



# HARVARD MUSEUMS OF SCIENCE & CULTURE

FALL 2019 PROGRAMS • EXHIBITS • CLASSES

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





Dried and partly smoked herring. Records show that the fish were dried around 1939 by Caroll Brown Mingo, Mashpee Wampanoag, Massachusetts. PM 39-42-10/18404. Gift of Robert Kornfeld, 1939.

## One world. Four museums.

The Harvard Museums of Science & Culture are at the heart of a community dedicated to being at the forefront of research, teaching, and learning. As the public face of several Harvard museums, we aim to share the excitement and relevance of the University's diverse scholarship and to offer rewarding learning experiences for all ages.

Our fall programs span a broad range of topics as vital and diverse as the museums themselves. We mark the United Nations International Year of Indigenous Languages with discussions about revitalizing heritage languages and maintaining strong multilingual identities. Learn how spectacular creatures such as *Tyrannosaurus* became intertwined with commerce, philanthropy, and the popular imagination during America's Gilded Age. Discover how new technologies are advancing our understanding of Egyptian mummies, and evaluate the perils and promise of current solar geoengineering projects.

We welcome 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**

## TABLE OF CONTENTS

Evolution Matters	2
Programs	3-14
Exhibits	15-17
Classes	18-19
Museum Tours	20
The Shop at HMNH	21
Become a Member	22
Neighborhood Map	23
Plan Your Visit	24
At-a-Glance Calendar	25

Free parking is available at the 52 Oxford Street Garage for all events marked with a (not applicable to classes or exhibitions). The October 21 event will have free parking at the Broadway Garage, 7 Felton Street.

### FRONT COVER IMAGES (clockwise from top left)



#### Pale Green Blown-Glass Juglet

Late Roman, ca. third-fifth century CE. A typical piece of Late Roman tableware.

Harvard Semitic Museum #1892.3.11



#### Toledo Scale

Marked "NO-SPRINGS, HONEST-WEIGHT," this Toledo mercantile scale relied on a pendulum and gravity to find an object's weight. Although fitting at a deli counter, this scale was used in the Harvard department of psychology in the early twentieth century.

Collection of Historical Scientific Instruments #WJ0227



#### Glass Model of a Banana Flower

The Ware Collection of Blaschka Glass Models of Plants, Harvard University Herbaria/Harvard Museum of Natural History.

Photography by Natalja Kent.

Banana, *Musa × paradisiaca* (Model 693), Rudolf Blaschka, 1903



#### Moche Water Bottle

Water bottle, animal form. Ceramic stirrup spout bottle, animal with bird on head. Moche. Peru/La Libertad Region/Chicama Valley. The DeMilhau South American Expedition, 1906-1909.

Peabody Museum of Archaeology & Ethnology #09-3-30/75624.1

All images on spread © President and Fellows of Harvard College

## FALL 2019 LECTURE SERIES

at the Harvard Museum of Natural History

# EVOLUTION MATTERS

CELEBRATING TEN YEARS EXPLORING  
NEW IDEAS IN EVOLUTIONARY SCIENCE

Thursday, October 10, 6:00 pm

### An Evolutionary Journey through Domestication



**BARBARA SCHAAL**

Mary-Dell Chilton Distinguished Professor of Biology and Dean of the Faculty of Arts & Sciences, Washington University in St. Louis

As the earliest farmers began to select wild plants and animals that had desirable traits, they initiated a series of genetic changes in these species that gradually made them more suitable for agriculture. Barbara Schaal will discuss how the artificial selection of these species has influenced their genetics, evolution, and capacity to flourish in the care of humans.

Thursday, November 7, 6:00 pm

### Adversity, Belonging, and Survival among Baboons



**SUSAN ALBERTS**

Robert F. Durden Professor of Biology and Evolutionary Anthropology, Duke University

The social environment has major effects on human health and survival. But how and why does it get “under the skin” to also affect our physical health? Susan Alberts will look at how the balance between the challenges and opportunities of social life affects health and belonging in both humans and baboons.

Free and open to the public • Geological Lecture Hall • 24 Oxford Street • Cambridge  
Complimentary parking at the 52 Oxford Street Garage • [hmn.harvard.edu](http://hmn.harvard.edu)

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

Thursday, September 12, 4:30–6:00 pm

### Maintaining Heritage Languages in Our Communities

**GABRIELA BADILLO**

Creative Director, 68 Voices, 68 Hearts, Mexico City

**MAUNG NYEU**

Founder and Executive Director, Our Golden Hour; Ph.D. candidate, Harvard Graduate School of Education

**MARIA LUISA PARRA-VELASCO**

Founder, Multilingual Family Resource Center; Senior Preceptor, Department of Romance Languages and Literatures, Harvard University

How can people retain the strength of their identities when their language is attacked, denied, or just lost through lack of practice and resources? What can be done to ensure that culturally and linguistically sustainable practices are embedded in teaching, parenting, and social activities? Participate in a discussion about revitalizing languages and creating strong multilingual identities to mark the United Nations International Year of Indigenous Languages. Spend time with our presenters, watch short animations, view children’s books, and discuss ways to support multicultural communities using these tools.

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

Geological Lecture Hall, 24 Oxford Street



Saturday, September 14, 2:00–4:00 pm

### Animated Tales for All

Watch a vibrant collection of short animations narrated in some of the sixty-eight Indigenous languages of Mexico. Created by Mexican designer Gabriela Badillo and selected from her project, 68 Voices, 68 Hearts, these films help foster pride, respect, and the use of Indigenous Mexican languages. The family-friendly stories have English subtitles and are based on legends and poems from native communities. The event includes a Q&A with Badillo in English and Spanish, an authentic Mexican snack, and a chance to learn phrases in one of Mexico’s Indigenous languages.

Family Event: \$10 members/\$15 nonmembers. **PMAE**

Adult fee includes up to three children (ages 3–18) and museum admission

Visit [peabody.harvard.edu](http://peabody.harvard.edu) for event details

Advance registration required by Friday, September 13

Tuesday, September 17, 6:00 pm

## Assembling the Dinosaur

LUKAS RIEPPEL

David and Michelle Ebersman Assistant Professor of History, Brown University



Dinosaur fossils were first found in England, but a series of late-nineteenth-century discoveries in the American West turned the United States into a world center for vertebrate paleontology. Around the same time, the United States also emerged as an economic powerhouse of global proportions, and large, fierce, and spectacular creatures like *Tyrannosaurus*, *Brontosaurus*, and *Triceratops* became powerful emblems of American capitalism. Tracing the links among dinosaurs, capitalism, and culture during this era, Lukas Rieppel reveals how these giant reptiles became intertwined with commercial culture, philanthropic interests, and the popular imagination during America's long Gilded Age.

Lecture and Book Signing. Free and open to the public. **HMNH CHSI**  
Geological Lecture Hall, 26 Oxford Street

Wednesday, September 18, 6:00 pm

## The Ancient Maya Response to Climate Change

A Cautionary Tale

BILLIE L. TURNER II

Regents Professor and Gilbert F. White Professor of Environment and Society, School of Geographical Sciences and Urban Planning and the School of Sustainability, Arizona State University



Ancient Maya civilization—known for its cities, monumental architecture, ceramics, hieroglyphic writing, and advanced understanding of mathematics and astronomy—suffered a major demise between the tenth and eleventh centuries. The causes continue to be investigated and debated. Paleo-environmental research over the past twenty years has revealed that the demise coincided with a prolonged intensive drought that extended across the region, providing compelling evidence that climate change played a key role in the collapse of the Maya. Billie Turner will examine this evidence and the complex social and environmental conditions—including land use and landscape changes—that affected Maya societies.

**Gordon R. Willey Lecture and Reception**

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

Wednesday, September 25, 6:00 pm

## Wildhood: Coming of Age on Planet Earth

BARBARA NATTERSON-HOROWITZ

Professor of Medicine, Division of Cardiology, and Co-Director, Evolutionary Medicine Program, University of California, Los Angeles; Visiting Professor, Department of Human and Evolutionary Biology, Harvard University

KATHRYN BOWERS

Science Journalist and Animal Behaviorist

Adolescence is dangerous, difficult, and destiny-shaping for humans and other animals. In *Wildhood* (Simon & Schuster, 2019), Barbara Natterson-Horowitz and Kathryn Bowers look across species and evolutionary time to find answers to a single, consequential question: Why do some adolescents safely, successfully, and independently enter the adult world, while so many others do not? The authors apply the results of their five-year study of wild animal adolescence to our species, presenting a new understanding of the dangers, stresses, and challenges we face on our journeys to adulthood. After the program, guided by Harvard undergraduates, attendees can examine and learn about adolescent animals in the museum collections.



Lecture, Book Signing, and Special Gallery Presentations.

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

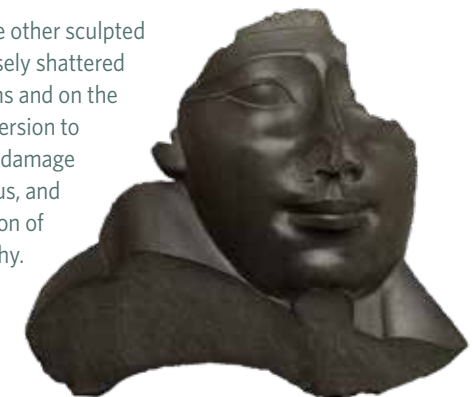
Thursday, September 26, 6:00 pm

## Breaking the Noses on Egyptian Statues

EDWARD BLEIBERG

Senior Curator, Egyptian, Classical, and Ancient Near Eastern Art, Brooklyn Museum

Why are the noses broken on Egyptian statues? Why were other sculpted body parts, including eyes, mouths, arms, and feet, purposely shattered in antiquity? Focusing on the ancient world of the pharaohs and on the Late Antique world that emerged following Egyptian conversion to Christianity, Edward Bleiberg will examine the patterns of damage inflicted on Egyptian images for personal, political, religious, and criminal reasons. He will also highlight how close inspection of statue damage can reveal who damaged the statue and why.



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

Thursday, October 10, 3:00–4:30 pm

## Molinillos and Chocolate in Contemporary Mexico

JUAN ALONSO RODRIGUEZ  
Master Woodworker, Mexico

ANA RITA GARCÍA-LASCURÁIN  
Founder and Director, MUCHO-Chocolate Museum, Mexico City



In this special event, Juan Alonso Rodriguez will explain how to make a *molinillo*, the whisk-like wooden tool that is traditionally used in Mexico to make froth in chocolate beverages. Together with Ana Rita García-Lascuráin, he will discuss the history of chocolate production in Mexico and its current renaissance. Using *molinillos*, members of the Cambridge-based Fine Cacao and Chocolate Institute will make three different chocolate beverages that participants can taste during the program.

Special Event and Chocolate Tasting. **PMAE**  
Advance registration required. \$8 members/\$10 nonmembers  
Visit [peabody.harvard.edu](http://peabody.harvard.edu) for event and registration details  
Presented in collaboration with the Fine Cacao and Chocolate Institute, the Mexican Consulate General in Boston, Fundación MUCHO Mexico City, and MassMex, as part of the 2019 New England Chocolate Festival


Thursday, October 10, 6:00 pm

## An Evolutionary Journey through Domestication

BARBARA SCHAAL  
Mary-Dell Chilton Distinguished Professor of Biology and Dean of the Faculty of Arts & Sciences,  
Washington University in St. Louis



As the earliest farmers began to select wild plants and animals that had desirable traits, they initiated a series of genetic changes in these species that gradually made them more suitable for agriculture. Plants became easier to grow, had greater yields, and were of higher quality. Animal species exhibited favorable changes in behavior, coat color, and reproductive traits. Barbara Schaal will discuss how the artificial selection of these species—a pivotal technological achievement—has influenced their genetics, evolution, and capacity to flourish in the care of humans.

Evolution Matters Lecture Series • Tenth Anniversary  
Lecture. 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

Wednesday, October 16, 10:00 am–4:00 pm

## National Fossil Day

Celebrate National Fossil Day with ancient trilobites, sea scorpions, saber-toothed cats, giant ground sloths, and more. Meet Harvard paleontologists and learn about the amazing prehistoric animals on exhibit. Bring your curiosity and questions to this event for all ages!

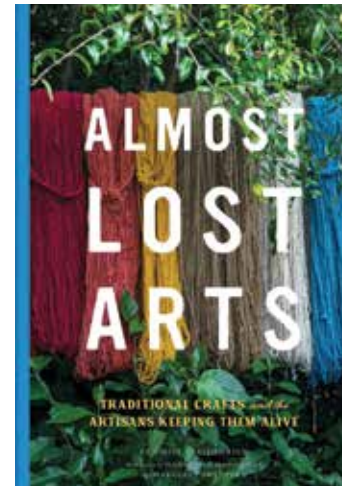
Regular museum admission rates apply. **HMNH**  
Harvard Museum of Natural History, 26 Oxford Street



Wednesday, October 16, 6:00 pm

## Almost Lost Arts

### Traditional Crafts and the Artisans Keeping Them Alive



EMILY FREIDENRICH  
Author and Journalist

JOSH LUKE AND MEREDITH KASABIAN  
Founders, Best Dressed Signs

MARGARET SHEPHERD  
Calligrapher and Author

NARAYAN KHANDEKAR  
Director, Straus Center for Conservation and Technical Studies, and Senior Conservation Scientist, Harvard Art Museums

What does it mean to be a maker, artist, or artisan in the twenty-first century? In her new book, *Almost Lost Arts* (Chronicle Books, 2019), Emily Freidenrich explores the work of twenty artisans from points worldwide who practice their craft using traditional techniques and analog technologies. Three Boston-based artists who specialize in calligraphy and handmade signs will engage in a conversation with Freidenrich and museum curator Narayan Khandekar to discuss the rewards and challenges of using slow, intentional processes in a fast-paced digital world, and to explore the significance of the human presence in objects or artwork.

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

Thursday, October 17, 6:00 pm

## Life and Death in Ancient Egypt

Biomedical Analysis of Mummies and Canopic Jars

FRANK RÜHLI

Professor, Founding Chair, and Director, Institute of Evolutionary Medicine, University of Zurich



Egyptian mummies and the remains found in ancient canopic jars can now be studied in great detail using noninvasive medical imaging techniques such as X-rays and computerized tomography, and chemical analysis using gas chromatography–mass spectrometry. Drawing from interdisciplinary research conducted in the Valley of the Kings and Egyptian museum collections, Frank Rühli will discuss the value of using state-of-the-art technologies for understanding the life conditions, pathologies, death, and mummification procedures of ancient Egyptians. He will also address ethical concerns associated with these research methods and future research possibilities.

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

Monday, October 21, 6:00 pm

## Voices of the Rainforest

STEVEN FELD, Director and Producer



*Voices of the Rainforest* is an experiential documentary about the ecological and aesthetic coevolution of Papua New Guinea's Bosavi rainforest region and its inhabitants. The film immerses viewers in the rainforest, making myriad connections between the everyday sounds of the rainforest biosphere and the creative practices of the Bosavi people who sing to, with, and about it. Following the screening, Steven Feld will discuss the film with Amahl Bishara, an associate professor of anthropology at Tufts University.

Film Screening (90 min.) and Discussion. **PMAE**  
Harvard Art Museums, Menschel Hall, 32 Quincy Street  
Free admission, but tickets are required

Visit [harvardartmuseums.org](http://harvardartmuseums.org) for parking and event details.   
Co-sponsored by Documentary Educational Resources, the Film Study Center at Harvard University, the Sensory Ethnography Lab, and the Harvard Art Museums.

Wednesday, October 23, 6:00 pm

## Creating the National Museum of African American History and Culture

LONNIE G. BUNCH III

Secretary, Smithsonian Institution

HENRY LOUIS GATES, JR.

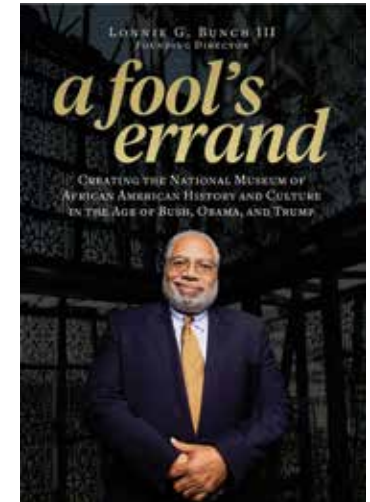
Alphonse Fletcher University Professor and Director, Hutchins Center for African & African American Research, Harvard University

In *A Fool's Errand* (Smithsonian, 2019), Lonnie Bunch shares the vision and leadership he brought to the realization of the National Museum of African American History and Culture—a dream shared by many generations of Americans. Bunch's deeply personal story reveals the triumphs and challenges of bringing the museum to life and taps into broader questions of the role of race in America—past, present, and future. In this program, he will engage in a conversation with Harvard professor Henry Louis Gates to discuss the significance and impact of the museum at a time when the nation is grappling with so many divisive political and cultural issues. Pre-signed copies of *A Fool's Errand* will be available for purchase at the event.

Book Presentation and Conversation. **PMAE**  
Geological Lecture Hall, 24 Oxford Street

Free and open to the public, but tickets are required  
Visit [peabody.harvard.edu](http://peabody.harvard.edu) for event details

Presented in collaboration with the Hutchins Center for African & African American Research



Saturday, October 26, 2:00–4:00 pm

## Fabulous Fungus Fair

Explore the wondrous world of fungi! Join Harvard students for a closer look at the mushrooms, yeasts, and molds found in gardens, forests, and labs—even in our own refrigerators. This is an opportunity to investigate fungal diversity and participate in hands-on activities led by Harvard students.

Special Event. Regular museum admission rates apply. **HMNH**  
Harvard Museum of Natural History, 26 Oxford Street



Tuesday, October 29, 6:00 pm

## Anthropology, Colonialism, and the Exploration of Indigenous Australia

PHILIP JONES

Senior Curator in Anthropology, South Australian Museum, and  
Affiliate Lecturer, Department of History, University of Adelaide



In 1938–1939, Harvard University funded an expedition to Australia aimed at understanding how colonization had affected Indigenous peoples and their physiology, and at informing government policy as it shifted from segregation to assimilation. Led by anthropologists Norman B. Tindale and Joseph Birdsell, the expedition gathered more than 6,000 individual records from Indigenous people on missions and settlements—records that have since inspired community-based research projects and land claims. Philip Jones will set the expedition within the context of anthropological history and explore its complicated legacy.

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

Wednesday, October 30, 6:00 pm

## The Peril and Promise of Solar Geoengineering

DAVID KEITH

Gordon McKay Professor of Applied Physics, Harvard John A. Paulson School of Engineering and Applied Sciences; Professor of Public Policy, Harvard Kennedy School, Harvard University



Solar geoengineering research aims to reduce the impacts of global climate change. One possibility is to put aerosols into the stratosphere to alter Earth’s energy budget. This emerging technology entails risks and uncertainties, along with serious challenges to global governance. The greatest threat, perhaps, is that it will be used as a technical fix and encourage people to avoid the emissions cuts that are fundamental to curbing long-term climate risks. David Keith will describe the simple physics underlying the climate’s response to stratospheric aerosols, the risks, and the trade-offs among solar geoengineering, carbon removal, and emissions reductions.

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



## DÍA DE LOS MUERTOS/DAY OF THE DEAD CELEBRATION at the Peabody Museum of Archaeology & Ethnology

Events will be held at the Peabody Museum of Archaeology & Ethnology at 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. Free parking will be available for both events at the 52 Oxford Street Garage. Visit [peabody.harvard.edu](http://peabody.harvard.edu) for event details.



Friday, November 1, 4:00–8:00 pm

### Celebración Nocturna/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 2, 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); sip spicy chocolate; make *papel picado* (cut paper banners), *cempasúchil* flowers, and other artwork; and write a message in any language you choose to place upon the community 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.



Learn about the two Zapotec-Style Painting Workshops being offered—  
one for adults and one for families. See page 19 for dates and times.

Thursday, November 7, 6:00 pm

## Adversity, Belonging, and Survival among Baboons

SUSAN ALBERTS

Robert F. Durden Professor of Biology and Evolutionary Anthropology, Duke University



The social environment—both in early life and adulthood—has major effects on human health and survival. But how and why does the social environment get “under the skin” to also affect our physical health? Susan Alberts pursues this question by studying wild baboons in Kenya. Baboons, like humans, evolved as savannah dwellers. They rely on social relationships to solve problems and—like humans—their lives depend on these relationships. Alberts will discuss how the balance between the challenges and opportunities of social life affects health and belonging in both humans and baboons.

**Evolution Matters Lecture Series • Tenth Anniversary**

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

Wednesday, November 13, 6:00 pm

## Paleovirology: Ghosts and Gifts of Ancient Viruses

HARMIT MALIK

Principal Investigator, Fred Hutchinson Cancer Research Center



Human genomes are ancient battlegrounds of arms races waged between viruses and their hosts for millions of years. Just as historians reconstruct battlefields to better understand historical battles, evolutionary biologists and virologists can reconstruct how ancient viruses affected their hosts by analyzing their “fossil” remains in our genomes. Paleovirology is the study of such extinct viruses. Harmit Malik will discuss what the study of these viruses can tell us about old and new viral infections, the role they have played in shaping human biology, and the insights they can provide for combating pathogenic viruses today.

**Prather Lecture Series**

Free and open to the public. [HMNH](#)

Geological Lecture Hall, 24 Oxford Street [P](#)

Presented in collaboration with the Department of Organismic and Evolutionary Biology, Harvard University

Tuesday, November 19, 6:00 pm

## Human Sacrifice and Power in the Kerma Kingdom

ELIZABETH MINOR

Visiting Assistant Professor in Anthropology, Wellesley College

The Kerma Kingdom was an ancient Nubian civilization located in present-day Sudan. Its capital, the city of Kerma, had monumental architecture and religious art depicting deities in the form of lions, scorpions, and hybrid figures such as winged giraffes and hippopotamus goddesses. During the Classic Kerma Period (1700-1550 BCE), funerary monuments of Kerma kings could be up to one hundred meters long and included hundreds of sacrificed individuals. Elizabeth Minor will discuss the complexity of Kerma culture and its practice of human sacrifice as a means to negotiate social hierarchies.



Lecture. Free and open to the public. [HSM](#)

Geological Lecture Hall, 24 Oxford Street [P](#)

Wednesday, November 20, 6:00 pm

## The Future of Immortality

### Remaking Life and Death in Contemporary Russia

ANYA BERNSTEIN

John L. Loeb Associate Professor of the Social Sciences, Department of Anthropology, Harvard University

The international transhumanist movement believes that humans can harness science and technology to transcend their physical and mental limitations. Some of its practitioners support cryonics and the creation of robotic bodies for future “consciousness transfer.” Drawing from her ethnographic work among Russian transhumanists and her recent book—*The Future of Immortality* (Princeton University Press, 2019)—Anya Bernstein will discuss the religious and philosophical roots of transhumanism in Russia dating back to the nineteenth century. She will also explore the current debates within the movement over immortality and what it means to be human.



Lecture. Free and open to the public. [PMAE](#)

Geological Lecture Hall, 24 Oxford Street [P](#)

Thursday, November 21, 6:00 pm

## The Remarkable Nature of Edward Lear

ROBERT McCracken PECK

Curator of Art and Artifacts, Academy of Natural Sciences of Drexel University



Edward Lear (1812-1888), best known for *The Owl and the Pussycat* and other nonsense poetry, was also an accomplished painter of birds, mammals, reptiles, and landscapes, and an adventurous world traveler. His paintings of parrots, macaws, toucans, owls, and other birds are among the finest ever published. Robert McCracken Peck will discuss the remarkable life and natural history paintings of this beloved children's writer, who mysteriously abandoned his scientific work soon after achieving preeminence in the field.

Lecture. Free and open to the public. [HMNH](#)  
Geological Lecture Hall, 24 Oxford Street [P](#)



Wednesday, December 11, 5:30-9:00 pm

## HMSC Member Night at the Museums

Wander the museum after hours, enjoy seasonal treats, and go behind the scenes to see objects not currently on exhibit. This is a great time to get your holiday shopping done at The Shop at HMNH where members receive a special 25% discount during the month of December. Not a member? Join today so you can join us in December! See [membership details on page 22](#).

Reservations open November 1. [HMSC](#)

Harvard Museum of Natural History, 26 Oxford Street [P](#)



# NEW EXHIBITS

## Visual Science The Art of Research

COLLECTION OF HISTORICAL SCIENTIFIC INSTRUMENTS  
On view September 20, 2019-September 7, 2020

This exhibit features images and objects drawn from a variety of disciplines and time periods that show the importance of visual experiences in science. Images have played many roles in scientific research. Images can record fleeting observations, whether a painting of an animal glimpsed in the field or an interaction between sub-atomic particles that lasts a millisecond. They can also make unseen things visible. Physical models can make abstract mathematical concepts into something that researchers can touch; properly arranged, sand, metal plates, and a violin bow can make sound waves into images. Finding patterns in both kinds of images, or painstakingly transforming images into data can lead to new discoveries.



# NEW EXHIBITS

## Resetting the Table

### Food and Our Changing Tastes

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

On view November 16, 2019–November 28, 2021



This new exhibit will explore food choices and eating habits in the United States, including the sometimes hidden, but always important, ways in which our tables are shaped by cultural, historical, political, and technological influences.

One dinner served in 1910 will form the centerpiece—literally—of *Resetting the Table*. The historical and cultural roots of the foods on the menu, and the privileged context of their presentation, will be explored. Selections from ten University collections will reveal the long history of many iconic American foods, spanning multiple cultures and thousands of years.



# RECENTLY OPENED EXHIBITS

## Cosmic Origins

HARVARD MUSEUM OF NATURAL HISTORY

July 20, 2019–Ongoing

Visitors to this small exhibit—located in the Earth & Planetary Sciences gallery—can investigate the origins of and processes shaping planetary bodies and stars by using touchable specimens, colorful visuals, and interactive media. Through November 27, 2019, the exhibit will also feature an original lunar specimen, on loan from NASA, collected during Apollo 12. Don't miss this rare opportunity to examine a real Moon rock!

*Exhibition supported by a generous gift in memory of John P. Huchra*



## Fruits in Decay

HARVARD MUSEUM OF NATURAL HISTORY

Saturday, August 31, 2019–Sunday, March 1, 2020

This special new exhibit in the Glass Flowers gallery explores blight, rot, and other diseases on summer fruits. It features exquisitely detailed glass botanical models of strawberries, peaches, apricots, plums, and pears made by famed glass artist Rudolf Blaschka. On display for the first time in nearly two decades, these models capture—with astonishing realism—the intricacies and strange beauty of fruits in various stages of decay.



# Museum Classes

## Adult Classes

All skill levels welcome

Saturday, October 5, 9:30 am–12:30 pm

### Handcrafted Paper Workshop

Create Your Own Maple Branch

Instructor: Jessica Smith

Create a sprig of autumn maple leaves in paper using freshly picked specimens and the museum's glass flowers for inspiration. Materials and tools provided.

\$90 members/\$100 nonmembers



Saturday, October 26, 9:30 am–12:00 pm

### The Art and Science of Mushrooms

Instructors: Erica Beade and Harvard graduate student James Mitchell

Try your hand at several drawing techniques to capture a variety of mushroom types. The instructors will provide time for close observation and deeper learning about local fungi using freshly picked specimens.

\$55 members/\$60 nonmembers



Saturday, November 2, 10:00 am–4:00 pm

### Squirrel Taxidermy Workshop

Adults 18+

Instructor: Mickey Alice Kwapis

Make your own taxidermy squirrel using professional techniques with a sustainably sourced hide—no experience necessary! Materials and tools provided.

\$225 members/\$250 nonmembers

Saturday, November 16 & 23, 9:30 am–12:30 pm

### Drawing Animals

A Two-Session, Six-Hour Course

Instructor: Erica Beade

Explore the museum's zoological collections while developing drawing skills. The first half of each session will focus on drawing techniques; the second half will focus on drawing specimens in the galleries.

\$120 members/\$130 nonmembers



Saturday, December 7, 9:30 am–12:00 pm

### Drawing Birds in Colored Pencil

Instructor: Erica Beade

Explore basic avian anatomy and observational drawing techniques, then dive into colored-pencil techniques.

\$55 members/\$60 nonmembers

## Special Workshops for Adults and Children

Presented to celebrate

*Día de los Muertos*/Day of the Dead.

Both workshops will be held at 11 Divinity Avenue.



### Taller de pintura de estilo Zapoteca Zapotec-Style Painting Workshop

Instructors: Ventura and Norberto Fabian

Taught in Spanish with English translation. Back by popular demand! Learn to paint Zapotec design motifs with visiting artists from Oaxaca, Mexico. The father-son team of Ventura and Norberto Fabian continues the tradition of creating hand-carved and painted wooden figures known as *alebrijes*. Select an original, small figure to paint and take home.

Friday, October 25, 4:30–7:00 pm

### Adult Class 15+

\$40 members/\$50 nonmembers. Materials included  
Register by Wednesday, October 22

Saturday, October 26, 10:00 am–12:30 pm

### Family Workshop

Adults with children ages 9+

Families must register at least one adult and one child for this program.

\$40 members/\$50 nonmembers. Materials included  
Register by Wednesday, October 22

## For All Ages

### Three One-Hour Entomology Workshops

Instructor: Mickey Alice Kwapis

Fun, engaging classes that can be enjoyed by all ages. Using sustainably sourced specimens, students will learn about insect development, anatomy, and evolution by preparing and preserving insect specimens.

Sunday, November 3, 10:00–11:00 am

### Pinning and Learning: Butterflies

\$35 members/\$40 nonmembers

Sunday, November 3, 11:15 am–12:15 pm

### Pinning and Learning: Cicadas

\$45 members/\$50 nonmembers

Sunday, November 3, 1:00–2:00 pm

### Pinning and Learning: Atlas Beetles

\$45 members/\$50 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](https://hmsc.harvard.edu/education)

# 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](http://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 select languages by advance request. For schedule, reservation, and tour topic information, [visit peabody.harvard.edu/visit](http://peabody.harvard.edu/visit).

#### Quick Stops: 25 minutes. Free with regular admission. 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 Hopi pots, gongs, and Princess Leia to trays of eyes and monuments to the "Typical 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](http://peabody.harvard.edu/visit).

## SELF-GUIDED TOURS

### MOBILE GALLERY GUIDES

*Dreaming the Sphinx* 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



HMNH 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.

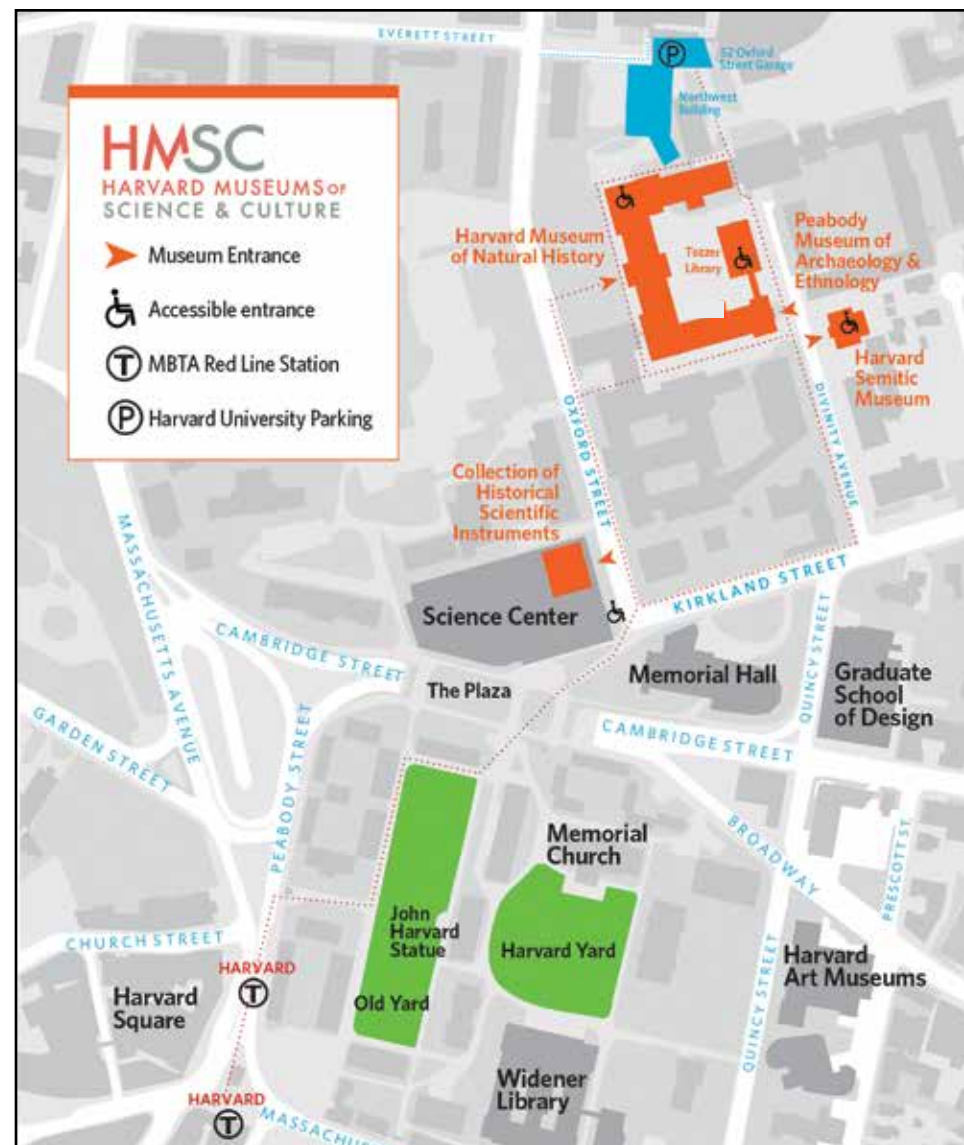
## Exclusive Events

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 have viewed rarely seen gold and jewels from the Mineralogical and Geological Museum and visited the Museum of Comparative Zoology's collection storage areas to see penguins, learn about adaptations in arctic mammals, and touch ancient fossils.

See the December 11 Member Night on page 14!

For a full list of benefits or to become a member today, visit [hmsc.harvard.edu/membership](http://hmsc.harvard.edu/membership).

Contact the Membership/Development Office 617-496-6972 or [members@hmsc.harvard.edu](mailto:members@hmsc.harvard.edu)



## PHOTO CREDITS

Page 3 Left: Enrique Sañudo; right: Flavia Zorrilla

Page 4 Bottom: Photo by Billie Turner II

Page 5 Top: Photo by Angus Stead. Bottom: Brooklyn Museum, Charles Edwin Wilbour Fund, 371516E.

Page 6 Top: Photo by Jose Lopez Ganem. Bottom: Photo by Kuo-fang Chiang. Academia Sinica, Taipei Taiwan.

Page 7 Top: Photo by Mark Craig

Page 9 Top: Shutterstock

Page 10 Top: Map by Norman B. Tindale. Bottom: Shutterstock

Page: All photos by Tony Rinaldo

Page 12 Top: Photo by Elizabeth Archie. Bottom: Photo by Robert Hood, Fred Hutch.

Page 13 Top: Photo by Elizabeth Minor.

Page 14 Top: Courtesy of Houghton Library, Harvard University. Bottom right: Photo by Roger Metcalf

Page 15 Bottom left: Polaroid inventor, Edwin Land, created this paper collage to study color vision. 1975-1985, #2004-1-0258, Collection of Historical Scientific Instruments

Page 16 Top: Syrian ceramic and brass coffee pot with glass beads on the lid. Gift of Herbert de Roth, 1920. PM 20-33-60/D1465. Bottom: Silver salt and pepper shakers. PM 2007.4.66.1-2. Gift of Hazel Hitson Weidman, Ph.D. '59. Both images: © President and Fellows of Harvard College, Peabody Museum of Archaeology and Ethnology.

Page 17 Left: Pear (*Pyrus communis*), showing symptoms of stony pear. Model number #792, Rudolf Blaschka, 1929. Right: Strawberry (*Fragaria* sp.). Rot caused by a *Penicillium* species. Model number #791, Rudolf Blaschka, 1929

Page 18: Mushroom and bird, Shutterstock

Page 19: Circada, Shutterstock


Page 22 Top right photo by Tony Rinaldo

Page 25: See "Banana" photo credit on page 1

# 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. Persons with disabilities who would like to request accommodations or have questions about physical access can email: [lectures@hmsc.harvard.edu](mailto:lectures@hmsc.harvard.edu) in advance of the program or visit.

## GENERAL INFORMATION

General HMSC Information: 617-496-1638 / [hmsc.harvard.edu](http://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](http://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](http://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](http://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](http://peabody.harvard.edu)  
Open daily 9:00 am–5:00 pm



Detail of Blaschka Glass Model of Banana Flower. See full credit on page 1.

## HMSC FALL 2019 EVENTS CALENDAR

Thursday, September 12, 4:30–6:00 pm  
**Maintaining Heritage Languages in Our Communities**  
Gabriela Badillo, Maung Nyeu, Maria Luisa Parra-Velasco

Saturday, September 14, 2:00–4:00  
**Animated Tales for All**

Tuesday, September 17, 6:00 pm  
**Assembling the Dinosaur**  
Lukas Rieppel

Wednesday, September 18, 6:00 pm  
**The Ancient Maya Response to Climate Change**  
Billie L. Turner II  
Gordon R. Willey Lecture and Reception

Wednesday, September 25, 6:00 pm  
**Wildhood: Coming of Age on Planet Earth**  
Barbara Natterson-Horowitz, Kathryn Bowers

Thursday, September 26, 6:00 pm  
**Breaking the Noses on Egyptian Statues**  
Edward Bleiberg

Thursday, October 10, 3:00–4:30 pm  
**Molinillos and Chocolate in Contemporary Mexico**  
Juan Alonso Rodriguez, Ana Rita García-Lascuráin

Thursday, October 10, 6:00 pm  
**An Evolutionary Journey through Domestication**  
Barbara Schaal  
Evolution Matters Lecture Series • Celebrating Ten Years

Wednesday, October 16, 10:00 am–4:00 pm  
**National Fossil Day**

Wednesday, October 16, 6:00 pm  
**Almost Lost Arts**  
Emily Freidenrich, Josh Luke and Meredith Kasabian, Margaret Shepherd, Narayan Khandekar

Thursday, October 17, 6:00 pm  
**Life and Death in Ancient Egypt**  
Frank Rühli

Monday, October 21, 6:00 pm  
**Voices of the Rainforest**  
Steven Feld

Wednesday, October 23, 6:00 pm  
**Creating the National Museum of African American History and Culture**  
Lonnie G. Bunch III and Henry Louis Gates, Jr.

Saturday, October 26, 2:00–4:00 pm  
**Fabulous Fungus Fair**

Tuesday, October 29, 6:00 pm  
**Anthropology, Colonialism, and the Exploration of Indigenous Australia**  
Philip Jones

Wednesday, October 30, 6:00 pm  
**The Peril and Promise of Solar Geoengineering**  
David Keith

**DÍA DE LOS MUERTOS/DAY OF THE DEAD**  
Peabody Museum of Archaeology & Ethnology

Friday, November 1, 4:00–8:00 pm  
**Celebración Nocturna/Evening Celebration**

Saturday, November 2, 12:00–4:00  
**Celebración Familiar/Family Celebration**

Thursday, November 7, 6:00 pm  
**Adversity, Belonging, and Survival among Baboons**  
Susan Alberts  
Evolution Matters Lecture Series • Celebrating Ten Years

Wednesday, November 13, 6:00 pm  
**Paleovirology: Ghosts and Gifts of Ancient Viruses**  
Harmit Malik  
Prather Lecture Series

Tuesday, November 19, 6:00 pm  
**Human Sacrifice and Power in the Kerma Kingdom**  
Elizabeth Minor

Wednesday, November 20, 6:00 pm  
**The Future of Immortality**  
Anya Bernstein

Thursday, November 21, 6:00 pm  
**The Remarkable Nature of Edward Lear**  
Robert McCracken Peck

Wednesday, December 11, 5:30–9:00  
**HMSC Member Night at the Museums**

**HMSC** HARVARD MUSEUMS OF SCIENCE & CULTURE

Harvard University, 26 Oxford Street, Cambridge, MA 02138

November 16, 2019–November 28, 2021

**RESETTING THE TABLE**  
**Food and Our Changing Tastes**

Peabody Museum of Archaeology & Ethnology

