Dear Members & Friends:

In 2013, we invite you to enjoy one of the world’s greatest voyages—the famed Atlantic Crossing—and to see the Total Solar Eclipse in the mid-Atlantic on November 3, 2013! This will truly be a journey of a lifetime!

Our trip will begin with flights to Madrid and Malaga on Spain’s popular Costa del Sol where we will board the 170 passenger, 360 foot Tall Ship Star Flyer on which we will sail to ports in Morocco, Spain, Madeira, and the Canaries, and then sail in the paths of the great navigators across the Atlantic!

After we board Star Flyer, we will first cross the Strait of Gibraltar to Tangier, Morocco, for a chance to explore the medina (old town) of the Tetouan World Heritage Site in the Rif Mountains. We will then sail to Cadiz (where Columbus departed on Voyages 2 and 4), for a visit to the Royal Astronomical Observatory, established in the 18th century to ensure Naval Officers had a thorough knowledge of astronomy, the science so necessary for navigation.

We will then sail to the Portuguese Island of Madeira, which is famous for its wine (and near where Christopher Columbus and his wealthy Portuguese wife resided on the private island of Porto Santo). Here he learned about other navigators’ explorations into the Atlantic in search of new islands which fueled his dreams of sailing across the Atlantic in search of Asia. He eventually convinced the Spanish monarchs to support his trip.

In Las Palmas, Grand Canary Island, we will see the house of Christopher Columbus and the Museo Canario, the finest museum of prehistoric collections in Spain.

After a gala celebration on deck, we will depart in the historic path of Columbus across the Atlantic. For seven days, we will follow the Canary Current from Las Palmas to the mid-Atlantic to approximately 18° 16’0" N Latitude and 39° 19’ 4" W Longitude, where Star Flyer will position in advance of the Eclipse. We will then see the Total Solar Eclipse as it crosses the Atlantic and heads to Central Africa!

Leading the expedition will be Bob Nansen, popular leader of many Planetary Society Eclipse and Aurora Expeditions.

Our on-board historian will explore the “Age of Exploration and Discovery” and put our voyage and observing the Eclipse into a historical perspective. There will also be fascinating astronomical lectures.

We invite you to join us for what will likely be the greatest journey of our lifetimes, as it was for Columbus!

Sincerely,

[Signature]
Margaret M. Betchart, President
Betchart Expeditions Inc.
For AAAS Travels, Sigma Xi & ACS Expeditions
ITINERARY

Day 1  New York or Miami to Madrid

Expedition members depart New York or Miami on a nonstop flight to Madrid, Spain.

Day 2  Madrid to Malaga & board the Star Flyer

Arrive Madrid and take a connecting flight to Malaga, on Spain’s Costa del Sol. Transfer to the Star Flyer. Enjoy a buffet dinner. Then be on deck when they raise the sails and we get underway!

Day 3  Tangier & Tetouan Medina

World Heritage Site

After breakfast, gather on deck to enjoy the Mediterranean crossing Malaga to Tangier on the Strait of Gibraltar. We will have a safety drill and lunch and then disembark in Tangier. One sightseeing option is a scenic adventure to Tetouan in the Rif Mountains. It is a fascinating UNESCO World Heritage Site. We will enter at the Gate of the Winds and then explore the medina and ‘ville nouvelle.’ This evening, sail to Cadiz, Spain.

Day 4  Cadiz—Royal Astronomical Observatory

We will disembark in Cadiz, Spain, one of the oldest cities in Europe, founded by the Phoenicians and a popular port with the Romans. Columbus’ second and fourth voyages sailed from Cadiz, and returned with fantastic riches from the Americas. Cadiz became the richest and most cosmopolitan city in Spain in the 18th century. The Royal Naval Institute and Observatory was constructed at this time to ensure Naval officers had a thorough knowledge of astronomy. Today, you may take an optional excursion to the Observatory or to Seville.

Days 5/6  At Sea en route to Madeira

For two days, we will sail to the Portuguese Island of Madeira. During our voyage, we will begin our lecture program on great voyages of discovery. We will also have an introduction to astronomy and navigation, and to the unique plants of Madeira and the Canaries.

Day 7  Madeira—Botanical Garden by Cable Car

At mid-day we will arrive in Funchal, Madeira for an afternoon to explore Funchal, or join an optional excursion to taste the world famous Madeira Wine, and to explore the village of Monte at 1,677 feet. You can then take the cable car to the Botanical Gardens to see plants endemic to Madeira and that originated in South America.

Day 8  At Sea en route to Grand Canary Island

Today, we will sail from Madeira to the Canary Islands, situated off the coast of West Africa. The Canaries were originally populated by wild dogs (in Latin, ‘Canariae insularis’—island of dogs). Later the islands gave their name to the song birds we call canaries. Today our lecturers will discuss the heritage and natural wonders of the Canary Islands.

Day 9  Las Palmas, Grand Canary Island

We will arrive in Las Palmas this morning, and will have the day to explore this bustling heart of the Canary Islands. Within walking distance of the dock is Christopher Columbus’ house, which is now a museum, and the Museo Canario, which is the largest museum of Canary Island pre-Hispanic heritage and culture. This afternoon do your last minute purchases before we set sail on the Atlantic Crossing. We will have a festive send-off on deck in celebration!

PATH OF THE TOTAL SOLAR ECLIPSE
November 3, 2013

Day 10/16 Atlantic Crossing, Canaries to Las Palmas

Crossing, Canaries to Las Palmas, Grand Canary Island

For the next several days, we’ll intersect the eclipse path at approximately 16°04' W Longitude, where the depression of the Moon is so great that it produces a larger phenomenon called the “Diamond Ring.” Sometimes the depression of the Moon is so great that it slowly advance to block all of the Sun’s direct rays. The total solar eclipse and a ‘ring of fire’ will be produced. This is a rare event and can only be seen with eclipse-viewing glasses. Everyone grab your glasses, and we will see the magical phenomenon. Yes!

Days 18/23  Atlantic Crossing, Canaries to Las Palmas

On August 3, 1492 he set off from Palos, Spain to the Canaries, then across the Atlantic. After 2 1/2 month they made their first landing in the New World. They were thrilled by their discoveries and gathered new foods, native people, and supplies for the return journey to Europe.

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Columbus’ second voyage departed Cadiz with 17 ships, 1,000 sailors, and returned with a substantial cargo of riches. On Columbus’ third voyage he returned in iron because of his mismanagement, cruelty to the natives, and disputes with his officers.

This fourth voyage took him to the far western side of the Caribbean. In Jamaica he predicted the gods would take away the Moon. On February 29, 1504, the Moon was eclipsed by the shadow of the Earth, thus showing the strength of Columbus to the native people.

CHRISTOPHER COLUMBUS
Voyages of Discovery, 1492–1504

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constructed at this time to ensure Naval officers had a fantastic riches from the Americas. Cadiz became the popular port with the Romans. Columbus' second and then disembark in Tangier. One sightseeing option and we get underway!

Enjoy a nonstop flight to Madrid, Spain.

On August 3, 1492 he set off from Palos, Spain to the Atlantic Crossing. We will have a festive send-off afternoon do your last minute purchases before we set sail on the Atlantic Crossing. We will look for special phenomena of the Eclipse. As the Moon slowly comes between the Sun and the Earth, you will see the dark crescent of the Moon cross the Sun and slowly advance to block all of the Sun's direct rays. The sunlight passes through craggy surface features of the Moon, and may create a phenomenon called "Baily's Beads." Sometimes the depression of the Moon is so great that it produces a larger phenomenon called the "Diamond Ring." During the Total Eclipse, the rays of the Sun produce a corona or crown of light radiating outward behind the dark globe of the Moon. This rare event can only be seen with a Total Solar Eclipse.

After the Eclipse, we'll have a champagne celebration, and lunch. We will then continue west on our Atlantic Crossing!

Day 17 TOTAL SOLAR ECLIPSE

Early this morning, in mid-Atlantic, Star Flyer will position itself (in advance of the Eclipse) in what will be the path of the Total Solar Eclipse. All passengers will receive eclipse-viewing glasses. Everyone grab your glasses, and photography equipment and gather on deck for the arrival of the Eclipse!

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Day 18/23 Atlantic Crossing, Eclipse Path to Barbados

For the next several days, we will continue our Atlantic Crossing from the Eclipse Path to the eastern-most island in the Caribbean, Barbados. Our lecture program will continue with insightful lectures on historic, astronomical and other topics.

Day 24 Barbados to Miami or New York & Home

Disembark after breakfast, and enjoy time to explore Bridgetown and Barbados. Transfer to the airport for our return flights.
17050 Montebello Road, Cupertino, CA 95014-5435

See the Total Solar Eclipse November 3, 2013...
On one of the Great Sailing Voyages of
the World—the ATLANTIC CROSSING!
October 18–November 10, 2013

Costs & Conditions

Expedition Fees: Based on per person twin share (depending on cabin category) + air fare of $1,235 including tax, fuel surcharge, and ticketing fee from New York or Miami to Malaga, Spain, with a return from Barbados to Miami or New York.

Category 4: $5,495 per person + Port Charges $260
Category 3: $5,795 per person + Port Charges $260
Category 2: $5,995 per person + Port Charges $260

Single Supplement: 150% of the cabin rate in Category 2, 3, or 4. We encourage all singles to bring a roommate, or we may be able to pair you up with a roommate.

Triplles: Admitted number of cabins are available for triple occupancy in each category for 1/2 price for the third person.

Expedition Fee Includes:
- Group transfers in Malaga and Barbados; transportation by yacht from October 19 to November 10;
- Accommodations based on twin share in comfortable yacht-sized cabin with private bath; meals and activities on board ship; tour leadership and lecture program; administration.

Expedition Fee Does Not Include:
- Air Fare & Airline Ticketing: We look forward to sharing this magnificent journey with you!
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- Internet use, phone, fax, passport, travel insurance, or other personal expenses; foreign airport departure taxes.

What to Expect:
- Leadership and lecture program; administration.

We will then continue our journey across the Atlantic to Barbados for a relaxing, fun-filled adventure. Typically, it will be in the 70’s to 80’s with the balmy weather for which the mid-Atlantic is known. There is a high possibility of clear skies, but there is a slight chance the eclipse could be obscured by haze or clouds.

M/Y Star Flyer: Our journey will be on board the 170 passenger clipper ship, Star Flyer, which, at 360 feet long, is one of the largest fully-rigged sailing yachts in the world. Star Flyer was the dream of a Swedish gentleman, who built the yacht in 1989. It accommodates passengers in 45 cabins, with double or twin lower beds, all with private bath (some cabins have triples available). All cabins have portfolios and are air conditioned. The dining room serves all passengers at once and doubles as a lecture room. There are indoor and outdoor bars, a library, and two mini pools. Betchart groups have enjoyed the service, food, and lifestyle on Star Flyer on Tahiti Voyages in 2008 and 2009, and along the Pacific Coast of Costa Rica in 2011. We look forward to sharing this magnificent journey with you.

Air Fare & Airline Ticketing:
- Group flights from New York or Miami to Malaga, Spain on fiance Airlines, with a return from Barbados to Miami or New York on American Airlines. Please contact Barbados to Miami or New York on American Airlines. Please contact Barbados to Miami or New York on American Airlines. Please contact Barbados to Miami or New York on American Airlines. Please contact Barbados to Miami or New York.
- There will also be fascinating astronomical lectures. Our on-board historian will explore the "Age of
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Reservations, Deposits & Payments: To reserve a space, please contact Marisa for flight information. AIR FARES ARE SUBJECT TO CHANGE.

Final payment is due 150 days before departure (May 18, 2013). There is no refund for any cancellation within 120 days of departure. Trip cancellation insurance will be offered. No refunds are made for unused services.