

# October 14, 2023 Annular Eclipse Trip





Colorado, Sangre de Cristo Mountains



Joe Smith

























Scorpius Setting



Morning Alpenglow











# Chimney Rock































# Mars Desert Research Station near Hanksville, Utah







# Dust Storm







Wildman Jesse



Peter Detterline  
MDRS Observatory Director





Elon Musk  
Solar Observatory











Gary A. Becker image



# MDRS Robotic Observatory











Getting ready for the annular eclipse





“Last Meal” Before E-day



# Shadow Games, E-day











Gary A. Becker image





#1  
 8000  
 1400  
 500  
 4000  
 3200  
 2500  
 2000

9:15  
 9:13

#2  
 8000  
 6000  
 5000  
 4000  
 3800

9:23  
 9:23

#3  
 8000  
 4000  
 3200

9:30  
 9:30

#4  
 8000  
 6400  
 5700  
 4500  
 3200  
 2500

9:45  
 9:45

#5  
 8000  
 2000  
 1400  
 500  
 4000  
 3200  
 2500

10:23  
 8000  
 2500

10:42  
 10:52  
 11:02

10:42 every 10  
 1/8000  
 1/6400  
 1/5000  
 1/4000  
 1/3200  
 1/2500













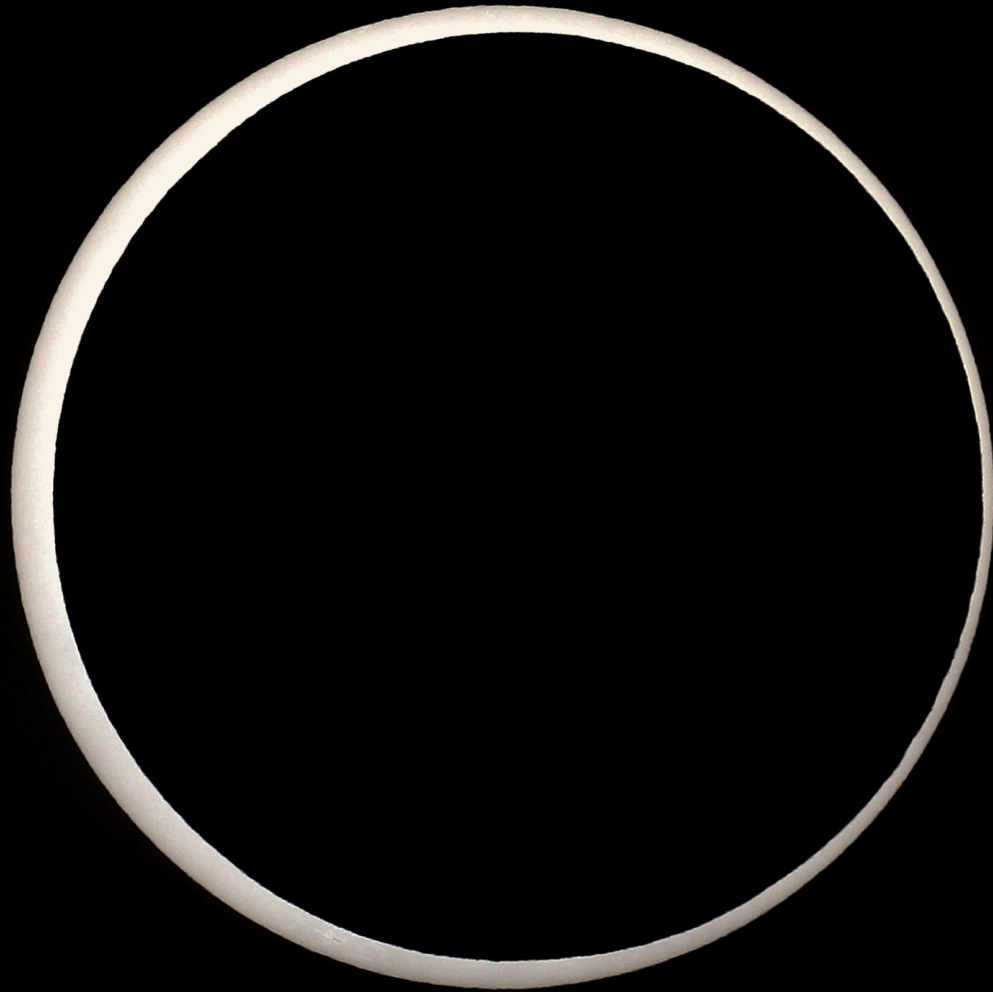






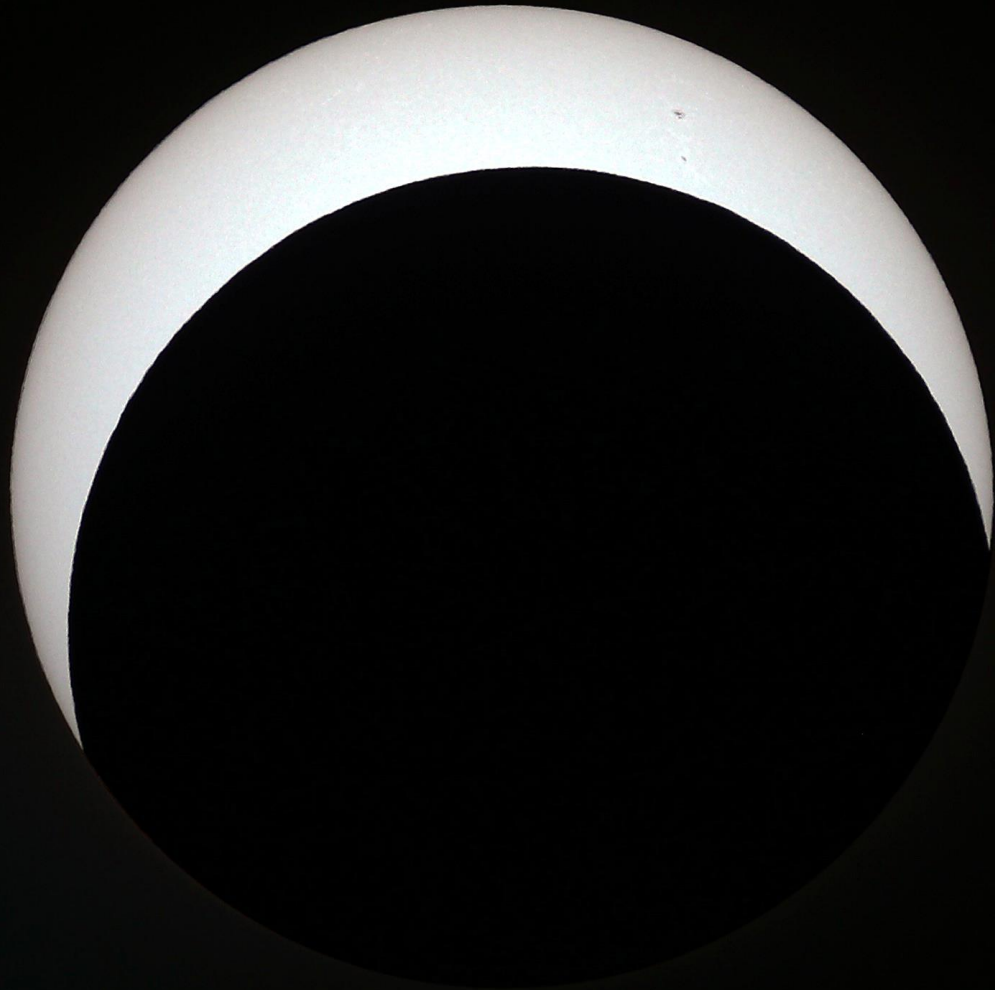


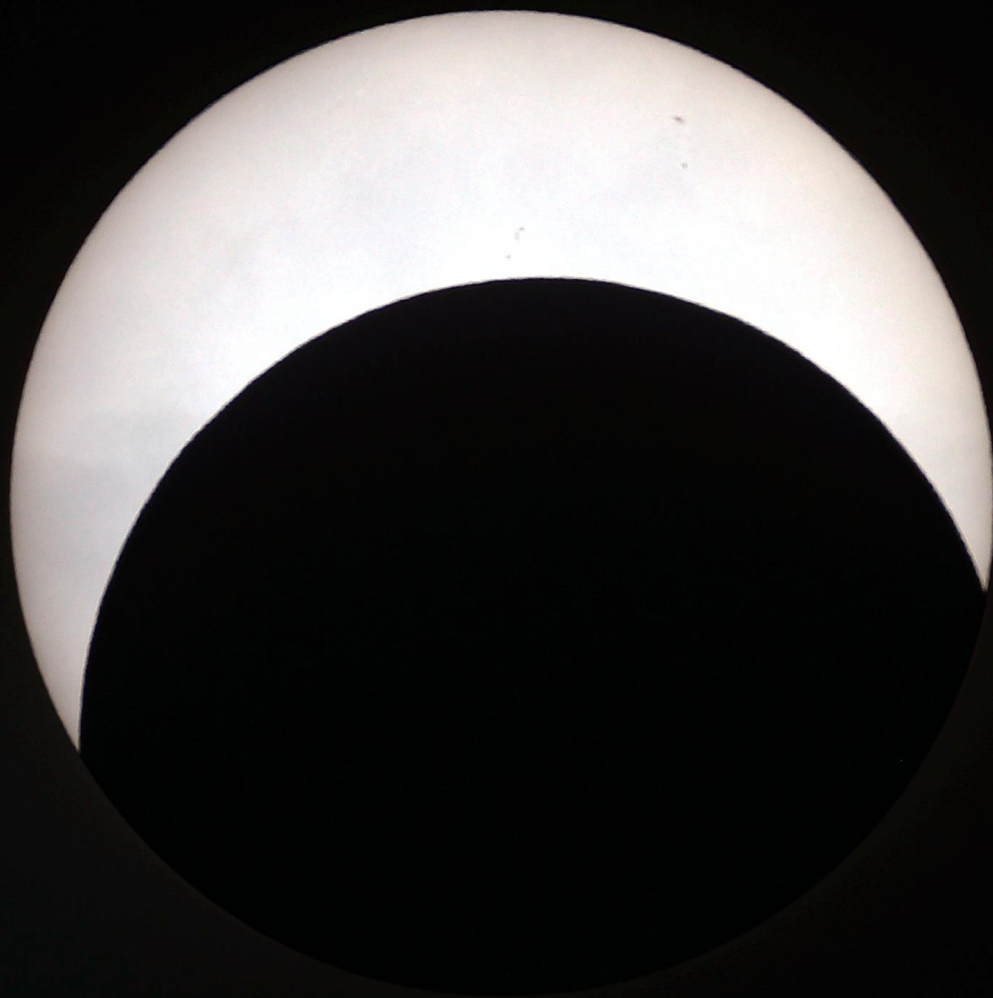


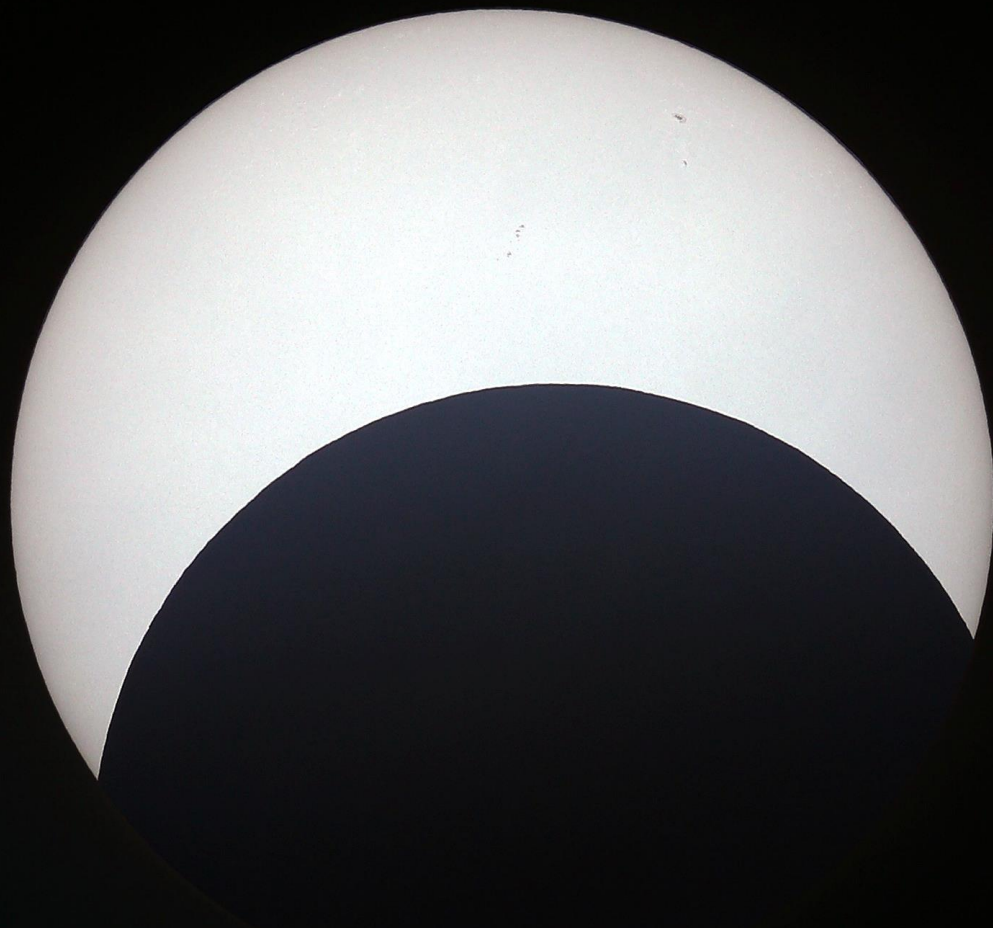
















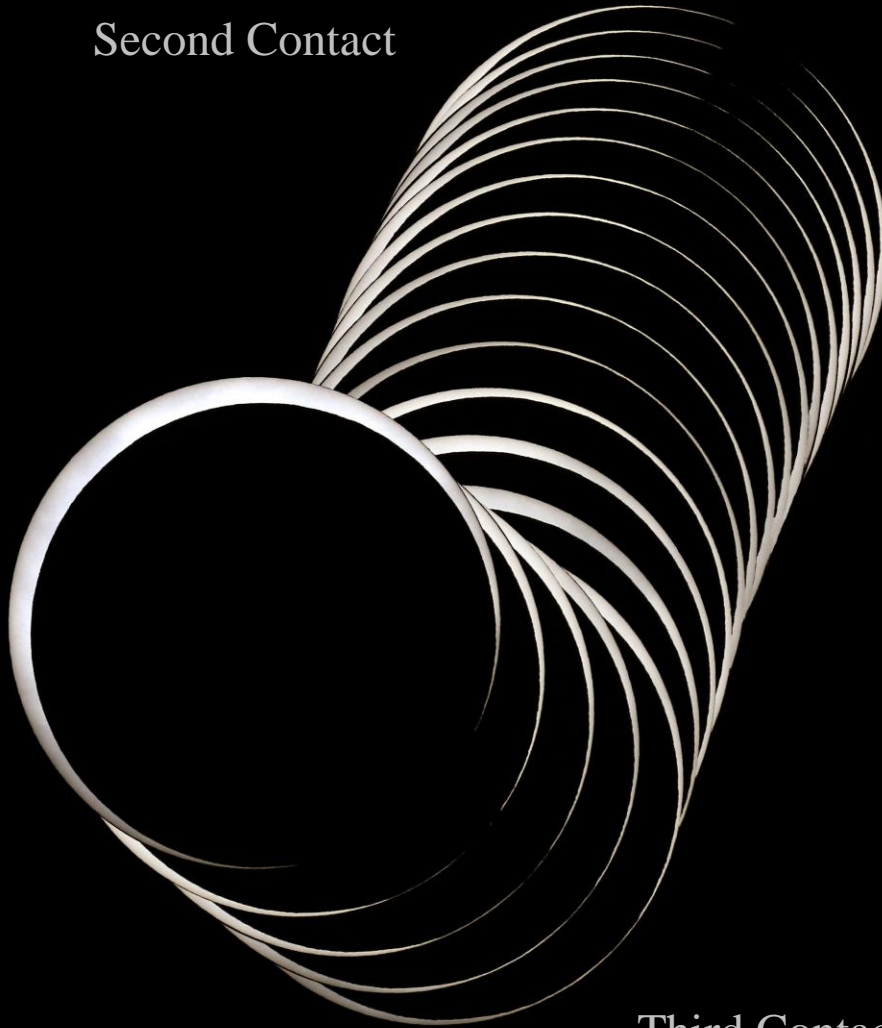






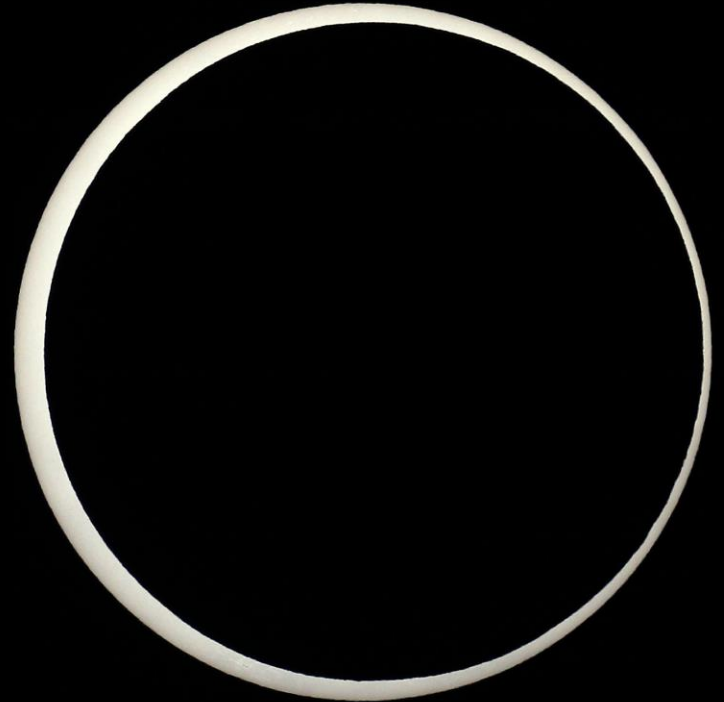


Second Contact



Third Contact

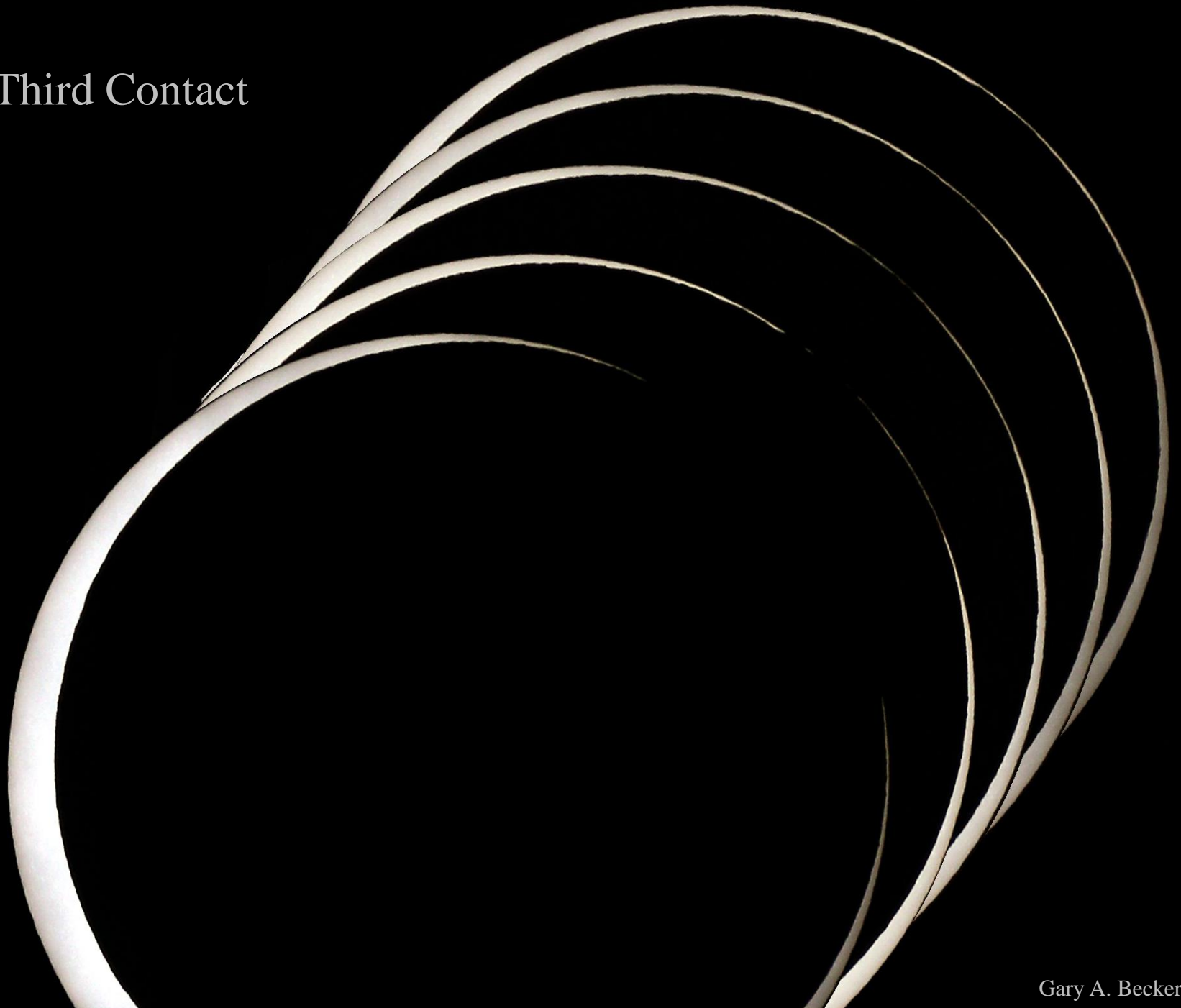
Annularity



# Second Contact



# Third Contact





MDRS Sim Team from Salt Lake City

# Leaving MDRS





Back across the Colorado  
to Valley of the Gods

# Ancient Seashore

















# Moki Dugway Scenic Backway





# Valley of the Gods









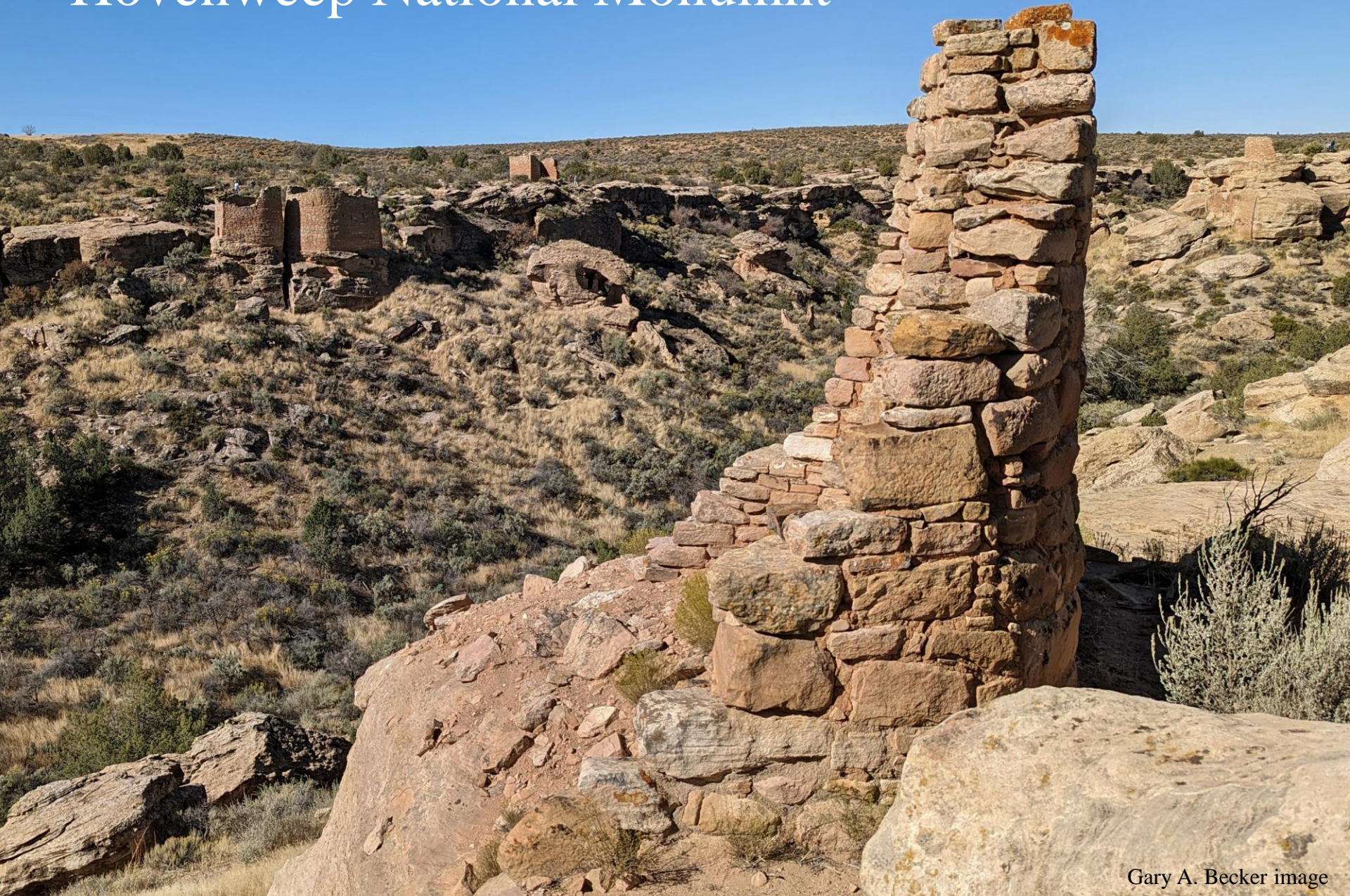


A wide landscape view of a dry, grassy plain. The foreground is filled with tall, golden-brown grasses. Scattered throughout the middle ground are numerous small, dark green shrubs. In the distance, a range of mountains stretches across the horizon, with a prominent, rounded peak in the center. The sky is a clear, bright blue.

# Sleeping Ute Mountain, Utah



# Hovenweep National Monument













# Hovenweep Castle

Summer Solstice Port  
Hovenweep Castle





# Hovenweep Castle, looking east





# Winter Solstice Port



Vernal/Autumnal  
Equinox Doorway















Chaco Culture National Historical Park  
Kin Kletso





# Pueblo Alto hike





# Pueblo Bonito from North Mesa







Gary A. Becker image

# Ancient Pathway





# Pueblo Alto Complex

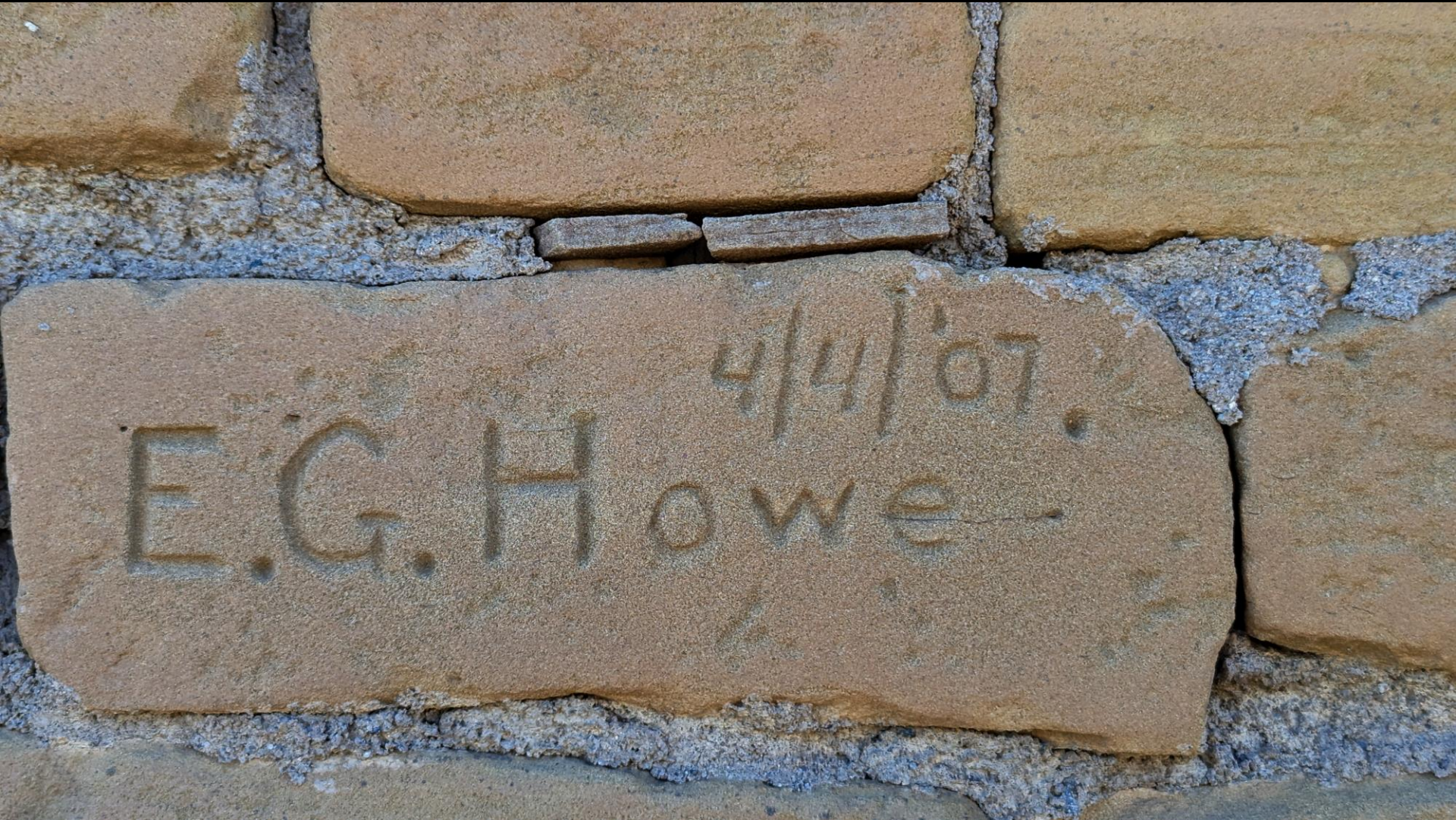


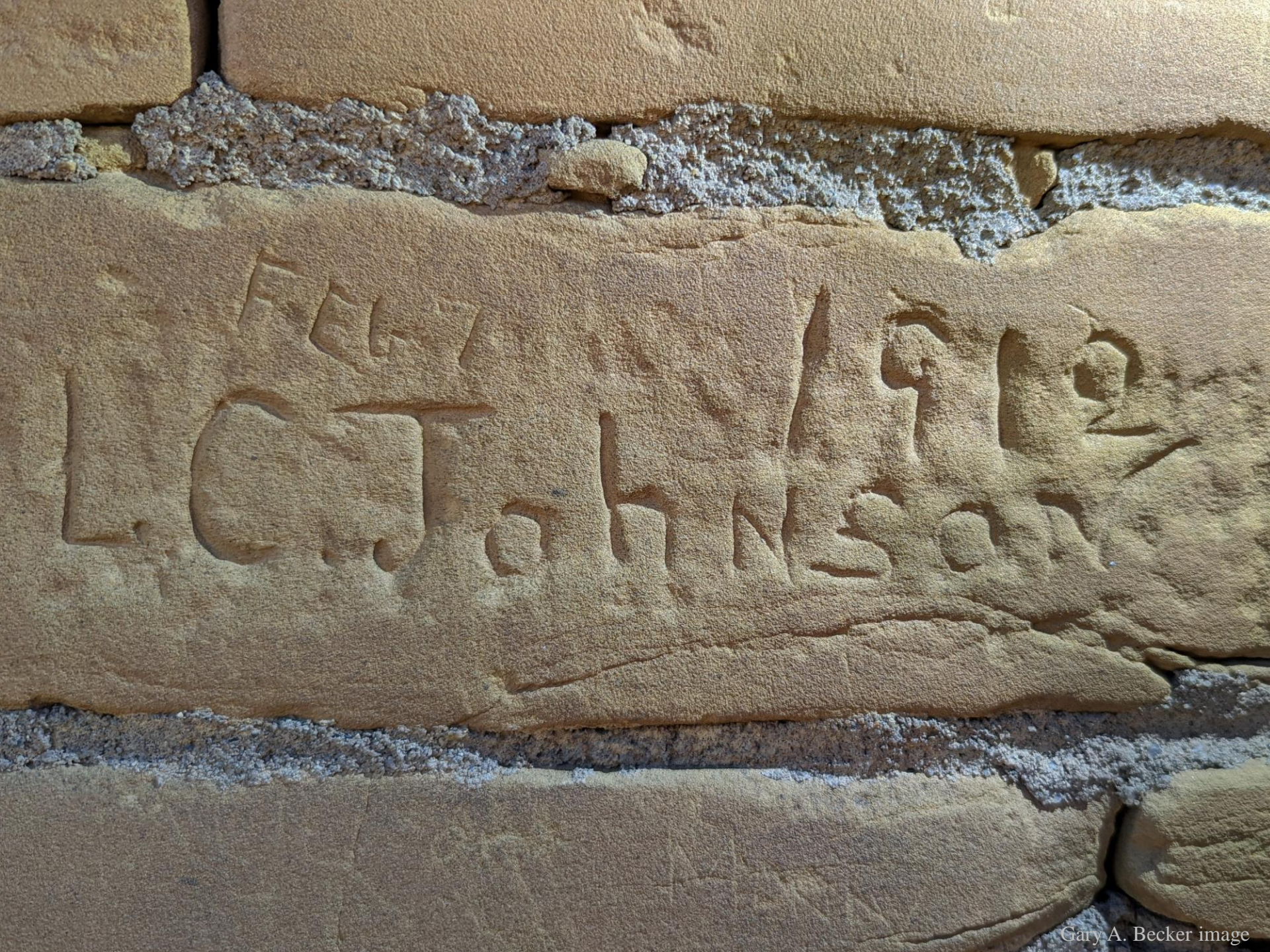






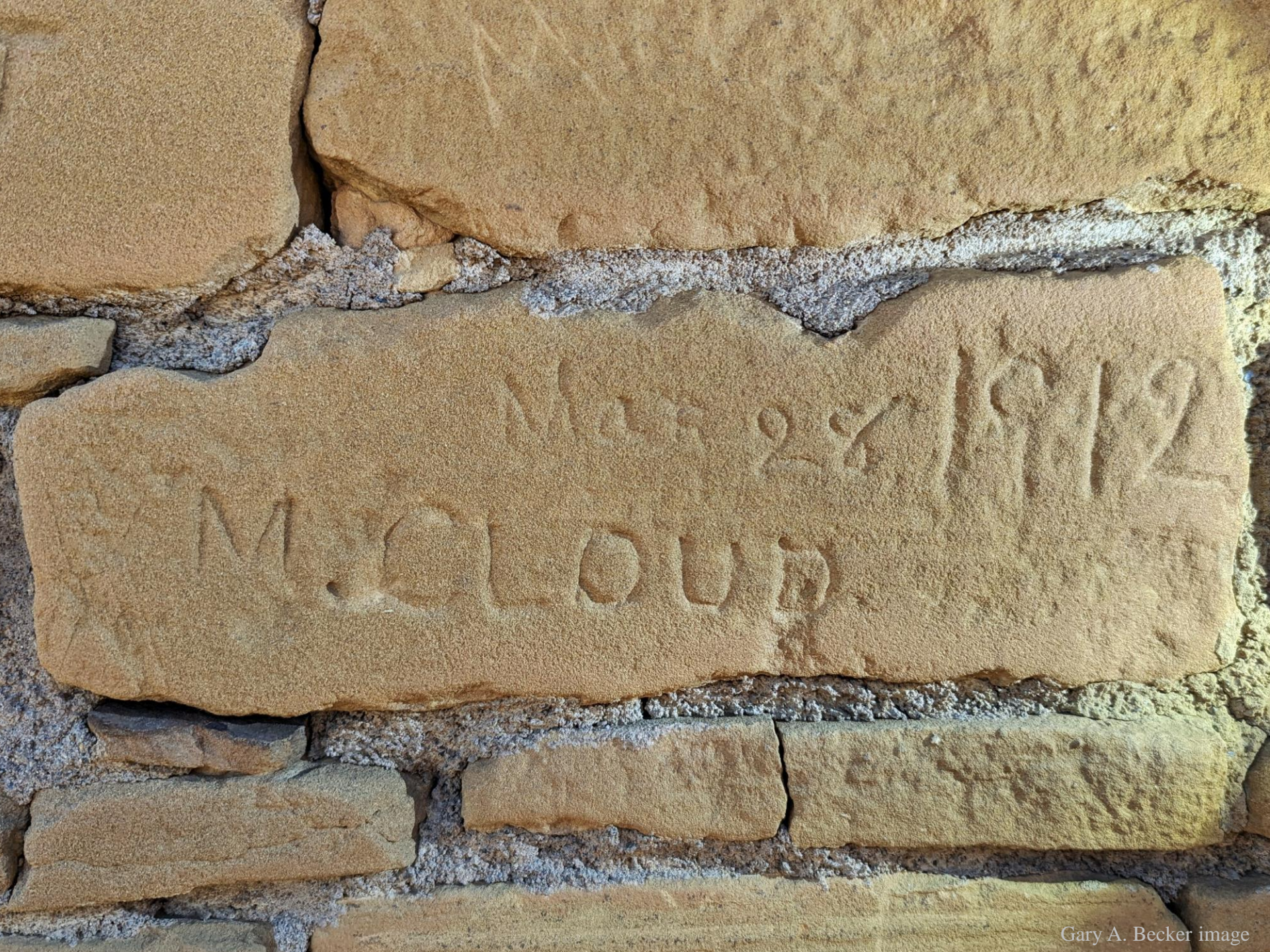






A.G.G. Bonnet  
Sept. 2.

1899.











# Jackson Staircase





# Chetro Ketl



























*Huerfano Mesa*



# Casa Rinconada







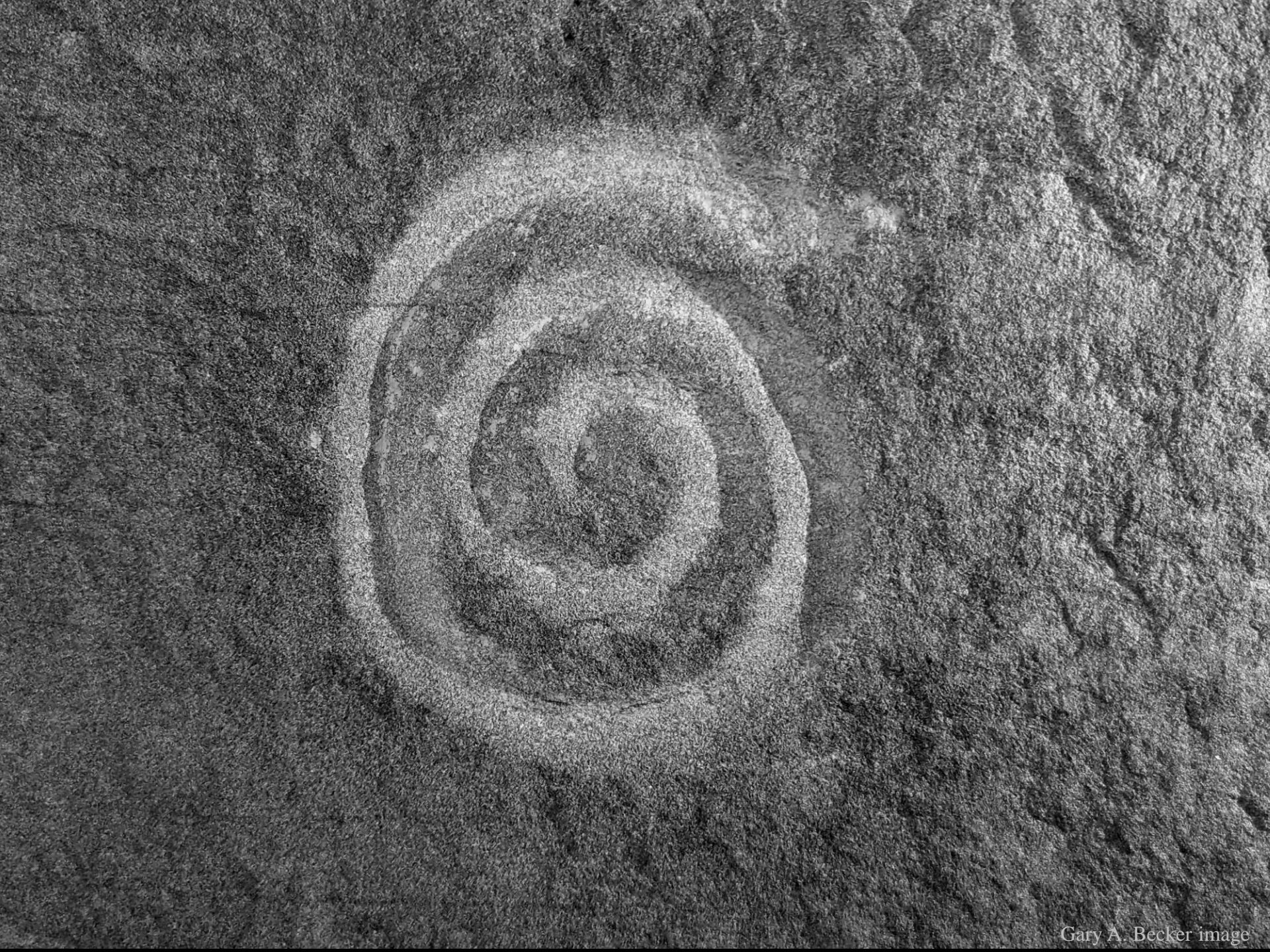
Summer Solstice  
Sunrise Window



illuminates this niche



















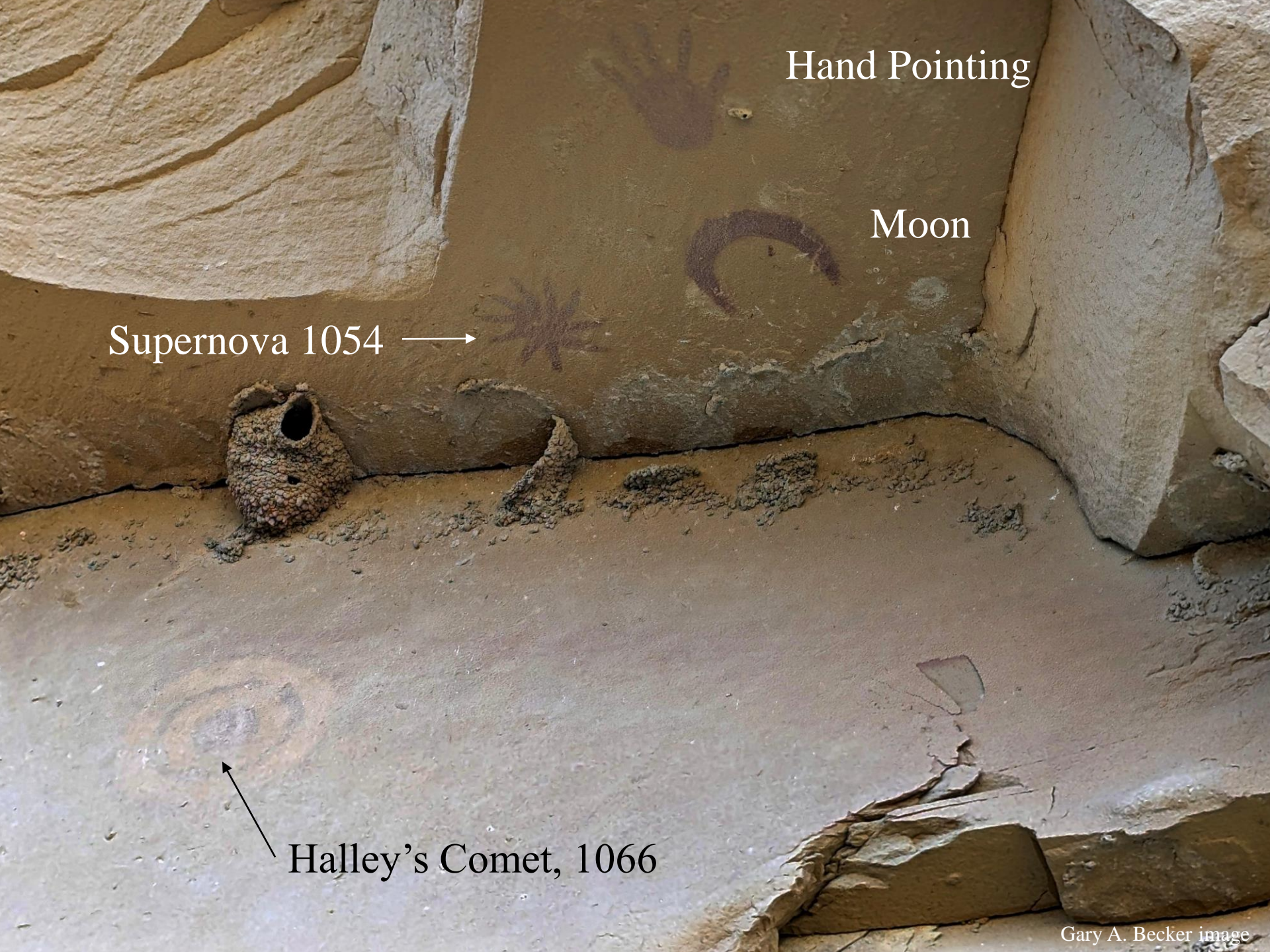
1054 Supernova Pictograph

Hand Pointing

Moon

Supernova 1054 →

← Halley's Comet, 1066



# Penasco Blanco



























# Thousand-Year-Old Fingerprints













# Casa Chiquita













# Pueblo Bonito After Sundown













# Earth's Shadow Rising, Homeward Bound





Finish