

Miocene Mojave: the volcanic story



The 2026 Desert Symposium Program

Friday morning April 10

7:00 **Breakfast and Registration packets**

8:40 **Welcome** from the **Desert Studies Consortium** and **Desert Symposium Inc.**

9:20 **Keeley, Robert and others**—Anza-Borrego Desert State Park Gomphothere Site

9:40 **McDowell, Ken**—Altered Volcanic Ash Beds in the Pliocene Tapiado Claystone

10:00 ***Groover, Krishangi and Miller, Dave**—Paleo-groundwater Insights into Older Lakes in the Salton Trough

10:20 **Break**

10:40 **Stewart, J.D. and others**—Pleistocene Seismicity-Triggered Injectites in Lake Cahuilla

11:00 **Budinger, Fred**—Dating of the Calico Site

11:20 **Gillespie, Alan**—Revisiting the Solar Petroglyphs at Heizer-Baumhoff Site INY272

11:40 **Lynch, Dave and others**—Refractive Meniscus Shadows from Emergent Desert Plants

12:00 **LUNCH**

Friday afternoon

1:00 **Dudash, Stephanie and others**—Climate and Tectonics Shaping Late Quaternary Landscapes

1:20 **Caputo, Mario and Rowland, Steve**—Tetrapod Bones & Trace Fossils, Wescogame Formation

1:40 **Rowland, Steve and others**—Desert dune walkers of the Jurassic Aztec Sandstone

2:00 **Dick, Meghan and House, Sally**—Enhancing Public Access to Mojave Area Water Data

2:20 **Break**

2:40 **Meek, Norm**—Summary of Research and Significant Discoveries

3:40-6:00 **Poster session and social**

Poster session and social

Brennan, Kelsey and Miller, Dave—Geodatabase for the Bedrock Geologic Map of the Mojave Desert

Dick, Meghan and House, Sally—Enhancing Public Access to Mojave Area Water Data: Demonstration

Felger, Tracey and others—Permian Granitoid Body Identified Northwest of Barstow

Hereford, Richard—Fray Garcés 1776 Crossing of the Colorado Desert

***Martens, Brennan and others**—Latham Shale of the Marble Mountains

McDowell, Ken—Stratigraphic Architecture of a Braided-Stream Complex

***Rehwinkel, Rayann and Brounce, Maryjo**—Petrogenetic History of the Salton Buttes

Rosenburg, Christiana and others—Conceptual Hydrogeologic Model of the Salton Sea Watershed

6:00 **Dinner** on the patio

8:00 **Evening Program:**

Dave Nichols

Park Archeologist

The Excavation of the Casebier Rock Shelter (Forensics of a Dig)



Saturday morning April 11

7:00 **Breakfast**

8:20 **Harris, Paul**—Ninety-Nine Ashen Apparitions

8:40 **Neuhaus, Sarah and Cromwell, Geoff**—Hydrogeologic Characterization of Edwards Air Force Base

9:00 *Eden, Ryan and Gans, Phil—Petrochronology of Tuffs from the Miocene Barstow Formation

9:20 Garvue, Max and others—Volcano-sedimentary lithium deposits at Daggett Ridge

9:40 Hornafius, Scott and others—Correlation of volcanic ashes in the Dove Spring Formation

10:00 *Break*

10:20 *Sabatino, Frances and Wells, Michael—Late Laramide Deformation in the Fenner Hills

10:40 *Jacobs, Cole and others—Cretaceous shortening in the Little Piute Mountains

11:00 *Nabiev, Asan—Modal Mineralogy of Stewart Valley Andesites

11:20 Chorazewicz, Marek—Microminerals of Dish Hill

11:40 Newmann, Justin and Gans, Phil—Plate tectonic setting of early Miocene magmatism

12:00 **LUNCH**

Saturday afternoon

1:00 Wilson, Doug and Gans, Phil—Plate tectonic setting of Miocene Mojave magmatism

1:20 Miller, Dave and others—Early Miocene volcanism and tectonics, Lava Hills and Bristol Mountains

1:40 Harvey, Janet and Buesch, David—Hyperspectral characterization of Miocene volcanic rocks

2:00 Buesch, David—Middle Miocene volcanism and landscape evolution in the Marble Mountains

2:20 *Break*

2:40 Caputo, Mario—Buzzard's Rock, a lava dome remnant at Barstow

3:00 *Love, Sylvie and others—Geochronology and Petrology of the Granite Mountains

3:20 Wilkerson, Gregg and Vredenburg, Larry—Minerals and assessments of the Providence Mountains

3:40 Gans, Phil—Field Trip Introduction

4:20 *Symposium ends Organize vehicles, fill the gas tank, etc.*

6:00 **Dinner**

Sunday April 12

6:30 Breakfast

7:30 Departure

Box lunch

7:00 Dinner

Monday April 13

6:30 Breakfast & clean rooms

7:30 Departure

Box lunch

Save the Dates!! Desert Symposium 2027

Borrego Springs March 18 to 22