



Join us for five days and four nights as we visit Utah's world famous Bryce Canyon and Zion National Parks. With our Caltech faculty leader, Joe Kirschvink, we will explore the geology of the majestic cliffs and deep canyons of stony copper at Zion National Park, as well as the series of giant amphitheaters with millions of pink rock pinnacles called the "hoodoos" of Bryce Canyon.

THE ITINERARY

DAY ONE

Sunday, October 10th: We will leave Los Angeles in the morning for Las Vegas. We will then travel by bus through the scenic Utah countryside to Bryce Canyon Lodge. Along the way, we will stop for a picnic lunch in the Valley of Fire State Park. During our drive, Dr. Kirschvink will give us an overview of Bryce Canyon's geology and outline the next day's activities.

DAY TWO

Monday, October 11th: In the morning we will stop by the Visitor's Center for a short video on the history and creation of Bryce Canyon and the hoodoos. Joe will then lead us on a tour of one of the world's most scenic parks, Bryce Canyon. We will have a picnic lunch and will continue to explore more of the canyon through short hikes. We will arrive back at Bryce Canyon Lodge in the late afternoon with time to rest before dinner.

DAY THREE

Tuesday, October 12th: After breakfast we will depart from the Bryce area and head south to Zion National Park to view notable geological sites along the way. We will stop for another picnic lunch, and continue our journey through the multi-colored walls of sandstone and narrow canyons of Zion National Park. We'll return to our hotel, the Desert Pearl Inn, for time to enjoy the wonderful scenery before our southwestern dining experience at the Bit N' Spur.

DAY FOUR

Wednesday, October 13th: After breakfast we will travel back through Zion National Park where Joe will lead the group through narrow canyons with cascading waterfalls and hot springs. We will return to the hotel in time to rest before our farewell dinner at the Switchback, one of Zion's finest restaurants.

DAY FIVE

Thursday, October 14th: The group will depart in the morning for the two and a half hour journey to Las Vegas for the return flight to Los Angeles.

CANCELLATION POLICY

Full refunds are subject to our ability to fill your space.



Our Accommodations

We will spend the first two nights "in the park" at the historic and rustic Bryce Canyon Lodge where the rooms are set in a beautiful setting among pine trees. We'll spend the following two nights just outside the Zion Park entrance in the town of Springdale at the Desert Pearl Inn. This inn sits along a beautiful river where you can enjoy the view and the sound of water from your room!

TRIP INFORMATION

\$1,450.00 per person, single occupancy

\$1,200.00 per person, double occupancy

Tour cost includes: 4 nights accommodations, meals beginning with lunch on Sunday and ending with lunch on Thursday, transportation while with the group, and gratuities. This does not include flights to and from Las Vegas or hotel incidentals.

Important Notice: We strongly advise members to consult their physicians about medical conditions which may be affected by the high altitudes as well as short hikes at 9,000 feet above sea-level.

Space is limited, so please respond promptly by August 10, 2004.

FLIGHT INFORMATION

US Air and United Airlines both have non-stop flights from LAX to Las Vegas for a current fare of \$121.00.

Please plan your arrival no later than 9:45 AM Saturday, October 10. We will meet at a designated location at the airport. This information will be included in your confirmation materials. Please send a copy of your flight schedule to The Associates office as soon as you are ticketed.

Please fax to (626) 395-5890 or mail to Christina Yen at: The Associates, Mail Code 5-32, Pasadena, CA 91125.

TOUR AND HOTEL RESERVATIONS:

I/we would like to attend. Please make _____ reservation(s).

Please indicate preferred bed type: King 2 Queens

Total payment due with reservation:

\$1,450.00 per person, single occupancy

\$1,200.00 per person, double occupancy

TOTAL ENCLOSED: \$ _____

RESERVATION INFORMATION:

Print name for name tag

Additional name for name tag

Street Mailing Address

City, State, and Zip Code

Daytime Telephone Number AND Fax Number

Email Address

In Case of Emergency Contact AND Relationship

Emergency Contact Telephone Number

Please make check payable to the Caltech Associates and mail to the attention of Christina Yen at
The Caltech Associates, Mail Code 5-32, Pasadena, CA 91125

Our Faculty Leader

Dr. Joe Kirschvink has been a professor of Geobiology at Caltech since 1981. He completed his B.S. in Biology and M.S. in Geology at Caltech in 1975, spent one year as a Thomas J. Watson Foundation Fellow in Australia, then moved to Princeton where he received a M.A. in Geology and Ph.D. in Geology/Geobiology. More recently, he gave the Carl Sagan Memorial Lecture in 2001 at the American Geophysical Union, won the Richard P. Feynman Prize for Teaching Excellence at Caltech in 2002, and had an Astroid named in his honor last year.

Joe's research spans several different areas relating to biological evolution, with a focus on magnetism. They cover a wide variety of topics like the prediction and discovery of the magnetic field sensors in animals (including magnetite in the human brain), the "Snowball Earth," hypothesis for Precambrian glaciation, the "Methane Fuse" hypothesis for the Cambrian Explosion, and the demonstration that Martian meteorites can reach earth without heat sterilization.

In 1973, Joe began his career in geology working with the late Professor Eugene M. Shoemaker of Caltech, studying the magnetic stratigraphy of the Moenkopi Formation just west of Zion National Park. Hence, this trip is something of a return to his intellectual and academic roots.



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BRYCE AND ZION NATIONAL PARKS

THE CALTECH ASSOCIATES
PRESIDENT'S CIRCLE TRIP
WITH JOE KIRSCHVINK, PH.D.

OCTOBER 10-14, 2004