

Carleton College

ALUMNI ADVENTURES

Explore the world

HAWAII

WORLD-CLASS OBSERVATORIES & NATURAL WONDERS

November 29–December 7, 2016



WITH **Joel Weisberg**, Professor of Physics and Astronomy and the Natural Sciences, and **Sidney C. Wolff** '62 H'85, past president of LSST (Large Synoptic Survey Telescope) Corp.



Dear Carleton College Alumni & Friends,

FROM THE SKIES ABOVE TO THE OCEAN DEPTHS, HAWAII IS A MAGICAL PLACE TO MARVEL AT THE WONDERS OF PLANET EARTH.

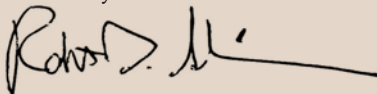
I invite you to join **Joel Weisberg**, Carleton's Herman and Gertrude Mosier Stark Professor of Physics and Astronomy and the Natural Sciences, and **Sidney Wolff '62 H'85**, past president of the LSST (Large Synoptic Survey Telescope) Corp., on this exclusive Carleton exploration of Maui and the Big Island.

Star-gazers have long flocked to Hawaii's volcanic mountaintops to probe the heavens: the skies are dark, the air is clean, the weather is good, and the equatorial location is an important astronomical reference point. Thanks to our Carleton leaders, **enjoy special access to some of Hawaii's observatories and research facilities**, particularly at the Mauna Kea Observatory Complex on the Big Island and at the summit of Haleakala on Maui, where an array of astronomical cameras, telescopes, and computing facilities searches the sky for new asteroids, comets, variable stars, and other celestial objects. Also visit the Imiloa Astronomy Center's fascinating exhibitions relating to astronomy and the adventures of early Polynesian seafarers, who relied on their celestial navigation skills to navigate from Polynesia to Hawaii more than 1,000 years ago.

We will have plenty of time to **explore the many natural wonders of Hawaii**. Join Joel Weisberg on clear evenings for naked-eye stargazing sessions. Learn about the islands' teeming tropical marine life on a whale-watching cruise during the humpback whale migration and a tour of the Maui Ocean Center. Observe the ongoing forces that continue to shape the islands during a volcanologist-led excursion to Kilauea volcano. Enjoy easy walks with local naturalists to view thundering waterfalls and unspoiled panoramas as you search for forest birds and diverse endemic plants such as Silversword and Sandalwood.

This exclusive tour is limited to 20 travelers, so I encourage you to reserve your place as soon as possible. If you have any questions or wish to make a reservation, please contact the Carleton College Alumni Adventures office at **(800) 811-7244** or **carleton@studytours.org**.

Sincerely,



Robert D. Smulian, Class of '78

President, Carleton College Alumni Association



Please visit go.carleton.edu/adventures for details and updates on all of our programs.

Marvel at the lava fields in Volcanoes National Park and keep an eye out for the rare P'iwi bird (ABOVE).



STUDY LEADERS



SIDNEY C. WOLFF '62 H'85

most recently served as president of LSST Corporation,

which aims to advance research and education by collaborating in the construction and operation of the Large Synoptic Survey Telescope (LSST) system. The first woman to direct a major U.S. Observatory (Kitt Peak), she played a leadership role in the development of Mauna Kea, now the premier astronomical site in the northern hemisphere, and was the first director of the international project that built the two state-of-the-art Gemini telescopes, one in Hawaii and the other in Chile. Sidney served on the Carleton College Board of Trustees for 24 years.



JOEL WEISBERG is the Herman and Gertrude Mosier Stark Professor of Physics and Astronomy and

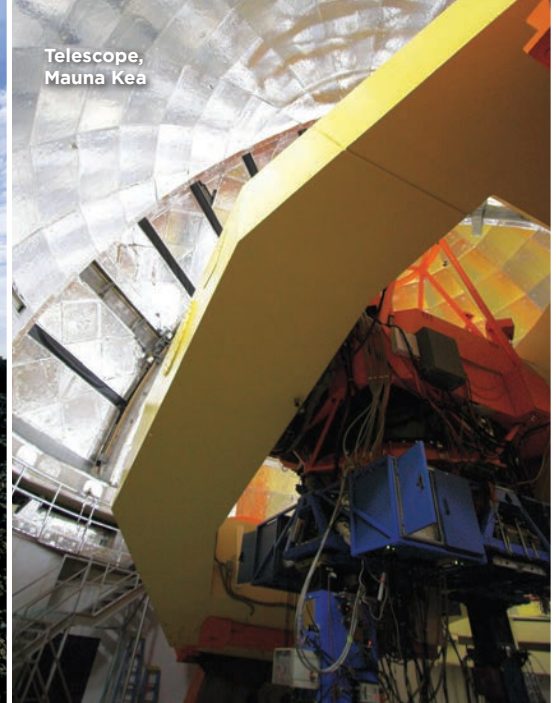
the Natural Sciences at Carleton College. His research is in the area of radio astronomy, particularly in the study of pulsars. Joel teaches astronomy, astrophysics, and physics courses, and has taught several multidisciplinary courses in the areas of environmental and technology studies and in science policy. He maintains several research positions for students, often enabling them to travel to various radio observatories. Joel and several students built the small Sogn Valley (Minnesota) Radio Astronomy Observatory in the mid-1980s using amateur equipment. He loves to share sunsets and the night sky with others, and has done so on numerous other alumni journeys.



View from Mauna Kea



SILVERSWORD



Telescope, Mauna Kea

ITINERARY



Visit the observatories atop Mauna Kea, where powerful instruments look deep into the mysteries of the universe. Enjoy the diversity of Hawaii's landscapes, from the paradisiacal Kona coast and Big Island waterfalls to otherworldly Haleakala National Park. Marvel at the diversity of flora and fauna, including plumeria and Silverword plants; humpback whales, colorful fish, and green sea turtles; and native birds.

TUESDAY, NOVEMBER 29

Home ■ Kahului, Maui

Fly to Maui and transfer to our hotel on the west coast of Maui at the base of Haleakala. Enjoy an evening welcome reception and dinner.

WAILEA BEACH MARRIOTT RESORT & SPA (R,D)

on the sun that are more than 18 miles across. After lunch in Makawao, return to the hotel to relax and enjoy the resort facilities, walk on the beach, or swim in the ocean or pool.

WAILEA BEACH MARRIOTT RESORT & SPA (B,L)

WEDNESDAY, NOVEMBER 30

Wailea

Join a whale-watching cruise along the shoreline of Maui with the Pacific Whale Foundation to observe humpback whales that migrate from Alaska to Hawaii each winter. Also enjoy a private tour of the Maui Ocean Center, a three-acre tropical reef aquarium and marine science center with thousands of marine species that can be viewed in living coral reefs.

WAILEA BEACH MARRIOTT RESORT & SPA (B,L)

FRIDAY, DECEMBER 2

Maui ■ Hilo, Hawaii

Fly from Maui to the Big Island of Hawaii. During a curator-guided tour of the Imlilo Astronomy Center, explore exhibits dedicated to the integration of astronomy, exploration, and cultural traditions. Drive from sea level to Hawaii Volcanoes National Park at 4,000 feet, observing the dramatic change in botanic and volcanic scenery. Check in to our lodge in the village of Volcano. KILAUEA LODGE (B,L,D)



THURSDAY, DECEMBER 1

Wailea

This morning explore Haleakala National Park, searching for native birds and endemic plants such as Silverword and Sandalwood. At the summit of Haleakala, enjoy an exclusive behind-the-scenes visit (permission pending) to the Daniel K. Inoué Solar Telescope (DKIST), a large, domed, solar telescope facility constructed by the National Solar Observatory atop the volcano. The site was selected for its clear day-time atmospheric viewing conditions, which will enable study of the solar corona using a 13-foot-diameter solar telescope capable of observing objects

SATURDAY, DECEMBER 3

Hawaii Volcanoes National Park

Accompanied by a local geologist, explore Hawaii Volcanoes National Park, including Steaming Bluff, Kilauea Visitor Center, Jaggar Museum, and Thurston Lava Tube. Drive down the Chain of Craters Road, noting the pioneer plants colonizing the huge lava-draped mountainsides. At nightfall, observe the glow of molten lava in Halemaumau Caldera and the starry skies above. KILAUEA LODGE (B,L)

Kona coast



Humpback whale



PROGRAM RATES

(per person)

Double Occupancy \$5,995

Single Supplement \$1,295

AIRFARE Airfare from home to Kahului, Maui, and return from Kona, Hawaii, is not included. The on-tour flight from Maui to Hilo is included in the program cost. Information about making flight arrangements will be sent to all participants.

PROGRAM RATES INCLUDE

Educational program by Carleton College study leaders and local experts
 ■ All accommodations and meals as outlined in the itinerary (B=breakfast, L=lunch, R=reception, D=dinner)
 ■ All ground transportation for the itinerary presented in this brochure
 ■ On-tour flight from Maui to Hilo
 ■ All excursions as specified in the itinerary
 ■ Entrance fees, airport and hotel taxes, and gratuities to housekeeping, porters, escorts, drivers, and guides
 ■ Welcome and farewell wine receptions
 ■ Bottled water on motor coaches
 ■ Group arrival and departure transfers by motorcoach
 ■ Baggage handling for one checked piece and one carry-on piece per person
 ■ Pre-departure materials, including travel information
 ■ Professional tour manager

WHAT TO EXPECT The weather in December will be pleasant, with average daytime temperatures in the upper 70s F and a slight chance of rain. Temperature variations in Hawaii are largely elevation-based, with higher elevations noticeably cooler than at sea level. Evening temperatures on the summit of Mauna Kea are in the low 30s F. Precipitation varies greatly throughout the islands, even at similar elevations.

This is a moderately active program that includes a few walks of up to one mile on sometimes muddy and uneven terrain, and being outdoors for several hours at a time in the warm tropical sun. Anyone with difficulty walking, or with a medical problem that might be adversely affected by high altitudes (elev. 13,796 on Mauna Kea), should not consider this program.

SUNDAY, DECEMBER 4

South Kohala Coast

Descend Kilauea Volcano toward Ka Lae, the southernmost point in the United States. In Punalu'u visit a black-sand beach to observe green sea turtles. Continue along the scenic Kona coast, stopping for a typical Hawaiian lunch at the Manago Hotel overlooking Kealakekua Bay. This afternoon arrive at our beautiful hotel, set amidst tropical gardens, lava formations, and white-sand beaches on the South Kohala Coast.

MAUNA LANI BAY HOTEL & BUNGALOWS (B,L)



MONDAY, DECEMBER 5

South Kohala Coast

Board four-wheel-drive vehicles for the ascent to the Observatory Complex at the 13,796-foot summit of Mauna Kea. Enjoy a private guided tour (permission pending) of one of the telescopes at the summit. Descend to 9,000 feet for stargazing through powerful 11-inch Celestron Schmidt-Cassegrain telescopes near the Visitor Information Station.

MAUNA LANI BAY HOTEL & BUNGALOWS (B,L,D)

TUESDAY, DECEMBER 6

South Kohala Coast

Enjoy a backcountry excursion in the heart of the North Kohala countryside, with its dramatic cliffs and valleys, on the windward side of the island.

Explore the extraordinary natural history on easy walks that include a series of waterfalls and magnificent views. This evening, celebrate the adventure at a festive farewell reception and dinner.

MAUNA LANI BAY HOTEL & BUNGALOWS (B,L,R,D)

WEDNESDAY, DECEMBER 7

Kona ■ Home

Transfer to the airport in Kona for your flight home. (B)

The summit of Mauna Kea is almost halfway out of the Earth's atmosphere and provides one of the clearest views of the skies on the planet.



GENERAL INFORMATION

PROGRAM RATES DO NOT INCLUDE

Airfare between home and the Hawaiian Islands • Medical expenses and immunizations • Arrival and departure transfers/ baggage handling for those traveling independently of the designated schedule • Optional excursions or deviations from the scheduled tour • Excess baggage charges • Travel and trip cancellation insurance • Meals not specified in the itinerary; food and beverages not part of the included meal • Personal items such as telephone and fax calls, laundry, room service, alcoholic or other beverages not specified as included • Gratuities for non-group services • Other items of a personal nature

A NOTE ABOUT COSTS

Tour costs are based upon current airfares, fuel prices, taxes, tariffs, and a minimum number of participants. While we will do everything possible to maintain the listed prices, they are subject to change. If there are significant changes, details and costs will be advised prior to departure.

TRAVEL INSURANCE

Trip cancellation/interruption, medical, emergency medical evacuation, and baggage insurance are highly recommended and should be considered for your protection. An application will be sent to confirmed participants.

GROUP SIZE This program is limited to 20 participants.

TERMS & CONDITIONS

RESERVATIONS & PAYMENTS

A deposit of \$1,000 per person is required to confirm a reservation. You may reserve space immediately by calling Carleton College Alumni Adventures at (800) 811-7244. Or you may send the completed reservation form with your deposit payment (check, payable to **Criterion Travel**, or credit card information) to Carleton College Alumni Adventures, P.O. Box 938, 47 Main Street, Suite One, Walpole, NH 03608. Final payment deadline is August 1, 2016, and can be made by check or credit card.

CANCELLATIONS & REFUNDS

Refunds, less a cancellation fee of \$500 per person, will be made if Carleton College Alumni Adventures is notified on or before August 1, 2016, 120 days prior to departure. No refunds will be granted after that date. All cancellations must be in writing. Refunds cannot be made to passengers who do not complete the tour for any reason at all. We reserve the right to require any participant to withdraw from a tour at any time at his/her own expense, when such action is determined by tour staff to be in the best interest of the health, safety, or general welfare of the tour group or the individual participant, and subject only to the requirement that the recoverable portion of the tour price that corresponds to the cost of unused services and accommodation be refunded, if any.

ITINERARY CHANGES The itinerary presented for this tour is subject to modification and change by Carleton College Alumni Adventures and Criterion Travel. Every reasonable effort will be made to operate the program as planned; however, should unfavorable weather and/or unforeseen world events and conditions require the itinerary to be altered, Carleton College Alumni Adventures and Criterion Travel reserve the right to do so for the safety and best interest of the group. Any extra expenses incurred in this situation are the responsibility of the participant.

RESPONSIBILITY Complete Terms & Conditions will be sent to participants upon confirmation and are available to prospective travelers upon request. As a condition of participation, each passenger will be required to sign a Release of Liability, which will be sent along with the Terms & Conditions.

California Seller of Travel Program
CST #2088800-40

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RESERVATION FORM

Volcanic crater,
Haleakala

HAWAII November 29–December 7, 2016

To reserve your space, please complete this form and send it to: Carleton College Alumni Adventures, P.O. Box 938, 47 Main Street, Suite One, Walpole, NH 03608. Deposit checks should be made **payable to Criterion Travel**. You may also call Carleton College Alumni Adventures at 800-811-7244 or (toll) 603-756-4844. Fax: 603-756-2922. Email: carleton@studytours.org. Website: go.carleton.edu/adventures.

CONTACT INFORMATION (please print)

NAME #1 _____ CARLETON CLASS _____

NAME #2 _____ CARLETON CLASS _____

STREET ADDRESS _____

CITY / STATE / ZIP _____

HOME PHONE _____ BUSINESS PHONE _____

FAX _____ E-MAIL _____

PAYMENT INFORMATION

Enclosed is my check for \$ _____ (\$1,000 per person **payable to Criterion Travel**), to reserve _____ place(s) on *Hawaii*.

OR

Charge the deposit to: VISA MC AMEX DISCOVER

NAME ON CREDIT CARD _____ CREDIT CARD # _____

CARDHOLDER SIGNATURE _____ EXP. DATE _____ SECURITY CODE _____

ACCOMMODATIONS

Bed preference in hotels (not guaranteed): KING/QUEEN TWINS

SINGLE TRAVELERS (choose one)

I prefer to have single accommodations.

I will share accommodations with: _____

I am willing to share with another participant (not guaranteed).

I am a Smoker / Non-smoker. *I understand that if a roommate cannot be found by the final payment deadline of August 1, 2016, I will pay the single rate.*

I/We have read the Terms and Conditions section of this brochure and understand and agree with them as stated herein.

SIGNATURE _____ DATE _____

SIGNATURE _____ DATE _____



Nene



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Highlights

Enjoy special access at some of Hawaii's **RENOWNED OBSERVATORIES** on the summits of Mauna Kea and Haleakala.

Relax in three of the diverse environments that comprise Hawaii—**TWO PREMIER RESORTS** set on white sand beaches and a mountain lodge just outside Hawaii Volcanoes National Park.

Experience Hawaii's unique natural history, including a **WHALE-WATCHING** cruise during the migration season for humpback whales and an excursion to the ongoing volcanic activity of **KILAUEA VOLCANO**.

HAWAII

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Thurston
Lava Tube