TOTAL SOLAR ECLIPSE 
in AUSTRALIA

Aboard Caledonian Sky • April 12–25, 2023
With Carleton Professor Emeritus Joel Weisberg
DEAR TRAVELER,

I invite you to join Joel Weisberg, Carleton’s Herman and Gertrude Mosier Stark Professor of Physics and Astronomy and the Natural Sciences, Emeritus, to witness the April 20, 2023 Total Solar Eclipse from the best possible vantage point, directly on the centerline, as the brilliance of the Coral Coast is plunged into darkness.

Cruise for ten nights down the coast of western Australia, home to some of the darkest skies in the world, allowing us to plan for incredible stargazing of the Southern Skies each evening from the ease and comfort of the ship’s top deck. Experience the variety of dazzling landscapes of western Australia’s colorful Coral Coast, home to white sand beaches, oceans with azure blue hues, rugged red outback desert, and the world’s longest fringing reef. Encounter an abundance of wildlife—rare birds, land animals, and marine life—including a chance to swim with mighty whale sharks and manta rays. This region also boasts a rich Indigenous cultural heritage. During a day on the Burrup Peninsula, an area under consideration as a World Heritage listing, travelers can view a wealth of ancient rock petroglyph carvings in the company of Indigenous guides.

Professor Weisberg is part of a team of onboard experts who will offer a series of illustrated lectures and informal discussions along the way. In addition, a ten-member expedition team will provide valuable insights and lead Zodiac and snorkeling excursions to allow guests to get close to the action and step ashore in remote locations.

This program is limited to only 94 travelers and is co-sponsored by other organizations, so I urge you to reserve your preferred cabin today. Call Alumni Adventures at (800) 811-7244 or email carleton@studytours.org.

Sincerely,

Amy Bevilacqua ’89
President, Carleton Alumni Council
FACULTY LEADER

Joel Weisberg is the Herman and Gertrude Mosier Stark Professor of Physics and Astronomy and the Natural Sciences, Emeritus, at Carleton College. He taught astronomy and physics courses, and also taught several multidisciplinary courses in the areas of environmental and technology studies and in science policy. Joel loves to share sunsets, the night sky, solar eclipses, and modern astronomy with others. He has done so on numerous other alumni journeys, including tours in the southwestern U.S., Oregon, Hawaii, Chile, Turkey, and Mexico. Joel's research is in the area of radio astronomy, particularly in the study of pulsars, which are rapidly spinning neutron stars the size of Northfield containing more mass than the Sun. Since Australia has some of the finest radio astronomers and radiotelescopes in the world, he has brought numerous Carleton students to do month-long pulsar research missions with his collaborators there. Joel has co-authored 68 scientific articles with colleagues across the world and with Carleton students, and continues to work with some of them.

HIGHLIGHTS

♦ Witness the April 20, 2023 Total Solar Eclipse from the best possible vantage point as the brilliance of the Coral Coast is plunged into darkness and be amazed as the changing light and sharpening shadows highlight Western Australia's beauty.

♦ Cruise for 10 nights down the coast of Western Australia, home to some of the darkest skies in the world, allowing us to plan for incredible stargazing of the Southern Skies each evening from the ease and comfort of the ship's top deck.

♦ Snorkel pristine and rarely visited Rowley Shoals, the remarkable reefs of Muiron Islands, and the teeming coral gardens of Coral Bay.

♦ Encounter an abundance of wildlife—rare birds, land animals and marine life—including mighty whale sharks and manta rays, two of the world's largest harmless fish.

♦ Engage with Indigenous Australians and learn about the world's oldest living culture during visits to sacred Aboriginal sites in Shark Bay and the Burrup Peninsula, home to incredible petroglyphs soon to be designated a World Heritage Site.

Please note: Ideal weather conditions and cloud conditions for viewing the eclipse can change and are not guaranteed.
**ITINERARY**

**WEDNESDAY–THURSDAY, APRIL 12–13**

**Home / Sydney, Australia**

Depart home and fly across the International Date Line to Sydney.

**FRIDAY, APRIL 14**

**Arrive Sydney**

Upon arrival, transfer to the hotel to rest and recover from your travels. Optional afternoon tours are available before gathering for a welcome orientation and reception.

**SATURDAY, APRIL 15**

**Broome**

Return to the airport for the five-hour flight to Western Australia’s Kimberly region. Enjoy an orientation tour of Broome, a popular coastal retreat for Australians, before boarding the Caledonian Sky, our home for the next ten nights.

**SUNDAY, APRIL 16**

**Rowley Shoals**

Enjoy a full day in Rowley Shoals Marine Park, an incredible area made up of three coral atolls believed to have formed more than 10 million years ago. Explore pristine Mermaid Reef, home to more than 200 species of hard coral. Tonight, gather on deck for the first of our nightly stargazing sessions led by our onboard astronomer.

**MONDAY, APRIL 17**

**Burrup Peninsula**

Explore the unique Burrup Peninsula, home to the world’s richest site of prehistoric Aboriginal rock art, with some petroglyphs as old as 40,000 years. As an option (at extra expense), swap the water for the open skies on a scenic helicopter flight over the spectacular Dampier Archipelago.

**TUESDAY, APRIL 18**

**Montebello Islands**

The “Montes,” an archipelago of more than 250 islands, are a bird watcher’s paradise. Explore by Zodiac and step ashore on one of the beautiful beaches for a chance to spot the rare rufous hare-wallaby and lagoon rays in the tidal pools.

**WEDNESDAY, APRIL 19**

**Muiron Islands**

On the eve of the total solar eclipse, hear from our experts and prepare for tomorrow’s main event. Arrive in the Muiron Islands, where vibrantly colored soft corals can be found in abundance, and the waters are perfect for snorkeling. Keep an eye out for turtles who love the soft corals here.

**THURSDAY, APRIL 20**

**Ningaloo Reef Marine Park / Eclipse Day**

Anchor off the coast of Exmouth on the centerline to observe and celebrate today’s total solar eclipse, away from the mobs of eclipse-goers on land. Also, enjoy a chance to snorkel the World Heritage-listed Ningaloo Reef Marine Park, home to numerous marine species, including enormous whale sharks.

**FRIDAY, APRIL 21**

**Ningaloo Reef Marine Park / Coral Bay**

Watch for marine life as we cruise toward the southern edge of the Ningaloo Reef. Reach Coral Bay, named for its beautiful coral gardens, which lie mere feet from its white sandy beach. Choose between a Zodiac safari in search of manta rays and sea turtles, snorkelling through the coral, or...
going ashore for time on the beach.

**CALEDONIAN SKY (B,L,D)**

**SATURDAY, APRIL 22**

**Monkey Mia / Shark Bay**

Zodiac ashore for a ranger-led feeding encounter with the wild dolphins of Monkey Mia. Cruise to the turquoise waters of Shark Bay, where sheltered lagoons and beds of seagrass provide the perfect habitat for dugongs, sea turtles, whales, dolphins, rays, and sharks. Gain an indigenous perspective of the area with descendants of the Malgana, one of three Aboriginal groups of Gutharraguda (the Malgana name for Shark Bay).

**CALEDONIAN SKY (B,L,D)**

**SUNDAY, APRIL 23**

**Geraldton / Kalbarri National Park**

Explore Kalbarri and its surrounding areas, starting with the mighty Murchison River. Continue to Kalbarri National Park, home to towering rock formations, deep gorges, and rolling sandplains. Choose from a variety of hikes for all levels.

**CALEDONIAN SKY (B,L,D)**

**MONDAY, APRIL 24**

**Abrolhos Islands**

Board Zodiacs for an in-depth discovery of the Abrolhos Islands, rich in maritime history, and an ideal habitat for large breeding colonies of sea birds, with more than 90 species identified. Also, keep watch for sea lions, dolphins, and migratory whales. Gather this evening for a special captain's farewell reception and dinner.

**CALEDONIAN SKY (B,L,R,D)**

**TUESDAY, APRIL 25**

**Perth / Home**

Disembark in Perth, the capital of Western Australia. Transfer to the airport for morning flights home, or for those with later flights, attend a privately guided tour of the Perth Observatory, in operation for 125 years.

**(B)**
The MS Caledonian Sky offers the perfect balance between a premier expedition ship and a boutique vessel, hosting a maximum of just 99 guests, served by 75 crew. All cabins have an ocean view, en-suite bathroom, spacious wardrobe or walk-in closet, safe, minibar, individually controlled heat/air-conditioning, flat-screen television, and sitting area with sofa. Twenty-three of the suites feature private balconies. An elevator services all passenger cabin decks. The ship’s amenities include two lounges with bar service, library, gym, hairdresser, laundry service, and gift shop. The onboard chefs prepare international meals and regional specialties served in a single open seating. Complimentary beverages—alcoholic and non-alcoholic—are served all day, including regional beer and wine.

### PROGRAM RATES (PER PERSON)

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<th>Category</th>
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<tr>
<td><strong>A</strong> STANDARD SUITE FORWARD</td>
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<td><strong>F</strong> PREMIUM BALCONY SUITE</td>
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<tr>
<td><strong>G</strong> OWNER’S BALCONY SUITE</td>
<td>$24,990</td>
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### GENERAL INFORMATION

**WHAT TO EXPECT**

This is a moderately active trip for travelers who are flexible, comfortable traveling with a group, and can handle the vagaries of travel with good humor. Navigating uneven terrain and standing for up to two hours at outdoor sites are the most strenuous activities. Travelers must be able to board the ship via a metal gangplank with rope handrails. If the tour manager decides that a participant cannot visit a site safely or in a timely manner, their judgment will be final. Where possible, an alternate activity may be suggested; additional costs may apply. SARS-COV-2 (COVID-19) vaccinations are required for all participants as well as additional protocols and procedures will be communicated in pre-trip documents. All participants will be required to follow safety/sanitization protocols set forth by Carleton Alumni Adventures or Criterion Travel, local staff, and host country laws. Please note: Ideal weather conditions and cloud conditions for viewing the eclipse can change and are not guaranteed.

**INSURANCE**

Travel insurance for trip cancellation and interruption, medical problems, baggage loss and delay, etc., is highly recommended. Cancellation policies that apply to this expedition are included in this brochure. Information about travel insurance will be sent to confirmed participants.

**AIR ARRANGEMENTS**

U.S. domestic and international airfare is not included in the program rates. Valerie Wilson Travel, Inc., can help with airline arrangements for this trip and can be reached at 877-376-1754. You are also welcome to book your air transportation through your local travel agent, an online travel site, or the airline of your choice. Further information about making flight arrangements will be sent to confirmed participants.

**INSURANCE**

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