Chase America’s first total solar eclipse of the century with Mike Brown, and delve into the unique geology of the Columbia River Gorge and Mount Hood with Paul Asimow.

President's Circle

THE GREAT AMERICAN ECLIPSE

Oregon, USA

August 20–24, 2017

ITINERARY

SUNDAY, AUGUST 20
ARRIVE AT BEND/REDMOND AIRPORT

After your flight arrives, a private shuttle will transport the group to Tetherow Lodge, an upscale, boutique hotel that overlooks the majestic Cascade Range and its own award-winning golf course. During the welcome dinner, Mike Brown will prepare us for the adventure in store for the next morning.

MONDAY, AUGUST 21
ECLIPSE DAY!

After an early start, we will head north to Black Butte Ranch, within the eclipse’s path of totality. Following a serene breakfast at the Lodge Restaurant, Brown will lead the group on a stroll to a nearby clearing to perfectly position us underneath the moon's umbra to view the Great American Solar Eclipse at 10:19 a.m. Known as one of the most awe-inspiring spectacles in nature, this rare opportunity will allow us to bask in the sun's remarkable solar corona, which is only visible during brief moments of totality.

TUESDAY, AUGUST 22
OREGON’S FASCINATING GEOGRAPHY

We will travel by coach from Bend to Portland, with stops at such stunning sights as Mount Hood, the Columbia River Gorge, and Multnomah Falls. Paul Asimow will bring the rich geography of the area to life and describe the commanding landscape, which was shaped over millions of years by fire and flood, earthquakes and eruptions, and the movement of oceans and continents. We will enjoy lunch at the impressive Timberline Lodge, a National Historic Landmark perched 6,000 feet up Mount Hood. Made of massive timbers and local stone, the lodge was built during the Great Depression through the WPA program. It also served as the exterior for the Overlook Hotel in the movie *The Shining*. Breathtaking river views will greet us at our next overnight stop, the Red Lion Hotel on the River–Jantzen Beach.

WEDNESDAY, AUGUST 23
EXPLORE PORTLAND

We will explore Oregon’s largest city, which sits on the Columbia and Willamette Rivers, in the shadow of Mount Hood. Portland is known for its natural beauty, parks, bridges, and bicycle paths, as well as its eco-friendliness, microbreweries, and coffeehouses. After we take in the vibrant and quirky Portland culture, a farewell dinner at Clarklewis will conclude our Oregonian adventure. This bustling eatery features upscale yet rustic cuisine showcasing seasonal, local, and organic ingredients.

THURSDAY, AUGUST 24
DEPARTURES

Following breakfast, the group will travel by private shuttle for departure flights from Portland International Airport (PDX).

The itinerary is subject to change, depending upon the availability of our hosts or certain events.
FACULTY LEADERS

PAUL ASIMOW investigates the melting and crystallization of rocks and the influence of magmatic processes on the interiors of terrestrial planets, mostly Earth. His research combines thermodynamic and quantum modeling, experimental investigation by static and shockwave techniques, and analysis of rocks from the world's oceans. Asimow joined the Caltech faculty in 1999 and is the Eleanor and John R. McMillan Professor of Geology and Geochemistry.

MIKE BROWN specializes in the discovery and study of bodies at the edge of the solar system. His scientific accomplishments include the recent once-in-a-century prediction of a new planet in our solar system, called Planet Nine, and the detection of Eris, the most massive object found in the solar system in 150 years—a breakthrough that eventually led to the demotion of Pluto to a dwarf planet. Brown has been on the Caltech faculty since 1996 and is the Richard and Barbara Rosenberg Professor and professor of planetary astronomy.

PROGRAM COST

Rates are per person, based on double occupancy

**$3,500**

$750 single supplement

*This trip has a limited capacity, and we recommend making your reservations by the RSVP deadline below.*

RSVP by September 14, 2016, online at associates.caltech.edu/eclipseRSVP or by contacting Ruby Rico at (626) 395-6392. Please note: Due to the popularity of the eclipse event, an early RSVP deadline is required in order to make advance travel reservations.

**Included**

- Four nights' accommodations
- Meals and beverages as listed in itinerary
- Admission to tours
- Gratuities for hotels, meals, and tours
- Private arrival and departure transportation for those traveling on suggested flights
- Land transportation

**Not Included**

- Airfare to Bend and from Portland airport
- Transfers to and from home airport
- Any travel-related insurance (We recommend purchasing travel insurance to protect against unforeseen circumstances)

FOR MORE INFORMATION

Contact Megan Schmid, Associate Director for the Caltech Associates, at megans@caltech.edu or (626) 395-4644.

Deposit, Cancellation & Refund Policy

Deposit of $1,000 per person is required by Sept. 19, 2016. If you must cancel your reservation, your fee will be applied as follows:

- After Sept. 23, 2016: 100 percent of the deposit is forfeited
- After Apr. 20, 2017: Full trip cost is non-refundable

Recommended Flights from Los Angeles


Thursday, Aug. 24, 2017: American Airlines Flight #TBD Depart PDX 11:40 AM • Arrive LAX 1:59 PM

TOTAL SOLAR ECLIPSE

Millions of Americans will see the sight of a lifetime on August 21, 2017, when a rare total solar eclipse sweeps the nation from Oregon to South Carolina. We will be among the few who will be perfectly positioned in the path of the moon's umbra to see day turn to night and the sky's most beautiful spectacle, the sun's corona, reveal itself in grandeur.

The sun's 864,000-mile diameter is fully 400 times greater than that of our moon, which measures only about 2,160 miles, and the moon also happens to be about 400 times closer to Earth than the sun is. As a result, when the orbital planes intersect and the distances align favorably, the new moon can appear to completely blot out the disk of the sun. The moon casts its umbra on Earth's surface and that shadow can sweep a third of the way around the planet in just a few hours. We on Earth occupy a celestial sweet spot to witness this sight.

MOUNT HOOD

The fourth-highest mountain in the western United States, Mount Hood is the highest point in Oregon at 11,249 feet, and its snowy peak is crowned by 11 glaciers. It was named for the famed British naval officer Alexander Arthur Hood and is a stratovolcano made of lava flows, domes, and volcaniclastic deposits. The main cone of Mount Hood formed about 500,000 years ago, and in the last 15,000 years the volcano has had four eruptive periods. During the most recent eruptive period, 180-250 years ago, lava domes collapsed and produced numerous pyroclastic flows and lahars, which buried the southwest flank of the mountain.

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Celebrating 90 years, 1926–2016

www.associates.caltech.edu