



# HARVARD MUSEUMS OF SCIENCE & CULTURE

Collection of Historical Scientific Instruments

Harvard Museum of Natural History

Harvard Museum of the Ancient Near East

Peabody Museum of Archaeology & Ethnology

FALL • WINTER 2022

# "Come One, Come All"

As the Harvard Museums of Science & Culture prepares for the Fall 2022 season, I am reminded of the many ways we engage our community of visitors in service to our mission: *to foster curiosity and a spirit of discovery in visitors of all ages and enhance public understanding of and appreciation for the natural world, science, and human culture.* This season's menu of exhibits, public and school programs, evening lectures, digital and gallery tours, podcasts, and more reflects the dynamism of our museums and our commitment to providing a wide spectrum of experiences and learning opportunities for all to enjoy and learn.

Highlighting new research and showcasing thousands of specimens on display—including a 1,600-pound amethyst geode—the newly renovated Earth & Planetary Sciences Gallery inspires new reasons to marvel at our collection of rare minerals and gemstones and to examine the dynamic processes and events that formed our planet. In November, step into the natural history museum to explore the extraordinary lives of sharks. See how these creatures navigate the world's oceans and help balance marine ecosystems in *Swimming with Sharks: A Deep Dive into Shark Biology and Behavior*. In the meantime, we encourage you to immerse yourselves in the wonders of our galleries at the Harvard Museum of Natural History, the Peabody Museum of Archaeology & Ethnology, the Harvard Museum of the Ancient Near East, and the Collection of Historical Scientific Instruments.

Please accept our open invitation to join us for an array of lectures, festivals, and public programs, including the annual Day of the Dead Family Fiesta—marking the 20th Anniversary of the Peabody Museum's soulful celebration of Mexican heritage, traditions, and family. This is an occasion you don't want to miss.

Come one, come all.

**Brenda Tindal**  
Executive Director  
Harvard Museums of Science & Culture



# “Venga uno, Vengan todos”

Mientras los Museos de Ciencia y Cultura de Harvard se preparan para la temporada de otoño del 2022, recuerdo las muchas maneras en que involucramos a nuestra comunidad de visitantes al servicio de nuestra misión: *fomentar la curiosidad y el espíritu de descubrimiento en los visitantes de todas las edades y mejorar la comprensión y el aprecio del público por el mundo natural, la ciencia y la cultura humana*. El menú de exposiciones de esta temporada, los programas públicos y escolares, las conferencias nocturnas, las visitas digitales y a las galerías, los podcasts, y mucho más, reflejan el dinamismo de nuestros museos y nuestro compromiso de ofrecer un amplio espectro de experiencias y oportunidades de aprendizaje para que todos disfruten y aprendan.

La Galería de Ciencias de la Tierra y Planetarias, recientemente renovada, destaca las nuevas investigaciones y muestra miles de especímenes—incluida una geoda de amatista de 1,600 libras—que inspiran nuevas razones para maravillarse con nuestra colección de minerales y piedras preciosas raras y para examinar los procesos y acontecimientos dinámicos que formaron nuestro planeta. En noviembre, visite el Museo de Historia Natural para explorar la extraordinaria vida de los tiburones. Vea cómo estas criaturas navegan por los océanos del mundo y ayudan a equilibrar los ecosistemas marinos en *Nadando con Tiburones: Una Inmersión Profunda en la Biología y el Comportamiento de los Tiburones*. Mientras tanto, le invitamos a sumergirse en las maravillas de nuestras galerías en el Museo de Historia Natural de Harvard, el Museo Peabody de Arqueología & Etnología, el Museo de Harvard del Oriente Medio Antiguo y la Colección de Instrumentos Científicos Históricos.

Por favor, acepte nuestra invitación abierta para acompañarnos en una serie de conferencias, festivales y programas públicos, incluyendo la fiesta familiar anual del Día de Muertos del Museo Peabody, que marca el 20º Aniversario de la conmovedora celebración de herencia mexicana, las tradiciones y la familia. Esta es una ocasión que no querrá perderse.

Venga uno, vengan todos.

**Brenda Tindal**  
Directora Ejecutiva  
Los Museos de Ciencia y Cultura de Harvard

# Plan Your Visit

[Please review our current COVID-19 protocols and admission policies.](#)

[Information on using Zoom for our online events](#)

## **HARVARD MUSEUM OF NATURAL HISTORY**

Hours: Open Daily, 9:00 am–5:00 pm

### **GENERAL ADMISSION**

Adults: \$15.00\*

Seniors (65+): \$13.00

Harvard ID Holders: Free

Non-Harvard students with ID: \$10.00

Youth ages 3–18: \$10.00

Youth under 3: Free

Free for HMSC members

\*includes admission to the Peabody Museum

## **PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY**

Hours: Open Daily, 9:00 am–5:00 pm

### **GENERAL ADMISSION**

Adults: \$15.00\*

Seniors (65+): \$13.00

Harvard ID Holders: Free

Non-Harvard students with ID: \$10.00

Youth ages 3–18: \$10.00

Youth under 3: Free

Free for HMSC members

\*includes admission to the Harvard Museum of Natural History

## **COLLECTION OF HISTORICAL SCIENTIFIC INSTRUMENTS**

Hours: Sunday–Friday, 11:00 am–4:00 pm

**General Admission: Free**

## **HARVARD MUSEUM OF THE ANCIENT NEAR EAST**

Hours: Sunday–Friday, 11:00 am–4:00 pm

**General Admission: Free**

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## ABOUT THE COVER IMAGE



For this cover we celebrate the ancient-glass collection of the Harvard Museum of the Ancient Near East. More of the museum's glass and ceramics are on display in *Mediterranean Marketplaces: Connecting the Ancient World*. The exhibition explores how the movement of goods, peoples, and ideas around the ancient Mediterranean transformed the lives and livelihoods of people at all levels of society, driving innovations that had lasting impacts—even on the modern world.

#1934.9.408

#1902.47.1

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# IN MEMORIAM

## DRS. HERMAN AND JOAN SUIT



It is with great sadness that we announced the passing of Herman Suit. Herman was predeceased by his loving wife and partner Joan Countryman Suit last year.

Herman and Joan were great advocates of the Harvard Museums of Science & Culture and funded our annual Evolution Matters Lecture Series through a generous gift. This public lecture series highlights current evolutionary research by students, faculty, researchers, and scientists.

Herman and Joan were both accomplished scientists in their own rights.

Herman Suit began his scientific career in the 1950s and was trained in oncology at the University of Oxford by Frank Ellis. He was hired at Massachusetts General Hospital in 1972 as chief of the department of radiation oncology. Dr. Suit developed much of the evidence that is responsible for the safe use of radiation therapy employed today.

Joan Suit began her career as a scientist in the 1950s studying microbiology at Oregon State University. She then headed to Stanford University where she became an early pioneer in the field of bacterial genetics and molecular biology. She later spent nearly fifteen years at MD Anderson Cancer Center in Houston before relocating to the Massachusetts Institute of Technology, where she served for seventeen years as a senior research scientist.

Joan and Herman were both fully committed to giving in support of education and research in science and medicine. They will be deeply missed.

# Fall 2022 Programs and Special Events

Including both hybrid and in-person

## FREE HYBRID EVENT: LECTURE

Presented in collaboration with the Harvard Art Museums

Thursday, October 6, 6:00–7:15 pm ET

Watch on Zoom or attend in person: Geological Lecture Hall, 24 Oxford Street

Advance registration required for both

Free parking available at the 52 Oxford Street Garage

HARVARD MUSEUM OF THE ANCIENT NEAR EAST

# The “Mummy Portraits” of Roman Egypt

Status, Ethnicity, and Magic



LORELEI H. CORCORAN

Professor of Art History; Director, Institute of Egyptian Art & Archaeology  
University of Memphis



In Ancient Egypt, one of the final steps in the mummification process was to equip the body with a permanent face covering that helped to protect the head and also to ritually transform the deceased into a god. The earliest examples of these were stylized masks, later replaced by more realistic-looking, painted portraits. Using evidence from the archaeological record and the Book of the Dead—a series of spells meant to guide the dead as they sought eternal life—Lorelei Corcoran will discuss the production and function of the “mummy portraits” that were popular throughout Egypt in the Roman period and what these images reveal about the religious beliefs and multi-layered ethnicities of their subjects.

**Related Exhibition at the Harvard Art Museums**  
FUNERARY PORTRAITS FROM ROMAN EGYPT  
August 27–December 31, 2022

## IN-PERSON SPECIAL EVENT

Saturday, October 8, 1:00–4:00 pm. Free with museum admission.

Free parking at the 52 Oxford Street Garage

HARVARD MUSEUM OF NATURAL HISTORY

# National Fossil Day

## More Than Dinosaurs!

Paleontology is about more than dinosaurs! Harvard paleontologists study amazing non-dinosaur fossils including early mammals, ancient invertebrates, whales, crabs, and more. Meet members of the Stephanie Pierce Lab for Vertebrate Paleontology and the Ortega-Hernández Lab for Invertebrate Paleontology to see their favorite fossils, learn about their research, and ask them your questions. See what new techniques and technologies are being used to study fossils, learn what fossils can teach us about evolution, and hear about current research projects. Join us to celebrate National Fossil Day with short talks and table-top presentations for all ages.



# EVENTO ESPECIAL EN PERSONA

Sábado, 8 de octubre, 1:00 a 4:00 pm

Gratis con la entrada al museo

Estacionamiento gratuito en el 52 Oxford Street Garage

HARVARD MUSEUM OF NATURAL HISTORY

## Día Nacional de los Fósiles

### Más que dinosaurios

La paleontología es algo más que dinosaurios. Los paleontólogos de Harvard estudian increíbles fósiles no relacionados con los dinosaurios, como los primeros mamíferos, invertebrados antiguos, ballenas, cangrejos y mucho más! Conozca a los miembros del Laboratorio Stephanie Pierce de Paleontología de Vertebrados y del Laboratorio Ortega-Hernández de Paleontología de Invertebrados para ver sus fósiles favoritos, aprender sobre sus investigaciones y hacerles preguntas. Vea qué nuevas técnicas y tecnologías se utilizan para estudiar los fósiles, aprenda lo que los fósiles pueden enseñarnos sobre la evolución y conozca los proyectos de investigación actuales. Únase a nosotros para celebrar el Día Nacional de los Fósiles con breves charlas y presentaciones de mesa para todas las edades.



FREE HYBRID EVENT

## 2022 GORDON R. WILLEY LECTURE

Thursday, October 20, 6:00–7:15 pm ET

Watch on Zoom or attend in person: Geological Lecture Hall, 24 Oxford Street

Advance registration required for both

Free parking available at the 52 Oxford Street Garage

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

# Rethinking Maya Heritage

## Past and Present

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### RICHARD M. LEVENTHAL

Professor, Department of Anthropology and Executive Director  
Penn Cultural Heritage Center, Penn Museum, University of Pennsylvania

The story of Maya culture as a once-great civilization that built towering pyramids in the jungles of Central America was developed and popularized by national governments, anthropologists, and archaeologists. Previously unable to control the story of their own culture, Maya communities today are actively reframing their heritage and centering their most recent history—not the distant past—to regain power and self-determination. Richard Leventhal will discuss the importance and role that the nineteenth-century Social War or Caste War—one of the largest and most successful Indigenous rebellions—is playing in the Maya people's contested and reframed heritage.



# IN-PERSON SPECIAL EVENT FOR ALL AGES

**Cosponsored by the Consulate General of Mexico in Boston**

Saturday, October 29, 1:00–4:00 pm

Free with museum admission. Sugar skulls extra ( \$7 each)

Free parking available at the 52 Oxford Street Garage

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Day of the Dead Family Fiesta



### 20th Anniversary Celebration!

Learn more about this joyful holiday, a national symbol of Mexico shared with the world. The annual tradition of building *ofrendas*—altars with photos, favorite foods, and memorabilia of the departed—encourages visits by the souls, and is an occasion to honor and celebrate the lives of the departed. Enjoy three floors of activities for the young and young-at-heart including crafts, scent stations, traditional decorations, Nahuatl stories, decorating a sugar skull (extra fee), painting demonstrations, folk dances, and two live music performances. A Mexican food truck will offer snacks for sale outside the museum.



# EVENTO FAMILIAR ESPECIAL EN PERSONA

Copatrocinado por el Consulado General de México en Boston

Sábado, 29 de octubre, 1:00–4:00 pm

Gratis con la entrada al museo. Calaveras de azúcar extra ( \$7 cada una)

Estacionamiento gratuito en el 52 Oxford Street Garage

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Fiesta familiar del Día de Muertos



### ¡Celebración del 20º Aniversario!

Aprenda más sobre esta alegre fiesta, un símbolo nacional de México compartido con el mundo. La tradición anual de construir ofrendas con fotos, comidas favoritas y recuerdos de los difuntos fomenta las visitas anuales de las almas, y es una ocasión para honrar y celebrar la vida de los difuntos. Disfrute de tres pisos de actividades para los niños y los niños de corazón, incluyendo artesanías, estaciones de aromas, decoraciones tradicionales, historias en náhuatl, decoración de una calavera de azúcar (pago adicional), demostraciones de pintura, bailes folclóricos y dos actuaciones musicales en vivo. Un camión de comida mexicana ofrecerá bocadillos a la venta afuera del museo.



## IN-PERSON **FAMILY MOVIE MATINEE** (rated PG for ages 8+)

Saturday, November 19, 2:00–4:30 pm

Advance registration required by November 17 at 5:00 pm

\$15 adults • \$12 youth; Members: \$11 adults • \$9 youth

Tickets include popcorn, soda, and a free pass to visit the HMSC museums at a later date.



**HARVARD MUSEUM OF THE ANCIENT NEAR EAST**

## See the Science: *Raiders of the Lost Ark*

Join us for an interactive movie-watching experience! Talk back to the screen and learn about archaeology with a brave crew of Harvard student archaeologists. Students will search for the science in this Hollywood fantasy and share their own experiences in the field. Hollywood errors will be addressed including stereotypes about local people, archaeologists, and museums! Film buffs please note: we will be fast forwarding to allow time for interjections. Be prepared for some gunslinging, fisticuffs, and comic gruesomeness. Good to know: the face-melting scene will be prefaced with an opportunity to CLOSE YOUR EYES (Marion).



# IN-PERSON **SPECIAL EVENT FOR ALL AGES**

Saturday, December 3, 11:00 am–1:00 pm

Free with museum admission

**HARVARD MUSEUM OF NATURAL HISTORY**

## **Birds & Blooms**

Did you know that many of the birds in the Northeastern United States spend the winter in Latin America socializing and eating among tropical trees and flowers? Explore the lives and behaviors of these birds in our Birds of the World gallery and learn about flowers from Guatemala, El Salvador, and Mexico in the Blaschka Glass Flowers gallery. Try some hands-on activities led by Hear Me Out/*Escúchame* teens, see their newest mini exhibit, decorate a bird or flower mask, and brighten the dark season!



# EVENTO ESPECIAL EN PERSONA PARA TODAS LAS EDADES

Sábado, 3 de diciembre, 11:00 am-1:00 pm  
Gratis con la entrada regular al museo

HARVARD MUSEUM OF NATURAL HISTORY

## Aves y Flores

¿Sabía que muchas de las aves del noreste de los Estados Unidos pasan el invierno en Latinoamérica socializando y comiendo entre árboles y flores tropicales? Explore la vida y el comportamiento de estas aves en nuestra galería de Aves del Mundo y aprenda sobre las flores de Guatemala, El Salvador y México en la Galería de Flores de Cristal Blaschka. Visite la nueva mini exposición de *Hear Me Out/Escúchame* y participe en actividades prácticas dirigidas por los adolescentes, decore una máscara de pájaro o de flor, e ilumine esta temporada oscura!



# FREE IN-PERSON MEMBERS-ONLY EVENT

Thursday, December 8, 5:30-8:00 pm

[Advance registration required](#). Opens Monday, October 31

Not a member? [Become a member today](#). Questions? [Email membership](#)

**HARVARD MUSEUMS OF SCIENCE & CULTURE**



## Members Night at the Museums

### Exploring New England

Welcome the winter season with the return of our most popular member event! Journey across New England while wandering the galleries after hours. Take part in activities highlighting specimens from the region, then go behind-the-scenes in the Museum of Comparative Zoology to learn about New England mollusks and how the MCZ is working to digitize all specimens from the Eastern Seaboard. Just next door in Ornithology, you will see local birds from the collection. Back in the galleries, enjoy seasonal treats and refreshments and take advantage of the special 25% member discount to get some holiday shopping done. Advance registration is required and space is limited. Not a member? Join today so you can join us on December 8. See pages 32-33 for details.



# Step into the Galleries

Upcoming and recently  
opened exhibitions

## EXHIBITIONS: Upcoming

Opens Saturday, November 12  
Third-Floor Exhibit Hall

HARVARD MUSEUM OF NATURAL HISTORY

# Swimming with Sharks

## A Deep Dive into Shark Biology and Behavior

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Nearly half a billion years ago, the first ancestors of a most remarkable group of fishes sprung forth from the evolutionary tree of life, exploding into a spectacular array of cartilaginous predators. Today, sharks are ubiquitous in and essential to our oceans, their lives intersecting with our own in important and surprising ways. In this remarkable exhibition, discover why the most massive sharks prey on some of the ocean's smallest critters. Learn how to decipher dietary clues from jaws preserved in Harvard's world-class collections. Explore how miniature teeth on shark skin help them move efficiently through water. Come to appreciate sharks not as deadly killers, but as fascinating creatures—more menaced than menacing—that play an outsize role in maintaining balance in marine ecosystems. Don't miss this chance to come face-to-face with the ocean's most famous, misunderstood megafauna!



# EXHIBITIONS: Recent

Permanent

First-Floor Exhibit Gallery

HARVARD MUSEUM OF THE ANCIENT NEAR EAST

## Mediterranean Marketplaces

### Connecting the Ancient World

Much like today, ancient “consumers” were connected to distant markets. Both basic and precious goods from faraway lands “shipped” to royal palaces, elite estates—sometimes even rural households—and technological advances in craftsmanship and commerce transcended boundaries of language, religion, or culture to spread rapidly. *Mediterranean Marketplaces* explores how the movement of goods, peoples, and ideas around the ancient Mediterranean transformed the lives and livelihoods of people at all levels of society, driving innovations that had lasting impacts—even on the modern world.



## EXHIBITIONS: Recent

Through April 2023

Third-Floor Special Exhibitions Gallery

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

# Muchos Méxicos

## Crossroads of the Americas

Featuring Mexican objects from the collections of the Peabody Museum, this bilingual exhibition tells the story of Mexico as a multicultural and geographic crossroads—one where the exchange of resources, products, and ideas among Indigenous peoples throughout the Americas before the Spanish invasion, and then with cultures around the globe—have all created a vibrant nation.



# EXPOSICIONES: Recientes

Abierta hasta abril del 2023

Galería de Exposiciones Especiales en la Tercera Planta

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Muchos Méxicos

### Encrucijada de las Américas

Con objetos mexicanos de las colecciones del Museo Peabody, esta exposición bilingüe cuenta la historia de México como encrucijada multicultural y geográfica, donde el intercambio de recursos, productos e ideas entre los pueblos indígenas de toda América antes de la invasión española, y luego con culturas alrededor del mundo, han creado una nación vibrante.



# EXHIBITIONS: Recent

Through November 2023

Third Floor Special Exhibitions Gallery

HARVARD MUSEUM OF NATURAL HISTORY

## In Search of Thoreau's Flowers

### An Exploration of Change and Loss

*In Search of Thoreau's Flowers* is an immersive multidisciplinary experience that marries art and science through a modern artistic interpretation of Henry David Thoreau's preserved plants. Thoreau was prolific in his practice of collecting botanical samples and plants are important indicators of how our world is responding to climate change. Long preserved in the Harvard University Herbaria, 648 specimens serve as the foundation of this new exhibition. The exhibition invites visitors to experience emotionally resonant connections to the profound loss of natural diversity caused by human-induced climate change.



# EXHIBITIONS: Recent

Through November 2023

Third-Floor Special Exhibitions Gallery

HARVARD MUSEUM OF NATURAL HISTORY

## From the Hands of the Makers

Over their fifty years creating the Glass Flowers, Leopold and Rudolf Blaschka, father and son, continually experimented with materials and methods that pushed the boundaries of glassworking. Years later, their complex and varied practices presented unique challenges for the conservators preserving and protecting the models, which led to a suite of conservation processes nearly as varied as the Blaschka's techniques. *From the Hands of the Makers* explores what it takes to both make and conserve a model and investigates the lingering mysteries surrounding the making of the glass flowers—closely held secrets that only modern technology can reveal.



# Education Programs for Children, Adults, and Teachers

Our Education staff is regularly creating new opportunities—virtual and in person—for discovery and learning.

## ADULT CLASSES

**Instructor:** Andrea Appleton, Harvard PhD candidate in Organismic and Evolutionary Biology  
Advance registration required

HARVARD MUSEUM OF NATURAL HISTORY



### Preserving Plant Diversity

Tuesday, September 20, 10:00 am-12:00 pm  
\$54 members / \$60 nonmembers / IN PERSON

Explore the variety and elegance of tree forms using pencil and paper. Join us for an exploration of plant diversity and an introduction to methods of plant preservation. Using plant cuttings brought from home, we will carefully observe and compare morphological characteristics, discuss why they may have been favored over evolutionary time, and learn how to press specimens for scientific study. Following the workshop, we will tour the Harvard University Herbaria, where we will learn about the importance of preserved specimens and see how scientists use them for scientific research.

# ADULT CLASSES

**Instructor:** Mickey Alice Kwapis, taxidermist & specimen preservation educator  
Advance registration required

HARVARD MUSEUM OF NATURAL HISTORY

## Pinning and Learning: Arthropods

Explore amazing arthropods from an evolutionary perspective with a hands-on look at an impressive species! Utilizing sustainably sourced specimens, students will learn about arthropod development and anatomy by preparing and preserving specimens of their own. Each student will get to keep a set of illustrated instructions, tools, and their own finished specimen to display at home. With newfound knowledge, students can explore the museum's arthropod gallery. These are engaging activities for all ages. Students under age 12 must be accompanied by an adult chaperone who can work with the child, at no additional charge. If chaperones wish to complete their own project, a second specimen must be purchased through a separate registration.



### Pinning & Learning: Empress Cicadas

Sunday, September 25, 9:30-11:00 am / IN PERSON  
\$80 members / \$90 nonmembers



### Pinning & Learning: Rhinoceros Beetles

Sunday, September 25, 11:30 am-1:00 pm / IN PERSON  
\$80 members / \$90 nonmembers



### Pinning & Learning: Giant Purple Grasshoppers

Sunday, September 25, 1:30-3:00 pm / IN PERSON  
\$80 members / \$90 nonmembers



### Pinning & Learning: Forest Scorpions

Sunday, September 25, 3:30-5:00 pm / IN PERSON  
\$80 members / \$90 nonmembers

# ADULT SKETCHING CLASSES

**Instructor:** Artist & Educator Erica Beade

Advance registration required

HARVARD MUSEUM OF NATURAL HISTORY

## Sketching Trees at Mount Auburn Cemetery

**Thursday, September 22, 9:30–11:30 am • \$54 members / \$60 nonmembers**

**Rain date: Thursday, September 29, 9:30–11:30 am / IN PERSON**



Explore the variety and elegance of tree forms using pencil and paper while ensconced in the beauty of Mount Auburn Cemetery. We will focus on capturing the shapes and volume of trunks and branches as well as techniques for drawing foliage in this in-person workshop. The group will be limited to ten participants, allowing ample time for individual feedback. All skill levels are welcome.

## Sketching Plants and Flowers

**Saturday, October 1, 9:30–11:30 am ET • \$30 members / \$35 nonmembers / ONLINE**

Explore a variety of plant forms using pencil and paper. Taught by a scientific illustrator, this online workshop will emphasize close observation and realistic representation. We will explore a range of techniques for achieving more accurate drawings and will delve into contour, gesture, foreshortening, and shading to create volume and depth. The group will be limited to twelve participants, allowing ample time for individual feedback. All skill levels are welcome.

## Drawing Butterflies and Moths with Colored Pencils

**Wednesday, October 19, 9:30–11:30 am ET • \$30 members / \$35 nonmembers / ONLINE**

Learn to use colored pencils to capture the beauty of butterflies and moths during this online workshop. Working from photographic images, the instructor will describe techniques, show examples, and provide tips and tricks to create rich, vibrant drawings. The group will be limited to twelve participants, allowing ample time for individual feedback. All skill levels are welcome.



# ADULT SKETCHING CLASSES

**Instructor:** Artist and Educator Erica Beade

Groups limited to twelve to allow for questions and discussion

Advance registration required

HARVARD MUSEUM OF NATURAL HISTORY

## The Art and Science of Frogs

Saturday, October 29, 9:30–11:30 am

\$40 members / \$45 nonmembers / ONLINE

Explore the rich diversity of frogs by observing and sketching 3D models printed from Harvard's research collections. Erica Beade will introduce techniques for achieving accurate shapes and capturing volume in your drawings, while herpetologist Dr. Mara Laslo will explain how evolution has generated their amazing diversity.



## Sketching Birds: An Introduction

Tuesday, November 15, 9:30–11:30 am ET • \$30 members / \$35 nonmembers / ONLINE



Capture the beauty of birds with pencil and paper in this online workshop. We will explore avian anatomy, step-by-step methods for developing bird drawings, and special tips for capturing their eyes. All skill levels are welcome.

## Sketching Birds: Understanding and Capturing Feathers

Thursday, November 17, 9:30–11:30 am ET • \$30 members / \$35 nonmembers / ONLINE

In this focused workshop, we will deeply explore feather structure and anatomy, and then learn techniques for capturing feather texture. All skill levels are welcome.

## Sketching and Mindfulness

Wednesday, December 14, 9:30–11:30 am ET • \$30 members / \$35 nonmembers / ONLINE

Taught by professional artist and mindfulness practitioner, Erica Beade, this two-hour online workshop will explore how sketching can be a practice for deepening mindful awareness of our surroundings, and how mindful awareness can enrich our sketching practice by helping to quiet inner voices. Using natural objects as our subject matter, we will find ways to focus our attention, learn to see more deeply, and record our observations more carefully.

# FREE VIRTUAL CLASSROOM VISITS

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

HARVARD MUSEUM OF NATURAL HISTORY

## FREE VIRTUAL CLASSROOM VISITS WITH HARVARD STUDENTS

Classroom teachers can invite a Harvard archaeology or science student into their classroom for a live 30-minute Q+A session. For groups of ten or more students.



## Virtual Archaeologist in a Classroom

**Recommended for grades 3–12**

What is archaeology? Why is it important to understand the past and the methods used to interpret it? What questions are answered by archaeology? How do you become an archaeologist? Invite a Harvard archaeology student to your class to discuss how they study the human past and what they are learning.

[>> Read more about the Virtual Archaeologist in a Classroom program](#)

## Virtual Scientist in a Classroom

**Recommended for grades 6–9**

How can science help us understand the world? How do you become a scientist? What are some current research topics being studied at Harvard? What do you do as a scientist? Invite a Science Education Partner into your class to discuss their research and their passion for science.

[>> Read more about the Virtual Scientist in a Classroom program](#)

# SCHOOL PROGRAMS AT HMSC

Virtual-Only format highlighted in red

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

HARVARD MUSEUM OF NATURAL HISTORY

Explore the world with frameworks-based, hands-on, and fun programs. Visit as a teacher-led group (self-guided) or reserve one of 27 theme programs taught by a museum educator in English or Spanish. Most theme programs can be livestreamed to classrooms.

GRADE LEVEL	SOCIAL STUDIES	SCIENCE
<b>Grades pre K-2</b>	Día de los Muertos/Day of the Dead Globetrotters Read with Raven (literacy program)	Animal ABC Bug World Dig into Fossils Home Sweet Home Welcome to the Forest
<b>Grades 3-5</b>	Amazing Aztecs Arctic Days <b>Aztec &amp; Maya Leaders</b> Día de los Muertos/Day of the Dead Igloos to Adobe <b>Virtual Archaeologist in a Classroom</b>	Changing Earth Forest Ecology Inside Skeletons Jaws & Claws Mineral Lab Rocks & Minerals
<b>Grades 6-8</b>	Amazing Aztecs <b>Aztec &amp; Maya Leaders</b> Día de los Muertos/Day of the Dead Foragers to Farmers Magnificent Maya <b>Mesopotamian Monuments</b> <b>Virtual Archaeologist in a Classroom</b>	Climate Change Exploring Evolution Human Origins Under Our Feet: New England Geology <b>Virtual Scientist in a Classroom</b>
<b>Grades 9-12</b>	Día de los Muertos/Day of the Dead <b>Virtual Archaeologist in a Classroom</b>	Climate Change Exploring Evolution <b>Virtual Scientist in a Classroom</b>

# HMSC online resources

Spark your imagination and curiosity,  
learn new things, and be part of a  
vibrant community...wherever you may be.

# HMSC connects! podcast

There is much more to the Harvard Museums of Science & Culture than its impressive exhibits and programs. Tucked away in our world-renowned collections, across Harvard's hallowed halls, and even beyond university walls, a community of incredible individuals form the foundation of knowledge and expertise that keeps our museums humming. Host and HMSC exhibit developer Jennifer Berglund takes listeners behind-the-scenes of our four museums to meet these scholars, curators, collection keepers, exhibit designers, and others. [Join the monthly conversations!](#)



## **In Search of Thoreau's Flowers**

An Art + Science Conversation with  
Biologist Emily Meineke and  
Artists Robin Vuchnich and Leah Sobesy



## **From Gymnastics to Paleontology**

A Conversation with Stephanie Pierce

Professor, Department of Organismic and Evolutionary Biology  
Curator of Vertebrate Paleontology, Museum of Comparative Zoology



## **Healing the Scars of the Past**

A Conversation with Sarah Clunis

Director of Academic Partnerships and Curator of the African Collection  
at the Peabody Museum of Archaeology & Ethnology



## **A Lifetime of Natural History with Gonzalo Giribet**

Director of the Harvard Museum of Comparative Zoology  
Professor, Department of Organismic and Evolutionary Biology  
Curator of Invertebrate Zoology at the MCZ

# HMSC connects! podcast



## **Challenges and Change for Women of Color in Science** A Conversation with Evelyn Hammonds

Barbara Gutmann Rosenkrantz Professor of the History of Science and Professor of African and African American Studies, Faculty of Arts and Sciences; Professor in the Department of Social and Behavioral Sciences, Harvard T. H. Chan School of Public Health



## **Visualizing Science** From Black Holes to the Future with Peter Galison

Director of the Collection of Historical Scientific Instruments  
Filmmaker, and Professor of Physics and the History of Science



## **Reflections on Repatriation with Philip Deloria**

Leverett Saltonstall Professor of History at Harvard  
Chair of the Committee on Degrees in History and Literature  
Chair, Native American Graves Protection and Repatriation Act (NAGPRA) Committee



## **Twenty-First Century Reflections on the Study of Ancient Egypt with Peter Der Manuelian**

Director of the Harvard Museum of the Ancient Near East  
Harvard Professor of Egyptology



## **Reflecting on Geechee Traditions with Master Basket Maker, Yvonne Grovner of Sapelo Island, Georgia**

# HMSC online exhibits



## **From Nation to Nation**

Examining Lewis and Clark's Indian Collection



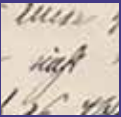
## **Uncovering Pacific Pasts**

Harvard's Early Endeavors in Oceanic Anthropology



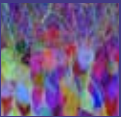
## **Listening to Wampanoag Voices**

Beyond 1620



## **The Interpretation of Drawings**

Freud and the Visual Origins of Psychoanalysis



## **Visual Science**

The Art of Research



## **Mediterranean Marketplaces**

Connecting the Ancient World



## **Face to Face**

Portraits of Museum Animals by Jana Matusz



## **What's in a Name?**

An Interactive Exhibit on the Naming of Species

# HMSC publications



## GLASS FLOWERS

### Marvels of Art and Science at Harvard

JENNIFER BROWN, SCOTT E. FULTON, AND DONALD H. PFISTER

PHOTOGRAPHS BY NATALJA KENT

paperback / 144 pages / 89 photographs



## SEA CREATURES IN GLASS

### The Blaschka Marine Animals at Harvard

ELIZABETH R. BRILL, FLORIAN HUBER

PHOTOGRAPHS BY DAVID O BROWN

paperback / 112 pages / 100 photographs



## TYPOLGY

### Collections at the Harvard Museums of Science & Culture

DIANA ZLATANOVSKI

paperback / 80 pages / 38 photographs

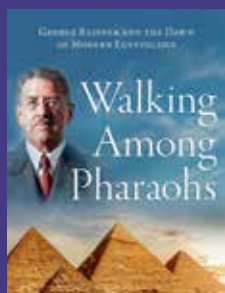


## RAREST OF THE RARE

### The Stories Behind the Harvard Museum of Natural History

NANCY PICK, MARK SLOAN, AND EDWARD O. WILSON

paperback / 192 pages / 95 photographs



## WALKING AMONG PHARAOHS

### George Reisner and the Dawn of Modern Egyptology

PETER DER MANUELIAN

The director of the Harvard Museum of the Ancient Near East, Peter Der Manuelian, examines the life and work of America's greatest archaeologist. He considers his life within the context of Western colonialism, racism, and nationalism. *Will ship on October 5, 2022.*

hardcover / 1088 pages / 100 b&w halftones, 52 color images

# HMSC TOURS

Guided, Self-Guided, and Virtual Ways to Explore



## GLASS FLOWERS GUIDED TOURS **HMNH**

- Featuring the *Ware Collection of Blaschka Glass Models of Plants and Sea Creatures in Glass* Exhibitions
- Both In-Person and Virtual Options Available

Groups can reserve private docent-led tours that delve into the history, artistry, and significance of the Blaschka collections. These interactive tours give participants the opportunity to explore the Glass Flowers gallery and they offer time for Q&A with knowledgeable guides.

Advance registration required. [Information on registration, capacity, and fees.](#)

## SELF-GUIDED TOURS

### Mobile Gallery Experiences

- *Dreaming the Sphinx in Augmented Reality* **HMANE**
- *Hear Me Out/Escúchame Project Wild Life Audio Reflections* **HMNH** \*
- *Listening to Wampanoag Voices Audio Reflections* **PMAE**
- *Mediterranean Marketplaces Audio Tour* **HMANE**

\* Indicates bilingual offering

## VIRTUAL SELF-GUIDED TOURS

- *Hear Me Out/Escúchame Project Reflections on the Resetting the Table* exhibition **PMAE** \*
- *Nature As Artist* **HMNH**
- *A World of Connections* **HMNH**
- *Museum Tour* **HMANE**

[Information on self-guided tours](#)

# 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. Additionally, members support everything we do, from free public lectures and educational outreach to new exhibitions.

**As a member, you will enjoy benefits all year long. Highlights from our most popular membership levels are:**

- Unlimited admission to all four HMSC museums
- Free admission to the Harvard Art Museums
- Free access to science centers worldwide through ASTC
- Invitations to exclusive in-person events
- Invitations to members-only online programs
- Special prices on museum classes
- Discount on museum shop purchases
- Free parking and guest passes

For more information on membership levels, go to: [hmsc.harvard.edu/membership](https://hmsc.harvard.edu/membership)  
Questions? Please contact the Membership Office: [members@hmsc.harvard.edu](mailto:members@hmsc.harvard.edu)

## **JOIN TODAY!**

# ¡Una membresía. Cuatro museos... e innumerables oportunidades!



La membresía a los Museos de Ciencia y Cultura de Harvard abre las puertas de cuatro museos, y proporciona acceso y oportunidades especiales. Además, los miembros del museo apoyan todo lo que hacemos, desde las conferencias públicas gratuitas y la divulgación educativa hasta las nuevas exposiciones.

**Como miembro de los museos, disfrutará de ventajas durante todo el año. Los aspectos más destacados de nuestros niveles de afiliación más populares son:**

- Entrada ilimitada a los cuatro museos del HMSC
- Entrada gratuita a los Museos de Arte de Harvard
- Acceso gratuito a los centros de ciencia de todo el mundo a través de la ASTC
- Invitaciones a eventos exclusivos en persona
- Invitaciones a programas virtuales exclusivos para miembros
- Precios especiales en las clases del museo
- Descuentos en la tienda del museo

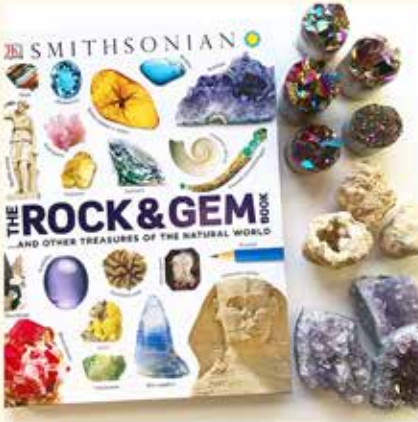
Para más información sobre los niveles de membresía, visite: [hmsc.harvard.edu/membership](https://hmsc.harvard.edu/membership)

¿Preguntas? Póngase en contacto con la Oficina de Membresías: [hmsc.harvard.edu/membership](https://hmsc.harvard.edu/membership)

## ¡ÚNASE HOY MISMO!

# The Shop at HMNH

Inspired by  
the museum  
collections



Looking for the perfect gift? Let us help you find the perfect item from the museum shop!

- For details, [visit hmn.harvard.edu/shop](http://hmn.harvard.edu/shop)
- HMSC members receive a 10% everyday discount

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