

Mosaic

fall 2019



Photo credit: NASA

CMC



Dear Friends,

We are at an incredible moment in the history of Cincinnati Museum Center. CMC has cultivated curiosity for more than 200 years. From our museum's earliest days as the Western Museum Society – founded by Dr. Daniel Drake in 1818 – we have brought the world to Cincinnati.

As our museum has grown and evolved over two centuries, we've explored many topics and questions, helping you understand different aspects of the world around us– space travel, climate change, historic conflicts, industrial development, physics, genetics and more. We are driven by our principles to use our rich and diverse collections, our curatorial expertise and extensive research to cultivate knowledge and inspire curiosity.

One of the most incredible historic and scientific objects we could bring to you arrives through a very special relationship with the Smithsonian Institution. Your Cincinnati Museum Center has been selected as the final stop on the national tour for *Destination Moon*, a traveling exhibition featuring artifacts flown on Apollo 11 and the *Columbia* command module itself. *Destination Moon* chronicles how a small army of scientists, engineers and technicians made Neil Armstrong – an Ohioan, a Cincinnati and board chair emeritus of the Museum of Natural History & Science – a household name. This extraordinary exhibition opens September 28.

Armstrong deeply valued the mission of the natural history museum and our heritage in this community. This fall, we invite you to go deep into our history and discover how John James Audubon, CMC's first employee, charted a course presenting scientific specimens that continues today. See how his work lives on in the artists and naturalists he inspired, including living legend (and dear friend to Neil Armstrong) John A. Ruthven. A current generation of wildlife artists presents their work inspired by Audubon and Ruthven as part of *In the Audubon Tradition: Birds of a Feather*, opening in our special exhibition gallery on September 13.

All of this inspires a party like no other at CMC! Join us for the event of the year when we celebrate our 200-year history at the *Layers of Wonder* celebration on November 1. This multi-museum, multi-layered party across time and space features inventive cocktails, culinary delights, live music and entertainment in a celebration that truly is 200 years in the making. You won't want to miss it. Tickets are available now.

So stop by this fall. See where our 200-year legacy of discovery will take us next.

Sincerely,

Elizabeth Pierce
President and CEO

6 *In the Audubon Tradition*

A celebration of wildlife artists spanning 200 years, from John James Audubon and John Ruthven to the next generation

9 *Destination Moon* makes final stop of national tour

Featuring the *Columbia* command module, the only part of the Apollo 11 spacecraft to survive the lunar journey

11 *Apollo 11: First Steps Edition*

See the Apollo 11 mission for the first time when it opens September 28.

12 *Meet Heather Farrington*

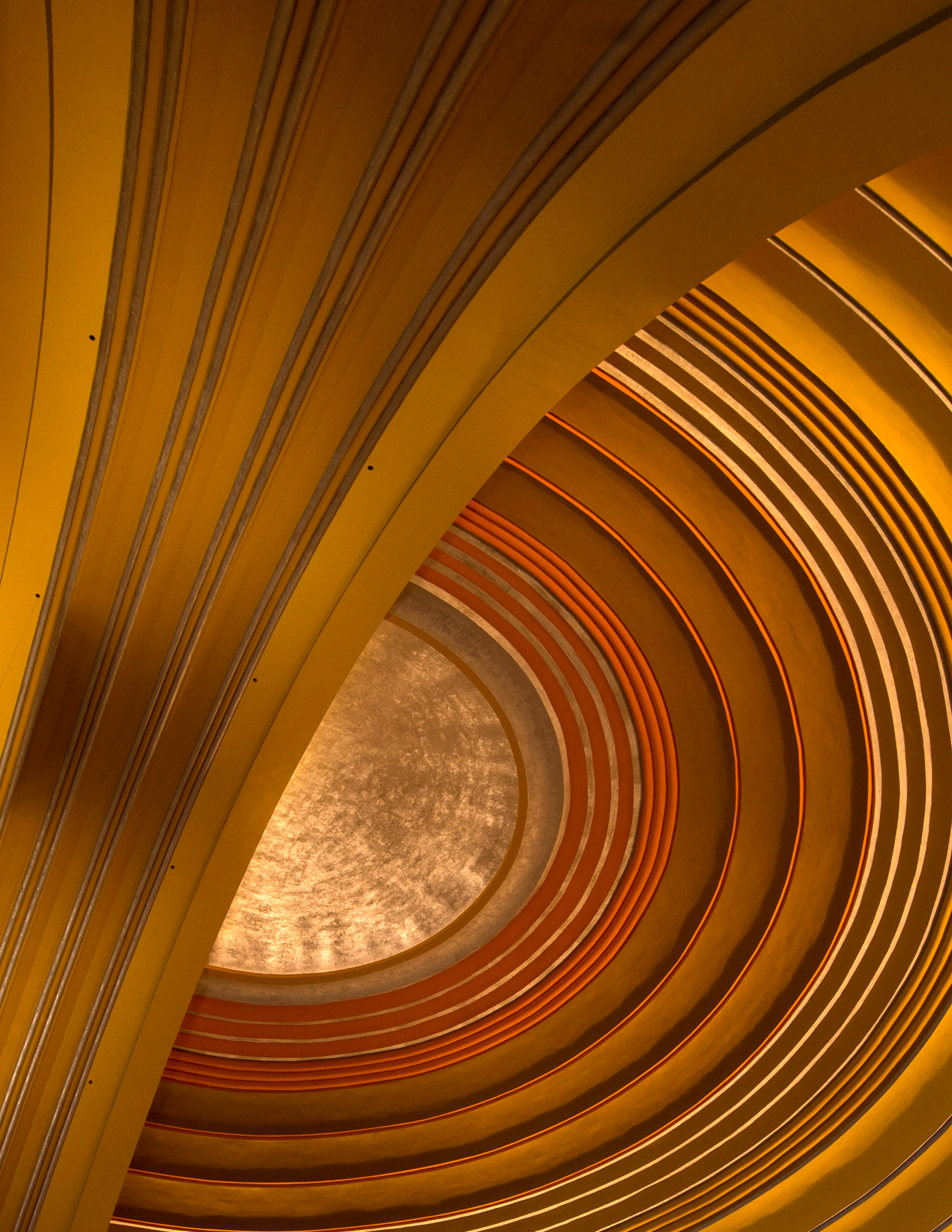
How ancient DNA has CMC looking to the future

13 *Cincinnati in the Great War*

Until We Meet Again: Cincinnati Portraits from World War I, part of FotoFocus, now open



Now playing in OMNIMAX CUBA: *Journey to the Heart of the Caribbean*





LAYERS *of wonder*

A celebration 200 years in the making

Toast a 200-year legacy of discovery with a multi-layer party across time and space. *Layers of Wonder* features inventive cocktails, culinary delights, live music and entertainment in a lavish evening at the city's most unique venue. **Join the party on November 1, 2019.**

With bars on every level, you can enjoy exclusive after-hours access and delicacies from the city's culinary experts as you bar hop across three museums. Walk the cobblestone streets past an 1850s steamboat and beer hall as you feast on a rustic Cincinnati staple and raise a stein of your favorite local brew. Sneak into a 1930s speakeasy to enjoy a Manhattan and decadent desserts. Embrace your inner carnivore or herbivore as you graze in the shadow of dinosaurs and explore the nooks and crannies of our cave with a spiked shaved ice in hand. And let our mad scientists delight your taste buds with liquid nitrogen-fueled foods and fizzing cocktails.

A series of explosive spectacles, your choice of live music or a silent disco and an incognito sketch artist capturing the evening's events make for one unforgettable night at the museum. *Layers of Wonder* is your opportunity to be seen at the event of the year. Encounter old friends and make new ones in a vibrant evening to remember.

Join us for the event of the year

Tickets are \$200 each but buy your tickets before October 1 and save with the early bird price of \$150. Choose a premium ticket for \$225 and get exclusive bar access so you can skip the wait and get back to the party. But hurry, only a limited number of premium tickets are available.

CMC Members can get their tickets for just \$150 anytime.

Friday, November 1, 2019

Tickets are on sale now at cincymuseum.org/layersgala/tickets.

#200YearsOfCMC



The Junior League of Cincinnati

Tapping women's potential

The women of the Junior League have been making a difference in Cincinnati for 100 years. They focus on the development and wellness of families and children in the Cincinnati region, working to fill a gap in social services and address issues that have been overlooked.

CMC is helping the Junior League of Cincinnati celebrate its centennial by shining a spotlight on some of its most impactful projects with oral histories, graphics and videos.

The Children's Theatre of Cincinnati

Developed in 1924 as the Junior League Players and incorporated in 1947 as The Children's Theatre.

Fernside

Established in 1986 as the nation's second oldest children's grief center.

MindPeace

Initiated in 2002 and launched in 2007 to answer a significant need for an improved system of mental healthcare for children.

GrinUp!

A pediatric oral health project that culminated with the Duke Energy Children's Museum's *Inside the Grin* exhibit in 2014.

Discover how this amazing group of women has made our city a better place to live, play and grow.

The Junior League of Cincinnati: Making a Difference for 100 Years exhibition is open through June 2020 and is free with admission.

cincymuseum.org/junior-league

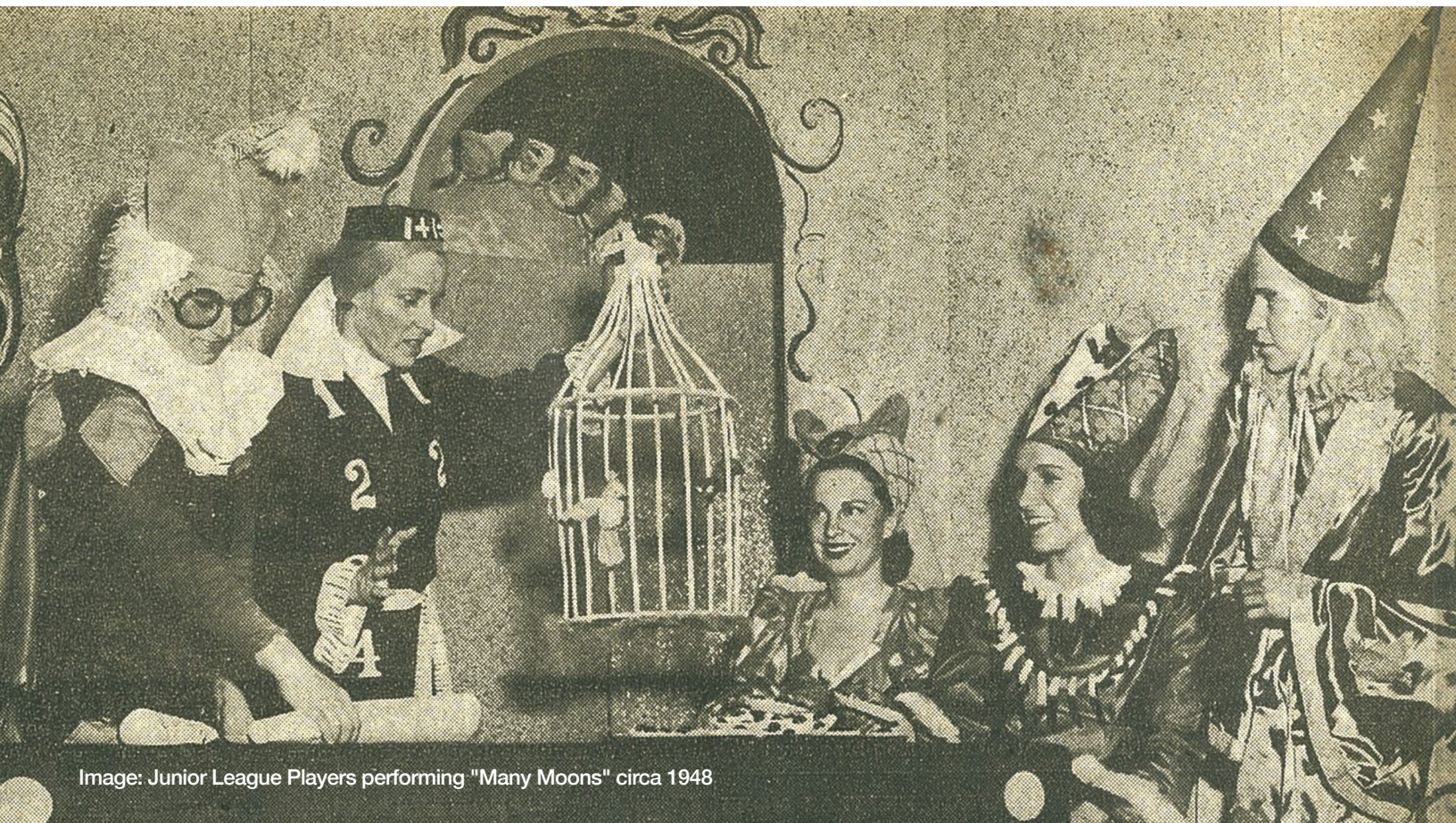


Image: Junior League Players performing "Many Moons" circa 1948

In the Audubon Tradition:

Birds of a Feather

Audubon, Ruthven and the next generation

Cincinnati Museum Center is celebrating its 200 years through the brushstrokes of legendary wildlife artists. *In the Audubon Tradition: Birds of a Feather* features original artwork from John James Audubon and Cincinnati native John A. Ruthven, an artist inspired by Audubon and widely regarded as the 20th-century incarnation. Alongside their original artwork will be documents such as the 1818 legal letter that drove Audubon to bankruptcy and led him to seek the steady pay offered by the Western Museum and a poem written to Ruthven by Neil Armstrong in appreciation for a painting given to the astronaut. Specimens of some of the birds featured in the artists' paintings, including the Great Auk, will also be on display.

In the Audubon Tradition also features 290 pieces of contemporary art from 81 wildlife artists from around the country. These pieces of contemporary art – ranging from miniatures the size of postage stamps and lifelike bronze sculptures to watercolors and scenes carved into individual feathers – are available for sale and a portion of the proceeds will go to support the care and preservation of CMC's collections.

In the Audubon Tradition: Birds of a Feather opens September 13 in the Westheimer II Exhibit Hall and is free with admission.

cincymuseum.org/Audubon.

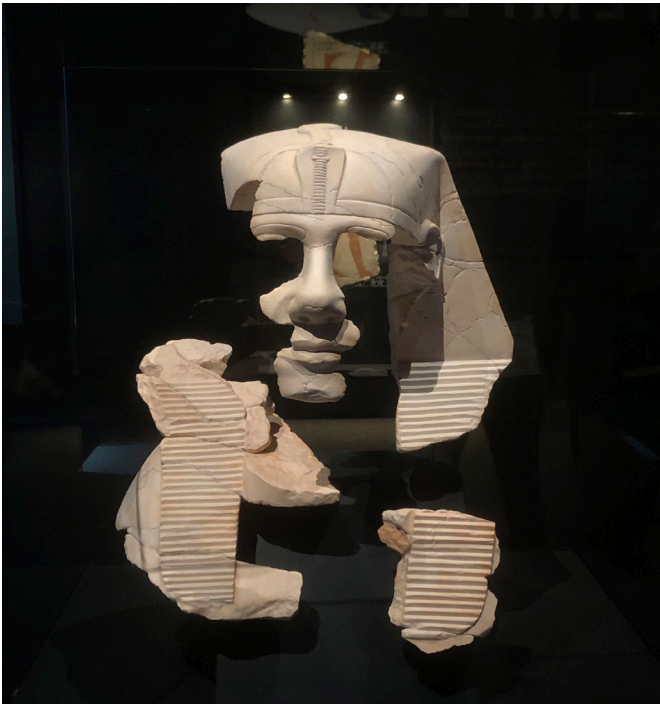
#200YearsOfCMC



CALENDAR HIGHLIGHTS

August

- August 10** 1940s Day
- August 18** *Egypt: The Time of Pharaohs* closes
- August 19** Fluid Dynamics, 3 p.m. MNHS
- August 24** Banfield Pet Academy, 11 a.m. DECM
- August 24** ArtAPPRENTICE: Art Builds with Lizzy Duquette, 11 a.m. DECM



SPOTLIGHT

Story Tree Time
Wednesdays, 11 a.m. DECM

Bring your little one and join us as we play, dance, sing and listen to a new story every week. Plus, catch special appearances by characters from the Children's Theatre of Cincinnati.

September

- September 4** Crazy Creatures, 2 p.m. MNHS
- September 13** *In the Audubon Tradition: Birds of a Feather* opens
- September 14** Cincy STEM: 4H presents Kitchen Chemistry, 11 a.m. STEM
- September 28** *Destination Moon: The Apollo 11 Mission* opens
- September 30** Super Sprouts: Moonscapes, 10 a.m. DECM

SPOTLIGHT

Heritage Programs Tours

For over 30 years, CMC's Heritage Programs have enjoyed sharing the stories of Cincinnati's past, providing intimate access to historic buildings, neighborhoods and natural spaces. Don't miss one of our bus or walking tours.

- September 4** Starry, Starry Night at the Cincinnati Observatory
- September 14** Over-the-Rhine walking tour
- September 17** Tri-State Warbirds Museum
- September 21** Greater Cincinnati Water Works
- September 28** Harriet Beecher Stowe House
- September 28** Downtown walking tour
- September 7 & October 5** Union Terminal Restoration Tours



CALENDAR HIGHLIGHTS

October

- October 6** Cincy STEM: MimicEducationalRobots, 1 p.m. STEM
- October 19** Fossil Fest
- October 19** Banfield Pet Academy, 11 a.m. DECM
- October 21 & 24** Cincy STEM: 4H presents Kitchen Chemistry, 11 a.m. STEM
- October 27** Elements, Periodically: Oxygen, Oozing Pumpkins, 3 p.m. STEM



Science Stage

Our new Austin E. Knowlton Foundation Science Stage Shows use explosive spectacles to showcase science in action. The 10-to 20-minute shows use large-scale demonstrations and audience participation to tackle physics, electricity, chemistry and more. Whether the show goes up in flames or is cooler than dry ice, you'll feel the electricity in the air (maybe even in your hair).

Check cincymuseum.org/events-calendar for the full schedule of the Austin E. Knowlton Foundation Science Stage Shows this fall.



SPOTLIGHT

Public Landing resident
Sundays and Thursdays, 1:30 p.m. CHM

Meet interpreters in historic costumes as they go about their day-to-day lives in bustling downtown Cincinnati in the 1850s.



NEW! MEMBER STAMPS SAVE TIME

Show your Membership card and ID once when you visit and we'll give you a hand stamp so you can breeze through the rest of your visit.

DESTINATION MOON

THE APOLLO 11 MISSION

The final stop of *Destination Moon: The Apollo 11 Mission* national tour

On July 24, 1969, the three-man crew of Apollo 11 splashed down in the Pacific Ocean, meeting President Kennedy's 1961 challenge of "landing a man on the Moon and returning him safely to Earth." *Destination Moon* explores and honors that great achievement using genuine artifacts flown on the historic mission from the collections of the National Air and Space Museum, including the *Columbia* command module, on display outside of the Smithsonian for the last time before returning to a new gallery in Washington, DC.

How Cincinnati helped bring Apollo 11 home

Of the Apollo 11 mission, Neil Armstrong said, "We had hundreds of thousands of people all dedicated to doing the perfect job." While those thousands of people helped get Armstrong, Buzz Aldrin and Michael Collins to the Moon, two local companies helped get them safely home.

As *Columbia* hurtled toward Earth prior to splashdown, its surface reached a temperature of more than 5,000°F, more than enough to endanger the three men inside. To protect the astronauts, NASA developed an ablative heat shield that covered the entire module.

Two Greater Cincinnati companies manufactured key components of the *Columbia*'s heat shield. Aeronca, an aviation manufacturer in Middletown, made an integral component of the heat shield – coated fiberglass fused onto a steel base that formed a honeycomb structure. AVCO, the company that bought the Crosley Corporation, developed a low-density composite material made of phenolic epoxy resin that filled each cell of the honeycomb.

When *Columbia* reentered Earth's atmosphere over the Pacific Ocean the resin began to erode. As a portion of the resin vaporized (exactly as designed), the gases helped dissipate the heat rather than collecting it around the surface of the spacecraft. The shockwave that resulted from the wide, blunt end of the module and the speed of reentry also helped keep some of the heat away, further protecting the astronauts inside from the rising temperatures.

Columbia safely splashed down in the ocean just 13 miles from the USS Hornet and Neil, Buzz and Michael climbed out of the command module international heroes. Thanks in no small part to the giant leaps of Cincinnati-based Aeronca and AVCO.

See it for yourself when *Destination Moon: The Apollo 11 Mission* opens September 28.

cincymuseum.org/destination-moon

#CMCmoon

Destination Moon: The Apollo 11 Mission is organized by the National Air and Space Museum and the Smithsonian Institution Traveling Exhibition Service. The exhibition is made possible by the support of Jeff and MacKenzie Bezos, Joe Clark, Bruce R. McCaw Family Foundation, the Charles and Lisa Simonyi Fund for Arts and Sciences, John and Susann Norton, and Gregory D. and Jennifer Walston Johnson.

CMC is grateful for the support of the Carol Ann and Ralph V. Haile, Jr./U.S. Bank Foundation, the Farmer Family Foundation and the Harold C. Schott Foundation.



Member exclusive!

Celebrate the 50th anniversary of Apollo 11 and enjoy a night at the museum on October 4

Save the date! Members are invited to an exclusive, Members-only event on Friday, October 4. Get exclusive access to *Destination Moon* and more than 20 authentic artifacts that flew aboard Apollo 11.

Then see what happens in the museums after closing time and explore your favorite spots: *The Cave*, *The Woods*, *Cincinnati in Motion*, *The Neil Armstrong Space Exploration Gallery*, presented by the Harold C. Schott Foundation, and more. And don't miss *CUBA* in our OMNIMAX® Theater at a special discount.

Plus, tour stunning wildlife artwork from legendary artists dating back 200 years in *In the Audubon Tradition*. Member-exclusive access to *In the Audubon Tradition* is free for Members. *Destination Moon* and OMNIMAX® films will be available at a discounted price.

Reserve your spot and learn more: cincymuseum.org/members/events.



Witness the historic Moon landing for the first time

On July 20, 1969, Neil Armstrong bounded down the steps of the Apollo 11 lunar module, planted his boot on the dusty soil of the Moon and made world history. As he stood on the Moon, alone, the world watched – over 530 million people tuned in to Armstrong's giant leap for mankind. On that evening in the United States, 96% of people watching television were watching Armstrong and Buzz Aldrin make history.

Filmmaker Todd Douglas Miller is giving audiences the opportunity to relive the historic moment in a way truly never seen before. *Apollo 11: First Steps Edition* uses original 70mm footage pulled from NASA and the National Archives, over 100 reels marked "Apollo 11" or July 16, 1969 (the launch date). No one really knew what was on them, not even the archivists.

The accompanying commentary is pulled from more than 11,000 hours of uncatalogued audio recordings. Hear the error alarms buzzing in the spacecraft and real trepidation and resolve of the astronauts and NASA scientists as they live through the moment in real time. The result is a surreal experience that puts you in Mission Control, in the Apollo 11 spacecraft and on the lunar surface in 1969.

See the Apollo 11 mission for the first time in the Robert D. Lindner Family OMNIMAX Theater when *Apollo 11: First Steps Edition* opens September 28.

For tickets and showtimes visit cincymuseum.org/first-steps.

#Apollo11Film

Complete your Apollo 11 experience with a CMC Space Package



See a national treasure in the Smithsonian's traveling exhibition ***Destination Moon: The Apollo 11 Mission***, which features the Apollo 11 command module *Columbia* – the only portion of the spacecraft to survive the lunar journey.



Then, dive even deeper into the legacy and accomplishments of mission commander Neil Armstrong and see the jacket and communications cap he wore on the historic mission and a Moon rock he brought back in CMC's permanent ***Neil Armstrong Space Exploration Gallery***, presented by the Harold C. Schott Foundation.



Relive the historic moment in real time in the OMNIMAX® film ***Apollo 11: First Steps Edition***, a cinematic event 50 years in the making.

Get to Know: Heather Farrington, Ph.D.

Meet Heather Farrington, Ph.D., Curator of Zoology, one of our researchers working behind the scenes at Cincinnati Museum Center.

Q. What's your role at Cincinnati Museum Center?

As Curator of Zoology, I have three main functions. I am responsible for the preparation, care, maintenance and tracking of all zoology collection specimens, both on exhibit and in the collections. Second, I manage our DNA Lab, which includes my own research and mentoring students. Finally, I supervise our live animal program. I'm also involved in planning for new galleries and exhibits, helping education staff develop new programs and more.

Q. How did you get into this line of work?

I've always had an interest in biological sciences and have loved museums since I was very young. But my interest in a museum career came about when I was using "ancient DNA" in my graduate work. This involves recovering DNA from preserved specimens in museum collections.

Q. What current projects are you working on?

The big project right now is digitizing our collection catalogs. The oldest specimens with clear collections data are from the mid-1800s, but some of our taxidermy specimens likely date back to the museum's opening 200 years ago. Our goal is to get all of our collections into globally accessible databases so scientists all over the world can know what specimens we have and utilize them for research projects.

On the research side, we are conducting a series of projects in the DNA Lab on species including garter snakes, woodrats, crayfish and more.

Q. Many people may be surprised to know we have a DNA Lab. How are we using it?

We're primarily using the DNA Lab to conduct research on animal populations. An example of this is our recent population assessment of the Allegheny Woodrat in the Richard and Lucile Durrell Edge of Appalachia Preserve System in Adams County. The woodrat is endangered in Ohio and we're hoping our work helps inform state wildlife agencies on how to best manage and preserve this species.

We're also working with community partners such as the Cincinnati Zoo and local universities to bring new research projects and scientists into the space, which is a great opportunity for community collaboration.

"I was fascinated by the fact these specimens were collected over 100 years ago, before we knew anything about DNA, by explorers who had no idea what information researchers in the future would be able to gain from these animals."

– Heather Farrington, Ph.D.



"We have a lot of amazing specimens - over 250,000 in the Zoology Collection – but if I had to choose a favorite, I'd say the Resplendent Quetzal, a Central American bird with a beautiful long green tail."



Cincinnati Portraits from WWI

See and remember

From 1914 to 1918, more than 68 million soldiers were locked in combat across the globe. More than 9.9 million lost their lives in the “war to end all wars,” leaving virtually no family untouched. Among the lost were 400 Cincinnatians, a small number in the grand scale of World War I, but a heavy loss for the loved ones left behind.

In December 1918, Cincinnati came together to honor its sons and daughters who had served in World War I. The United States and Allied Governments War Exposition at Music Hall featured over 6,000 portraits of those who had served, each loaned by local families.

Of the 6,000 portraits loaned for the expo, 2,625 were later donated to the Historical and Philosophical Society of Ohio, the predecessor to CMC’s History Library and Archives. *Until We Meet Again: Cincinnati Portraits from World War I* features a selection of those photographs alongside uniforms, flags and posters from the expo.

Until We Meet Again: Cincinnati Portraits from World War I is open in the Ruthven Community Gallery through September 29, 2019. The exhibition is made possible through the support of FotoFocus and the Public Library of Cincinnati and Hamilton County.

cincymuseum.org/wwi

Thank you to our supporters!

CMC is grateful for contributions from our organizational supporters. Thank you for helping people of all ages learn more about our world. The following organizations have given to our mission since April.

Best Buy

Cincinnati Flying Pig Marathon, Inc.

The Cincinnati Women's Club

The Thomas J. Emery Memorial

Enterprise Holdings Foundation

Ernst & Young LLP

Falcon Financial Services

Farmer Family Foundation

FotoFocus

The Procter & Gamble Company

GE Foundation

Carol Ann & Ralph V. Haile, Jr./ U.S. Bank Foundation

HealthPath Foundation of Ohio

Johnson & Johnson Co.

Austin E. Knowlton Foundation

The Kroger Company

John Leshy Fund for Adams County

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SC Ministry Foundation

Science Museum of Minnesota

Summertime Kids Fund of The Greater Cincinnati Foundation

Taft, Stettinius & Hollister LLP

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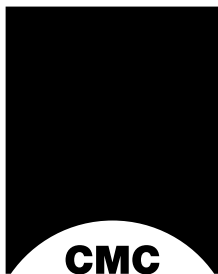
In addition to these organizations, CMC continues to inspire people of all ages thanks to generous supporters like you. Thank you!

Make a gift to the Annual Fund

Cincinnati Museum Center has a legacy of discovery 200 years in the making. With your support, we are uniquely equipped to tell the story of our past and shape our bold future through dynamic exhibits, engaging educational programming and groundbreaking research.

Your support makes a significant impact on the community and strengthens CMC for the future. When you give to the Annual Fund, you shape more critical thinkers and lifelong learners by giving our young people the tools and knowledge they need to be tomorrow's leaders and innovators.

Visit cincymuseum.org/donate to make your gift today.



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One small step

If you are looking for new ways to go green, consider opting out of paper editions of *Mosaic*. Instead, we'll send you an electronic version quarterly to your inbox.

Visit cincymuseum.org/go-green to opt out of paper *Mosaic* and help us do our part to save a tree or two.

