Enter the public and private worlds of Billie Holiday, through the poignant, beautiful photographs of Jerry Dantzic.

BILLIE HOLIDAY

AT SUGAR HILL

PHOTOGRAPHS BY JERRY DANTZIC

January 25, 2020 – April 19, 2020

Museum of Arts & Sciences
352 S. Nova Road, Daytona Beach, FL 32114
386.255.0285 | MOAS.org

BILLIE HOLIDAY AT SUGAR HILL: PHOTOGRAPHS BY JERRY DANTZIC is an exhibition organized for travel by the Smithsonian Institution Traveling Exhibition Service in collaboration with the Jerry Dantzic Archives. All photographs © 2018 Jerry Dantzic / Jerry Dantzic Archives. All rights reserved.
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DEAR FRIENDS,

As I write this, it is hard to believe we are already at the end of 2019 and moving into 2020. It also had some difficult moments throughout 2019 as well. Sitting and waiting while Hurricane Dorian approached and threatened. It rained throughout the state before stalling over the Bahamas and then staying just far enough off the coast for us not to see the worst of its wrath was one of them. Thankfully the Museum fared well with the winds and rain that we did get in Daytona Beach. Naturally, the one tree that fell in Tuscawilla Preserve went right through the recently repaired boardwalk path, meaning that we had to close a small portion of the boardwalk for safety. Fingers crossed we can get that tree taken out and the path repaired so that visitors can once again enjoy the nature walk in its entirety!

We also said goodbye to longtime MOAS volunteer and Trustee, Tom Zane, who sadly passed away in June 2019. While it was sad to hear of his passing, I am reminded of all of us here of the wonderful staff and friends that we have and the enthusiasm that he and his wife Sena brought to the Museum. I was honored to be in Phoenix to represent the Museum at his funeral and was overwhelmed by the stories that I heard about Tom and Sena’s love for MOAS and their time spent here. It was truly humbling to hear how we made such a positive difference in their lives.

It really has been quite a year here in Daytona Beach. I hope that you have enjoyed our programs and exhibits. It takes the effort of a fantastic group of staff and trustees to devote, produce, present, and raise the funds needed to do all that MOAS does. We hope we can make a positive impact in your lives and those of the entire community. I promise we will continue our efforts and keep you updated on how we can make a difference in our community in 2020! Happy New Year!

KATHRYN YONG
Guest Relations Assistant
Maintenance Team

DEAR MODEL

The Space Coast High School 12-volt Jazz Band had the unique experience of receiving tips and feedback from members of the world renowned Smithsonian Art Music Workshops.

RUTH GRIM, Chief Curator and Gayd R. Libby Curator of Art
ARTS & SCIENCES MAGAZINE
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**Congratulation**

**Randy Dye**

Congratulations to MOAS Trustee, Randy Dye, on receiving Philanthropist of the Year at the 2019 National Philanthropy Day celebration presented by the Volusia-Flagler Chapter of the Association of Fundraising Professionals on November 15, 2019.

Randy is an active member of the MOAS Board of Trustees as well as the Finance Committee. His commitment to the Museum ensures the longevity and success of MOAS. An example of great leadership, Randy has contributed personally to the current MOAS endowment campaign and has been a key component in raising over $11 million towards the campaign, surpassing the initial goal of $10 million.

Aside from his personal commitment to the Museum, Randy is an asset to our community as he is a major supporter to other local non-profits such as the Boys & Girls Club of Volusia and Flagler County, Childhood Cancer Foundation, and Volusia County School Fuel.

We are beyond grateful for Randy’s positive impact and commitment to the Museum of Arts & Sciences. It is safe to say his positive influence is seen in many parts of the community.

**Marion Whelton**

Marion has volunteered as a Gallery Specialist at MOAS since 1987, shortly after she and her husband retired leaving the New England snow behind. It has been a pleasure for her to watch the Museum grow over the years. Even after 32 years, she continues to learn through the education and support provide by the MOAS curators and education team as well as many hours of self-study. It is difficult for her to name a favorite gallery as she finds unique and special objects in each gallery of the main museum as well as the Cici and Hyatt Brown Museum of Art. Marion has also contributed to the Museum by helping with special educational events, training new docents, and teaching hands-on classes. Her biggest joy comes from sharing her knowledge with MOAS visitors to help enhance their visit.

Art, history, travel, and antique collecting have always been a passion of hers. As a family, Marion, her husband, and twin daughters spent many hours in the pursuit of those interests. After retirement she and her husband traveled the world, visiting every continent, 60 countries, as well as all of the United States. Because of her interest in history she is a volunteer docent at the Halifax Historical Society museum. When she is not volunteering she is bird watching, gardening, looking for antiques and visiting her children and grandchildren in Texas and Virginia.

During the 2019 Annual Dinner the MOAS Board of Trustees recognized individuals who have made some of the most significant contributions to the Museum’s efforts with the following awards:

The Marge Sigerson Volunteer of the Year Award which is offered in recognition of exceptional volunteerism with the Museum of Arts & Sciences was presented to Bob Skinner.

Bob Skinner retired to Daytona Beach in 2008 after enjoying numerous vacations to the area. He began volunteering in the Museum Library in 2014 and became a docent at the Cici and Hyatt Brown Museum of Art in 2015. Prior to retirement, Bob spent 25 years with the Southern Methodist University in Dallas, Texas, first as head of their Music and Fine Arts Libraries, and then as a teacher and administrator.

Bob also worked at Harvard, the University of California at San Diego, and the University of North Texas. Bob’s interests vary almost as much as the Florida weather, and currently include Egypt, genealogy, travel, and cooking. We are thankful that Bob has chosen to donate his time and talents to the Museum of Arts & Sciences.

This year our Award of Distinction has been renamed in honor of the Root Family, a family whose association with the Museum and continued commitment to supporting its mission fits perfectly with the spirit of this award, which is offered in recognition of outstanding support and service to the Museum of Arts & Sciences. This year’s Root Family Award of Distinction was presented to Randy Dye and Dr. Kent Sharples.

When deciding who would receive this year’s award, Randy and Kent were the two people who came to attention as they have made it their personal priority to show leadership as trustees of the Museum and truly committed to working towards securing the future of the organization. They both have become among the most active members on our board and have acted as key strategists and participants in raising over $15 million towards the MOAS Endowment, surpassing the announced goal of $10 million in barely seven months. As an example of leadership, both Randy and Kent have made significant personal contributions to the endowment campaign, and have worked throughout the year to identify, cultivate, and make the crucial asks to potential endowment donors. Their work has been a vital part in allowing us to carry on working to meet the Museum’s mission to inspire, cultivate, and make the crucial asks to potential endowment donors. Their work has been a vital part in allowing us to carry on working to meet the Museum’s mission to inspire, cultivate, and promote lifelong learning in art, science, and history.

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The 2019 Passport Gala fundraiser featuring Jazz from Broadway to Hollywood was one of the most memorable to date!

The Passport Gala, held on September 27, 2019, was the 9th annual fundraiser for the Museum of Arts & Sciences. This year’s sold-out prohibition-themed gala highlighted jazz music from Broadway to Hollywood.

The event was held for the second year at the Museum. The evening kicked-off in the Root Family Museum Train Station. Guests arrived via a red carpet entrance and enjoyed browsing through the start of an expansive silent auction. Photo opportunities in front of the Hiawatha train car and delicious appetizers greeted everyone as they made their way into the Root Family Museum for cocktails, even more silent auction items, wine samples from S.R. Perrott, and more appetizers!

After mingling during cocktail hour, guests were escorted to the beautifully decorated West Wing where they enjoyed a delicious dinner. Entertainment for the evening featured a performance by the world-class Smithsonian Jazz Masterworks Orchestra in the Root Family Auditorium. An extra special addition to the evening was the announcement of the extremely generous donation by Lowell and Nancy Lohman for the naming of the planetarium, now known as the Lowell and Nancy Lohman Family Planetarium, and the amazing progress being made towards building the Museum’s endowment.

This year’s fundraiser was one of the most memorable to date with a sold-out crowd. We thank our sponsors and the community for the continued support and look forward to making more memories in the years to come.

A Special Thank You to This Year’s Passport Gala Sponsors

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Lowell and Nancy Lohman
Lohman Property Management
David and Linda Neubauer
Jim and Ellen O’Shaughnessy
Radiology Associates Imaging
Volusia County
Wright & Casey, PA.
As a proud Smithsonian Institution Affiliate, MOAS is pleased to offer one of its latest traveling exhibitions – *Billie Holiday at Sugar Hill: Photographs by Jerry Dantzic* – as part of its exhibition schedule this winter. Opening January 25 and running through April 19, this exhibition shows the enigmatic, private singer up close and personal as never seen before in the two years before her death in 1959. Sixty years later, she still fascinates and the 56 photos in the exhibition – many printed large format – recall not only the heyday of mid-20th century American jazz and blues, but the real life of one of its most famous figures. A video of one of her 1957 performances is included in the exhibition and the book with 100 of the photos taken by Jerry Dantzic at Sugar Hill accompanies the exhibition.

**Billie Holiday**

_Eleanora Fagan (1915-1959), better known as Billie Holiday, was an American jazz singer with a career spanning nearly thirty years. Nicknamed “Lady Day” by her friend and music partner Lester Young, Holiday had a seminal influence on jazz music and pop singing. Her vocal style, strongly inspired by jazz instrumentalists, pioneered a new way of manipulating phrasing and tempo. She was known for her vocal delivery and improvisational skills, which made up for her limited range and lack of formal music education._

_Duke Ellington called Billie Holiday “the essence of cool,” a reference to her equipoise in performance. One of the most influential jazz vocalists of all time, Holiday had a controlled emotional power that transformed even trite ballads into romantic short stories. She performed with Count Basie in 1937 and became one of the first African American vocalists to headline an all-white band when she joined Artie Shaw’s Orchestra in 1938. A year later, Holiday introduced “Strange Fruit,” the haunting indictment of southern lynching that would become one of her most iconic songs. Her final album, Lady in Satin, was released in 1958. Holiday died on July 17, 1959. A posthumous album, Last Recording, was released following her death._

**Billie Holiday at Sugar Hill: Photographs by Jerry Dantzic** is a vivid, intimate, compelling photographic portrait of Billie Holiday, the consummate jazz and blues singer and one of 20th-century music’s most iconic figures, in April 1957 at a significant moment in her life just two years before her death at the age of 44. The previous year her autobiography *Lady Sings the Blues* had been published, she had performed a sold-out concert at Carnegie Hall, and she had just married in March. Now she was starting a week-long engagement at Sugar Hill, a club in Newark, New Jersey. Freelance photojournalist Jerry Dantzic had an assignment from Decca Records to photograph her and the Sugar Hill gig was the perfect occasion. He also happened to know William Dufty, the co-author of her autobiography, who introduced him into Billie’s private world.
Dantzic’s images offer an unparalleled view of Billie Holiday in private as well as in public, performing and the transitions in between. Though the wear and tear of a life of hardship, racism, drugs and drinking, and abusive men is revealed, we also see her warmth and tenderness, her rich humanity. We catch glimpses of her strolling Broad Street in Newark, encountering fans, with her new husband, Louis McKay; we see her at home with William and Maoly Duffy and their son Bevan, her godchild, and while having a drink or doing her makeup, as well as cuddling her pet Chihuahua. The years and the struggles seem to vanish when she sings. However much she was “hurt and hurting,” in Nat Hentoff’s phrase, she becomes angelic. Dantzic would also photograph her later that year at the 2nd New York Jazz Festival at Randall’s Island.

Completely at ease with Dantzic in this rare, sustained encounter, Billie Holiday shows herself in a variety of moods and expressions, and allows the viewer, as it were, to walk with her part of the way. It is a deeply poignant portrait. Only a handful of the photographs included here have ever been published.

"You give it all away, it streams from you, like rivers rolling to sea: love, music, money, smokes. What you got, everybody wants - and most days you let 'em have it. Sometimes it's as much as you can do to keep a hold of your mink."

SUSTAINABILITY IN MUSEUMS

BY MOAS EDUCATION COORDINATOR, KELSEY HANSEN

Sustainability projects in museums and similar institutions begin with taking a look at the United Nations Sustainable Development Goals (UN SDG). These 17 goals were adopted in 2015 to “provide a shared blueprint for peace and prosperity for people and the planet, now and into the future.” The goals range from industry, innovation, and infrastructure to affordable and clean energy to quality education. Museums, and other organizations, are starting to look critically at how they can incorporate these goals into their daily operations, building plans, and presentations, as well as educating the public to provide for a more sustainable future.

Sustainability initiatives in museums are not one size fits all. Each museum (which can include aquariums, botanical gardens, nature preserves, and other cultural institutions) is unique, and requires different sustainable principles and practices to be applied to the site. Whether the institution is focusing on the social or economic aspects, or both, it is important to understand the benefits not only socially and economically, but also environmentally.

The Museum of Arts & Sciences is taking small steps to move towards a more sustainable future. I recently attended the Sustainability Fellowship program in Phoenix, AZ, supported by the Rob and Melani Walton Sustainability in Science and Technology Museums initiative where I dove into discussions with other fellows and professionals on how those initiatives were implemented. Examples of case studies included museums focusing on installing pollinator gardens and butterfly gardens with corresponding teaching tools, the design of professional development for co-workers and staff to incorporate green tools into everyday operations, and the planning of long-term projects focusing on energy efficiency and water conservation for pre-existing buildings.

We also discussed obstacles that could arise during the implementation of sustainable practices and principles. The term “sustainable” is a very broad term that can lose its value if misunderstood or overutilized; therefore, defining its purpose specific to the institution with an example, and presenting it to the public, staff, and stakeholders is extremely important. Another obstacle discussed was the amount of goals set forth by the UN SDG; since there are 17 SDG goals some professionals can get overwhelmed at choosing one or two goals to focus on. It is really important to start small when designing your sustainability initiatives for an institution, and that was one of the biggest takeaways from the program.

By receiving the Sustainability Fellowship, I will be designing a sustainability project for MOAS. I am very excited to design and implement any project that will benefit the long-term planning of the Museum. Not only will the Museum benefit through sustainable development projects, but it will also provide us with the opportunity to be a leader in the community, when it comes to incorporating the SDG’s into our daily operations, buildings, and educational programs. So check back in about four months to see how the project is coming and feel free to ask any questions regarding sustainability and the SDG’s.

A packet for regular museum visits, but also a packet designed with other fellows and professionals.

NEW YEAR, NEW INITIATIVES

A SOCIAL STORY OF MOAS

By MOAS Education Associate, Nicole Messervy

Through a first-person narrative and photos, guests can learn what to expect when visiting the Museum for the first time. The packet will walk them through the moment they arrive, to the moment they leave. It will explain what galleries to avoid if they are sensitive to loud sounds, what days/times are typically the quietest, what to expect when visiting the Lohman Planetarium for the first time, and more. The Museum of Arts & Sciences continues to work hard towards creating a more accessible experience for our guests with special needs. My hope for this project is for our guests with special needs to always feel welcome and enjoy their visit to the Museum of Arts & Sciences.
Fast forward to 13,000 years ago and what are the theories that explain why the ice age animals went extinct? What was different during the Pleistocene Epoch when giant sloths, giant armadillos, and huge cave bears dominated places like Florida? Most of the animals that perished at the end of the last ice age were called the megafauna or animals over 100 pounds. Huge multi-ton animals like mastodons and mammoths disappeared along with apex predators like saber-toothed tigers and dire wolves. Most of these ice age animals had endured at least 12 previous ice ages and did not go extinct. Why was this one different? Scientists have grappled with this question for over 150 years. Scientists have developed four scientific theories to address this conundrum.

The first theory, championed by Geoscientist Dr. Paul Martin at the University of Arizona, is called the Blitzkrieg or overkill hypothesis. Dr. Martin posits this disappearance of the megafauna was due to a new devastating apex predator that could problem solve, throw objects like spears, and make weapons. Obviously, he is referring to humans. Wherever humans came into new lands, corresponding extinction of large land animals occurred shortly afterward.

In North America, a group of humans called the Clovis people arrived about 12,000 years ago. These prehistoric people received their name after the large spear points they made which were first discovered in Clovis, New Mexico. They used these large blades in conjunction with a unique tool called the atlatl. This tool enabled them to catapult a spear at high velocity and over a long distance to bring down slow-moving mammoths and other megafauna. In a short time span, these animals were hunted to extinction. This created a domino effect as the other carnivores that hunted them fell by the wayside. Eventually, a new equilibrium was established in the ecosystem.

In a short 1,000-year span, the Clovis people spread from Alaska to the tip of South America. For unknown reasons, they disappeared, and scientists theorize they became the major aboriginal tribes of North and South America. The Museum has

The atlatl is a paleo carved wooden tool used to launch a spear at a high velocity to bring down large mammals such as mammoths. (Replica) ca. 10,000 before present.

What is an extinction event? Most people do not realize that paleontologists and scientists have created certain criteria for extinction events. These events are characterized by a sharp change in the abundance of multicellular organisms and a widespread decrease in the Earth’s biodiversity. Most of the diversity and biomass on Earth is microbial and difficult to measure so these events are limited to easily observable biologically complex components of the biosphere.

Scientists have established three criteria for a major extinction event. The first is that the event must be worldwide. Animals must be affected over the entire globe not just regionally. Second, an extinction event must happen very quickly in a short geologic time scale. Finally, one-third of all existing species must disappear. What is remarkable is that after these catastrophic events new life, new species, and new ecosystems emerge to fill the void very quickly.

There have been five major such extinction events referred to as the “Big Five.” The first extinction event goes back 444 million years ago to the Paleozoic era. The second was the Ordovician where 86% of all life on Earth was eliminated. This was followed by the Devonian extinction event 375 million years ago where 75% of life went extinct. The biggest extinction event was the devastating End-Permian extinction event 251 million years ago where 96% of all species disappeared. The fifth, and most famous, extinction event is the catastrophe that wiped out the dinosaurs called the End-Cretaceous event. Over the years it has gained a lot of notoriety and publicity due to what scientists have called “the smoking gun.” A large asteroid hit the Earth 65 million years ago near the Yucatan Peninsula in Mexico. This created a global meltdown of plant life and ecosystems which ended the long 250-million-year reign of the dinosaurs. This began the “Age of Mammals” with many new mammalian life forms filling the major ecosystems and quickly diversifying into many new types.

What Happened?
work. In a case within the Prehistory of Florida Gallery at MOAS sits the skull of a Florida bison. If you look closely, you can observe what appears to be a small rock sticking out from the top of the skull. This is no rock, but a broken piece of the spear point that delivered the deathblow to the animal. The skull was found in the muck of the Aucilla River in North Florida. It is carbon dated at 12,000 years old—the right time for the Clovis people in Florida. This proves that these ancient people were hunting large megafauna.

Other "kill sites" have been found at Silver and Wakulla Springs, and other sites throughout the continent. Even the Daytona Mastodon excavated in 2011 by museum staff has rib bones with what appear to be butcher marks. These bones were sent to experts at the University of Indiana and China but came back as undetermined.

Populations of big animals seemed to radically decrease everywhere when humans first appear in their ecosystem. Around 3,500 years ago in Cuba, a smaller species of giant ground sloth went extinct, and 46,000 years ago, in Australia, large animals like the giant kangaroo became extinct when humans arrived. It is the same story in Europe, Madagascar, and New Guinea. What about Africa? The large animals there seemed to have survived just fine. Scientists who prescribe to the “overkill” theory suggest this may be explained by the fact humans and large animals coevolved and existed together for a long time. The large megafauna animals on the continent avoided the dangers of these bipedal predators. When humans crossed over land bridges to new continents and islands, existing animals had no clue to be wary. Many large animals like elephants and mammoths have slow reproduction rates making it difficult to keep the birth rate higher than the death rate therefore compounding the problem.

The next theory that some scientists believe is that at the end of the last ice age a dramatic climate change wiped out the large megafauna that could not adapt fast enough. Again, the puzzling piece is the previous ice ages seem to have little effect on megafauna. What was so different at the end of the last ice age to wipe out these magnificent beasts?

When the climate changed at the end of the last ice age, warmer temperatures raised sea levels; this especially affected Florida. The coastline was no longer 50 miles further east from Daytona or 150 miles further west from St. Petersburg than it is today. Many scientists believe that the climate changed quickly and the grasses changed as well. Research from the University of Copenhagen suggested that at the end of the last ice age a change in the grasses resulted in their decline. These grasses changed from what was called C-3 to C-4 grasses, which contain more silica and were far less nutritious. Thus, the animals were not getting the right type of food. This environmental change in vegetation led to their downfall.

Another environmental effect at the end of the last ice age was the retreat of the ice sheet. The large ice sheet that blanketed North America and Europe kept the seasons dampened, but as it retreated, it caused sharply defined seasons of winter and summer. This caused the animals to move to new ecological zones and adapt. New plants and terrain caused by sharp seasons in summer and winter created a new balance in the ecosystem. If you could not adapt, you died off.

The next theory is that a hyper disease spread swept through the megafauna. Perhaps, early human aboriginals moving into new lands carried a disease. It has happened many times before where a disease jumps from one species to another. Cases of swine and bird flu are modern examples of this effect. What if humans or the wild dogs that followed them carried a virus in their gut which affected large mammal populations. Unfortunately, there is not much direct evidence to support the claims of the small number of scientists who are working on this theory.
Happy Holidays

From our News-Journal family to yours!
WINTER EXHIBITS

ARTS AND CULTURE OF MICRONESIA THROUGH JANUARY 12, 2020 – FORD GALLERY

An exhibit showcasing many cultural and artistic aspects from Micronesia. Arts and Culture of Micronesia will feature many diverse objects and traditional crafts from the personal collection of Barbara Wavell. A handcrafted outrigger canoe, traditional baskets and bowls, storyboards depicting ancient tales, and numerous objects unique to these tiny islands will be on display from December 6 through January. Image Credit: Carved board from 1937 in Arawa Palau, carved by Baeleys.

FLORIDA WEATHER: FROM THE PKO TO THE PRESENT THROUGH FEBRUARY 1, 2020 – THE SEMINOLE AND THE EVERGLADES GALLERY

The Everglades is a regional term with wetlands that extend from the southern portion of Florida. Water leaving the vast, shallow Lake Okeechobee contributes over 45 million cubic miles and 100 miles long. Humans have habitation in the southern coast of the Florida peninsula dates from 15,000 years ago. The region was dominated by the native Calusa and Tequesta tribes. After European colonisation, both tribes declined. The Seminole nation emerged out of groups of Native Americans, mostly Creek, who had split from the southern Muscogee peoples. Artists from the early 19th century on have found the visual characteristics of the people and the land compelling subjects for artworks. The climatic conditions change frequently giving new dimensions of color, motion, people and the land compelling subjects for artworks. The climatic conditions change frequently giving new dimensions of color, motion, people and the land compelling subjects for artworks. The climatic conditions change frequently giving new dimensions of color, motion, people and the land compelling subjects for artworks. The climatic conditions change frequently giving new dimensions of color, motion, people and the land compelling subjects for artworks.

For more information about the Cici and Hyatt Brown Museum of Art, please visit www.moa.org/
ON GOING EVENTS

Wednesday, Yoga in the Gallery
Wednesday, 5:30-6:30pm
Take a break from your desk and enjoy weekly Yoga in the Gallery at the Cici and Hyatt Brown Museum of Art. For more information and to reserve your spot, contact Gary Libby Curator of Art, Ruth Grim at 386-255-0285. Space is limited and advance registration is required. RSVP by calling the Museum at 386-255-0285.

Saturday, January 25
10:00am-3:00pm
Storytime at MOAS
Join us as we celebrate the world of art through storytime. This month’s featured story is “The Very Hungry Caterpillar.” The storytime is free and recommended for ages 5-10. Additional information is available by calling 386-255-0285.

MARCH

Saturday, March 7
2:00pm-3:00pm
Film Class: Video Production – Filming Your First Short Film
Join award-winning videographer Gary Lester, for an introductory hands-on workshop. Learn basic production design and planning by filming a video short. Lunch at Sugar Mill Restaurant is not included. $15.00 for members, $20.00 for future members.

FREE EVENTS

Sunday, February 10
10:00am-5:00pm
MOAS Member Trip to De Leon Springs and Blue Springs State Park
Join us for a trip to De Leon Springs and Blue Springs State Park to tour the famous springs in our backyard. Meet at MOAS Education Coordinator, Kelsey Hansen. After exploring the natural beauty of Florida, you will have the opportunity to pitch in pancaica lunch at the Sugar Mill Restaurant which is located in a 100-year-old replica of the original building, the Orchid House. After the meal, we will be exploring Blue Springs State Park, which is a famous spot for bringing during the winter. You must be a MOAS member to attend. Kindly RSVP by calling the Museum at 386-255-0285. Please meet at the Cici and Hyatt Brown Museum at 9:00am. No earlier than 7:30am. $95.00 for members. Price includes transportation and entrance into the parks. Lunch at Sugar Mill Restaurant is not included.

Saturday, February 22
5:30pm-9:00pm
International Day of Women and Girls in Science
Bring the whole family for a day of activities celebrating the achievements of women and girls in Science. This large event will have a full array of expert female scientific speakers and presenters from various disciplines such as astronomy, biology, environmental science, and more! Join us at 386-255-0285 to purchase your admission. No reservations are required. Free for members and with paid museum admission.

Friday, February 14
5:30pm-9:00pm
Movie Night in the Lohman Planetarium: Love and the Cosmos
Enjoy a Valentine’s themed movie night at the Lohman Planetarium for an evening celebrating Love and the Cosmos. This event is free for MOAS members. Use your membership card to purchase your admission. No reservations are required. Free for members and with paid museum admission.

Saturday, February 22
5:30pm-9:00pm
Love and the Cosmos in the Lohman Planetarium
Bring the whole family for a day of activities celebrating the achievements of women and girls in Science. This large event will have a full array of expert female scientific speakers and presenters from various disciplines such as astronomy, biology, environmental science, and more! Join us at 386-255-0285 to purchase your admission. No reservations are required. Free for members and with paid museum admission.

Friday, February 21
8:00pm-10:00pm
Cocktails & Creations: Hammer & Stain
Join us for a night of creativity and fun at the Sugar Mill Restaurant! Learn how to turn unfinished wood into wall worthy pieces. Each guest will receive a complimentary 12x12 piece that can be unfinished or fully stained. The event is limited and advanced registration is required. RSVP by calling the Museum at 386-255-0285.

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Weaving is an ancient tradition, yet before the proliferation of weaving, came agriculture and animal husbandry. Once sheep were domesticated, an exposition of textiles followed. Traced back to its earliest Neolithic days, spindle whorls, the small clay objects used for spinning, have been found in archeological digs throughout the Levant.

MOAS Gallery Specialist Tours

Tour with our Gallery Specialists from 3:00 p.m. to 4:00 p.m. on the second Tuesday and fourth Thursday of every month as they provide in-depth information on the individual galleries around the Museum of Arts & Sciences and the Cici and Hyatt Brown Museum of Art. These tours are open to the public and are included with paid museum admission unless otherwise noted.

**Tuesday, January 14**

**Gallery Specialist: Barbara Wavel**

Ford Gallery, Arts & Culture of Micronesia Exhibit

**Thursday, January 23**

**Gallery Specialist: Marion Whelton**

Gilgess Gallery - African Art Exhibit

**Tuesday, February 11**

**Gallery Specialist: Kelsey Hansen**

Tuscanella Press Gallery

**Thursday, February 20**

**Gallery Specialist: Juan Junco**

Cuban Gallery

**Tuesday, March 10**

**Gallery Specialist: Zach Zacharias**

Ford Gallery, Arts & Culture of Micronesia Exhibit

**Thursday, March 19**

**Gallery Specialist: Anne Gayla**

Root Family Museum

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**The concession stand. Please arrive at least 15 minutes before the event start time. Advanced purchase of tickets is recommended by calling the Museum at 386-253-0285. $8.00 for members, $10.00 for future members.**

**Saturday, March 14**

1:00pm-1:45pm

**Pi Day Celebration**

Join us in the Lohman Planetarium for a Pi Day Celebration! The mathematical constant pi (π) is roughly 3.14, or written 3.14159265... in Pi Day. We will figure out what this number is, why it is so important in mathematics and science, and how it is part of our everyday lives. This is also a great excuse to have a pie piece of pie! Space is limited and entry is first-come, first served.

Free for members or included with paid museum admission.

**Saturday, March 14**

7:00pm-9:45pm

**Second Saturday Laser Rock Concert**

7:00pm Laser VIX

8:00pm Pink Floyd – The Dark Side of the Moon

9:00pm Laser Queen

$5.00 for one show, $7.00 for two shows, and $9.00 for three shows. Tickets may be purchased in advance by calling 386-253-0285.

**Tuesday, March 17**

6:00pm-8:00pm

St. Patrick's Day Social

Wear your green and join us at the Museum of Arts & Sciences for a fun St. Patrick’s Day event! Join MOAS Senior Curator of Education and History, Zach Zacharias for a unique look at the history, culture, and romantic vistas make the art collection within the Cici and Hyatt Brown Museum of Art a true jewel for learning about our state. Join Senior Curator of Education and History, Zach Zacharias at the Cici and Hyatt Brown Museum of Art for lunch and a unique look at the history, culture, and painting of our state through the vast collection of paintings. Call the Museum at 386-253-0285 to RSVP and to place your lunch order. Space is limited and advanced RSVP and paid lunch are required. Lecture is free plus the price of paid lunch for members. Lecture is $5.00 plus the price of paid lunch for future members.

**Wednesday, March 25**

12:00pm-1:30pm

**Lunch and Learn: Curator’s Choice**

Amazing sunsets, people, ruins, and romantic vistas make the art collection within the Cici and Hyatt Brown Museum of Art a true jewel for learning about our state. Join Senior Curator of Education and History, Zach Zacharias at the Cici and Hyatt Brown Museum of Art for lunch and a unique look at the history, culture, and natural history of our state through the vast collection of paintings. Call the Museum at 386-253-0285 to RSVP and to place your lunch order. Space is limited and advanced RSVP and paid lunch are required.

**Friday, March 27**

2:00pm-3:00pm

**Porch Talk at Gamble Place: Florida During the Progressive Era 1890-1920**

The Progressive Era was a reaction and reform movement to the excess of the Gilded Age. It was a time of great change and much-needed reforms. At the core of these changes were issues dealing with women’s movements, conservation, temperance, and foreign policy, all of which played out across the nation, including Florida. Join Senior Curator of Education and History, Zach Zacharias at Gamble Place in Fort Pierce for a unique presentation on this rarely talked about time period in Florida History. Space is limited and advanced registration is required. RSVP by calling the Museum at 386-253-0285. Free for members or $5.00 for future members.

**Monday, March 30**

5:00pm-7:00pm

**MOAS After Hours**

Join us at the Museum of Arts & Sciences for exclusive after-hours access to the museum’s galleries, happy hour drink specials, and a special tour of the World of Frida exhibit in the Ford Gallery with Chief Curator/Gay. R. Libby Curator of Art, Ruth Grimm.

For free members, $5.00 for future members.

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**Deb Heifetz, President**

American Craft Council

**March 20-22, 2020**

FAAP/FAAP 2020

**WINTER PROGRAMS**

**30th Annual MOAS Juried Art Show**

**Saturday, January 25**

5:00pm-7:00pm

**Awards Reception**

First, Second, and Third Place entries will be announced at the Awards Reception.

**Tuesday, January 28**

5:00pm-7:00pm

**Art Appreciation Lecture**

Think you knew everything about the Ponce Inlet Lighthouse? John Mann has published over thirty articles on the history of lighthouses in various lighthouse publications. Ponce Inlet Lighthouse is both a National Historic Landmark and the last built and best designed and engineered of those towering coast sentinels. Join Ponce Inlet Lighthouse Head Docent, John Mann for a unique perspective on the history of our great lighthouse.

**Florida Ghost Towns**

Join MOAS Senior Curator of Education and History, Zach Zacharias for a unique look at the many Florida ghost towns that were once flourishing communities that crisscrossed the entire state. For various reasons, many of these towns fell on economic hard times and were completely abandoned. Learn about the lost city of El Dora and St. Francis in Volusia County, among others like Yamato, Liverpool, Neuanwille, Acorn, and other towns that are now extinct in Florida.

**National History of Lighthouses**

On March 20, Ponce Inlet Lighthouse will host an exclusive after-hours event in celebration of National Lighthouse Day. The expedition will give visitors unparalleled access to the property, featuring private tours of areas that are normally not open to the public. Join MOAS Senior Curator of Education and History, Zach Zacharias for a unique look at the history, culture, and romantic vistas of the lighthouse. Ponce Inlet Lighthouse is both a National Historic Landmark and the last built and best designed and engineered of those towering coast sentinels. Join Ponce Inlet Lighthouse Head Docent, John Mann for a unique perspective on the history of our great lighthouse.

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A Warm Farewell

Reflecting on the Guild’s Fall Fundraising Events

As my tenure as President of the Guild of the Museum of Arts & Sciences concludes, I have been reflecting on the brainstorming, collective decision-making, countless hours of planning and implementation of the always-successful events the Guild members have staged during these past two years. (I hasten to add that their accomplishments are part of the decades of service provided by legions of volunteers over the years on whose shoulders we stand.) What an amazing group of people we have in this community who give of their time, skills, devotion, and finances to support and enhance our museum! I sincerely hope the members of the Museum and the general community appreciate what these volunteers do. Of course, the Guild donates tens of thousands of dollars each year to help underwrite the significant expense of operating our wonderful MOAS, but there is so much more. Each Guild volunteer is an ambassador for the Museum in our community. Members are fundraisers, as well as fundraisers. The Guild unquestionably adds to the quality profile of the Museum. The Halifax Art Festival is ranked 18th in the top 100 fine art festivals in the United States. That is a REMARKABLE accomplishment in and of itself. BUT our festival is completely volunteer operated. That makes it very unique and even more praiseworthy.

The annual Children’s Museum Golf Classic is another event that not only generates income for our museum but increases community awareness and allegiance. Area golfers enjoy this well-executed event including playing a great course, prizes, a silent auction, refreshments, lunch, and fellowship. They leave the event with a new or renewed awareness of our Museum and our Guild. Our annual fashion show, garden party, casino night, and artful interludes are always sellouts. Each year we glean new members from these superb events.

Our monthly meetings include excellent enlightening and entertaining programs, refreshments, volunteer signup opportunities, and social time. We expand our minds and member base through these diverse programs. As always, we invite the general public to join us at our program meetings and become a member of the Guild.

As is true in every organization, there is always a relatively small core group of members who do the lion’s share of the work to fulfill the mission of the entity. The Guild is no different; an always-dependable group of approximately 20 members are those who deserve the praise for making our many activities happen. They know who they are and frankly so does everyone else! They are ALWAYS at the forefront working so hard. I am sure each of them would readily tell you that they treasure what they do for the Guild and Museum, that they value the friendships they have garnered in the process, and that they are having fun all the while.

The Guild doesn’t exist in a vacuum. The leadership and staff of the Museum are a wonderful support to us as we plan our work and work our plan. Their support, accessibility, and assistance are invaluable to us. I extend warm thanks to each of them. I cannot think of any major Guild event that is not supported in some significant way by individual members of the MOAS Board of Trustees. Their assistance, endorsement, and participation mean so much to the Guild volunteers. It has been my honor to represent the Guild on this board for the past two years and to get to know better these fine people. I take this final opportunity as President of the Guild to thank and salute the extraordinary volunteers who make this Guild the invaluable support to the Museum that it is. It has been my honor to serve as President. To the incoming President, Diane Rogers, and her board I offer sincere congratulations and best wishes for a successful two years. Enjoy your two years. I know I did mine!
The Lowell and Nancy Lohman Family Planetarium

Since we first began teaching the wonders of the universe in the original facility in 1972, the planetarium here at MOAS has never had an official name. That all changed this past fall when we excitedly announced our new name: the Lowell and Nancy Lohman Family Planetarium.

This was only made possible by the generous donation from Lowell and Nancy Lohman, who gifted $2.5 million dollars to our Museum endowment. As very successful Florida business owners and influential philanthropists in Volusia County, Lowell and Nancy’s passion for astronomy and planetarium education fueled their ambition to contribute to the Museum in such an astronomical way.

To gain an understanding for their love of all-things-space, and their desire to cultivate education, we sat down with Nancy and Lowell for a brief interview.

Because of your generous support to MOAS, what does it mean to you both that this facility is now called the Lowell and Nancy Lohman Family Planetarium?

**Nancy:** For me, I think that in the planetarium, that students particularly, but people of all ages, who get the chance to come will be inspired to learn, and I think they’ll be inspired to learn in a really fun way. The more education is fun and the more it’s rewarding for us.

**Lowell:** When he found out that Nancy and I had gotten involved in everything - he was almost in tears. He got so excited, and Nancy and I didn’t know at the time, he said, “Lowell, we send students to the planetarium every week and the stories we hear from the teachers and everybody are phenomenal.” The excitement that he had that we were involved was very rewarding for us.

We hear there is a personal story to tell about your love for astronomy.

**Nancy:** One of the things that I’ve always loved about Lowell is how much he values education, and one of his favorite quotes is, “Life’s adventures begin with education,” and I realized that he was a consummate learner many years ago. One of the true testimonies of that was when he wanted to take an astronomy class because he never had the chance when he was at Florida State. So, I joined him in taking that class, and the funniest thing to me is he wanted to have supplemental reading to go along with his textbooks. That told me that, not only is he a consummate learner, but he really attacks the things that he really finds interesting.

**Lowell:** I think the first thing that got me interested in it pretty much was I majored in biology and chemistry at Florida State. After I graduated, I had a chance to take astronomy one time there, and I didn’t take it - I’m sure I took Badminton or something in place of it - so for years-and-years I felt like I missed something. Then it was in the local Daytona Beach News-Journal one day that there was a one night a week - on Thursday nights - a 3-hour class on astronomy. So, I told Nancy, you know, when I read it in the paper, “Nancy it’s just something I feel like I missed in life and I’m thinking about taking astronomy.” Well, the next day she says to me she’ll take it also. It ended up being both of us, but it was just incredibly exciting, and I found out a lot about myself in the next month or two. I read everything that moved - they even knew me at Barnes & Noble on a first-name basis. We read the textbooks and everything, and it was crazy. I still don’t believe I did it. And I would go to Barnes & Noble and check out other books that had similar things and read the other stuff on astronomy. So, it was a good learning experience, and to have your wife there - you know it wasn’t the number one thing she wanted to do was to take astronomy, but I think we both laugh about it now. But yes, I’ve always had an interest in astronomy.

How have you both kept up this shared passion for astronomy over the years? Any favorite television shows or observatories you visited over the years? Any favorite television shows or observatories you visited over the years?

**Nancy:** We have traveled to a lot of different observatories - Kitt Peak, Keck - but one of the best experiences I’ve ever had regarding the night sky was seeing the Northern Lights. Gosh, if you want to be inspired by the sky, that’s the way to do it. I mean the Northern Lights were amazing, and just to see that movement, and to know that something out there is happening, and to see how colorful it was - it was fantastic. I
actually photographed it and captured amazing photos. So, it’s one thing to see the sky and to appreciate all the stars and appreciate what’s happening up there, but then to let your camera just sit for a few seconds - 8, 10, 15 seconds - and see what’s really there in the sky - that’s phenomenal. That’s what you see with the Northern Lights, I mean you see that there’s so much out there that you had no idea what’s happening. It’s pretty exciting.

Lowell: I think the Keck telescope at that time was the largest in the world, and Nancy and I flew all the way to Hawaii to visit it at the top of mountain Mauna Kea at the time. A couple of years after that we went to Kitt Peak [in southern California] and it has even more - something like 16 separate telescopes. And obviously, the key to telescopes is to get up above the atmosphere so you get a clearer picture of what’s happening out there. In Flagstaff, Arizona, there is the Lowell Observatory, so Nancy and I obviously had to go there. We actually got to see the Orion Nebula, which is just fascinating, and we had a special deal that they had set up for us where we got to sit at the telescope for a long period of time and relax and concentrate on it. The funny thing was just before we left, Nancy went to the observatory gift shop and bought every t-shirt they had so everyone in our family - and a lot of our friends - had t-shirts that said Lowell Observatory. There are two to three others that we went to over a period of time, and we were searching for other observatories to visit because it is so interesting. You can tell that this has been a great experience for us both. To have a facility here in Daytona is just phenomenal, now that Embry Riddle has a large telescope that I think is one of the largest in the southeast.

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Do you each have a favorite celestial object, or planet?

Nancy: Well I have to say Vega [star], because I can find it! But I will tell you, this will sound sappy, but my favorite is the North Star, and that’s Lowell. He’s my North star.

Lowell: Get out of here! (laughter)

Is there any aspect of the universe you’d like to know more about?

Lowell: How it all got started. There’s a question mark out there - we know just enough I think now to be dangerous - as time goes by we find out more and more. I think just trying to visualize the Big Bang - how it got started, how all these stars got started - to me that’s the fascinating thing as time goes by. They found that the universe is expanding. How did it happen? What’s happening now because of that? And as you study it, it does make sense, but it’s hard for the brain to comprehend it all.

Looking forward, what kind of impact do you hope the Lowell and Nancy Lohman Family Planetarium will have on future generations?

Nancy: I hope the planetarium encourages education. I hope it encourages people of all ages to want to continue to learn, to continue to wonder, to continue to explore. I hope that it is a part of why people love Daytona Beach.

Lowell: If you’ve not been here you’re missing something. I think the new facility - you know it had been redone like five or six years ago and when we walked in the doors, it was pretty impressive. And I think if you haven’t been here, that you’re missing something - it’s such a great facility. To look up at the sky and see all the constellations and everything that you see while you’re here and learn about the planetarium and know it’s part of Daytona Beach too. You know, there are planetariums in most of the major cities, but being involved in our city here - we just encourage anybody that’s not been here to get your butt out here because it’s pretty impressive. That’s my advice to people.