Exploring ends of eras
in the eastern Mojave Desert

The 2019 Desert Symposium Program

Presentations

Friday morning

8:30 Welcome and opening remarks  Darren R. Sandquist, CSU Desert Studies Consortium Director
8:45 News from the Desert Symposium Inc.  Gregg Wilkerson, President, and members of the Board
9:00 Remembering Rob Fulton  Darren R. Sandquist, CSU Desert Studies Consortium Director
9:20 Fall blooming of the western Joshua tree (Yucca brevifolia)  James W. Cornett
9:40 BREAK
10:00 Varnish microlamination dates for artifacts from the Robert Begole collection at Anza-Borrego Desert State Park  Robin Connors
10:40 Geological constraints on hydrology and endangered species habitat at the Desert Studies Center, Zzyzx, CA  Cynthia Skjerve
11:00 BREAK
11:20 Differential responses by two ground squirrel species to motion camera surveillance in 2017 and 2018 under varying weather conditions in the West Mojave Desert  Edward L. LaRue, Jr.
11:40 The first Pleistocene paleosol vertebrate fossils in Ridgecrest, Kern County, CA  J. D. Stewart and Marjorie E. Hakel

Noon LUNCH

Friday afternoon

1:20 A short-lived geothermal mud pot near Niland, Imperial County, California  Paul M. Adams and David K. Lynch
1:40 A desert tortoise tale of burrows at two sites: it was the best of times and the worst of times  Kristy Cummings, Shellie R. Puffer, Jeffrey E. Lovich, Terence R. Arundel, and Kathleen D. Brundige
2:00 Where have all the turtles gone, and why does it matter?  Jeffrey E. Lovich, Joshua R. Ennen, Mickey Agha, and J. Whitfield Gibbons
College students survive in Death Valley because of kindness Bob Coleman and Gregg Wilkerson

SOCIAL AND POSTER SESSION

Posters

Geologic field investigation in the Yermo Hills, central Mojave Desert, California Robert Bennett, Fred E. Budinger, Jr., and Paul Mershon

New surficial geologic mapping to constrain Quaternary deformation along the Bristol-Granite Mountains Fault Zone, northern Bristol Mountains, eastern Mojave Desert, California Andrew J. Cyr

U-Pb age of siliciclastic sediments north of Alamo Lake, Arizona William J. Elliott and Joseph L. Corones

Alamo schist north of Alamo Lake, Arizona William J. Elliott and Joseph L. Corones

Tellurium in the Mojave: the geochemistry of a rare element re-investigated at the Otto Mountain and Blue Bell mines (near Baker, California) Owen P. Missen, Stuart J. Mills, and Joël Brugger

The Fairbanks Spring mammoth site: excavation and analysis of a Columbian mammoth from groundwater discharge deposits in Amargosa Valley, Nevada Lauren E. Parry, Stephen M. Rowland, Esmeralda A. Elsrouji, Mihaela G. Genova

Lake level fluctuations in the Northern Great Basin for the last 25,000 years Lauren Santi, Alexandrea Arnold, Daniel E. Ibarra, Chloe Whicker, John Mering, Charles G. Oviatt, and Aradhna Tripati

Geochemical proxies in Late Pleistocene wetlands in Nevada: preliminary results from the Eldorado Valley Douglas B. Sims and Amanda C. Hudson

DINNER

Friday Evening Program

***Presentation of the Robert E. Reynolds Student Research Award***

Recipient: Carolyn Mills
Saturday morning

8:00 A tectonic model sequentially linking the major tectonics of the southwestern United States and northwestern Mexico since 30 Ma Brian C. White

8:20 Distributed fault slip in the eastern California shear zone: adding pieces to the puzzle near Barstow, California Elizabeth K. Haddon, David M. Miller, Vicki Langenheim, and Shannon A. Mahan

8:40 A mysterious moving mud spring near Niland, Imperial County, California David K. Lynch, Travis Deane, Justin Rogers, Carolina Zamora, James S. Bailey, Dean Francuch, Christopher W. Allen, Cassandra Gouger, David Dearborn, Paul Adams, and Andrea Donnellan

9:00 Stratigraphy, geochemistry, and deformation of the Bicycle Lake basalt, southeastern Fort Irwin, California David C. Buesch

9:20 BREAK


10:00 Mineralogy of the Thor rare earth deposit, New York Mountains, southern Nevada Suzanne Baltzer and Robert Housley
10:20  Southern Spring Mountains (a.k.a. Goodsprings) Mining District, Clark County, Nevada and San Bernardino County, California  
Gregg Wilkerson

10:40  BREAK

11:00  A mid-Cretaceous snapshot of retroarc shortening in the southern Sevier foreland fold-thrust belt, Bird Springs Range, Nevada  
K. C. Rafferty, M. L. Wells, and T. D. Craig

11:20  Northern Halloran Springs mining district, San Bernardino County, California: a summary  
Gregg Wilkerson

11:40  Strike-slip fault interactions at Ivanpah Valley, California and Nevada  
D.M. Miller, V.E. Langenheim, K.M. Denton, and D. Ponce

12:00  LUNCH

Saturday afternoon

1:20  Lava Creek B ash bed at Ivanpah Lake playa, southeastern California  
J. R. Knott

1:40  Quantifying the precipitation forcing driving pluvial lake highstands in the Great Basin during the last deglaciation  
Daniel E. Ibarra

2:00  A window on the later Early Holocene: packrat middens from Black Butte, Sandy Valley, Nevada  
W. Geoffrey Spaulding

2:20  BREAK

2:40  Grinnell resurveys document the changing wildlife and environment of the Mojave Desert  
Lori Hargrove and Philip Unitt

3:00  Floristic discoveries in mid-elevation sky islands and surrounding valleys in the northern Mojave Desert, Inyo County, California  
Naomi Fraga and Carolyn Mills

3:20  Changing times in traditional Mojave Desert landscape photography  
Walter Feller

4:00  Presentation of the Adams Award

Group photo & Arrange carpools for the field trip

6:00  DINNER

Sunday morning

6:00  Breakfast

7:30  Depart on field trip, Day 1.

Monday morning

6:00  Breakfast

7:30  Depart on field trip, Day 2.