



HARVARD MUSEUMS OF SCIENCE & CULTURE

FALL 2016 PROGRAMS • EXHIBITS • CLASSES

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



One world. Four museums.

Museums create space for lifelong learning, deep insights, and simple wonder. They connect people across time, distance, and cultures, encouraging them to hear different voices and try on different perspectives. In an age when an overload of information may lead to surface understanding, museums serve as oases for deep contemplation, thoughtful curiosity, and engagement with knowledge and concepts.

HMSC provides access to some of the most significant collections anywhere in the world, representing both the beauty and marvel of the planet and the customs and ingenuity of civilizations across time. Our museums draw on those collections to celebrate the natural world, scientific innovation, and human cultural history—but also to tackle important issues.

Embedded in the histories of all the HMSC museums are links to current research and contemporary topics. The Peabody Museum's 150th anniversary is central to this year's programming, and HMSC will take a thoughtful approach to the Peabody's founding—and to the growth of American anthropology and anthropological museums—through the perspective of the late 1800s and the lens of modern-day complexities. We hope you will join us for this—and for all the HMSC exhibits and programs.


Come see the world, in four museums.

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

HMSC

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Free event 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)



Dress ornament

Circular head or dress ornament (*tabzimt* or *tafzimt*), Kabylia, Algeria. Cloisonné, silver, celluloid, enamel, imitation coral, and polymer. Donated by Dr. Charles Pickering Bowditch.

Peabody Museum of Archaeology & Ethnology, PM 46-40-50/5969 (digital file#98520085)



The Hamlin Necklace

Designed and created in the 1890s by Augustus Choate Hamlin, a Harvard Medical School graduate with a passionate interest in gemstones. His father discovered and operated Mt. Mica in Maine, where North American pegmatitic tourmaline was first found in 1820. The necklace consists of colorless beryl and color tourmalines from Mt. Mica. The seventy gemstones total 228.12 carats in weight and range in size from three to thirty-four carats.

Collection of the Mineralogical and Geological Museum, MGMH# GEM2144



Belt buckle

Heart-shaped brass belt buckle, possibly intended for a woman's costume. Inscribed with Quranic verses surrounded by inlaid and inscribed blue stone amulets. Late nineteenth century. Purchased in Constantinople.

Harvard Semitic Museum, 1903.4.2



English watch

Triple-case pocket watch (1700-1725) by N. James, London, with chain attached to a Japanese scaphe sundial. This watch was likely adapted for a Japanese market or made for someone interested in Japanese culture. The movement is gilt brass with a verge escapement, fusee, chain, and cylinder. The watch cock and parts of the upper plate (seen in cover image) are pierced and engraved with strapwork, scrolling acanthus leaves, and a face.

Collection of Historical Scientific Instruments, 7935



Peabody Museum of Archaeology & Ethnology

150th Anniversary Year

Founded in October 1866, the Peabody Museum of Archaeology & Ethnology is one of the oldest museums in the world devoted to anthropology and is known for its remarkably comprehensive collections of cultural objects and for its active collaborations with world communities. The coming year will focus on both the Peabody Museum's early history and its continual relevance to modern complexities. For details, visit: www.peabody.harvard.edu/peabody150

Anniversary Events, Fall 2016

October 6, 6:00 pm (see page 6)

Science, Education, and Character

Reflections on the First Fifty Years of the Peabody Museum, 1866-1916

Curtis Hinsley



October 8, 6:00 pm (see page 6)

Peabody Museum 150th Anniversary

From noon to 4:00 pm, enjoy complimentary birthday cake, live music, hands-on activities, and special exhibits. Enjoy free admission and parking all day.

Race, Representation, and Museums Lecture Series

September 27 (see page 4)

Smashing Agassiz's Boulder

Joseph L. Graves, Jr.

November 3 (see page 12)

Get Them before They're Gone

From Collecting Cultural Objects to Collaborating with Communities

Joe Watkins

November 10 (see page 13)

Walking Backward into the Future

30 Years after *Te Māori*

Maia Nuku

November 29 (see page 14)

Exposing Latent Images

Daguerreotypes in the Museum and Beyond

Ilisa Barbash

December 8 (see page 15)

Understanding Human Variation

Then and Now

Maryellen Ruvolo

COMING THIS SPRING

All the World Is Here

Harvard's Peabody Museum and the Invention of American Anthropology

a new exhibition opening April 22, 2017

The Race, Representation, and Museums Lecture Series continues January–May 2017

Wednesday, September 14, 6:00 pm

Old Kingdom Burial Practices

New Discoveries from Middle Egypt

Marleen De Meyer, Research Associate in Near Eastern Studies, KU Leuven (University of Leuven), Belgium; Assistant Director for Archaeology & Egyptology, Netherlands-Flemish Institute in Cairo, Leiden University

Throughout their history, the ancient Egyptians performed funerary rituals in the forecourts of tombs. While this is apparent from tomb wall scenes and inscriptions, archaeological evidence is scarce. A recent Belgian expedition has searched for traces of these funerary, or cultic, rituals in the forecourts of late Old Kingdom rock-cut tombs at Dayr al-Barsha (Middle Egypt). Marleen De Meyer will discuss expedition findings, including what appears to be the oldest embalming cache ever identified in ancient Egypt and a late Old Kingdom funerary mask that is the first of its kind to come from the provinces. These recent provincial cemetery excavations challenge current notions about funerary practices toward the end of the Egyptian Old Kingdom, or Pyramid Age.

Lecture. Free and open to the public. **HSM**
Northwest Building, Lecture Hall B103, 52 Oxford Street (P)



Thursday, September 15, 6:00 pm

Why So Many Leaf Forms?

Insights from *Viburnum* Evolution

Michael Donoghue, Sterling Professor of Ecology and Evolutionary Biology, Department of Ecology and Evolutionary Biology, Yale University

Why do leaves come in such an extraordinary variety of shapes and sizes? Global patterns in the distribution of different leaf forms provide clues, and multiple hypotheses have been proposed to explain such diversity. Recent work on the evolution of *Viburnum* (a popular group of shrubs) complements studies of global patterns and adds a new hypothesis to the mix. Michael Donoghue will discuss the *Viburnum* research, its relevance to understanding climate change, and the processes by which diverse ecosystems come into existence.

Evolution Matters Lecture Series. Free and open to the public. **HMNH**
Geological Lecture Hall, 24 Oxford Street (P)
Series supported by a generous gift from Drs. Herman and Joan Suit
Presented in collaboration with The Arnold Arboretum of Harvard University



Thursday, September 22, 6:00 pm

Saving Eden

A Work in Progress

Sylvia Earle, Marine Biologist; Explorer-in-Residence and Rosemary and Roger Enrico Chair for Ocean Exploration, National Geographic Society

Justine O'Brien, Scientific Director, SeaWorld and Busch Gardens Reproductive Research Center, SeaWorld Parks & Entertainment

Edward O. Wilson, University Research Professor, Emeritus, Harvard University



The upcoming film, *Saving Eden from the Sixth Extinction*, tells the story of how animals such as northern white rhinos, polar bears, African elephants, and bonobos have been pushed to the brink of extinction and it highlights the critical work that scientists and activists are doing to save these species. Biologists Edward Wilson, Sylvia Earle, and Justine O'Brien—all featured in the film—will discuss how their research is helping to save endangered species and share their views on animal conservation efforts. Excerpts from the film will be screened. *The full-length version will be shown on Saturday, September 24, at 2:00 pm in Haller Hall, 26 Oxford Street*

Film Screening (excerpts) and Discussion. Free and open to the public. **HMNH**
Geological Lecture Hall, 24 Oxford Street ⑩

Advance registration required. Visit website for ticket information: www.hmnh.harvard.edu
Presented in collaboration with Direct Cinema Limited

Tuesday, September 27, 6:00 pm

Smashing Agassiz's Boulder

Joseph L. Graves, Jr., Associate Dean for Research and Professor of Biological Sciences, Joint School of Nanoscience and Nanoengineering, North Carolina A&T State University and the University of North Carolina at Greensboro

In the late nineteenth century, Charles Darwin proposed that all humans share a common ancestor and that evolution likely began in Africa. He expected controversy over his revolutionary idea, even suggesting that Harvard professor Louis Agassiz might “throw a boulder” at him. Today, 157 years after *On the Origin of Species* was published, evolutionary biology has “smashed” Agassiz’s boulder and confirmed that modern humans can all trace their ancestry to Africa. Joseph Graves will discuss accepted scientific facts on human ancestry and consider why these facts are difficult to communicate in our society.



Race, Representation, and Museums Lecture Series

Free and open to the public. **PMAE HMNH**

Northwest Building, Lecture Hall B103, 52 Oxford Street ⑩

Presented in collaboration with the Departments of Anthropology and Human Evolutionary Biology, Harvard University and the Project on Race & Gender in Science & Medicine at the Hutchins Center for African & African American Research, Harvard University

Wednesday, September 28, 6:00 pm

The Epic of Gilgamesh

Andrew George, Professor of Babylonian, School of Oriental and African Studies (SOAS), University of London

The *Epic of Gilgamesh* is a 4,000-year-old Mesopotamian poem about a hero who embarks on an arduous quest to find the secret of immortality. Preserved on clay tablets in cuneiform script, it is generally considered to be the earliest great work of literature to survive from the ancient world. In this illustrated lecture, Andrew George, author of a prize-winning translation of the *Epic of Gilgamesh*, explores four themes related to this Babylonian masterpiece: the archaeology of the poem's recovery, the reconstruction of its text, the story it tells, and its messages about life and death.



Lecture. Free and open to the public. **HSM**

Northwest Building, Lecture Hall B103, 52 Oxford Street (P)

Presented in collaboration with the Departments of Near Eastern Languages & Civilizations and Comparative Literature, with the support of the Provostial Fund for the Arts and Humanities, Harvard University

Wednesday, October 5, 6:00 pm

Extravagant Weapons

The Story behind Arms Races in Animals and People

Douglas Emlen, Professor of Biology, University of Montana

The animal world is full of “weaponry” that has evolved for particular use by specific species: cats have claws, eagles have talons, porcupines have quills, and even the dogs we keep as pets have respectable sets of teeth. While these weapons may be small in some animals, they are massive in other species, and the same is true of weapons manufactured by humans. Douglas Emlen, author of *Animal Weapons: The Evolution of Battle*, will discuss the conditions that trigger arms races in both animals and humans and the role that duels play in this process. A journey that begins with biology becomes the story of all weapons, as Emlen discusses beetles and battleships, crabs and the Cold War.



Evolution Matters Lecture Series and Book Signing

Free and open to the public. **HMNH PMAE**

Geological Lecture Hall, 24 Oxford Street (P)

Series supported by a generous gift from Drs. Herman and Joan Suit

Also of Interest: *Arts of War: Artistry in Weapons across Cultures*, an exhibition at the Peabody Museum of Archaeology & Ethnology

Thursday, October 6, 6:00 pm

Science, Education, and Character

Reflections on the First Fifty Years of the Peabody Museum, 1866–1916

Curtis Hinsley, Regents' Professor Emeritus of History and Comparative Cultural Studies,
Northern Arizona University



The Peabody Museum was founded at a time of epistemological and political turmoil, seven years after the publication of Darwin's *On the Origin of Species* and one year after the end of the Civil War. The chaotic decades following the war proved to be an era of unprecedented economic opportunity, but also a time of corruption, disillusionment, and oppression. In the world of instruction, museums held the promise of teaching not only scientific facts, but proper values as well; a museum of anthropology might serve a vital moral function in the emerging society. As Peabody director Frederic Putnam wrote in 1891: "Many an indifferent idler straggling into a well-arranged museum goes forth with new ideas and fresh interests" to enrich "an otherwise aimless and weary life." In this lecture Curtis Hinsley will consider the hopes and intentions of the Peabody Museum in its early years.

Lecture. Free and open to the public. **PMAE**
Geological Lecture Hall, 24 Oxford Street ⑩

Saturday, October 8, 9:00 am–5:00 pm

Peabody Museum 150th Anniversary

Free Admission to the Museum from 9:00 am–5:00 pm



Observe 150 years of the Peabody Museum—one of the first archaeological and ethnographic museums in the world—with free admission to the galleries all day. From noon to 4:00 pm, enjoy complimentary birthday cake, live music, and hands-on activities. See treasures rarely on exhibit, meet museum staff responsible for stewarding one of the finest collections of human cultural history, and visit the Zooarchaeology Lab to touch and identify animal bones.

Special Event (all ages). Free and open to the public. **PMAE**
Event details: www.peabody.harvard.edu/peabody150
11 Divinity Avenue ⑩

Thursday, October 13, 6:00 pm

Sharing the Rough

Film Screening and Panel Discussion

Orin J. Mazzoni III, Film Director and Graduate Gemologist

Judd Rottenberg, Graduate Gemologist, Long's Jewelers

Monica Stephenson, Founder & President, ANZA Gems

The world of colored gemstones is dominated by individual miners and artisans, each with a unique and powerful story to tell. *Sharing the Rough* is an award-winning film that explores the artisanal world of colored gemstones: from the hands of the East African miners who bring these treasures to the surface and the gem cutters who breathe life into the rough stone to the designers who accentuate the beauty of each gem through precious metals and innovative design. The film also documents the challenges of East Africa's growing mining economy.

Film Screening (85 min.). Free and open to the public. **HMNH**

Geological Lecture Hall, 24 Oxford Street (P)

Presented in collaboration with the American Gem Society and

ALCHEMY 9•2•5



Tuesday, October 18, 6:00 pm

Climate, Water, and the Evolution of Early Societies

From the Tropical Maya Lowlands to the Arid Puebloan Southwest

Vernon L. Scarborough, Distinguished University Research Professor and

Charles P. Taft Professor, Department of Anthropology, University of Cincinnati

The earliest complex societies found in the Western Hemisphere developed under very different environmental conditions. The Maya, for instance, emerged in the tropical lowlands of the Yucatan Peninsula, a region with high seasonal rainfall and rich biodiversity. The Puebloans, in contrast, developed in the semiarid region of what is today Arizona and New Mexico, an area with limited rainfall and biodiversity. Vernon Scarborough will discuss two important archaeological sites from these different ecological and cultural zones—Tikal in Guatemala and the Chaco Canyon in New Mexico—to illustrate how the availability of water and climate influence the evolution of societies and what we can learn from these historical precedents.

Gordon R. Willey Lecture and Reception

Free and open to the public. **PMAE**

Geological Lecture Hall, 24 Oxford Street (P)



Wednesday, October 19, 6:00 pm

King Tut and the Camera

Photography and Archaeology in Colonial Egypt

Christina Riggs, Reader in Art History and World Art Studies, University of East Anglia, England



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 and its contents. These images, however, are more than simple records of an excavation. Burton's photographic styles and subjects, and the sale and use of his photographs in the press, reflect conflicting interests at a time when Egypt had finally earned some independence from British colonial rule. Christina Riggs will discuss why photography mattered so much to Carter and how the camera helped create "King Tut" at a pivotal time for both Egypt and archaeology.

Lecture. Free and open to the public. **HSM**

Northwest Building, Lecture Hall B103, 52 Oxford Street 

Presented with support from the Marcella Tilles Memorial Fund

Thursday, October 20, 6:00 pm

Lessons from the Dodo

Saving Species and Rebuilding Ecosystems in Mauritius

Carl Jones, Chief Scientist, Durrell Wildlife Conservation Trust and Scientific Director, Mauritian Wildlife Foundation

Conservation pioneer Carl Jones, recipient of the 2016 Indianapolis Prize for his efforts to save species on the brink of extinction, will discuss how his decades of work have directly revitalized multiple endangered animal populations and habitats—most famously, perhaps, the Mauritius kestrel. With only four kestrels left on Earth, Jones' techniques not only changed the fate of those birds, but also ensured a thriving population, now nearing 400. Jones will offer insights into restoring both individual species and the ecosystems of Mauritius. He will highlight his journey to save the Rodrigues fruit bat, pink pigeon, echo parakeet, and others from disappearing forever and describe his innovative approach to rebuilding the Mauritian habitat using ecological replacements for extinct animals.



Lecture. Free and open to the public. **HMNH**

Geological Lecture Hall, 24 Oxford Street 

Series presented in collaboration with the Indianapolis Prize

Monday, October 24, 7:00 pm

I Am the People (Je suis le peuple)

Film Screening and Discussion with Director

Directed by Anna Roussillon, a French filmmaker raised in Cairo, *I Am the People* (2014) portrays a rural Egyptian community's response to the revolution in Tahrir Square and its political aftermath, from the overthrow of Hosni Mubarak to the fall of Mohamed Morsi. The film shows how a rural community follows national politics—through TV, radio, and newspapers—presenting an alternate experience of the revolution. Winner of the 2015 John Marshall Award for Contemporary Ethnographic Media at the Camden International Film Festival.

Film Screening (111 min.). Tickets available online and at door. **PMAE**

\$9 members and students/\$11 general public

Visit website for ticket information: www.peabody.harvard.edu

Brattle Theater, 40 Brattle Street, Cambridge, Massachusetts

Presented in collaboration with Documentary Educational Resources, The DocYard, a program of the LEF Foundation, and the Center for Middle Eastern Studies, Harvard University



Tuesday, October 25, 6:00 pm

The International Women's Day Radio Project

Bringing Women's Voices to the Airwaves

Melanie Berzon, Operations Director and Host of *Jazz in the Afternoon*, KCSM Radio

Eileen Bolinsky, Producer and Editor, NPR's *Here & Now* at WBUR

Madge Kaplan, Director of Communications and Host of *WIHI*, Institute for Healthcare Improvement

Anita McFadden, Global Marketing Manager for Talent Acquisition, Medtronic

Kate Rushin, Poet and Educator

Moderated by Evelyn M. Hammonds, Barbara Gutmann Rosenkrantz Professor of the History of Science, Professor of African and African American Studies, and Director of the Project on Race & Gender in Science & Medicine at the Hutchins Center for African and African American Research, Harvard University

During the 1970s and 1980s, Boston was a hub of the second wave of the feminist movement in the United States. One unique event, produced by the feminist community in Boston each spring, was the celebration of women's music, poetry, and commentary during a 24-hour radio broadcast in honor of International Women's Day. This broadcast became a prominent feature of the annual national celebration. It gave voice to the diversity of the women's movement at a time when mainstream radio (and other media) rarely covered women's issues. Join us for a panel discussion with several women who were leaders in the groundbreaking International Women's Day Radio Project.

Panel Discussion. Free and open to the public. **CHSI**

Visit website for location: www.hmsc.harvard.edu 

Also of Interest: *Radio Contact: Tuning In to Politics, Technology, and Culture*, an exhibition at the Collection of Historical Scientific Instruments, open through December 9, 2016



Día de los Muertos/Day of the Dead

Events will be held at the Peabody Museum of Archaeology & Ethnology
11 Divinity Avenue, Cambridge (P)

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. For details, visit: www.peabody.harvard.edu.



Saturday, October 29, 7:00-10:00 pm

Evening Celebration

Celebrate the Day of the Dead with a festive evening of music, food, and community. Remember departed loved ones in front of this year's Día de los Muertos altar, savor traditional Mexican food, and enjoy lively Mexican music.

Special Event. Advance tickets required **PMAE**
Tickets available online starting October 4



Sunday, October 30, 12:00-4:00 pm

Family Celebration

Live mariachi music helps to make this a joyful event designed to remember and welcome back the spirits of loved ones. Decorate a sugar skull, make *papel picado* (cut-paper banners) and other artwork, and write a message to place upon the Día de los Muertos altar. View the community altar artwork by students from Cambridge's Amigos School.

Family Event. No advance ticket required **PMAE**
Snacks and activities free with regular museum admission. Skull decorating fee: \$5 per skull



Wednesday, November 2, 6:00 pm

Sea Creatures in Glass

Elizabeth R. Brill, Sea Creatures Preservation Specialist

David O. Brown, Photographer and Filmmaker

Gonzalo Giribet, Professor of Organismic and Evolutionary Biology, Department of Organismic and Evolutionary Biology; Curator of Invertebrate Zoology, and Alexander Agassiz Professor of Zoology, Museum of Comparative Zoology, Harvard University

James Hanken, Professor of Biology, Department of Organismic and Evolutionary Biology; Curator in Herpetology, Alexander Agassiz Professor of Zoology, and Director, Museum of Comparative Zoology, Harvard University



Many years before they were commissioned by Harvard University to make the famed Glass Flowers, father and son artists Leopold and Rudolf Blaschka meticulously shaped glass into lifelike models of marine and terrestrial animals. Renowned for their beauty and exacting detail, the Blaschka invertebrate models were commissioned by universities and museums throughout the world during the nineteenth century. In celebration of the publication of *Sea Creatures in Glass: The Blaschka Marine Animals at Harvard*, this program will highlight the history, artistry, conservation, and relevance of Harvard's collection of 430 invertebrate models to marine science today.

Lecture and Book Signing. Free and open to the public. **HMNH**

Geological Lecture Hall, 24 Oxford Street (P)

On View in the Harvard Museum of Natural History:

Sea Creatures in Glass

Glass Flowers: The Ware Collection of Blaschka Glass Models of Plants



JUST PUBLISHED

Sea Creatures in Glass

The Blaschka Marine Animals at Harvard

Elizabeth R. Brill and Florian Huber

Photography by David O. Brown

\$24.95 / paperback / 112 pages

ISBN: 978 1 78551 043 4

Available in The Shop at HMNH and Amazon.com

Thursday, November 3, 6:00 pm

Get Them before They're Gone

From Collecting Cultural Objects to Collaborating with Communities

Joe Watkins (Choctaw Nation of Oklahoma), Adjunct Associate Professor,
Department of Anthropology, University of Maryland



The United States was in the early stages of Reconstruction when Congress passed the Civil Rights Act of 1866, mandating that “all persons born in the United States” with the exception of American Indians be declared citizens. That December, the tension between the U.S. government and Indian nations intensified as Lakota Chief Red Cloud launched one of the most successful wars against the United States in Wyoming. Between these two events, on October 8, 1866, the Peabody Museum was established and began to collect Native American artifacts. Within this historical context, Joe Watkins will discuss how the museum’s work has shifted since its founding—from collecting artifacts of cultures to collaborating with Native communities.

Race, Representation, and Museums Lecture Series

Free and open to the public. **PMAE**

Geological Lecture Hall, 24 Oxford Street ②

Presented in collaboration with the Departments of Anthropology and Human Evolutionary Biology, Harvard University and the Harvard University Native American Program

Wednesday, November 9, 6:00 pm

From Jazz to Hip Hop

Radio as a Turnstile between White and African-American Cultures

Susan J. Douglas, Catherine Neafie Kellogg Professor of Communication Studies
The University of Michigan



Since the 1920s, radio has brought African-American music, voices, and humor into American homes. African-American culture, through radio, helped shape the tastes, cultural practices—indeed the very identities—of many white people, especially youth. Susan Douglas will review this history and argue that despite segregationist employment practices within the industry and racist depictions on the air, radio was the most desegregated of all mass media in the twentieth century. As a medium that denied sight to its audience, radio played a key role in breaking down racial barriers in the United States.

Lecture. Free and open to the public. **CHSI**

Visit website for location: www.hmsc.harvard.edu ②

Also of Interest: *Radio Contact: Tuning In to Politics, Technology, and Culture*, an exhibition at the Collection of Historical Scientific Instruments, open through December 9, 2016.

Thursday, November 10, 6:00 pm

Walking Backward into the Future

30 Years after *Te Māori*

Maia Nuku, Evelyn A. J. Hall & John A. Friede Associate Curator for Oceanic Art,
The Metropolitan Museum of Art

In 1984, The Metropolitan Museum of Art in New York staged a landmark exhibition of Māori art that became a significant milestone in the cultural renaissance of the Māori. Notable for the fact that Māori elders and leaders were involved in curatorial decisions from the outset, it was also—remarkably—the first occasion when Māori art was presented in an international context as art. Thirty years later, Maia Nuku will consider the continuing challenges and opportunities for museums involved in the exhibition and display of Pacific art. How can we best navigate disciplinary boundaries between art (or science) and ethnography—and engage diverse audiences with the dynamic aspects of these collections?



Race, Representation, and Museums Lecture Series

Free and open to the public. **PMAE**

Geological Lecture Hall, 24 Oxford Street (P)

Presented in collaboration with the Departments of Anthropology and Human Evolutionary Biology, Harvard University

Tuesday, November 15, 6:00 pm

Yes, Humans Really Are Causing Earthquakes

Justin Rubinstein, Research Geophysicist and Deputy Chief of the Induced Seismicity Project,
Menlo Park Science Center, U.S. Geological Survey

In 2009, the central United States began to experience an unprecedented surge in earthquakes. They soared from an average of 21 per year to over 650 in 2014 alone. This increased seismicity has been found in just a few regions of the country, with a majority in Oklahoma, and is limited to areas of new and emerging oil and gas production. Rubinstein will discuss the many ways in which humans can cause earthquakes, how local geological conditions can influence their impact, and how scientists measure and analyze seismicity. He will also address the actions that states are taking to minimize or stop human-induced earthquakes and how academic scientists, regulators, and the oil and gas industry are collaborating in these efforts.



Lecture. Free and open to the public. **HMNH**

Geological Lecture Hall, 24 Oxford Street (P)

Presented in collaboration with the Incorporated Research Institutions for Seismology and the Seismological Society of America

Wednesday, November 16, 6:00 pm

Emma B. Andrews and the Golden Age of Egyptian Archaeology

Sarah L. Ketchley, Lecturer, Department of Near Eastern Languages and Civilization, University of Washington



Emma B. Andrews is best remembered for her association with Theodore M. Davis, the American millionaire lawyer-turned-archaeologist and antiquities collector, who donated many spectacular Egyptian objects to the Harvard Semitic Museum. Traveling to Egypt with him between 1889 and 1912, Andrews kept detailed journals of their voyages along the Nile, including Davis' under-reported excavations of significant tombs in the Valley of the Kings. These diaries provide vital commentary on both the archaeology and the pioneering Egyptologists of that era. Sarah Ketchley will discuss a major project to digitize Andrews' diaries and explain why they are an invaluable resource in understanding the lives of the colonial gentry and the cultural and scientific literati in Egypt at the dawn of the twentieth century.

Lecture. Free and open to the public. **HSM**
Northwest Building, Lecture Hall B103, 52 Oxford Street ⑩

Tuesday, November 29, 6:00 pm

Exposing Latent Images

Daguerreotypes in the Museum and Beyond

Ilisa Barbash, Curator of Visual Anthropology, Peabody Museum of Archaeology & Ethnology



Among the Peabody Museum's most important and controversial objects are fifteen daguerreotypes of African and African-American slaves from 1850, taken by Joseph Zealy. They were acquired by Louis Agassiz, the first director of Harvard's Museum of Comparative Zoology (MCZ), who hoped they would bolster the erroneous theory of polygenesis which held that people of different races were of different species. A contemporary of Darwin's, Agassiz never published these images and they remained unexamined until discovered in a Peabody attic in 1976. Ilisa Barbash will discuss how scholars and artists have used these portraits in discussions and depictions of race, photography, vision, gender, power, the body, and anthropology.

Race, Representation, and Museums Lecture Series

Free and open to the public. **PMAE**
Geological Lecture Hall, 24 Oxford Street ⑩

Presented in collaboration with the Departments of Anthropology and Human Evolutionary Biology, Harvard University

Wednesday, November 30, 6:00 pm

Sustainable Tourism on a Finite Planet

Megan Epler Wood, Director, International Sustainable Tourism Initiative, Center for Health and the Global Environment, Harvard T.H. Chan School of Public Health, Harvard University

Megan Epler Wood will draw from her new book, *Sustainable Tourism on a Finite Planet*, to explore how the growth of the global tourism economy over the next 20 years will affect vital natural and social treasures worldwide. She will present visualizations of the impact of unmanaged growth and present far-reaching thoughts on the type of reforms required to lower tourism's impacts and protect the health of local populations, ecosystems, cultures, and monuments worldwide.

Lecture. Free and open to the public. **HMNH**

Geological Lecture Hall, 24 Oxford Street ①

Presented in collaboration with the Center for Health and the Global Environment, Harvard T.H. Chan School of Public Health



Thursday, December 8, 6:00 pm

Understanding Human Variation

Then and Now

Maryellen Ruvolo, Professor of Human Evolutionary Biology, Department of Human Evolutionary Biology; Affiliate Member of the Department of Organismic and Evolutionary Biology, Harvard University; Associate Member of the Broad Institute of the Massachusetts Institute of Technology and Harvard University

The current scientific view of human origins and genetic variation holds that all humans belong to a single species. Revolutionary genetic research tools have revealed that human genetic diversity is low relative to other species, that human populations have only recently diverged from one other, and that the small degree of genetic differentiation among living human populations is linked primarily to adaptations to differing environments. Maryellen Ruvolo will discuss how this consensus on human evolutionary biology contrasts sharply with beliefs held in the previous century.

Race, Representation, and Museums Lecture Series

Free and open to the public. **PMAE HMNH**

Geological Lecture Hall, 24 Oxford Street ①

Presented in collaboration with the Departments of Anthropology and Human Evolutionary Biology, Harvard University



UPCOMING



NEXT OF KIN

Seeing Extinction through the Artist's Lens

Opens Saturday, December 17, 2016. Harvard Museum of Natural History

We live in a time when an alarming array of plants and animals struggle to even exist in a world that is increasingly dominated and altered by an exploding human population. Showcasing the work of artist Christina Seely, in collaboration with Susannah Sayler and Edward Morris of The Canary Project, this exhibition presents a provocative and powerful new perspective on the biodiversity extinction crisis. *Next of Kin: Seeing Extinction through the Artist's Lens* uses special photography techniques, lighting and sound design, and specimens carefully chosen from the collections of Harvard's Museum of Comparative Zoology to generate an exchange between the viewer and animal kingdom and evoke empathy with our "next of kin."

RELATED LECTURES

Saving Eden: A Work in Progress

see page 4

Lessons from the Dodo: Saving Species and Rebuilding Ecosystems in Mauritius

see page 8

Sustainable Tourism on a Finite Planet

see page 15

EXHIBITS

NASCA CERAMICS

Ancient Art from Peru's South Coast

Opens Saturday, October 1, 2016

Peabody Museum of Archaeology & Ethnology

Adorned with vibrant hues and intricate designs, ceramic vessels made by the Nasca people are a strikingly beautiful testament to a culture that flourished along Peru's arid southern coast 2,000 years ago. Although these people are perhaps most famous for the "Nazca Lines," massive animal-shaped earthworks visible from above, this new exhibit will examine this culture through its unique pottery style. Nasca artisans fashioned bowls, jars, and plates from coiled and modeled clay and painted them using 15 different mineral pigments—one of the most diverse palettes known in the Americas.



FALL 2016 EXHIBIT CLOSINGS MARK YOUR CALENDAR



In Fine Feather

Selected Featherwork from the Peabody Collections

Through September 11, 2016

Peabody Museum of Archaeology & Ethnology



Islands

Evolving in Isolation

Through November 6, 2016

Harvard Museum of Natural History



Radio Contact

Tuning In to Politics, Technology, and Culture

Through December 9, 2016

Collection of Historical Scientific Instruments

Kids' Drawing Classes

Capturing Skeletons with Pencil and Paper (Ages 9–13)

Erica Beade, Artist and Educator
Saturday, October 29, 2:00–3:30 pm
\$25 members/\$35 nonmembers **HMNH**

Capturing Birds of Prey with Pencil and Paper (Ages 9–13)

Erica Beade, Artist and Educator
Saturday, November 19, 2:00–3:30 pm
\$25 members/\$35 nonmembers **HMNH**

Capturing Imaginary Animals with Pencil and Paper (Ages 9–13)

Erica Beade, Artist and Educator
Saturday, December 10, 2:00–3:30 pm
\$25 members/\$35 nonmembers **HMNH**

Adult Classes

All skill levels welcome

The Art of Drawing Birds

Erica Beade, Artist and Educator
Saturday, September 24, 9:30 am–12:30 pm
\$40 members/\$50 nonmembers **HMNH**

Drawing the Animals: A Four-week Course

Erica Beade, Artist and Educator
Four Saturdays: October 8, 15, 22, and 29
9:30–11:30 am
\$110 members/\$130 nonmembers **HMNH**

Turtles, Tortoises, and Terrapins: An Introduction to the Shelled Reptiles

Joe Martinez, Instructor
Saturday, November 5, 9:30 am–12:00 pm
\$40 members/\$50 nonmembers **HMNH**

Investigating the Science of Avian Coloration through Observational Drawing

Erica Beade and Allison Shultz, Instructors
Saturday, December 3, 9:30 am–12:30 pm
\$45 members/\$55 nonmembers **HMNH**

Family Classes

A learning experience for adults and children to share. Designed for families with elementary-age children (age 5+), with at least one adult required. Fees are per person.

Exploring Science Together: Owls!

Amy Gunzelmann, HMNH Science Educator
Saturday, September 17, 10:30 am–12:00 pm
\$10 members/\$20 nonmembers **HMNH**

Exploring Science Together: The Ice Age!

Amy Gunzelmann, HMNH Science Educator
Saturday, November 19, 10:30 am–12:00 pm
\$10 members/\$20 nonmembers **HMNH**

Hidden Diversity: Amphibian Adaptations

Mara Laslo, Instructor, Harvard University
Saturday, December 10, 10:30 am–12:00 pm
\$10 members/\$20 nonmembers **HMNH**

Exploring Science Together: Dinosaurs!

Amy Gunzelmann, HMNH Science Educator
Saturday, January 7, 10:30 am–12:00 pm
\$10 members/\$20 nonmembers **HMNH**



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

Visit the HMNH website for additional learning opportunities at the museum, including an extensive selection of educational videos: www.hmnh.harvard.edu

LEARN MORE ABOUT THE MUSEUMS

The Harvard Museums of Science & Culture offer opportunities for visitors to learn more about current exhibitions, the thousands of artifacts and specimens on display, and the Harvard collections from which they draw. Sign up for a museum/gallery tour or take advantage of one of HMSC's self-guided tours.



Guided Tours

Glass Flowers Tours

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. Select "Groups" on the "Visit" page at: www.hmnh.harvard.edu for registration, capacity, and fee information.

Harvard Semitic Museum Tours

The museum offers free half-hour lunchtime tours each month; individualized group tours can also be scheduled. Go to the "Visit" page at www.semiticmuseum.fas.harvard.edu for more information.

Peabody Museum 150th Anniversary Highlights Tours

The Peabody Museum offers 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. See website for schedule and reservation information: www.peabody.harvard.edu/visit.

Self-guided Tours

Mobile Gallery Guides

Enhance your visit with additional multimedia for your cell phone or tablet.

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

Islands: Evolving in Isolation On exhibit through November 6, 2016 **HMNH**

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



One Membership. Four Museums. Upcoming Member Events

BEHIND-THE-SCENES MEMBER EVENT

Annual Night at the Harvard Museum of Natural History

Tuesday, December 6, 5:00 pm

Enjoy a free, members-only Night at the Harvard Museum of Natural History featuring behind-the-scenes tours, holiday shopping, and extended exhibit hours.

This always-popular and festive member event is a great time to explore new exhibits, meet fellow members while enjoying seasonal refreshments, and use your generous holiday member discount on unique gifts and minerals from The Shop at HMNH.

Sign up for tours of the Mineralogical & Geological Museum's collection storage and see beautiful minerals, sparkling gemstones, and otherworldly treasures as museum staff talk about their work and the collections.

Stay tuned for tour details and registration information!



HMSC Membership

Harvard Museums of Science & Culture members enjoy great benefits including free museum admission, special event invitations, and more. But did you know membership also supports the museums' public lectures, programs, exhibitions, and educational outreach?

Show your support and become a member today!

Explore the membership website for more information on benefits, member levels, and to join online.

Join or renew online today

visit: www.hmsc.harvard.edu/membership

Contact the Membership/Development office for more information

email: members@hmsc.harvard.edu

call: 617-496-6972

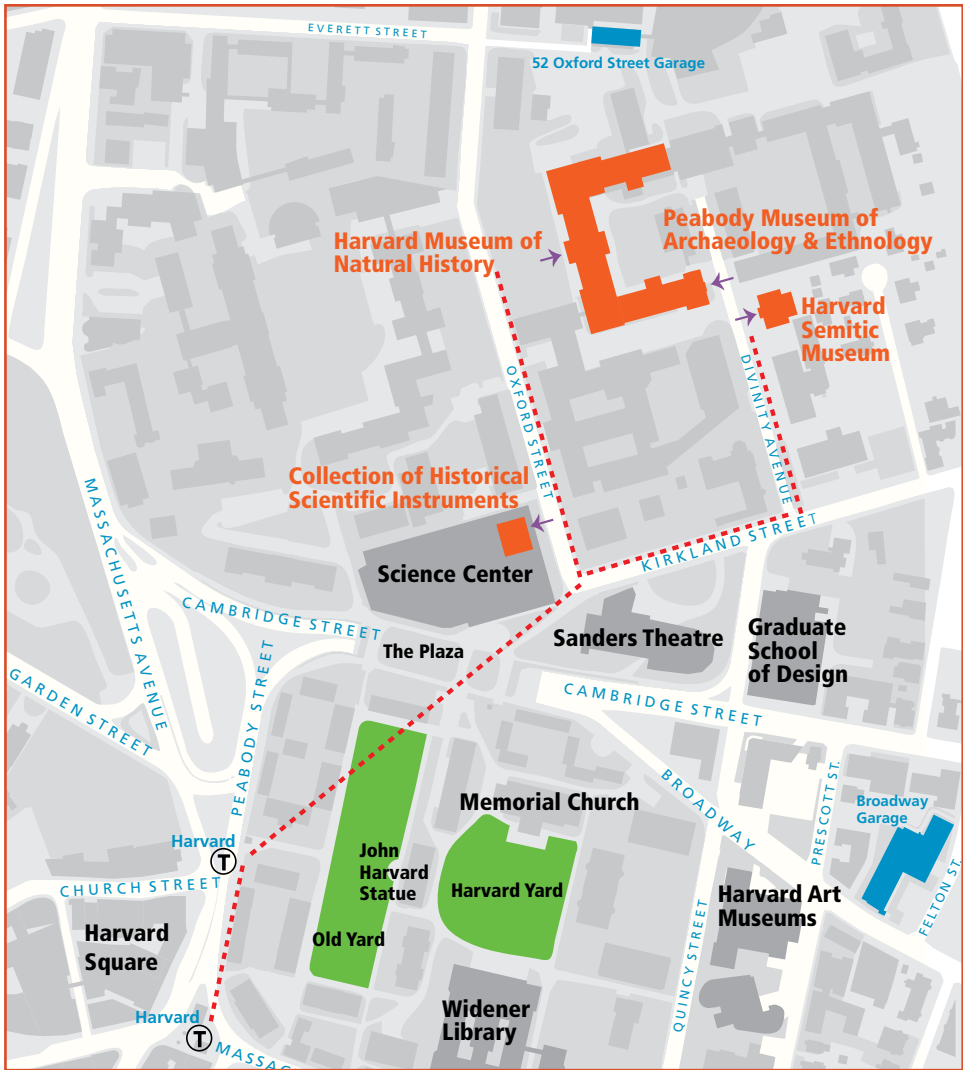


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HMSC HARVARD MUSEUMS OF SCIENCE & CULTURE

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The Glass Flowers at Harvard