



GENERAL INFORMATION

HOURS

Museum: Open daily, 10 am–5:45 pm; closed on Thanksgiving and Christmas.

ENTRANCES

During Museum hours, Members may enter at Central Park West at 79th Street (second floor), the Rose Center/81st Street, and through the subway (lower level).

TRANSPORTATION AND PARKING

Subway: B (weekdays) or C to 81st Street; 1 to 79th Street

Bus: M7, M10, M11, or M104 to 79th Street; M79 to Central Park West

Parking Garage: Open daily, 8 am–11 pm; enter from West 81st Street. Members receive a discounted rate of \$10 if entering after 4 pm. To receive this rate, you must show your Membership card or event ticket when exiting the garage. For more information, call 212-313-7275.

RESTAURANTS

Museum Food Court, Café on One, Starlight Café, and Café on 4 offer Members a 15% discount. Hours are subject to change.

MUSEUM SHOPS

The Museum Shop, DinoStore, The Shop for Earth & Space, Cosmic Shop, Silk Road Shop, and Online Shop (amnhshop.com) offer Members a 10% discount.

PHONE NUMBERS

Central Reservations	212-769-5200
Membership Office	212-769-5606
Museum Information	212-769-5100
Development	212-769-5151
Website	amnh.org



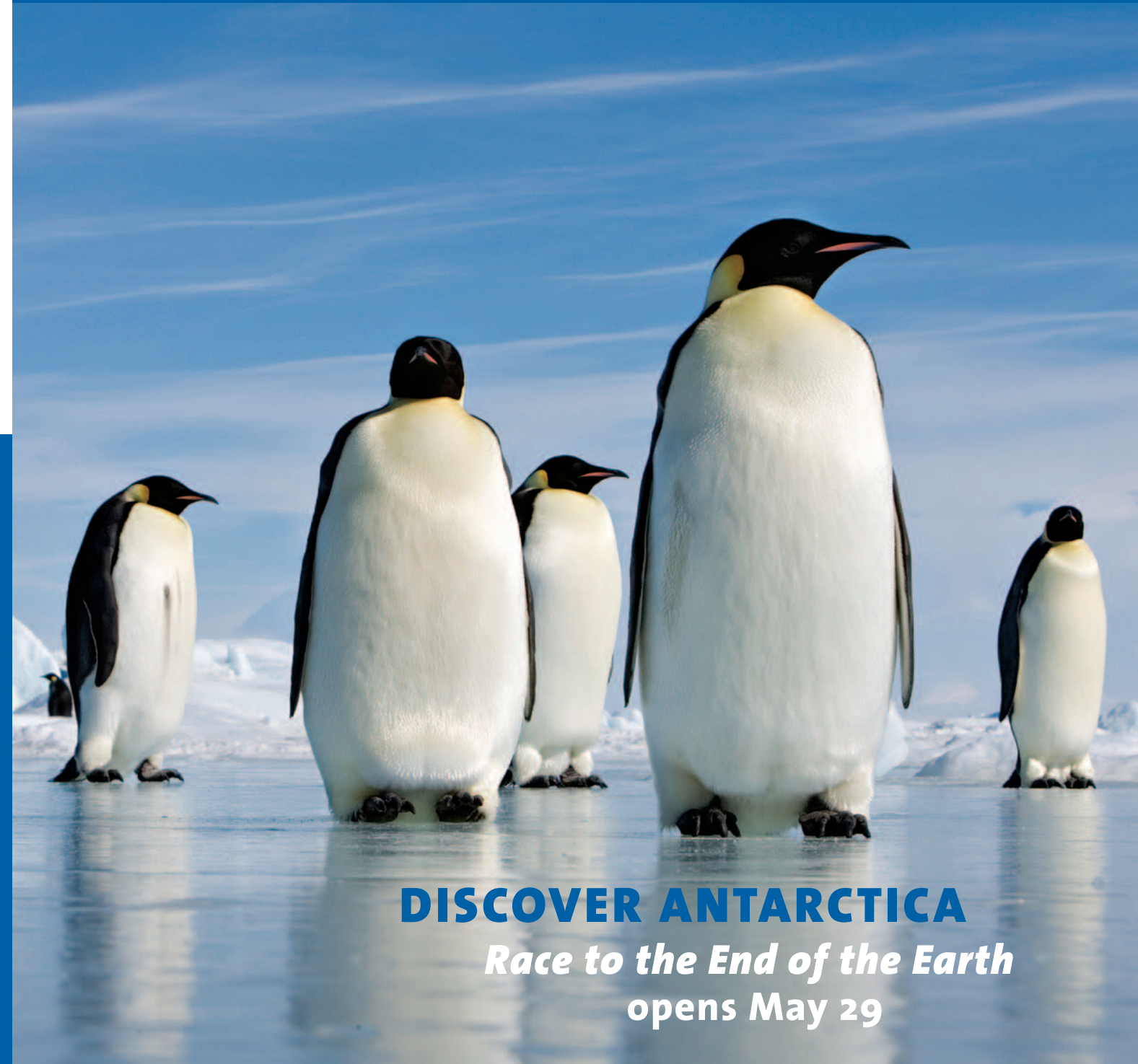
SAVE THE DATE!
MEMBERS' BREAKFAST

WEDNESDAY
JUNE 23, 2010
7:30 TO 9:30 AM

Enjoy breakfast with the dinosaurs in the renowned fourth-floor fossil halls, then explore exhibitions *Race to the End of the Earth* and *Lizards & Snakes: Alive!*

For Members at the Contributor Level and above. Please enter at 77th Street.

AMNH/© H. Davies



DISCOVER ANTARCTICA
Race to the End of the Earth
opens May 29

EXHIBITIONS

Race to the End of the Earth
Opens Saturday, May 29
Free for Members

Race to the End of the Earth recounts one of the most stirring tales of Antarctic exploration: the contest to reach the South Pole in 1911–1912. The exhibition focuses on the challenges that the two leaders—Norwegian explorer Roald Amundsen and British Royal Navy Captain Robert Falcon Scott—confronted as they undertook their roughly 1,500-mile journeys from the shores of the Ross Sea to the Pole and back. As they grappled with the complex logistics of the expeditions—preparing equipment, securing food supplies, and estimating human endurance in the face of Antarctica’s extreme conditions—each team made crucial decisions that led to both triumph and tragedy. The exhibition also spotlights modern Antarctic scientific exploration.

Race to the End of the Earth is organized by the American Museum of Natural History, New York (www.amnh.org), in collaboration with the Royal BC Museum in Victoria, British Columbia, Canada.

Generous support for *Race to the End of the Earth* has been provided by the Eileen P. Bernard Exhibition Fund, Marshall P. and Rachael Levine, and Drs. Harlan B. and Natasha Levine. Additional support has been provided by the British Consulate-General New York.



Artifacts fill recreations of rooms where Amundsen and Scott overwintered on their way to the South Pole. | © AMNH/R. Mickens

Traveling the Silk Road: Ancient Pathway to the Modern World
Free for Members

This intriguing exhibition transports visitors to the greatest trading route in history, showcasing the goods, peoples, technologies, and cultures from four representative cities: Xi’an, China’s Tang Dynasty capital; Turfan, a thriving oasis; Samarkand, a city of merchants; and ancient Baghdad. Live performances organized by the Silk Road Project take place in the exhibition every Sunday afternoon. Visit amnh.org/silkroad for more information.

Traveling the Silk Road is organized by the American Museum of Natural History, New York (www.amnh.org), in collaboration with Azienda Speciale Palaexpo, Roma, Italy and Codice. Idee per la cultura srl, Torino, Italy; the National Museum of Australia, Canberra, Australia and Art Exhibitions Australia; and the National Museum of Natural Science, Taichung, Taiwan and United Daily News, Taipei, Taiwan.

The Presenting Sponsor of *Traveling the Silk Road* is **MetLife Foundation**.

Additional support has been provided by Mary and David Solomon.

The *Silk Road Project* residency is generously supported by Rosalind P. Walter.

Lizards & Snakes: Alive!
Members’ tickets: \$12 adults,
\$7.50 children

Featuring more than 60 live lizards and snakes from five continents, *Lizards & Snakes: Alive!* introduces visitors to a diversity of legged and legless creatures in re-created habitats.

Lizards & Snakes: Alive! is organized by the American Museum of Natural History, New York (www.amnh.org), in collaboration with the Fernbank Museum of Natural History, Atlanta, and the San Diego Natural History Museum, with appreciation to Clyde Peeling’s Reptiland.

The Butterfly Conservatory: Tropical Butterflies Alive in Winter!
Through Monday, May 31
Members’ tickets: \$12 adults,
\$7.50 children

May is the last chance to see hundreds of live, free-flying butterflies in an enclosed habitat that replicates a lush, tropical environment.



A young visitor checks out the fauna in the tropical Butterfly Conservatory. | © AMNH/D. Finnin

SPACE SHOW

Journey to the Stars
Members’ tickets: \$12 adults,
\$7.50 children

Journey to the Stars launches visitors through time and space to experience the life and death of the stars in our night sky. Travel 13 billion years into the past, when the first stars were born, and witness brilliant supernovas that sent new kinds of matter

coursing through the universe, into the atoms of our own bodies, and into the air we breathe.

Produced by the American Museum of Natural History, the Rose Center for Earth and Space, and the Hayden Planetarium.

Journey to the Stars was developed by the American Museum of Natural History, New York (www.amnh.org), in collaboration with the California Academy of Sciences, San Francisco; GOTO INC, Tokyo, Japan; Papalote • Museo del Niño, Mexico City, Mexico; and Smithsonian National Air and Space Museum, Washington, D.C.

Journey to the Stars was created by the American Museum of Natural History, with the major support and partnership of NASA, Science Mission Directorate, Heliophysics Division.

Made possible through the generous sponsorship of Lockheed Martin Corporation.

And proudly sponsored by Accenture.

Supercomputing resources provided by The Texas Advanced Computing Center (TACC) at The University of Texas at Austin, through the TeraGrid, a project of the National Science Foundation.

IMAX MOVIE

Samuel J. and Ethel LeFrak Theater
Members’ tickets: \$12 adults,
\$7.50 children

Mysteries of the Great Lakes

Discover the beauty of these North American lakes on the IMAX screen. For showtimes, visit amnh.org or call 212-769-5100.

SUPERSAVER TICKETS

Members’ SuperSaver tickets, \$16 for adults and \$11.50 for children, include admission to live animal exhibits, IMAX films, and the Space Show.

MORE FOR KIDS

Sleepover Program
A Night at the Museum

This after-hours extravaganza thrills Museum fans ages 7 to 13. Upcoming dates include May 21, June 19, and June 25. Please visit amnh.org/sleepovers for more details.

SAVE A TREE

The current issue of *Rotunda* is now available online! Download it at amnh.org. If you’d like to stop receiving paper copies, please email members@amnh.org.

MEMBERSHIP MADE EASY

HOW TO MAKE THE MOST OF YOUR VISIT

PLAN AHEAD

The Museum is open seven days a week, from 10 am to 5:45 pm, with the exception of Thanksgiving and Christmas. The Museum parking garage, located on 81st Street between Columbus and Central Park West, is open daily, 8 am to 11 pm.

General admission is free for Members, but you must still get a ticket from a Membership desk or kiosk to help the Museum track the total number of visitors at any given time. Remember to have your Membership card with you to make the process faster or, if you’ve lost or forgotten your card, please present photo identification. Membership desks are located in the Theodore Roosevelt Rotunda (through the main entrance on Central Park West, which puts you on the second floor), near the subway entrance as you exit the B and C trains, at the 81st Street Rose Center entrance, and at the garage entrance on weekends and holidays. You can identify Membership associates by their maroon vests.

While you’re at a Membership desk, don’t forget to get tickets for special exhibitions, live-animal exhibits such as *Lizards & Snakes: Alive!*, Space Shows, and IMAX films, which are all

ticketed based on timed entry. Even if your Membership category includes complimentary tickets to these attractions, ticketing is necessary to prevent overcrowding. Special exhibitions such as *Traveling the Silk Road: Ancient Pathway to the Modern World* and *Race to the End of the Earth* are free for Members at all levels, while seasonal live-animal exhibitions are free for certain levels or discounted.

JOIN OUR EMAILING LIST

To receive the latest information about Museum programs and monthly Members’ eNotes, please make sure we have your current email address on file. Simply send us an email from your preferred account to members@amnh.org with your name and Membership number. Don’t forget to include your Membership number—we won’t be able to process the request without it. And be assured: the Museum does not trade or rent its Member email list.

PARK FOR LESS

One car-friendly Membership perk: when parking after 4 pm, Members pay a flat fee of \$10 even if they don’t attend the Museum, provided they show their Membership card to the garage attendant upon exit.



Spend the night at the Museum. | © AMNH/R. Mickens

Celebrate a Child’s Birthday at the Museum

Let Linda Kaye’s Partymakers throw a bash for kids ages four and up. Choose among four fun-filled themes, including Dinosaur Discoveries, Safari Adventure, Underwater Treasures, and Cosmic Blast-Off with an option to see the Space Show. Parties are an exclusive benefit for Contributor and higher-level Members. For more information, visit partymakers.com or call 212-288-7112.

COVER: Emperor penguins are among the few species living in stark Antarctica. | ©istockphoto.com/AtlasImages

rotunda

ISSN 0194-6110
 USPS Permit #472-650
 Vol. 35, No. 3, May/June 2010

Lewis W. Bernard, *Chairman*
 Ellen V. Futter, *President*
 Lisa J. Gugenheim, *Senior Vice President of Institutional Advancement, Strategic Planning, and Education*
 Louise Adler, *Director of Membership*

Rotunda is published bimonthly, except for a combined issue in July/August/September and a single issue in December, by the Membership Office of the American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192. Phone: 212-769-5606. Web address: amnh.org. Museum Membership of \$70 per year and higher includes a subscription to *Rotunda*. © 2010 American Museum of Natural History. Periodical postage paid at New York, NY, and at additional mailing offices. Postmaster: please send address changes to *Rotunda*, Membership Office, AMNH, at the above address.

A Glorious and Deadly Quest



Captain Robert F. Scott photographed in his quarters during the British Antarctic Expedition. | © AMNH Library

No cell phones. No GPS. No high-tech fabric rated for comfort at double digits below zero. And yet, in 1911, two men—Roald Amundsen of Norway and Britain's Robert Falcon Scott—set out across the coldest, most forbidding terrain on Earth to plant their country's flag on the last great geographical prize: the South Pole. Only one could be first, and only one would return home.

This compelling drama is played out in the Museum's new exhibition *Race to the End of the Earth*, which opens May 29 and runs through January 2, 2011. The exhibition is curated by Ross D. E. MacPhee, a curator in the Museum's Division of Vertebrate Zoology and author of the book *Race to the End: Amundsen, Scott, and the Attainment of the South Pole*, which will be published in May in conjunction with the exhibition. (For an excerpt, see "The Race is On," page 6.)

Visitors will encounter larger-than-life characters—heroic, driven, complicated, and flawed—and accompany them on their hazardous journey to the Pole. To heighten the experience, each visitor, on entering the exhibition, will

be offered a card featuring personal details about a specific team member. Moving through the exhibition, visitors will find clues about the person's experiences, see actual items of clothing and tools they used, and look in on life-sized models of rooms in Amundsen's and Scott's base camps—all against a spectacular backdrop of *Aurora Australis*, or the southern lights. Visitors will also have a chance to take a personality test, modeled after those used for real expeditions, to assess their ability to handle extreme environments over long periods of isolation.

Helping visitors of all ages understand the challenges of exploration a century ago, as well as what it is like to conduct Antarctic research today, the exhibition offers engaging hands-on activities, as well as paintings, rare historical artifacts, and beautiful photographs reminiscent of images that captivated the public's imagination in the Museum's exhibition *The Endurance: Shackleton's Legendary Antarctic Expedition* a decade ago. Sure to delight children are clever "scanimations" that offer the illusion of movement to illustrated ships, sled dogs, and

more using optical technology akin to 19th-century zoetropes. There is also a diorama of emperor penguins, the largest penguin species alive today and the subject of a dangerous expedition by three of Scott's men to recover eggs for scientific study.

A leopard seal model suspended overhead and a stunning projection will showcase the rich underwater life surrounding Antarctica while an interactive map will allow visitors to visualize ocean currents and weather systems, watch an iceberg splinter, and see what the continent looks like under its two-mile thick blanket of ice. Intimate portraits by photographer Scott Sternbach will acquaint visitors with scientists and staff at work in Antarctica today.

The desolation of the continent is nearly impossible to overstate. There are no trees or flowering plants. Its fringes are inhabited by only five species of penguin. The only mammals—seals and whales—are marine. Because 98 percent of the continent is covered by snow and ice, Antarctica is brutally cold in summer despite months of constant daylight, with mean temperatures of -5 to -31°F. It is colder still through its dark, sunless winter with mean temperatures dropping to -94°F. Winter comes as a sudden plunge and the sure promise of blinding blizzards. As visitors to the



Artist Beck Meah sculpts a model of a leopard seal, one of the largest predators in the Antarctic. | © AMNH/R. Mickens

exhibition will learn—through diary entries and one heart-breaking last letter—it was a blizzard that stopped the doomed team members in their tracks, barely more than a day's trek to reinforcing supplies.

If you don't already know which team that was, you could Google it. But don't! Instead, come and see this thrilling exhibition through to its bitter—but also exhilarating—end.

Race to the End of the Earth is organized by the American Museum of Natural History, New York (www.amnh.org), in collaboration with the Royal BC Museum in Victoria, British Columbia, Canada.

Generous support for *Race to the End of the Earth* has been provided by Eileen P. Bernard Exhibition Fund, Marshall P. and Rachael Levine, and Drs. Harlan B. and Natasha Levine.

Additional support has been provided by the British Consulate-General New York.

Please join us for a Members-only reception for the major new exhibition

RACE TO THE END OF THE EARTH

FRIDAY, MAY 28

Exhibition opens exclusively to Members at 4 pm. Reception will run from 6 pm to 8 pm. Kindly RSVP to 212-769-5606.

© Scott Polar Research Institute, University of Cambridge

FROM OUR COLLECTIONS



Roald Amundsen likely brought these binoculars to the South Pole. Inscriptions on the faceplate list some of his accomplishments, among them being the first to travel the Northwest Passage and the second to navigate the Northeast Passage. | © AMNH/C. Chesek

A temporary exhibition creates an excellent opportunity to showcase materials from the Museum's vast collections—and *Race to the End of the Earth* is no exception.

Through a special relationship between Roald Amundsen and U.S. explorer and Museum Trustee Lincoln Ellsworth (1880-1951), the Museum Library's Memorabilia Collection boasts a number of personal effects the Norwegian explorer carried with him in his quest to reach the South Pole. Displayed in the exhibition are a sledge, chronometer, binoculars and shotgun, as well as an enameled tin cup inscribed with the name of Amundsen's ship, *Fram*, the Norwegian word for "forward."

The Museum Library's Manuscripts Collection is providing an extremely rare artifact: the original journal

kept by William L. Hudson, captain of the vessel *USS Peacock*, one ship in a small fleet that went south in 1838 to discover whether Antarctica was land or floating ice. The ship later sank, but Hudson's journal survives and contains one of the first recorded sightings of continental Antarctica.

And from the Museum Library's Rare Book Collection comes legendary British explorer James Cook's *A voyage towards the South Pole, and round the world*, published in London in 1777. Cook, who lived from 1728 to 1779, sailed to within 75 miles of the then unknown continent of Antarctica but ultimately turned back, convinced that if such a continent did exist in that frigid climate, it wasn't worth having.

As this exciting new exhibition shows, future explorers were not deterred.

To learn more about the exhibition, visit amnh.org/exhibitions/race.

In June, 1910, Roald Amundsen left Norway on a ship called the *Fram*. His stated plan: sail north to the Arctic. In October, Royal Navy Captain Robert Falcon Scott, leader of the highly publicized British expedition to the Antarctic, whose ship *Terra Nova* was then docked in Melbourne, received a terse telegram indicating the *Fram* had turned south to the Antarctic. Curator Ross D. E. MacPhee describes the fallout in his book *Race to the End: Amundsen, Scott, and the Attainment of the South Pole*.

After reading the telegram Scott summoned Tryggve Gran, the young Norwegian ski expert appointed to the expedition on the recommendation of Fridtjof Nansen. Scott had hoped that Gran, as Amundsen's fellow countryman, could help him make sense of the message. But little could be gleaned from the deliberately curt wording, sent according to plan by Leon Amundsen [the explorer's brother] after *Fram* was well away from Madeira.

For a man like Amundsen, whose exploration career was built on a continuing cascade of firsts, there could be only one goal in Antarctica. As Scott told Gran, "Amundsen is acting suspiciously...In Norway he avoided me in every conceivable manner...Let me say it right out. Amundsen was too honorable to tell me lies to my face. It's the pole he is after, all right."

...As [Apsley Cherry-Garrard] later recollected, "The last we had heard of [Amundsen] was that he had equipped Nansen's old ship, the *Fram*, for further exploration of the Arctic. This was only a feint. Once at sea, he had told his men that he was going south instead of north; and when he reached

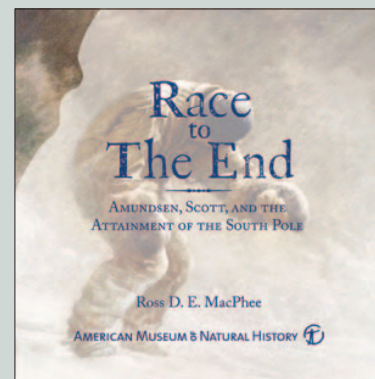


It was vitally important for Scott to have his expedition seen as scientifically significant. To that end, he took along 12 researchers or scientists, including a bespectacled young Oxford graduate, Apsley Cherry-Garrard, who paid £1,000 pounds (equivalent in buying power to \$120,000 to \$150,000 today) to join the team as assistant zoologist. These are his snow goggles, fitted with prescription lenses, atop a copy of his book *The Worst Journey in the World*, which includes a harrowing account of a side trip in search of emperor penguin eggs. It became an instant classic. | © Scott Polar Research Institute, University of Cambridge

Madeira he sent this brief telegram, 'I shall be at the South Pole before you.' It also meant, though we did not appreciate it at the time, that we were up against a very big man."

...The fact is that, whatever Scott may have said to influential backers about the vulgarity of racing for the pole, to the public he plainly and unequivocally stated that "the Pole was the main objective." Of course, it only became an actual race when Amundsen and his men showed up; but others had been sending out trial balloons well before the *Terra Nova* expedition left for the south, and no one could have been in any doubt that, if there was to be any kind of competition for the pole on the Antarctic ice, Britain intended to get there first.

Newspapers had begun to trumpet Amundsen's change of plans even before the *Terra Nova* had docked in Melbourne. Challenge had been served, and the competition for the South Pole was now very much on.



Reprinted with permission from *Race to the End: Amundsen, Scott, and the Attainment of the South Pole* © Ross D. E. MacPhee 2010, Sterling Innovation.

Where Museum Scientists Are Spending Their Summer

How will you spend your summer? Will you backpack through blisteringly dry heat, cutting the trail as you go and pushing flies out of your eyes? Could you dine on white rice for weeks while camping by a series of shallow, rocky streams?

That's how Associate Curator **John Sparks** travels while working to discover undescribed species of fish in northwestern Madagascar. This summer he returns with a portable lab to test hearing in a group of cichlids that have an unusually shaped gas bladder that abuts their inner ear and allows them to pick up sounds from the noisy background of streams. Fellow ichthyologist **Melanie Stiassny** will also be collecting fish, this time along the Upper Congo River and tributaries of the Kasai that funnel fresh water to western Africa. After years of describing the extraordinary biodiversity of the Lower Congo, she is now searching for its source upriver.

Other curators will also be continuing long-term research projects with the goal of discovering new species. Ornithologist **George Barrowclough** returns to mountainous British Columbia, where male blue grouse emit loud hoots while sitting high up in conifers. These calls, in part, have led Barrowclough to conduct a genetic study to show that this species is actually two. **Norm Platnick** will travel to Cuba this summer, the first of many trips now that the Museum is collaborating with the National Museum in Havana. Platnick studies goblin spiders, a poorly understood, nearly microscopic group of arachnids that he's followed for decades. He estimates that only a fifth of the species are described. Fellow invertebrate specialist **Jerome Rozen**, who has been studying bees for nearly half a century, will visit eastern Turkey

to find and describe for the first time nests of the Ancylini, a tribe of solitary bees whose nesting biology is still not fully known. **James Carpenter** heads for the western mountains of Hungary to collect yellow jackets, continuing work he began in 1976. Carpenter will also collect spit from yellow-jacket adults because, in some species, adults lack the enzyme to break down protein and rely on larvae to digest the food and to function, in effect, as the stomach of the colony.

Anthropologists will also head to the field this summer. **Laurel Kendall** plans to, as she puts it, "mop up any missing sections in my project" on South Korean shamans, or religious specialists who manifest spirits in their bodies on behalf of the community, which she began in 1976. Ecological anthropologist **Paige West** continues a project studying the social and environmental impact of oil palm plantations. Plantations reduce biodiversity in surrounding forest and

reef ecosystems and divert men from traditional roles in their community, increasing the burden on women. Finally, archaeologist **Charles Spencer** and Research Associate **Elsa Redmond** will head to Oaxaca, Mexico. This summer's work includes excavation of a ceremonial precinct to gain insight into ritual activities of the pre-Columbian Zapotec culture from two millennia ago.

Another tradition in Museum field expeditions is the annual trip to the Gobi desert. This summer, paleontologists **Michael Novacek** and **Mark Norell** return to the flaming cliffs for the 21st consecutive year. Closer to home, **Neil Landman** will continue research at the southeastern tip of Missouri. Here he's found evidence of a tsunami 65 million years ago, part of the aftermath of the asteroid impact that led to the extinction of not only dinosaurs but marine mollusks known as ammonites.



John Sparks and colleague snorkeling in a sinkhole in Madagascar. | © P. Chakrabarty

Members' Programs

Programs are available to Members only, unless a non-Member price is given.

For tickets, call 212-769-5200, Monday–Friday, 9 am–5 pm, or visit amnh.org. Please have your credit card, your Membership number, and the program name and number ready. All Members' programs require advance registration.



Built in 1880, Manhattan's sole remaining lighthouse is best known from a beloved children's book. | © J. Picquet-Reyes

WALKS

Foraging in Central Park

Sunday, May 9 MW050910
9:30–11:30 am
\$45

Hundreds of fascinating and delicious wild shoots, greens, roots, herbs, and flowers thrive in our backyards, parks, and forests. As spring turns to summer, environmental educator **Steve "Wildman" Brill** will lead this Central Park walk with a focus on foraging.

Evening Walk to the Little Red Lighthouse

Tuesday, July 20 MW072010
Tuesday, August 31 MW083110
6:30–8 pm
\$30

Featured in the 1942 children's classic *The Little Red Lighthouse and the Great Gray Bridge* by Hildegard H. Swift, this beloved landmark is the last of its kind in Manhattan. Join **Sidney Horenstein** for this stroll through Fort Washington Park and learn about the geology and history of the area while enjoying the

sunset views of the Hudson River from the highest elevation in Manhattan.

LOCAL CRUISES

Summer Solstice Sail

Monday, June 21 MO062110
8–10 pm
\$95

Set sail from the South Street Seaport with astrophysicist **Charles Liu** and watch the sunset on the longest day of the year. Cruise from the Brooklyn Bridge to the Statue of Liberty aboard *Pioneer*, an 1885 Delaware Bay schooner, and learn about the science and star lore that surrounds the summer solstice. Space is limited.

All Around the Town

Wednesday, June 30 MO063010
6–9 pm
\$45 adults; \$25 children

Observe the geology of New York City—the most complicated of any U.S. city—on a Circle Line Cruise around Manhattan Island. See how the various types of bedrock and their depths directly influence the city's

topography and the distribution of tall buildings. Our guide will point out the locations of many of the city's major faults and the resulting features.

EXPEDITIONS

Birding at Brigantine

Saturday, May 15 MO051510
8:30 am–6 pm
\$120

Grab your binoculars, put on your hiking shoes, and join ornithologist **Paul Sweet** for an action-packed day of birding at the Brigantine National Wildlife Refuge in New Jersey, where you will see migrating shorebirds in breeding plumage as well as resident breeding species of the coastal salt marshes such as herons, egrets, skimmers, and terns. With luck you could observe more than 100 species. Bring your lunch!



Go fossil hunting at Big Brook, New Jersey. | © R. DeGanigi

Journey to a Lost World: Fossil Collecting at Big Brook

Saturday, June 5 MO060510
9 am–5 pm
\$85 (includes transportation by private coach)

Travel back to the age of dinosaurs on this trip to Big Brook in Monmouth, New Jersey. The whole family will enjoy a day of fossil-finding at one of the top sites in the nation. Dig through Late Cretaceous sediments where diverse and plentiful fossil shark teeth can be unearthed. The remains of Cretaceous reptiles,

crustaceans, dinosaurs, fish, and mollusks can also be found, along with Pleistocene mammal and bird bones. Bring your lunch and collecting equipment.

Food and Fauna in Hyde Park

Wednesday, June 16 MO061610
8 am–6:30 pm
\$95

Enjoy a scenic drive, via private coach, to Hyde Park, New York, where the day begins with a tour of the world-renowned Culinary Institute of America. A delicious lunch at the CIA's St. Andrew's Café, which exemplifies the farm-to-table movement, will include an organic green salad, pan-roasted chicken, and apple tart with vanilla ice cream. Lunch will be followed by a tour of President Franklin D. Roosevelt's boyhood home and its grounds. Please advise of any dietary restrictions by May 26 by calling 212-313-7607.

Great Gull Island Research Project

Thursday, July 15 MO071510
8 am–6 pm
\$120

Great Gull Island, a Museum research station in Long Island Sound, is the site of ongoing study of the endangered Roseate Tern and threatened Common Tern. Take advantage of this rare opportunity to journey by boat to the 17-acre island, which is normally open only to scientists. Led by **Helen Hays**, a Museum ornithologist, participants will watch hatching chicks, track nests, analyze colonies, and explore the army buildings and battlements of an old fort built in 1898. Cost includes transportation by private coach and chartered boat. Limited to 25 participants. Bring your lunch!



Roth Hall Arbor at the Culinary Institute of America's Hyde Park campus. | © Culinary Institute of America

Geology and History of Thimble Islands

Wednesday, July 21 MO072110
8 am–6 pm
\$95

First discovered in 1614 by Dutch trader Adrien Block, the Thimble Islands have a fascinating history. Expedition includes a 45-minute narrated tour in the Stony Creek Quarry with **Sidney Horenstein**. Cost includes transportation by private coach. Bring your lunch!

Pequest Trout Hatchery

Thursday, July 29 MO072910
8 am–6 pm
\$70

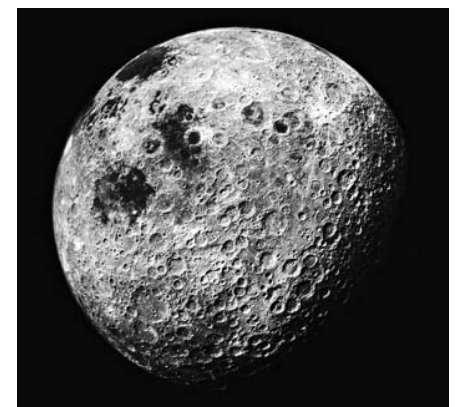
Anyone with an interest in fish, wildlife, or the outdoors will enjoy this day trip to the Pequest Trout Hatchery and Natural Resource Education Center. Hike along the Pequest River while observing its ecology, then visit the hatchery, where more than 700,000 trout are raised each year. Cost includes transportation by private coach. Bring your lunch!

SPECIAL PROGRAM

Field Trip to the Moon

Monday, June 7 MP060710
6 pm
\$12 adults; \$7.50 children

Don't miss this special Members-only evening performance in the Hayden Planetarium. You'll feel the ground shake as your rocket launches, see a sunrise in space, and orbit and land on the Moon. Guided by a live presenter, you'll admire the view from where humans last walked on the Moon and see what awaits us on future missions.



Take a trip to the Moon. | NASA

Please be aware that ticket sales are final. All Members' programs go ahead, rain or shine; no refunds are issued unless the event is cancelled by AMNH.

Public Programs

These programs are available to the general public.
Call 212-769-5200 for information and tickets.



Witness one of the oldest gatherings of people on Earth in Journey to Mecca. | © SK films

SPECIAL EVENTS

Annual IRIS Lecture Predicting Earthquakes and Volcanic Eruptions

Thursday, May 6
Linder Theater, first floor
6:30 pm
Members' tickets: \$8

Introduced by Curator **Ed Mathez**, **Stephen Malone** of the University of Washington will discuss technology used to predict earthquakes and volcanic eruptions.

Come early! Café on One will offer wine, coffee, and snacks from 5:30 to 6:30 pm.

Co-presented with IRIS/SSA Distinguished Lecture Series.

Journey to Mecca: In the Footsteps of Ibn Battuta

Tuesday, May 18
Grand Gallery, first floor
Film screening at 7:30 pm
LeFrak Theater, first floor
Free with reservations

This breathtaking IMAX film follows the extraordinary adventures of a young man on a holy Muslim pilgrimage. Cornell professor **Eric Tagliacozzo** will introduce the film. Before the screening, enjoy tastings and music in the Grand Gallery. Please call 212-769-5200 to reserve free tickets.

Identification Day

Saturday, May 22
Milstein Hall of Ocean Life
12:30-3:30 pm
Free

Bring your shells, rocks, insects, feathers, bones and artifacts to the annual Identification Day! Museum scientists will attempt to identify your mysterious discoveries. In celebration of the International Year of Biodiversity, artifacts and specimens from the Museum's collections will be on display to raise awareness about the importance of biodiversity.

NYC International Polar Festival

Saturday, May 29
Kaufmann and Linder Theaters
and Grand Gallery, first floor
12-5 pm
Free

In conjunction with the opening of the exhibition *Race to the End of the Earth*, the Museum presents a family-friendly program featuring performances, films, and the chance to meet scientists.

Co-presented by Lamont-Doherty Earth Observatory and the Earth Institute of Columbia University and Barnard College, with the cooperation of the Royal Norwegian Consulate General. Supported by the National Science Foundation and the National Oceanic and Atmospheric Administration.

CHILDREN'S PROGRAMS

WILD, WILD WORLD Raptors

Saturday, May 22
Linder Theater, first floor
11 am-12 pm
1-2 pm
Members' tickets: \$7 children; \$9 adults

See live raptors from the Theodore Roosevelt Audubon Center and Sanctuary, including an American Kestrel, Great Horned Owl, and more.

DR. NEBULA'S LABORATORY

Kaufmann Theater, first floor
2 pm
Members' tickets: \$7 children; \$9 adults

Water Works

Sunday, May 16
Join Scooter as she follows the story of Drop to learn about the water cycle.

This program is supported, in part, by Ruth A. Unterberg.

HAYDEN PLANETARIUM PROGRAMS

VIRTUAL UNIVERSE

Hayden Planetarium Space Theater
6:30 pm
Members' tickets: \$13.50
Advance registration is encouraged.

The Earth Today with Carter Emmart

Tuesday, May 4
This program is supported, in part, by the Schaffner family.

LECTURE

The Origin of the Universe and the Arrow of Time

Monday, May 10
Kaufmann Theater, first floor
7:30
Members' tickets: \$13.50
Enter at 77th Street

Caltech physicist **Sean Carroll** delves into the nature of time and the origin of the universe.



Meet a Great Horned Owl at Wild, Wild World. | © Theodore Roosevelt Sanctuary and Audubon Center

A Year of Celebration

2010 Isaac Asimov Memorial Debate

This year, the Museum is celebrating the 10th anniversary of the opening of Frederick Phineas and Sandra Priest Rose Center for Earth and Space and the 75th anniversary of the opening of the original Hayden Planetarium.

One milestone event in the year-long celebration took place on March 15, when Hayden Planetarium Director Neil deGrasse Tyson moderated the annual Isaac Asimov Memorial Debate. This year's panel took on a timely topic: "The Moon, Mars and Beyond: Where Next for the Manned Space Program?"

Check amnh.org for upcoming Rose Center and Hayden Planetarium Anniversary Year events.

The Isaac Asimov Memorial Debate is made possible through the generosity of the Asimov family and friends.



More than 900 people packed the LeFrak Theater for the 10th annual Asimov Debate. | © AMNH/R. Mickens

A WORLD-CLASS SOURCE FOR UNIQUE GIFTS

DISCOVER THE SHOPS
AMERICAN MUSEUM OF NATURAL HISTORY



LET THE DENIZENS OF THE MUSEUM'S FAMOUS DINOSAUR HALLS RULE YOUR DESK WITH THESE HAND-PAINTED POLYRESIN MODELS OF *STEGOSAURUS*, *TRICERATOPS*, AND THE FEARSOME *T. REX*.
MEMBERS RECEIVE A 10% DISCOUNT.

To place orders, call our Personal Shopper at 1-800-671-7035 or shop at
www.amnhshop.com

Public programs are made possible, in part, by the Rita and Frits Markus Fund for Public Understanding of Science.