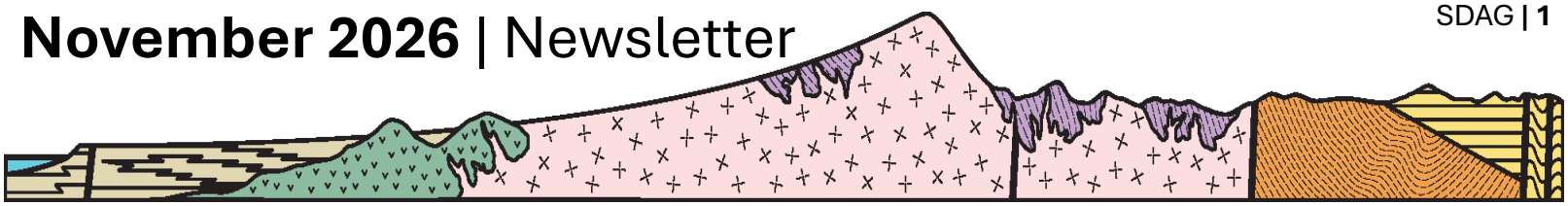
November 2026 | Newsletter



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SDAG Announcements

SDAG MEETING ANNOUNCEMENT

Wednesday, November 18th, 2026

6:00 pm - Social Hour | 7:00 pm - Dinner | 8:00 pm – Program

LOCATION:

Phils BBQ Event Center
3740 Sports Arena Blvd., Suite 10
San Diego, CA 92110
*Event room is located in the same shopping center as the Phil's BBQ restaurant.

SPEAKER:

Dave Bloom
"Geology of Morocco."

DINNER: BBQ Broham Sandwich, El Toro Sandwich, or BBQ Garden Veggie Burger

COST: Member $55.00 | Non-Member $65.00 | Student $25.00

RESERVATIONS:
Make & Pay your reservation online through the SDAG website, before **6PM Wednesday, November 11th.**

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

Click Here! For Reservations

Meet Our | Speaker & Topic



Dave earned his B.A. in Geology from Pomona College and completed graduate studies in basin analysis, tectonics, and hydrogeology at UCLA and San Diego State University.

He is a California Professional Geologist, Certified Hydrogeologist, and Certified Engineering Geologist. In 2008, he led the team that established the San Diego Geological Society, where he continues to chair the Publications Committee.

He has a decades-long career in southern California environmental geology. Since 1990, he has specialized in investigating contaminated soil and groundwater, including with his current firm, Tetra Tech.

Dave Bloom

ABSTRACT:

"GEOLOGY OF MOROCCO."

Morocco's remarkable landscapes reflect the interaction of a complex geological history, distinctive climate, and diverse cultural traditions. My interest in Morocco began with a visit in 2017, followed by a 2023 trek to the summit of Toubkal (elevation 4,167 meters) in the High Atlas and a more recent exploration of the Rif Coast, including Ceuta. These experiences provide the personal and geographic context for this presentation.

The presentation begins with Morocco's strategic location at the crossroads of Africa and Europe, between the Atlantic Ocean and the Mediterranean Sea, and introduces its major physiographic regions, climate zones, history, and cultural heritage. The geological discussion follows the development of the country from the assembly of Archean basement through the Neoproterozoic Pan-African orogeny, Paleozoic mountain building, the opening of the Atlantic Ocean, and the continuing convergence of the African and Eurasian plates.

Particular attention is given to Morocco's four major east–west mountain ranges: the Rif, Middle Atlas, High Atlas, and Antiatlas systems. The High Atlas includes Jurassic rift-basin limestone and dolomite interbedded with sandstone and shale sequences. These rocks were subsequently folded and uplifted during the collision of the African and Eurasian plates. The Rif Mountains and the Gibraltar–Alboran region record late Cenozoic deformation associated with the Alpine Orogeny, including thrust faulting that placed nappes of older rocks over younger Cenozoic strata.

The presentation also examines Morocco's world-class phosphate deposits and other mineral resources. Morocco's principal phosphate deposits are sedimentary phosphorites that formed in Tethyan marine basins during the Maastrichtian to Danian, when high biological productivity occurred under conditions of relatively low sedimentation. With known reserves of approximately 50 billion tonnes, these deposits comprise 70% of global reserves and have played a major role in Morocco's economy.

Groundwater and surface-water systems are considered in the context of Morocco's Mediterranean and semiarid climates, mountain-driven precipitation patterns, drought, water scarcity, and desertification. Cultural observations—including architecture, markets, hospitality, food, and daily life—are integrated with the geological story to show how people have adapted to Morocco's varied environments.

Maps and photographs illustrate the connections among geology, landscape, natural resources, culture, and human activity. Comparisons with California highlight shared Mediterranean climates, mountain-related precipitation patterns, water-resource challenges, and seismic hazards, while also emphasizing the different tectonic settings of the two regions. Together, these themes demonstrate how Morocco's geological history continues to shape its landscapes, economy, culture, environmental challenges, and future.



PRESIDENT'S CORNER

Hello SDAG Members,
It is amazing how quickly this year has gone by; I am excited about our forthcoming meetings this year. What a fantastic October Meeting, one of our biggest crowds of the year.

A special thank you to **Wes Danksin and Geoff Cromwell** for their presentation, **Lessons learned and reports from the San Diego Hydrogeology project.** The San Diego Hydrogeology project is an important regional effort. 25 years of work by the USGS has expanded understanding of regional groundwater systems, including areas in Mexico and offshore. We will be looking forward to seeing the eight pending reports that will be coming out in the next few years.

Looking ahead, our next meeting will be held on **November 18th**. We are excited to welcome our very own **Dave Bloom** as our featured speaker. Dave will share highlights from his travels in Morrocco. His abstract is included in this newsletter, and I encourage everyone to attend what promises to be another engaging and informative presentation. Our meeting will once again be held at **Phils BBQ** I look forward to enjoying another evening of great food, stimulating conversation, and the opportunity to reconnect with fellow members. Please remember to register and pay in advance through PayPal using a credit card, debit card, or bank account. **Reservations must be made no later than November 11th**,

One of the most meaningful investments SDAG makes is supporting the next generation of geoscientists. As mentioned previously, **Shannon O'Dunn** has once again demonstrated her commitment to our profession by renewing her sponsorship with a generous **$4,000 donation** dedicated to the **2026 Student Scholarship Awards**. Her continued generosity will help us provide scholarships and educational opportunities for students pursuing careers in the geosciences. In addition, SDAG has added $4,000 for a total of $8,000 in Scholarships this year. We look forward to handing them out at our December meeting.

We have also launched a dedicated **Scholarships** page on the SDAG website. For members who wish to give back to the profession, supporting the scholarship program is one of the most meaningful ways to invest in the future of geology and help develop tomorrow's geoscience leaders.

I want to give thanks to Luke Johnson for his service as Secretary this year. However, Luke will not be able to serve next year as the 2027 Vice President, so we need find a volunteer for that position. This is a great opportunity to provide service to the geologic community and to lead the September 2027 field trip. If you are interested, please reach out to me prior to the December meeting, when elections occur.

Other fun things coming up include Ocean View mine trip on November 7th and the Sunbelt event on November 21, see the newsletter for more details.

If you were unable to attend one of our past meetings, I encourage you to visit the SDAG website and watch the presentation under **"Recordings of Past Meetings."** As always, my sincere thanks go to our officers, board members, and Carolyn for the countless hours they dedicate behind the scenes to make these meetings and programs possible.

Thank you for your continued support of SDAG and for helping make our organization such a vibrant and welcoming professional community. I look forward to seeing many of you at our November meeting and throughout the remainder of the year as we continue to promote geology, education, and professional collaboration throughout the San Diego region.

Wishing you and your families a safe, relaxing, and enjoyable remainder of the year!
Mike Palmer 2026 SDAG President

2026-2027 Upcoming Meetings

DATE	SPEAKERS & TOPICS
November 18th	Dave Bloom, “Geology of Morocco”
December 16th	Annual Holiday Meeting at San Diego History Museum with Tom Demere as Speaker
January 2027	Pat Abbot: “Geologic Control of Human History in Central Texas: Cretaceous limestone, Miocene faulting, groundwater flow, and human land use"
February 2027	Speaker and Talk TBA
March 2027	Speaker and Talk TBA

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2027 Member Dues are Due if you have not already done so.
On-line Payment ($30 Member; $10 Student) or Bring FORM to Meeting

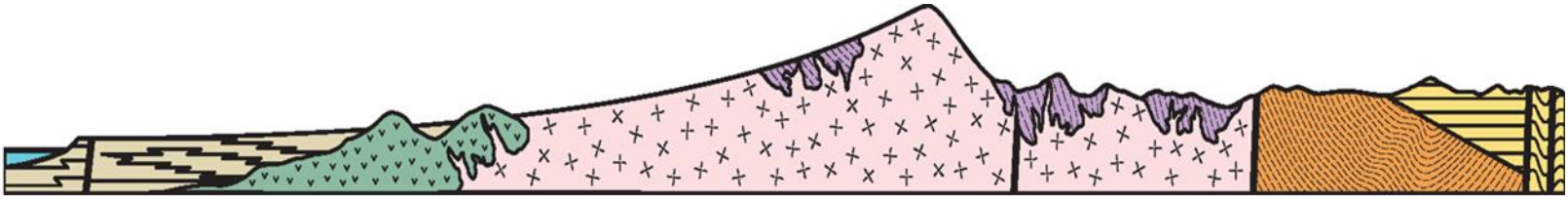
Speakers For 2027 Meetings

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

SDAG JOBS BOARD

Please visit the SDAG jobs board to see open opportunities and potential candidates.
Please reach out to the SDAG secretary with new opportunities to be added.

See newly listed opportunities from GSI, and Southwestern College.
https://www.sandiegogeologists.org/Jobs.html



CALL FOR PAPERS

Still Accepting Contributions to the **2027 Guidebook** **Southern Owens Valley:** Faults, Fortunes, and Forgotten Shores

SDAG invites anyone interested to contribute to the official **2027 Guidebook** covering the geology, mining history, and cultural history of **southern Owens Valley, including 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!

Contributions to the due by January 31, 2027, with publication planned for mid-2027.

Please contact Jasmine Peach for details.
jasmine@sandiegogeologicalsociety.org



CALL FOR SPEAKERS

For the 2027 SDAG MONTHY MEETINGS

San Diego Association of Geologists (SDAG) is seeking speakers for our **2027 monthly meetings**.

Share your knowledge with the Southern California geologic community! We welcome presentations on **engineering geology, environmental geology, hydrogeology, geophysics, mineral resources, geologic hazards, GIS, field studies, academic research, career development, and other geology-related topics.**

If you or someone you know would like to present, please contact us.

INTERESTED IN SPEAKING?

Jasmine@SanDiegoGeologicalSociety.org
or contact any SDAG Officer

Learn more at
www.sandiegogeologists.org/

Follow us at
www.facebook.com/sandiegogeologists.org/

VISIT A GEM MINE

On November 7, 2026, several gem and mineral and geology organizations of Southern California are invited to visit the Ocean View Mine at Pala. The mine is located at 37304 Magee Rd, Pala, CA 92059. Check-in will begin at 12:30 with a payment of $60 CASH collected at that time. From 1 until 4 you will have the opportunity to tour the underground mine and dig thru some recently excavated material. As the Information Package states "You can keep anything you find".

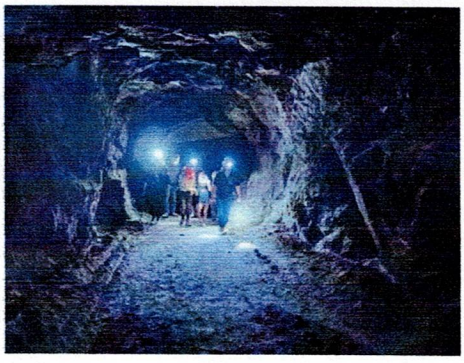




Bring plenty of water and any food. Restroom facilities are available. Bring sturdy shoes, gloves, hat, sun screen, shovels, screens. No animals are allowed and children must be older than 13 years. Fill out the accompanying Liability Waiver Form and send it to Jim Anderson, 1123 Tylee Street, Vista CA 92083 or email to jnanderson1@gmail.com. You will then be on the list to be checked in on Nov 7. DO NOT SEND THE FORM TO THE OCEAN VIEW MINE. DO NOT SEND THE PAYMENT WITH THE LIABILITY WAIVER. Showing up on Nov 7 without preregistration, you may or may not be accommodated. For detailed directions go to https://digforgems.com/map









FOR IMMEDIATE RELEASE **San Diego, California**

October 12, 2026

Books have the power to transform lives, but only if people have access to them.

Regional INK Launches New Initiative to Ensure Regional Books are Available for Schools, Libraries, and Museums.

Regional INK, with community partners Sunbelt Publications and Publishers & Writers San Diego (PWSD), invites you to a **Holiday Celebration, 4pm-7pm, November 21st** at Sunbelt Publications, 664 Marsat Ct. Suite A, Chula Vista, CA 91911. Featuring Dr. Pat Abbott's ***Rise and Fall of San Diego***, ***Joan Embery Explores San Diego***, Neva Sullaway's collaborative ***Baja to Bering*** and ***San Diego Seafood Then & Now***, as well as savory homemade chili. It promises to be a flavorful event.

Space is limited. Please reserve your spot now at: info@regionalink.org

Regional INK's Mission is Specific and Intentional:

Regional INK is a nonprofit organization inspired by a group of passionate authors, editors and storytellers, dedicated to connecting communities through the power of books, education, and literary arts. By bridging the gap in book accessibility and supporting local voices, Regional INK works to ensure that individuals of all ages can discover the joy of reading and learning. **RegionalINK.org** focuses on raising funds for books that fulfill this mission.

Please Join Us in exploring and discovering our regional authors, history, natural environment, and unique cultural heritage, encompassing California, the Southwest, and Baja California.

Media Contact

Jennifer Silva Redmond, President

info@regionalink.org

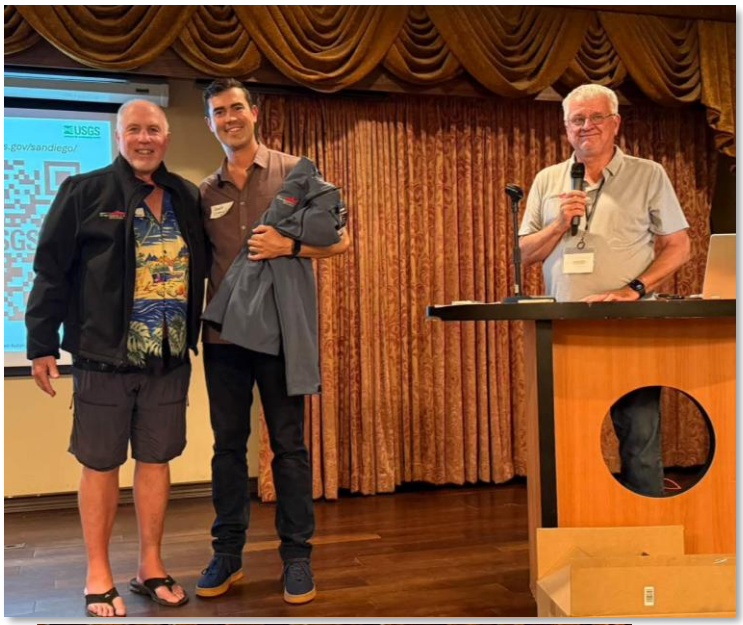
Event Contact:

Neva Sullaway, Secretary

info@regionalink.org

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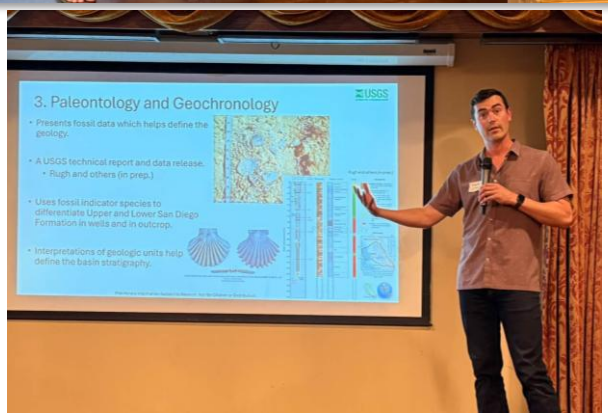
SDAG | October Meeting Recap



Last month, we had the pleasure of welcoming Wes Danskin and Geoff Cromwell for our October meeting.

Their presentation, *What is New with the San Diego Hydrogeology Project?*, shared recent findings from the USGS's 25-year study of the geology and groundwater resources of the greater San Diego–Tijuana area.

Wes and Geoff discussed what the project has revealed about our region's geology, groundwater, and potential local water supplies. We are very grateful to them for taking the time to speak to the group. It was a fascinating presentation and a great opportunity to learn more about the geology and water resources beneath San Diego!













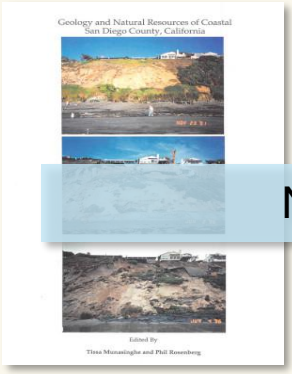
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FIELD TRIP GUIDES & RESEARCH REPORTS

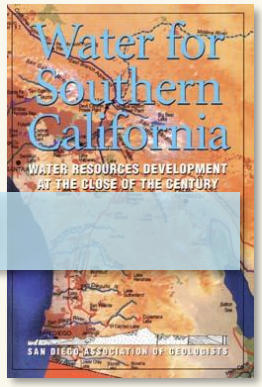
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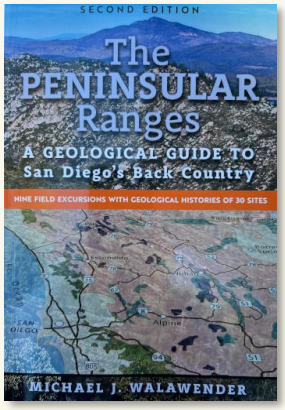
Geology And Natural Resources Of Coastal San Diego County, CA (1996)



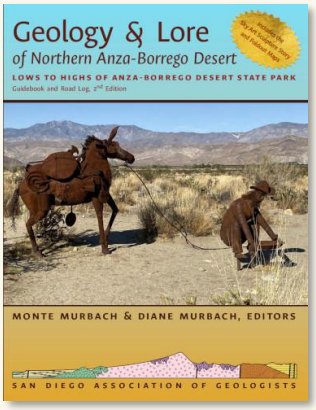
Geology And Geothermal Resources Of The Imperial And Mexicali Valleys (1998)



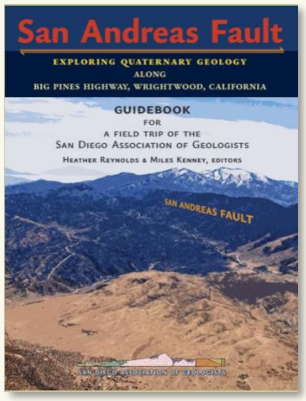
WATER FOR SOUTHERN CALIFORNIA: Water Resources Development (1999)



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



Geology & Lore of Northern Anza-Borrego Desert: Lows to Highs of Anza-Borrego Desert State Park



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

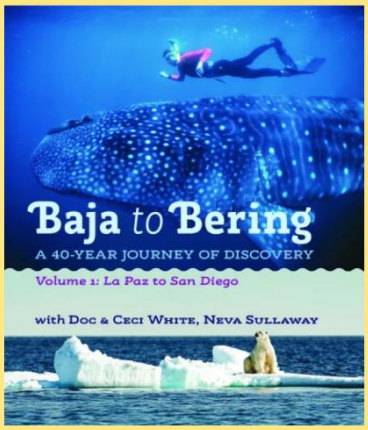
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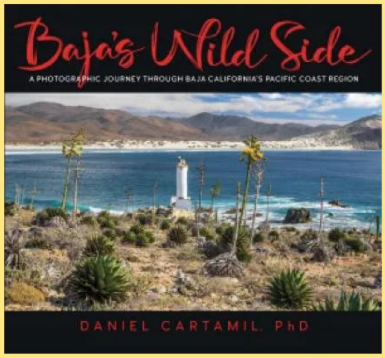


Baja to Bering: A 40-Year Journey of Discovery | Vol. 1: La Paz to San Diego

ISBN: 9781941384763
$34.95

Baja to Bering Vol 1. is a compilation of four decades at sea, recounting experiences from La Paz, Baja California, to San Diego, California, following Doc and Ceci White's muse—humpback and gray whales. This is not just another whale book; indeed, it is a love letter to the Sea, acknowledging its magnificence, its perilous beauty and all the Sea gives us—oxygen, food, water, medicine, energy, and so much more. In turn, we hope to encourage awareness of the Ocean's mysterious underwater world, much of it still unexplored.

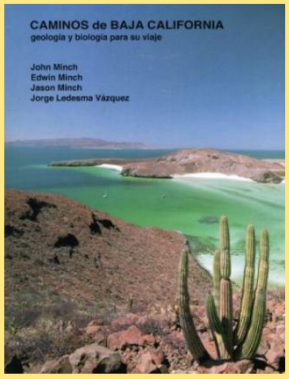
Backlist Favorites:



Baja's Wild Side

ISBN: 9781941384329
$19.95

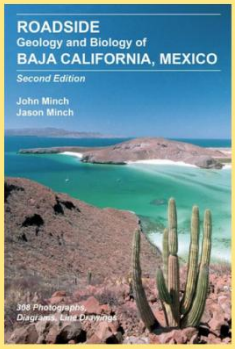
This book chronicles a fragile paradise of remote landscapes, wildlife, and cultural treasures on the verge of being overtaken by modern civilization. From the high sierra to ancient cave paintings hidden deep in the desert, to the surf-pounded Pacific, readers will discover Baja California's little-known "Wild Side."

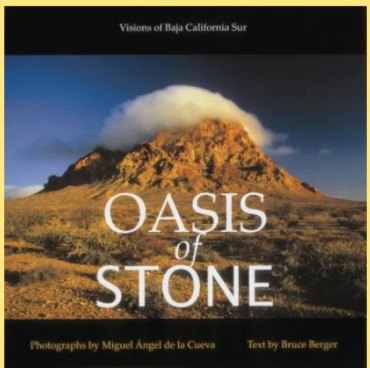


Roadside Geology and Biology of Baja California
Caminos de Baja California Geologia Y Biologia

ISBN: 9780999025109 (ENG), 9780963109026 (SP)
$24.95 (ENG), $19.95 (SP)

A stunning guide to the biology and geology of the Baja California Peninsula, illustrated with full-color photographs and written to be accessible to the everyday reader.
Una guía espectacular sobre la biología y geología singular de la península de Baja California, ilustrada con fotografías a todo color y escrita para el lector cotidiano.





Oasis of Stone

ISBN: 9780916251765
$49.95

Gorgeous full-color photography by award-winning photographer Miguel Ángel de la Cueva, and evocative text by Bruce Berger bring the southern half of Baja California to life. Beginning with its unique geology, and moving on to the coastal, desert, and mountain ecosystems of Mexico's little-known peninsula, this lushly decorated coffee-table book highlights the geology that created this "Oasis of Stone" and the flora and fauna that make their homes here.

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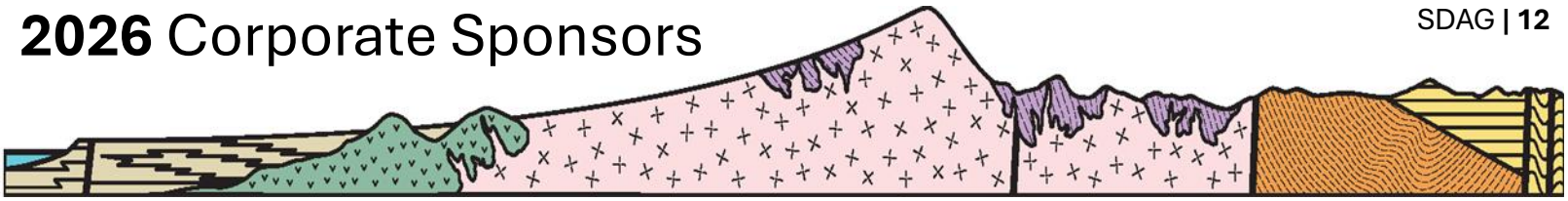
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