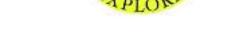
January 15-17, 2011

A SOUTHERN CALIFORNIA KALEIDOSCOPE:

PALOMAR, ANZA-BORREGO, SALTON SEA, AND JOSHUA TREE

LED BY DR. DONALD PROTHERO

SEE PAGE TWO FOR A MORE DETAILED DESCRIPTION.



DAY ONE: A personal tour of Palomar Observatory (weather permitting) • A behind-the-scenes tour of the Anza-Borrego State Park Visitor's Center and its outstanding fossil collections representing 3 million years of history.

DAY TWO: We will travel off road in open-air jeeps and military troop-carriers on an approximately eight-hour desert adventure with California Overland Desert Excursions.

DAY THREE: Obsidian Butte, one of four small volcanoes known as the Salton Buttes with its central dome of rhyolite. • The Salton Sea geothermal field. • Salton Sea State Recreation Area Visitor's Center. • Joshua Tree National Park including the Cottonwood Visitor's Center. • More stops with an emphasis on the junction of three of California's ecosystems: The Colorado Desert, the Mojave Desert, and the Little San Bernardino Mountains.

Tour package includes charter bus, 2 nights at a hotel with breakfast, picnic lunch all 3 days, snacks and water, lectures by various experts, park admission, off road transportation, and a guide booklet. You trip fee also includes a tax deductable \$150 donation to the Skeptics Society. Seats are limited, so make your

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o secure your place phone the Skeptics Soc	eople participating in the boxes below: iety office with a credit card number at 626-794-3119. Fill our medical information forms to complete your registration.
Skeptics Society members: (sing	gle room) @ \$662. each
Skeptics Society members: (sha	red room-find your own roommate*) @ \$559. each .\$
nonmembers: (single room) @ \$	762. each
	your own roommate*) @ \$659. each
EOLOGY TOUR DISCOUNT SKEPTICS MEMBE	RSHIP RATE! Join Skeptic Society now & receive r at the member's rate. (U.S. residents only) \$
HECK # 1	TOTAL PAYMENT OR DEPOSIT INCLUDED \$
equest LUNCH type regular	vegetarian
PRINT names of participants below e	xactly as you would like them to appear on badge
Charge my: MASTERCARD VISA EXPIRAT	TION DATE Month Year
Account No.	
	MasterCard *

room, but if a suitable roommate is not found, you will be charged the individual price.

Cancellation policy: Before Dec. 1: full refund. After Dec. 1 thru Jan. 1: \$150. donation is not refundable, refund of the rest of the fee. After Jan. 1: no refund. Mail to: Geology Tour, Skeptics Society, P.O. Box 338, Altadena, CA 91001. Fax: 626/794-1301. Or phone us at 626/794-3119.

A SOUTHERN CALIFORNIA KALEIDOSCOPE:

PALOMAR, ANZA-BORREGO, SALTON SEA, AND JOSHUA TREE

DAY ONE: Join us as we travel from Pasadena to Palomar Observatory for a personalized tour (weather permitting) of the world-class center of astronomical research that is owned and operated by the California Institute of Technology. The observatory is home to five telescopes that are nightly used for a wide variety of astronomical research programs. The tour covers the history and current scientific research of the Palomar Observatory, with a special emphasis on the 200-inch Hale Telescope.

We will get a behind-the-scenes tour of the Anza-Borrego State Park Visitor's Center and its outstanding fossil collections representing three million years of history. Over 500 different types of organisms have been identified, ranging from microscopic plant pollen and spores to the largest of mammoth elephants. Not only are the bones and teeth of long extinct animals preserved, but in some places, also their tracks. Paleontologist George T. Jefferson, author/editor of "Fossil Treasures of the Anza-Borrego Desert: The Last Seven Million Years," will be our guide for this tour. We will stay at the Marriott Fairfield Inn, in El Centro, California.



California Overland Desert Excursion's Offroad vehicle. http://www.californiaoverland.com/

DAY TWO: We will travel [off road] in open-air jeeps and military troop-carriers on an approximately eight-hour desert adventure with California Overland Desert Excursion.

Our exclusive Split Mountain tour rumbles up Fish Creek Wash to Split Mountain Gorge. Rock rises steeply on both sides exhibiting fascinating geologic features. Soon you will enter the insides of Split Mountain itself-the ancient torrents of Fish Creek have literally carved this mountain in half. You'll feel dwarfed by this enormous slot canyon where massive rock walls tower impossibly above you. Tortured sedimentary layers called synclines and anticlines testify to the tremendous forces at work in this area. After coming out of the slot canyon the truck pulls over in a broad wash where lunch will be served. A one-mile hike (optional) uphill on a trail leads you to a rewarding vista of the Elephant Knees, a columnar formation that looks like—well elephant knees. The 360° view is amazing, but it's the Wind Caves at the end of the hike that will really rock you. They look like a village built by a primitive culture but they're actually created by nature. Returning to the vehicles, we continue further up the wash to inspect a 4-million-yr-old shell reef and the fossilized footprints of a mammoth and prehistoric coyote. Round out the day by hiking colorful Sandstone Canyon (one of the most beautiful canyons in the Park) and marveling at the towering templelike features of the Mud Palisades in Olla Wash. Return to the hotel.

DAY THREE:

We will begin the final day by visiting Obsidian Butte. Salton Buttes are four small volcanoes designated from southwest to northeast as Obsidian Butte, Rock Hill, Red Island, and Mullet Island. Obsidian Butte consists of a central dome of rhyolite surrounded on all sides by a single rhyolite flow. We will also see the Salton Sea geothermal field, which is the largest of three major geothermal energy production sites in the Salton Sea. Before leaving the area, we will continue to the Salton Sea State Recreation Area Visitor's Center.

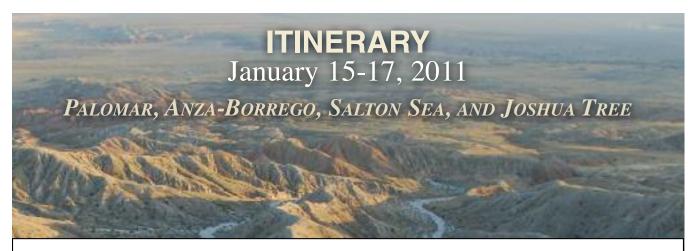
We will then travel to Joshua Tree National Park. Our lunch stop will be at the Cottonwood Visitor's Center. Once we have completed lunch, the tour will continue with several stops in the park. Joshua Tree's nearly 800,000 acres were set aside to protect the unique assembly of natural resources brought together by the junction of three of California's ecosystems. The Colorado Desert, a western extension of the vast Sonoran Desert, occupies the southern and eastern parts of the park. It is characterized by stands of spike-like ocotillo plants and "jumping" cholla cactus. The southern boundary of the Mojave Desert reaches across the northern part of the park. It is the habitat of the park's namesake: the Joshua tree. Extensive stands of this peculiar looking plant are found in the western half of the park. Joshua Tree's third ecosystem is located in the western most part of the park above 4,000 feet. The Little San Bernardino Mountains provide habitat for a community of California juniper and pinyon pine.

The park also encompasses some of the most interesting geologic features found in California's desert areas. Exposed granite monoliths and rugged canyons testify to the tectonic and erosional forces that shaped this land. Washes, playas, alluvial fans, bajadas, desert varnish, igneous and metamorphic rocks interact to form a pattern of stark beauty and ever changing complexity.

Our tour will exit the western station of the park (by Twentynine Palms) and return to Pasadena.



Wind caves. Photo by Michael Gilmore



Saturday, January 15

7:15 Load bus

7:30 a.m. Bus leaves from Paseo Colorado

shopping center located at 280 East Colorado Boulevard in Pasadena, CA

See attached map—Meet on

the sidewalk on the north side of the building between N. Garfield Ave. and Eucild Ave. Parking is \$9. per day.

10:00a.m Palomar Observatory Tour

35899 Canfield Rd, Palomar Mountain, CA

11:00a.m. Depart Palomar Observatory

12:00p.m. Lunch-Palomar Mountain State Park

1:15 p.m. Bus departs

2:30 p.m. Anza Borrego State Park

Visitor's Center

4:00 p.m. Depart Visitor's Center

5:00 p.m. Check in to hotel.

Dinner is on your own. Fairfield Inn and Suites 503 East Danenberg Drive El Centro, CA 92243. Phone: 1-(760) 353-2600

http://www.marriott.com/hotels/travel/iplfi-fairfield-inn-and-suites-el-centro/

Sunday, January 16

6:30 a.m. Breakfast begins at the hotel buffet

7:00 a.m. Load bus 7:15 a.m. Depart hotel

9:00 a.m. California Overland Desert Adventure:

Split Mountain Tour Hiking is not required

. (Lunch provided by California Overland

Desert Adventures as part of their tour) http://www.californiaoverland.com

5:30 p.m. Load bus

7:00 p.m. Return to your room at the

Fairfield Inn and Suites. Dinner is on your own.

Monday, January 17

6:30 a.m. Breakfast begins at the hotel buffet

7:15 a.m. Load bus 7:30 a.m. Depart hotel

8:00 a.m. Obsidian Butte and

Salton Geothermal Field

9:00 a.m. Load Bus

9:30 a.m. Salton Sea State Recreation Area

Visitor's Center

10:30 a.m. Load Bus

11:00 p.m. Lunch—Cottonwood Visitor's Center,

Joshua Tree National Park

12:00 p.m. Load Bus.

12:00-3:00 Tour Joshua Tree

National Park (with several stops.)

6:00 p.m. Arrive back at Pasadena's Paseo

Colorado shopping center at 280 East Colorado Blvd. in Pasadena, CA



Contact Person: Teresa LeVelle, 818-383-2385

Skeptics Society Geology Tour, P.O. Box.338, Altadena, CA 91001. Or fax to: 626/794-1301. Or phone us at 626/794-3119. Font's Point. Photo by Michael Gilmore

JANUARY 15-17, 2011

PALOMAR, ANZA-BORREGO, SALTON SEA, AND JOSHUA TREE

SKEPTICS SOCIETY PARTICIPANT RELEASE AND WAIVER

(All participants must complete this form for high-risk activity trips. i.e. hiking, rock climbing, desert/beach trips, etc.)

1. I AM AWARE OF THE RISKS OF CHOOSING TO PARTICIPATE IN THIS ACTIVITY. I ASSUME AND ACCEPT THE RESPONSIBILITY FOR THESE RISKS:

I am aware that participating in the geology tour on January 15-17, 2011 involves risks of personal injury, property damage and other associated risks. The activity has been explained to me, including the risks involved in participating in this activity, and I understand these risks.

I voluntarily agree to participate in this activity. I freely agree to assume and take upon myself, full responsibility for any such risks of loss, property damage or personal injury, including death, that may be sustained by me as a result of participating in this activity whether caused by the negligence of the Skeptics Society or otherwise.

2. I PROMISE NOT TO SUE THE SKEPTICS SOCIETY OR THE TRIP LEADERS DONALD PROTHERO AND TERESA LEVELLE FOR ANY INJURIES OCCURRING WHILE I AM PARTICIPATING IN THIS ACTIVITY:

In consideration of the Society's efforts in making this educational trip available and my being allowed to participate, I hereby agree to release, indemnify, hold harmless and forever discharge the Skeptics Society, its directors, officers, employees, editorial/advisory board and agents, as well as the trip leaders Donald Prothero and Teresa LeVelle, from any and all claims and causes of action which might be brought by me or my parents or dependents on my behalf for loss of property, personal injury or death sustained by me arising out of any travel or activity conducted during the period of my participation in the above named activity. I understand that this release covers liability claims and actions caused entirely or in part by any acts or failures to act of the Skeptics Society (or its directors, officers, employees, editorial/advisory board and agents), Donald Prothero or Teresa LeVelle including but not limited to negligence, mistake or failure to supervise by the Society or tour leaders.

3. I WILL REIMBURSE THE SKEPTICS SOCIETY OR THE TRIP LEADERS DONALD PROTHERO AND TERESA LEVELLE FOR ANY COSTS IT INCURS DUE TO INJURY OR DAMAGE RESULTING FROM MY PARTICIPATION IN THIS ACTIVITY:

I agree to indemnify the Skeptics Society, Donald Prothero or Teresa LeVelle for any loss or costs, including medical bills, court costs and attorneys' fees that it might incur due to injury or damage resulting from my participation in this activity.

4. THIS AGREEMENT WILL ALSO PREVENT MY FAMILY FROM SUING THE SKEPTICS SOCIETY OR THE TRIP LEADERS DONALD PROTHERO AND TERESA LEVELLE:

It is my intent that this Agreement shall bind the members of my family and spouse, if I am alive, and my heirs, assigns, and personal representative, if I am deceased. This Agreement shall be deemed as a release and consent not to sue regarding any claims these parties may have against the Skeptics Society or the trip leaders Donald Prothero and Teresa LeVelle relating to my participation in this activity.

5. This Agreement shall be construed in accordance with the laws of the State of California. In signing this Agreement, I acknowledge that I have read it and understand it, I agree to be legally bound by it and that I sign it voluntarily.

Participant's Signature Date Printed Name Participant/Parent/Guardian Signature Date Printed Name

IF PARTICIPANT IS UNDER EIGHTEEN (18) YEARS OF AGE, THE SIGNATURE OF A PARENT OR LEGAL

Please return this completed form to: Skeptics Society, P.O. Box 338. Altadena, CA 91001

YOUR TRIP REGISTRATION WILL NOT BE COMPLETED WITHOUT THIS FORM

JANUARY 15-17, 2011

PALOMAR, ANZA-BORREGO, SALTON SEA, AND JOSHUA TREE

SKEPTICS SOCIETY

PARTICIPANT MEDICAL INFORMATION FORM

(All participants must complete this form for high-risk activity trips. i.e. hiking, rock climbing, desert/beach trips, etc.)

Participant's Name	Birth Date
Insurance Provider	Insurance Telephone
Insurance Address	Date
Doctor's Name	Doctor's Telephone
Contact Person (in case of emergency)	Contact Person's Telephone

Please return this completed form ALONG WITH A COPY OF YOUR INSURANCE CARD to: Skeptics Society, P.O. Box 338. Altadena, CA 91001

YOUR TRIP REGISTRATION WILL NOT BE COMPLETED WITHOUT THIS FORM

