

HARVARD MUSEUMS OF SCIENCE & CULTURE

FALL 2018 PROGRAMS • EXHIBITS • CLASSES

Collection of Historical Scientific Instruments
Harvard Museum of Natural History
Harvard Semitic Museum
Peabody Museum of Archaeology & Ethnology





Gorgonian Coral. *Eugorgia aurantiaca*. MCZ #61014. On display in *Marine Life* in the Putnam Family Gallery

One world. Four museums.

HMSC aims to advance discussions on the vital questions of our time, to provide a meeting point for scholars and the general public, and to create a bridge between research and learning experiences.

Our Fall 2018 programming will explore innovative approaches to protecting Earth's biodiversity and to stemming environmental degradation across the United States. Scientists will examine the detection and control of potential epidemics and look at genetic tools that deepen our understanding of human brain evolution. We will delve into one of the first networks of global interaction and exchange—the origin of the Silk Road trade routes some 4,000 years ago—and present a novel way to experience the Native American galleries using a diverse playlist of poetry by contemporary Native authors. A major renovation of the exhibition *Climate Change: Our Global Experiment* will highlight pioneering research conducted by an interdisciplinary team of Harvard researchers.

HMSC is a portal to Harvard University's world-renowned collections and research on the natural world, scientific innovation, and human cultural history. We invite you to visit our museums, participate in our programs, and engage in meaningful conversations about some of the most pressing issues facing society today.

- **Collection of Historical Scientific Instruments**
- **Harvard Museum of Natural History**
- **Harvard Semitic Museum**
- **Peabody Museum of Archaeology & Ethnology**

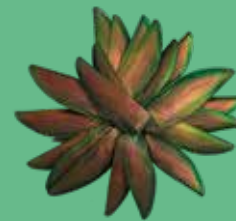


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Free parking is available at the 52 Oxford Street Garage for all events marked with a (not applicable to classes or exhibitions).

FRONT COVER IMAGES (clockwise from top left)



Bunch of iridescent beetle elytra (wing cases)

Beetle elytra were often used ornamentally in jewelry, headdresses, clothing and other contexts for their beauty and clacking sound. Possibly Aguarico or Tucano, Rio Napo, Ecuador. Collected during Peabody Museum-Division of Anthropology, American Museum of Natural History Joint Expedition, John Gillin, Director, 1935. Peabody Museum of Archaeology & Ethnology #24-48-60/D2327



Insectoscope

This insectoscope was designed to be carried in a pocket and would have delighted any naturalist in the field. Mounted on a walnut handle, the little brass box could trap a live bug for close examination with a built-in magnifying lens. It was made in Europe between 1825 and 1840. Collection of Historical Scientific Instruments. 1997-1-0907



Beetle from David Rockefeller Collection

Macraspis pantochloris
Museum of Comparative Zoology, Harvard University #RCK103310



Canaanite scarab carved in Middle Kingdom Egyptian style

Middle Bronze Age, ca. 1700-1600 BC Material: steatite. The ancient Egyptians saw the scarab beetle, rolling its ball of dung across the floor, as representative of the morning aspect of the sun god, traveling across the heavens. Its name was Khepri, often shown as a male body with the head of a scarab. Harvard Semitic Museum # 1907.56.18

Images © President and Fellows of Harvard College

Monday, September 17, 6:00 pm

Saving Coral Reefs in the Florida Keys

James W. Porter, Josiah Meigs Distinguished Professor Emeritus
Odum School of Ecology, University of Georgia



Coral reefs support more than a quarter of all marine life, yet many are critically endangered. In the Florida Keys, the once common elk horn coral (*Acropora palmata*) has experienced steep declines since the 1970s. Preliminary blame was attributed to global warming and coral bleaching, but in fact, a human bacterial pathogen associated with a wide range of serious infections was the culprit. James Porter will discuss how Key West residents are saving these reefs and he will highlight the intricate links among conservation, medicine, public health, economics, and politics.

Lecture. Free and open to the public. **HMNH**
Geological Lecture Hall, 24 Oxford Street ④

Thursday, September 20, 6:00 pm

Breakpoint

Reckoning with America's Environmental Crises

Jeremy Jackson, Emeritus Professor of Oceanography, Scripps Institution of Oceanography
Senior Scientist Emeritus, Smithsonian Institution



Mounting environmental crises—extreme weather events, uncontrollable fires, rising sea levels, droughts, and unsustainable agriculture—are pushing America toward a series of alarming environmental and economic breaking points. Jeremy Jackson will examine the country's current environmental destruction and highlight both successful and failed attempts by communities to achieve greater environmental stability. With a call to action, he will offer achievable solutions—and optimism—for tackling this multidimensional challenge.

Presentation will be followed by a discussion with Rebecca Henderson, Harvard Business School; John Holdren, Harvard Kennedy School; and Daniel Schrag, Harvard University Center for the Environment.

Lecture, Discussion & Book Signing. **HMNH**
Visit hmn.harvard.edu for event details ④
Presented in collaboration with the Harvard University Center for the Environment

Monday, September 24, 6:00 pm

Conflict and the Global Threat of Pandemics

Michele Barry, Professor of Medicine; Senior Associate Dean of Global Health
Director, Center for Innovation in Global Health, Stanford University



Detection and control of emerging infections in conflict zones is a major public health challenge. The breakdown of civil society often leads to the collapse of health systems and sanitation, food insecurity, poor coordination among humanitarian agencies, and the subsequent emergence of diseases that can proliferate into global pandemics. Michele Barry will discuss how Ebola, polio, yellow fever, cholera, and Lassa fever have emerged during conflict in fragile states and what has been learned from the outbreaks to better predict and control other potential epidemics.

Lecture. Free and open to the public.
Reservations are strongly encouraged. **HMNH**
Geological Lecture Hall, 24 Oxford Street ④
Presented in collaboration with the Harvard Global Health Institute, as part of OUTBREAK WEEK 2018, a University-wide effort to commemorate the 1918 influenza pandemic
Visit hmn.harvard.edu for event details

Tuesday, September 25, 6:00 pm

Creating a King for Eternity

Florence D. Friedman, Visiting Scholar, Department of Egyptology and Assyriology,
Brown University

The smallest of the three Giza pyramids was built for Egypt's Fourth Dynasty ruler, King Menkaure. In 1908 and 1910, Harvard University-Boston Museum of Fine Arts Expedition excavators found a series of statues in the king's valley temple. These masterpieces show Menkaure in the company of various gods and mortals. Florence Friedman will speak about how these statues established Menkaure as not only eternal ruler of Egypt, but also of the entire cosmos.

Lecture. Free and open to the public. **HSM**
Geological Lecture Hall, 24 Oxford Street ④



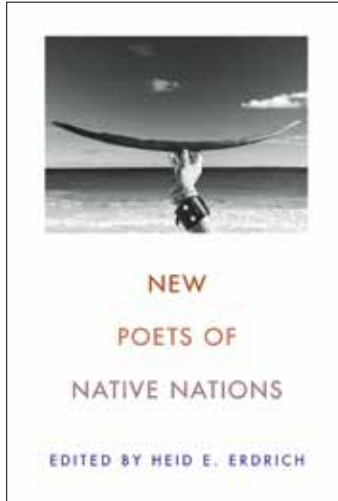
Wednesday, October 3, 6:00 pm

New Poets of Native Nations

Heid E. Erdrich, Poet, Writer, and Filmmaker

Tacey M. Atsitty, Poet

Eric L. Gansworth, Professor of English and Lowery Writer-in-Residence



New Poets of Native Nations (Graywolf Press, July 2018) gathers the work of 21 poets of diverse ages, styles, languages, and tribal affiliations to present the extraordinary range of new Native poetry. The publication features long narratives, political outcries, experimental works, and traditional lyrics—and the result is an essential anthology of some of the best poets writing today. Heid Erdrich, editor of the anthology, will discuss the poets' literary approaches and their relevance to contemporary American poetry. Tacey Atsitty and Eric Gansworth, poets featured in the anthology, will read their work as part of this program.

Lecture, Reading & Book Signing. Free and open to the public. **PMAE**
Geological Lecture Hall, 24 Oxford Street ©
Presented in collaboration with the:
Harvard University Native American Program and the
Woodberry Poetry Room at Harvard University

Thursday, October 4, 6:00 pm

Conserving Biodiversity A Global Priority

Russell A. Mittermeier, Chief Conservation Officer, Global Wildlife Conservation;
Chair, Primate Specialist Group, Species Survival Commission of the International Union for
Conservation of Nature



Biodiversity is the sum total of life on Earth and a living legacy to future generations. Sadly, it is declining almost everywhere on the planet. Russell A. Mittermeier, recipient of the 2018 Indianapolis Prize, is a biologist and lifelong conservationist who has traveled across 169 countries and discovered more than 20 species in his quest to save biodiversity hotspots. Focusing on nonhuman primates—our closest living relatives—Mittermeier will examine strategies for setting conservation priorities, highlight successful initiatives from around the world, and demonstrate why biodiversity is so critical to human survival.

Lecture. Free and open to the public. **HMNH PMAE**
Geological Lecture Hall, 24 Oxford Street ©
Presented in collaboration with the Indianapolis Prize

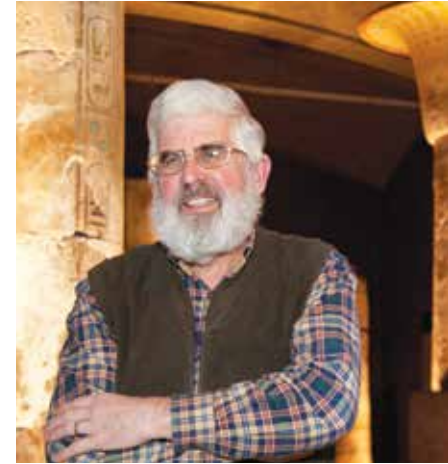
Tuesday, October 9, 6:00 pm

Ancient Brews Rediscovered and Re-Created

Patrick E. McGovern, Scientific Director, Biomolecular Archaeology Project for Cuisine, Fermented Beverages, and Health, University of Pennsylvania Museum of Archaeology and Anthropology; Adjunct Professor of Anthropology, University of Pennsylvania

The makers of the earliest fermented beverages must have marveled at the “magical” process by which mixtures of wild fruits, honey, and cereals produced mind-altering drinks. In this special event, Patrick McGovern will venture back to the origins of brewing in the ancient world. Drawing on archaeology, chemistry, and other sciences, he will explore the earliest known fermented beverages and discuss how his research and travels have informed the making of the Ancient Ales and Spirits of Dogfish Head Brewery. Following the lecture, enjoy a tasting of “ancient” beer paired with Mesopotamia-inspired treats.

Lecture, Special Event & Book Signing. **HSM HMNH PMAE**
Advance tickets required: \$8 members/\$10 nonmembers
Visit hmsc.harvard.edu for event details
Geological Lecture Hall, 24 Oxford Street ©
Reception at the Harvard Semitic Museum, 6 Divinity Avenue



Wednesday, October 10, 6:00 pm

Genes, Cognition, and Human Brain Evolution

Christopher A. Walsh, Bullard Professor of Pediatrics and Neurology, Harvard Medical School;
Chief, Division of Genetics and Genomics, Boston Children's Hospital; Investigator, Howard
Hughes Medical Institute; Associate Member, Broad Institute of Harvard and MIT



Despite major scientific advances in sequencing the genomes of species through the animal kingdom, it has been remarkably difficult to identify the genes that enable the unique cultural, aesthetic, and reasoning capabilities of humans. Christopher Walsh will discuss how research on specific genes associated with animal and human brain disorders is helping to clarify the genetic and evolutionary underpinnings of cognitive and social behavior.

Evolution Matters Lecture Series

Free and open to the public. **HMNH**
Geological Lecture Hall, 24 Oxford Street ©
Series supported by a generous gift from Drs. Herman and Joan Suit
Presented in collaboration with the Allen Discovery Center at Boston
Children's Hospital and Harvard Medical School, funded through
The Paul G. Allen Frontiers Group

Thursday, October 11, 6:00 pm

The Cinema of Patience

Reflecting on *N!ai, the Story of a !Kung Woman*

Michael Ambrosino, Former Public Television Producer; Creator of PBS series *NOVA* and *Odyssey*
 Ilisa Barbash, Curator of Visual Anthropology, Peabody Museum of Archaeology & Ethnology
 Sue Marshall Cabezas, Former Executive Director, Documentary Educational Resources
 Ross McElwee, Professor of the Practice of Filmmaking, Department of Visual and Environmental Studies, Harvard University
 Moderated by Alice Apley, Executive Director, Documentary Educational Resources



Thirty years after its release, *N!ai, the Story of a !Kung Woman* remains an exemplar of ethnographic filmmaking. Directed and edited by John Marshall and Adrienne Miesmer, the film documents the life of N!ai, a Ju/hoan woman and the harsh realities of apartheid in 1980s Namibia, and it presents an intimate portrait of life in one of the last hunting and gathering communities. In honor of the fiftieth anniversary of Documentary Educational Resources, this program will explore the film's importance to the preservation of intangible culture, and Marshall's influence on the development of educational, personal, and activist documentaries.

Film Screening (51 minutes) & Panel Discussion.
 Free and open to the public. **PMAE**
 Geological Lecture Hall, 24 Oxford Street
 Presented in collaboration with Documentary Educational Resources

Monday, October 15, 6:00 pm

Can Baby Corals Improve the Reefs of Tomorrow?

Aaron Hartmann, 2017–2018 Sarah and Daniel Hrdy Visiting Fellow in Conservation Biology, Department of Organismic and Evolutionary Biology, Harvard University



Coral reefs are one of Earth's most biodiverse and imperiled ecosystems. Corals form the foundation of this ecosystem. Substantial effort is being invested to help adult corals survive environmental degradation, but less attention is paid to their offspring and how they establish themselves on the seafloor. Unlike adult corals, baby corals move about in the water column, perhaps allowing them to find better environments. Aaron Hartmann will highlight the importance of these juvenile corals for the long-term survival and conservation of coral reefs in a changing world.

Free and open to the public. **HMNH**
 Geological Lecture Hall, 24 Oxford Street

Tuesday, October 16, 6:00 pm

Nature vs. Fiction in Sci-Fi Movies

Miaki Ishii, Professor of Earth and Planetary Sciences, Harvard University

Recent volcanic eruptions in Hawaii and Guatemala remind us of how devastating these geological eruptions can be. Popular culture depictions of volcanic disasters found in movies like *Dante's Peak* and *Volcano* can strongly distort the public's understanding of volcanic activity and its immediate effects. As with many science-fiction films, Hollywood depictions of natural phenomena don't always align with the scientific facts. Seismologist Miaki Ishii will illustrate this point by looking at popular films that depict both scientifically accurate and inaccurate volcanic events. Her comparison will show how volcanoes *really* affect our lives.

Free and open to the public. **HMNH**
 Geological Lecture Hall, 24 Oxford Street



Thursday, October 18, 6:00 pm

Memories of the Kings and Queens of Kush

Archaeology and Heritage at El Kurru

Geoff Emberling, Research Scientist, Kelsey Museum of Archaeology; Lecturer, Department of Near Eastern Studies, University of Michigan



Ancient Nubia was one of Africa's earliest centers of political authority, wealth, and military power. After the Nubian kings and queens of Kush rose to power around 800 BCE, they controlled a vast empire along the Middle Nile (now Northern Sudan) and conquered Egypt to rule as its Twenty-fifth Dynasty. The kingdom's political center, known as El Kurru, was first excavated by George Reisner in 1918–1919 on behalf of the Harvard University-Boston Museum of Fine Arts Expedition. George Emberling will look at recent discoveries at the site and show how they inform local and international ideas about history and heritage.

Free and open to the public. **HSM**
 Geological Lecture Hall, 24 Oxford Street

Wednesday, October 24, 6:00 pm

Origins of the Silk Roads

Rowan Flad, John E. Hudson Professor of Archaeology, Department of Anthropology, Harvard University



Approximately 4,000 years ago, the peoples of China and Eurasia gradually began to develop networks of interaction and exchange that radically transformed the cultures of both regions. These networks eventually gave rise to the Silk Road trade routes connecting the East and West. Rowan Flad will examine the archaeological evidence—from the Qijia Culture of Northwest China—that documents the agricultural, metallurgical, and technological innovations that resulted from the earliest trans-Eurasian exchanges, and how studies of the Silk Road origins are being reinvigorated by China's One Belt, One Road initiative.

Lecture. Free and open to the public. **PMAE**
Geological Lecture Hall, 24 Oxford Street

Thursday, October 25, 12:30-2:00 pm

Archaeology Live

Harvard College Life in Colonial Times

Peer into an active archaeological excavation and learn about the oldest section of North America's first college, founded in 1636. Harvard archaeology students will answer your questions, demonstrate archaeological methods, and display recent finds from the seventeenth century that reflect how Harvard College students—centuries ago—ate, dressed, and amused themselves, among other experiences. Drop by any time during this 90-minute event. The site is in Harvard Yard, steps away from the famous John Harvard statue.

Free and open to the public. Rain or shine. **PMAE**
Visit peabody.harvard.edu for directions to site



Día de los Muertos/Day of the Dead Celebration at the Peabody Museum

Events will be held at the Peabody Museum of Archaeology & Ethnology, 11 Divinity Avenue, Cambridge. Co-sponsored by the Consulate General of Mexico in Boston and the Mexico, Central America, and Caribbean Program at the David Rockefeller Center for Latin American Studies, Harvard University.

Visit: peabody.harvard.edu for event details.

Free parking available for both events at the 52 Oxford Street Garage

Thursday, November 1, 4:00-8:00 pm



Museum Open House and Evening Celebration

Remember and celebrate your departed loved ones at this year's *Día de los Muertos* altar, savor traditional Mexican hot chocolate and *pan de muerto*, and enjoy live music.

Special event. Free and open to the public. Reservations required.



Saturday, November 3, 12:00-4:00 pm



Celebración Familiar/Family Celebration

Live music, Oaxacan wood carving, and festive decorations help to make this a joyful event designed to remember and welcome back the spirits of loved ones. Decorate a sugar skull (additional \$6 fee); make *papel picado* (cut paper banners), *cempasúchil* flowers and other artwork; and write a message in any language you choose to place upon the *Día de los Muertos* altar. The community altar art will be created by students at the Rafael Hernández Dual Language School in Boston.

Family event. Regular museum admission rates apply. No advance registration is required. Admission includes *pan de muerto* (sweet bun) and activities.



Wednesday, November 7, 6:00 pm

Photographing Tutankhamun How the Camera Helped Create “King Tut”

Christina Riggs, Professor of the History of Art and Archaeology,
University of East Anglia, United Kingdom



When Howard Carter found the sealed entrance to Tutankhamun’s tomb in 1922, he secured the services of archaeological photographer Harry Burton to document the site. Over the course of ten years, Burton produced more than 3,000 glass negatives of the tomb, its contents, and the many people—including Egyptian men, women, and children—who participated in the excavation. Christina Riggs will discuss how Burton’s photography helped create “King Tut” at a pivotal time for both Egypt and archaeology, and how revisiting these images today is changing perceptions of twentieth-century archaeological research in Egypt.

Lecture. Free and open to the public. **HSM**
Geological Lecture Hall, 24 Oxford Street 
Presented with support from the Marcella Tilles Memorial Fund


Thursday, November 8, 6:00 pm

Ancient DNA and the New Science of the Human Past

David Reich, Professor, Department of Genetics, Harvard Medical School; Investigator, Howard Hughes Medical Institute; Senior Associate Member, Broad Institute of Harvard and MIT



Sweeping technological innovations in the field of genomics are enabling scientists to extract and analyze ancient DNA—genetic material from human remains dating back up to hundreds of thousands of years—as never before. This research is revealing new insights into our lineage as modern humans and has become as important as archaeology, linguistics, and the written word in understanding our past. David Reich, author of *Who We Are and How We Got Here*, will discuss the potential of ancient DNA for revealing the history of our species.


Evolution Matters Lecture Series
Lecture & Book Signing. Free and open to the public. **HMNH**
Geological Lecture Hall, 24 Oxford Street 
Series supported by a generous gift from Drs. Herman and Joan Suit
Presented in collaboration with the Allen Discovery Center at Boston Children’s Hospital and Harvard Medical School, funded through The Paul G. Allen Frontiers Group

Wednesday, November 14, 6:00 pm

Origins of the Green Revolution Hybrid Seeds, Hunger, and Mexico-India Cooperation

Gabriela Soto Laveaga, Professor of the History of Science, Harvard University

As a devastating famine gripped India and Pakistan in 1966, a cargo of hybrid wheat seeds from Mexico arrived one fateful day on India’s coast. The seeds were first planted across the Punjab region using new agricultural methods, including intensive fertilizers and irrigation. The crop’s high yield surprised farmers and helped save many from hunger that year. Gabriela Soto Laveaga will talk about the origins of these hybrid seeds, their role in the Green Revolution, and the unexpected technological, environmental, and social impacts they had on both Mexico and India.

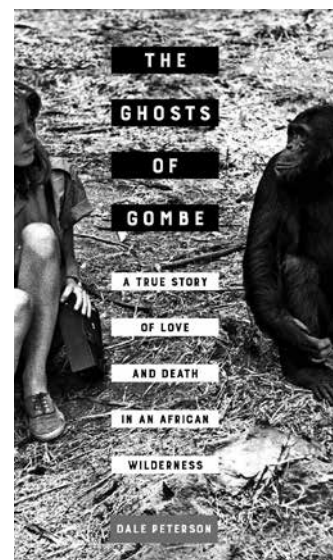
Lecture. Free and open to the public. **CHSI HMNH**
Visit chsi.harvard.edu for event details 



Thursday, November 29, 6:00 pm

The Ghosts of Gombe

Dale Peterson, Author



On July 12, 1969, Ruth Davis, a young American volunteer at Dr. Jane Goodall’s research site in Gombe Stream National Park, Tanzania, left camp to follow a chimpanzee into the forest. Six days later, her body was found floating at the base of a high waterfall. What happened? Drawing on his recent book, *The Ghosts of Gombe*, Dale Peterson will delve into the full story of day-to-day life at Gombe during the months preceding Ruth’s death. These months were marked by stress, excitement, social conflicts, cultural alignments, and the friendships that developed among three of the researchers and some of the chimpanzees.

Lecture and Book Signing. Free and open to the public. **PMAE HMNH**
Geological Lecture Hall, 24 Oxford Street 



Thursday, November 29, 5:00–9:00 pm

Member Night at the Harvard Museum of Natural History

Reservations Open October 29

Welcome the winter season with a polar-themed evening. Go behind the scenes in the Museum of Comparative Zoology to view animals that are well adapted to living in a cold climate. Explore this theme further in the HMNH galleries with educators and hands-on activities, while enjoying seasonal treats. Don't forget to stop by the Shop at HMNH to do some holiday shopping and to take advantage of the special 25% member discount. Not a member? Join today so you can join us in November! See membership details on page 22.



Thursday, December 6, 6:00 pm

The Hunt for Human Nature in Cold War America

Erika Milam, Professor of History, Princeton University



After World War II, evolutionary scientists began rethinking their views on humanity's past. What if human history was not merely a cooperative struggle against a harsh environment? What if violence and war were normal states of existence, punctuated by brief moments of peace? These are the questions Erika Lorraine Milam explores in her new book, *Creatures of Cain: The Hunt for Human Nature in Cold War America*. She will discuss how anthropologists and zoologists during the Cold-War era struggled to reconcile humanity's triumph as a species with the possibility that this success might be rooted in our capacity to kill one other.

Lecture & Book Signing. Free and open to the public. [CHSI PMAE](#)
Visit chsi.harvard.edu for event details

FALL 2018 LECTURE SERIES

EVOLUTION MATTERS

WEDNESDAY, OCTOBER 10, 2018

Genes, Cognition, and Human Brain Evolution



CHRISTOPHER A. WALSH

Bullard Professor of Pediatrics and Neurology, Harvard Medical School; Chief, Division of Genetics and Genomics, Boston Children's Hospital; Investigator, Howard Hughes Medical Institute; Associate Member, Broad Institute of Harvard and MIT

Christopher Walsh will discuss how research on specific genes associated with animal and human brain disorders is helping to clarify the genetic and evolutionary underpinnings of cognitive and social behavior.

THURSDAY, NOVEMBER 8, 2018

Ancient DNA and the New Science of the Human Past



DAVID REICH

Professor, Department of Genetics, Harvard Medical School; Investigator, Howard Hughes Medical Institute; Senior Associate Member, Broad Institute of Harvard and MIT

Sweeping technological innovations in genomics are enabling scientists to extract and analyze ancient DNA. David Reich, author of *Who We Are and How We Got Here*, will discuss the potential of ancient DNA for revealing the history of our species.

Both lectures presented in collaboration with the Allen Discovery Center at Boston Children's Hospital and Harvard Medical School, funded through The Paul G. Allen Frontiers Group

HARVARD
MUSEUM OF
NATURAL
HISTORY

All lectures are free and open to the public.
Geological Lecture Hall, 24 Oxford Street, Cambridge
Free parking: 52 Oxford Street Garage. Event details: hmn.harvard.edu

SUPPORTED BY A GENEROUS GIFT FROM DRS. HERMAN AND JOAN SUIT

FALL 2018 EXHIBITS



Lily Simonson Painting the Deep

June 30, 2018–June 30, 2019

HARVARD MUSEUM OF NATURAL HISTORY

This new exhibit features the extraordinary work of California artist Lily Simonson. Inspired by explorations of deep ocean life made in collaboration with Harvard University Professor Peter Girguis, Simonson presents six original mural-sized paintings that literally glow with luminescent pigments under black light and that together create an immersive visual experience.

Kalahari Perspectives

Anthropology, Photography, and the Marshall Family

September 29, 2018–March 31, 2019

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

The new exhibition will explore the photographic representation of Kalahari people known as the Ju/'hoansi and /Gwi of Namibia. Once pejoratively called Bushmen, they have been—throughout history—photographed and otherwise imaged in an effort to exploit and colonize them. In the 1950s, the Marshall family, based in Cambridge, Massachusetts, launched an effort to document the lives of these people before they were forever transformed. Culled from over 45,000 images, *Kalahari Perspectives* presents a select subset of the Marshalls' photography and guides visitors through a process of actively "reading" the images to better understand their potential to transform perception.



Native American Poets Playlist Poems in the Gallery

October 1–November 30, 2018

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

Enrich your museum visit by listening to an evocative playlist of contemporary poems by Native American authors. Wander freely across the first-floor galleries to see where the poems take you and expand your understanding of Native arts and cultures. The poems, drawn from a powerful new anthology, *New Poets of Native Nations* (edited by Heid E. Erdrich; Graywolf Press) celebrate Native poets first published in the twenty-first century. Join this experiment to hear the exhibits "come into voice" and experience the museum in a new way. Borrow a free audio player with regular museum admission.

Jointly sponsored with the Harvard University Native American Program and the Woodberry Poetry Room, Harvard University



The Rockefeller Beetles

October 20, 2018–Ongoing

HARVARD MUSEUM OF NATURAL HISTORY

Over the span of 90 years, banker and philanthropist David Rockefeller collected beetles from around the world, eventually building a personal collection of more than 150,000 specimens. In 2017, his longstanding support for the entomology department of the Harvard University Museum of Comparative Zoology culminated in a gift to the museum of this extraordinary collection. Join the Harvard Museum of Natural History in celebrating this invaluable gift with a visit to *The Rockefeller Beetles*—a new exhibit that will feature hundreds of specimens from Rockefeller's collection and recount the story of a man whose childhood pursuit grew into a lifelong passion.

FALL 2018 EXHIBITS

Climate Change: Our Global Experiment

Revisiting Climate Change

December 8, 2018–Ongoing

HARVARD MUSEUM OF NATURAL HISTORY

When *Climate Change: Our Global Experiment* opened over a decade ago, it was one of only a few such exhibitions in the country dedicated to raising public awareness about the scientific evidence for climate change and its potential global consequences. Much has changed since then. Global events and ongoing research have transformed both public and scientific understanding.

The addition of an engaging interactive globe simulation several years ago began a process that will culminate in a complete renovation of the exhibition at the end of this year. After a temporary closure that begins Monday, October 29, 2018, the newly renovated and updated exhibit will reopen one month later on Saturday, December 8. Developed in collaboration with the Harvard University Center for the Environment and informed by new research, the new *Climate Change: Our Global Experiment* will offer the latest scientific information about our warming climate, its global and local consequences, and efforts to mitigate and adapt to its effects.



Dreaming the Sphinx

March 1, 2018–Ongoing

HARVARD SEMITIC MUSEUM

New Exhibit Tool Provides 3D Augmented Reality

Visitors can now experience the iconic Egyptian Sphinx and its Dream Stela in 3D augmented reality. The Dream Stela is a tablet-like monument found between the Sphinx's paws. It tells a romantic story; young Prince Thutmose IV falls asleep by the Sphinx, who then appears to him in a dream and offers him the throne if he will liberate the Sphinx from all the sand covering his body.

View a new life-size cast of the Dream Stela in the gallery and use a free museum app on your smartphone or tablet to see translations of the Stela's hieroglyphs. See the Stela surrounded by the Sphinx in 3D as it is now and as it was thousands of years ago. The app can also be used at home.



MUSEUM CLASSES

FAMILY PROGRAMS

Family Programs (families with elementary-age children 5 years+ and one adult required). Fees: \$15 members/\$25 nonmembers. Fees are per person and include museum admission. Reservations required.

Saturday, September 15, 10:30 am–noon HMNH
Exploring Science Together: Owls!
Instructor: Amy Gunzelmann

Saturday, November 3, 10:30 am–noon HMNH
Exploring Science Together: The Ice Age!
Instructor: Amy Gunzelmann

Saturday, December 1
10:30 am–12:00 pm or 1:00–2:30 pm PMAE
Family Workshop: Meet the First People of the Kalahari
Ages 7+ with an adult (No more than 3 children per adult)
Instructor: Elizabeth Antonellis
Location: 11 Divinity Avenue

Saturday, December 8, 1:30–3:30 pm HMNH
Invisible Life: Exploring the World through Microscopes
(Families with children ages 8–13)
Instructors: Scott Chimileski and Amy Gunzelmann

Saturday, January 5, 10:30 am–noon HMNH
Exploring Science Together: Dinosaurs!
Instructor: Amy Gunzelmann

ADULT CLASSES

All skill levels welcome.

Four Consecutive Saturdays
Oct 6, 13, 20 & 27, 9:30–11:30 am HMNH
Drawing the Animals: A Four-week Course
Instructor: Erica Beade
\$110 members/\$130 nonmembers

Saturday, November 3, 9:30–11:30 am HMNH
Herpetological Investigation at the Museum of Comparative Zoology
Instructors: Joe Martinez, Curatorial Assistant, Herpetology Department, Museum of Comparative Zoology, Harvard University
Sofia Prado-Irwin, Doctoral Student, Organismic and Evolutionary Biology, Harvard University
\$45 members/\$55 nonmembers

Saturday, November 10, 10:00 am–12:30 pm PMAE
Taller de pintura de estilo Zapoteca Zapotec-Style Painting Workshop
Workshop will be taught in Spanish with English translation
Instructors: Ventura and Norberto Fabian
\$40 members/\$50 nonmembers
Location: 11 Divinity Avenue

Saturday, December 1, 9:30–11:30 am HMNH
Drawing Birds in Colored Pencil
Instructor: Erica Beade
\$45 members/\$55 nonmembers

All classes are held at 26 Oxford Street unless otherwise indicated.
Advance registration is required. For easy online registration, visit: hmsc.harvard.edu/education

HMSC Lecture Videos

Enjoy our free public lectures wherever you may be at 6:00 pm EST



Each season our lectures and panel discussions span a broad—and very timely—range of topics that springs from the four museums of the HMSC partnership.

Knowing that the audience for these popular events extends far beyond the walls of the Harvard campus, we continue to make nearly all of them available for viewing—with optional professional captioning—on the HMSC website.

Now, for even greater flexibility, the lectures can be enjoyed in real time as they are live streamed over the HMSC Facebook page. The live lectures are then archived on the HMSC website, offering a treasure trove for the intellectually curious nonspecialist, educators, and students, among other audiences.

Follow us on Facebook to find out when new videos are posted and browse the extensive lecture archive at: hmsc.harvard.edu/lecture-videos

Explore More!

GUIDED TOURS

HARVARD MUSEUM OF NATURAL HISTORY

The Ware Collection of Blaschka Glass Models of Plants

Groups can reserve docent-led tours of the famous Blaschka Glass Flowers and *Sea Creatures in Glass* exhibits on Tuesday and Thursday afternoons. Advance registration is required. For registration, capacity, and fee information, visit: hmn.harvard.edu/group-visits

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

Highlights Tours: 45 minutes. Free with regular admission. Led by trained Harvard students.

Drop-in tours designed for adult visitors, led by Harvard student guides on Fridays, Saturdays, and Sundays during the academic year. Group tours may also be scheduled for other times. Available in French, Spanish, or Mandarin by advance request. For schedule, reservation, and tour topic information, visit: peabody.harvard.edu/visit

Quick Stops: 15 minutes. Free. Led by trained Harvard students.

Jump into a lively, informal chat with a trained Harvard student about a few particularly interesting museum artifacts and handle replicas of museum objects. Topics change daily and can focus on anything from Princess Leia, Hopi pots, and gongs to trays of eyes and monuments to the average human. Offered twice a week, reservations not required, and coincide with free admission times for Massachusetts residents. For schedule and location, visit: peabody.harvard.edu/visit.

HARVARD SEMITIC MUSEUM

Lunchtime tours: 30 minutes. Free. Monthly. Led by trained Harvard students.

Free 30-minute lunchtime tours each month. Individualized group tours can also be scheduled. For more information, visit: semiticmuseum.fas.harvard.edu/visit

SELF-GUIDED TOURS

Mobile Gallery Guides

Dreaming the Sphinx: New! See page 17 HSM

From the Nile to the Euphrates: Creating the Harvard Semitic Museum HSM

Digging Veritas: Archaeology and History of the Indian College and Student Life at Colonial Harvard PMAE




The Shop at HMNH

Inspired by the museum collections



HMSC members receive a 10% everyday discount and 25% off during December.

 Follow us on Instagram to see what's new @shop_HMNH

One membership. Four museums... and countless opportunities!

Membership in the Harvard Museums of Science & Culture opens the doors to four museums and provides special access and opportunities. In return, members support everything we do, from free public lectures and educational outreach to new exhibitions.



Museum Access

HMSC members enjoy great benefits that include unlimited admission to all four HMSC museums, the Harvard Art Museums, and science centers worldwide through the ASTC Travel Passport Program.



Additional Benefits

HMSC offers members special prices on classes, discounts in our museum shops, and access to several Harvard libraries. Free parking and guest passes are included at some membership levels.

Exclusive Events

Members receive invitations to exclusive programs, including curator-led exhibit tours and opportunities to go behind the scenes into Harvard's vast museum collections. During recent events, members touched extraordinary fossils from the Museum of Comparative Zoology's paleontology collections, learned about artifacts in the Peabody Museum, and viewed rarely seen gold and jewels from the Mineralogical and Geological Museum. See November 29 Special Member's Night on page 12!

For a full list of benefits or to become a member today, visit hmsc.harvard.edu/membership

Contact the Membership/Development Office
617.496.6972 or members@hmsc.harvard.edu

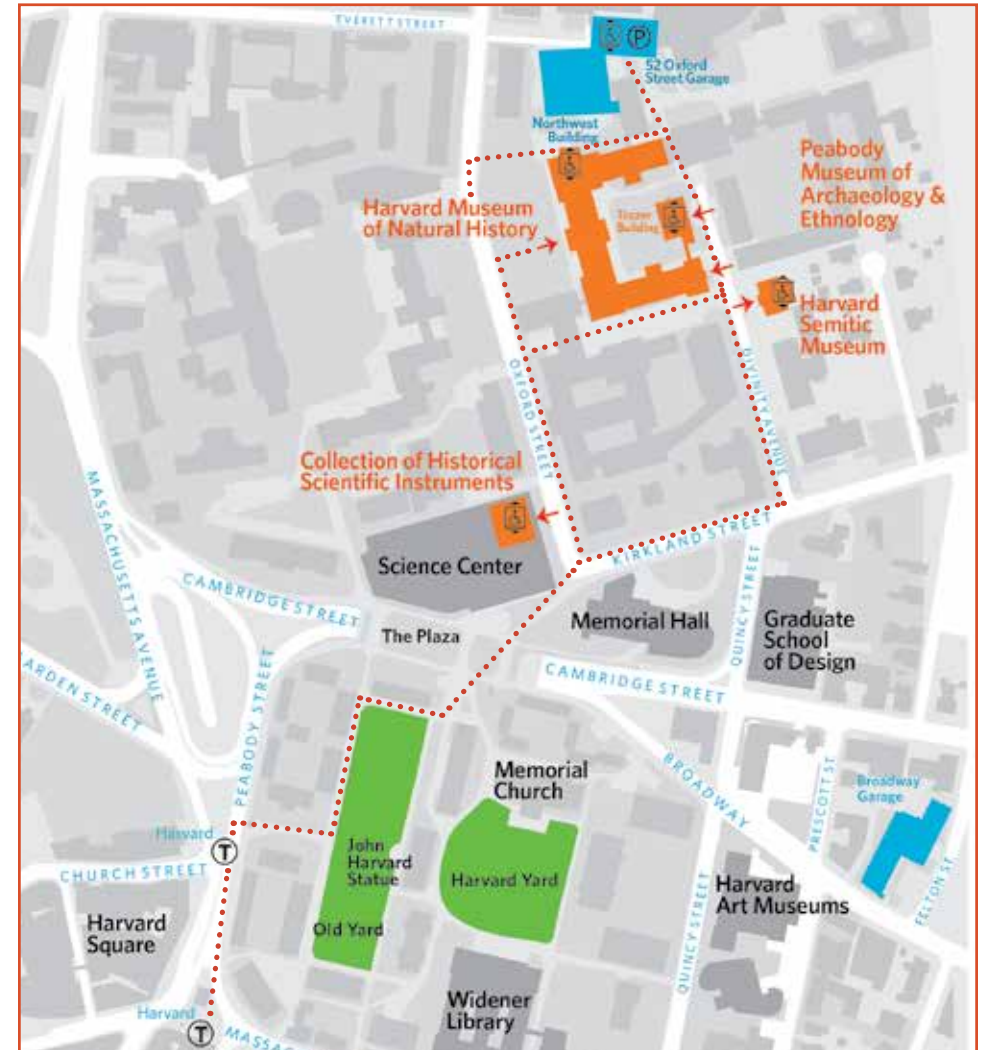


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 Page 16: NOAA National Environmental Satellite, Data, and Information Service
 Page 25: Red Maple (*Acer rubrum*), Ware Collection of Blaschka Glass Models of Plants, Harvard University Herbaria


Plan Your Visit

The four HMSC museums are located within an eight-minute walk from Harvard Square. Traveling by public transportation is strongly recommended, as parking near the museums is limited. Please visit the individual museum websites for directions and information on hours, admission, public transportation, parking, and accessibility, as well as additional information on museum programs, exhibits, and special events.

GENERAL INFORMATION

General HMSC Information: 617-496-1638 / hmsc.harvard.edu

See individual websites for holiday closings

Free event parking is available at the 52 Oxford Street Garage for all events marked with a  (not applicable to classes or exhibitions)

COLLECTION OF HISTORICAL SCIENTIFIC INSTRUMENTS

1 Oxford Street, Cambridge, MA 02138

Information: 617-495-2779 / chsi.harvard.edu

Putnam Gallery: Sunday–Friday, 11:00 am–4:00 pm / closed Saturdays

HARVARD MUSEUM OF NATURAL HISTORY

26 Oxford Street, Cambridge, MA 02138

Information: 617-495-3045 / hmn.harvard.edu

Open daily 9:00 am–5:00 pm

HARVARD SEMITIC MUSEUM

6 Divinity Avenue, Cambridge, MA 02138

Information: 617-495-4631 / semiticmuseum.fas.harvard.edu

Sunday–Friday, 11:00 am–4:00 pm / closed Saturdays

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

11 Divinity Avenue, Cambridge, MA 02138

Information: 617-496-1027 / peabody.harvard.edu



HMSC

FALL 2018 EVENTS CALENDAR

Monday, September 17, 6:00 pm

Saving Coral Reefs in the Florida Keys

James W. Porter

Thursday, September 20, 6:00 pm

Breakpoint

Jeremy Jackson

Monday, September 24, 6:00 pm

Conflict and the Global Threat of Pandemics

Michele Barry

Tuesday, September 25, 6:00 pm

Creating a King for Eternity

Florence D. Friedman

Wednesday, October 3, 6:00 pm

New Poets of Native Nations

Heid E. Erdrich, Tacey M. Atsitty, and
Eric L. Gansworth

Thursday, October 4, 6:00 pm

Conserving Biodiversity

Russell A. Mittermeier

Tuesday, October 9, 6:00 pm

Ancient Brews Rediscovered and Re-Created

Patrick E. McGovern

Wednesday, October 10, 6:00 pm

Genes, Cognition, and Human Brain Evolution

Christopher A. Walsh

Evolution Matters Lecture Series

Thursday, October 11, 6:00 pm

The Cinema of Patience

Michael Ambrosino, Ilisa Barbash, Sue Marshall
Cabezas, Ross McElwee, and Alice Apley

Monday, October 15, 6:00 pm

Can Baby Corals Improve the Reefs of Tomorrow?

Aaron Hartmann

Tuesday, October 16, 6:00 pm

Nature vs. Fiction in Sci-Fi Movies

Miaki Ishii

Thursday, October 18, 6:00 pm

Memories of the Kings and Queens of Kush

Geoff Emberling

Wednesday, October 24, 6:00 pm

Origins of the Silk Roads

Rowan Flad

Thursday, October 25, 12:30–2:00 pm

Archaeology Live

Harvard College Life in Colonial Times

Día de los Muertos/Day of the Dead Celebration at the Peabody Museum

Thursday, November 1, 4:00–8:00 pm

Museum Open House and Evening Celebration

Saturday, November 3, 12:00–4:00 pm

Celebración Familiar/Family Celebration

Wednesday, November 7, 6:00 pm

Photographing Tutankhamun

Christina Riggs

Thursday, November 8, 6:00 pm

Ancient DNA and the New Science of the Human Past

David Reich

Evolution Matters Lecture Series

Wednesday, November 14, 6:00 pm

Origins of the Green Revolution

Gabriela Soto Laveaga

Thursday, November 29, 6:00 pm

The Ghosts of Gombé

Dale Peterson

Thursday, November 29, 5:00–9:00 pm

Member Night at the Harvard Museum of Natural History

Reservations Open October 29

Thursday, December 6, 6:00 pm

The Hunt for Human Nature in Cold War America

Erika Milam

HMSC HARVARD MUSEUMS OF SCIENCE & CULTURE

Harvard University, 26 Oxford Street, Cambridge, MA 02138



Climate Change: Our Global Experiment
Revisiting Climate Change

Renovated Exhibition Opens December 8, 2018

HARVARD MUSEUM OF NATURAL HISTORY