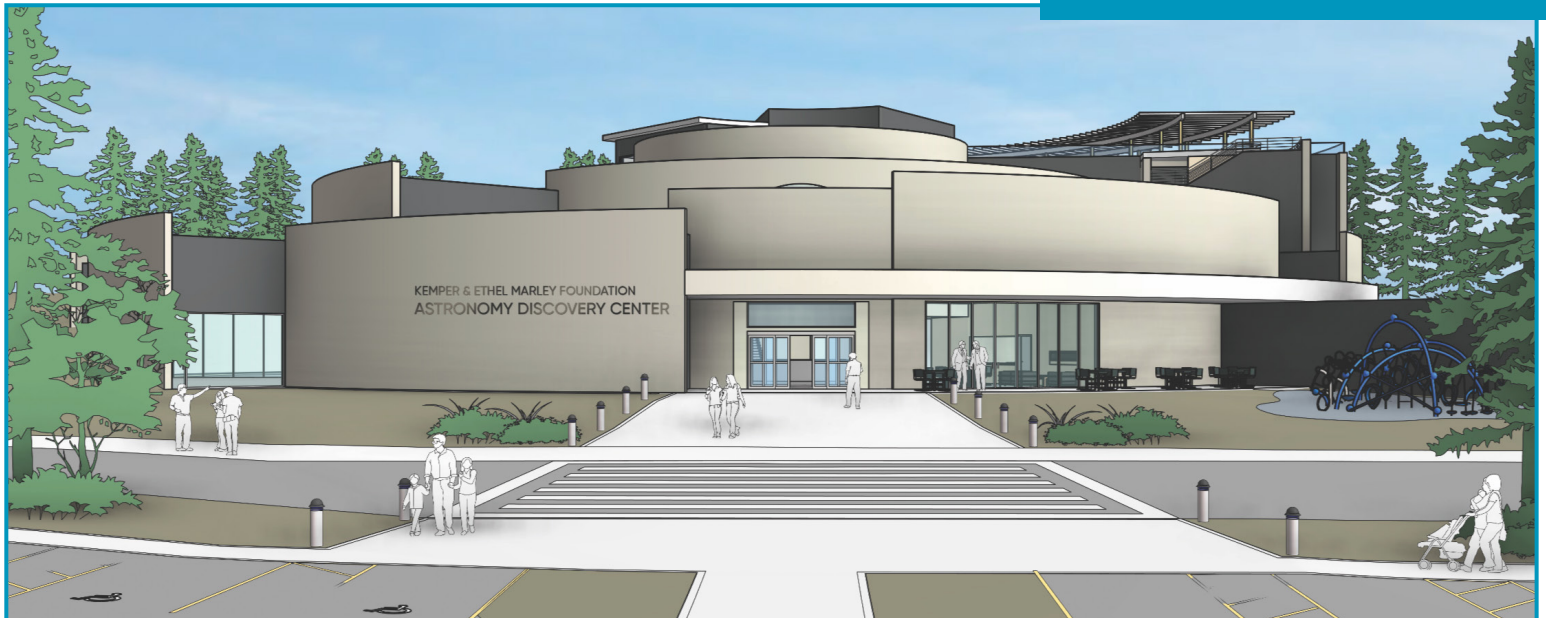


THE LOWELL OBSERVER

ISSUE 121 | 2021 No. 1

THE QUARTERLY NEWSLETTER OF LOWELL OBSERVATORY

SPECIAL ASTRONOMY
DISCOVERY CENTER ISSUE



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The Kemper and Ethel Marley Foundation Astronomy Discovery Center

By Samantha Gorney, Deputy Director for Education

Lowell Observatory strives to bring the wonders of the Universe within everyone's reach. We do a great job of connecting guests with the Universe's observable objects via our world-class suite of public telescopes. But we lack some of the resources necessary to share the many "unobservable" things we know about and how we came to know about them. The Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC) at Lowell Observatory will allow visitors to experience many more of the Universe's wonders by supplying the tools needed to fill these gaps.

We want all visitors to feel welcome, no matter their background. To this end, the ADC will include notes of humor and human stories in science to reassure guests they have come to a fun place—home to friendly, relatable people. Additionally, we will ensure ADC content and programs speak to visitors' interests and have the layers required to meet them where they are. We will help guests find structure and meaning in the relatively complex content featured in the exhibit galleries by weaving topics together through a captivating story about our atoms' incredible journey through the Universe.

Experiences within the ADC's exhibit halls will allow visitors to explore what astronomy tells us about where we come from, or more specifically, where the atoms we are made of come from. The ADC will eventually be home to three exhibit galleries, but only one of them will be present when the facility opens. Exhibits in the first gallery (Astronomy Gallery I) will focus on the most recent leg of our atoms' journey through the Universe. An adventure that begins in a cold cloud of gas and dust and culminates with the formation of life. This tale will stitch together three primary topics, and each will have a distinct area within the gallery. In one section, visitors will learn about the planets and small bodies in our solar system and how we have come to know them and continue to explore them through planetary science. Within another area, they will be introduced to planets orbiting distant stars and the tools and methods that allow us to detect and characterize them. In a third section, guests will have the opportunity to learn about life and the search for life beyond Earth.

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DIRECTOR'S VIEW

By Jeffrey Hall

We sometimes talk about the mission of Lowell Observatory as having two parts, or “dual pillars,” but I’ve become increasingly of the opinion that this misrepresents our true mission, which is to understand the universe and communicate that understanding to others.

We do that in two contexts. Our astronomers, postdocs, research scientists, and students conduct research and present the results of their investigations to their professional peers in all the usual ways: papers, posters, invited and contributed talks, conference proceedings, and review articles. This commitment to research in astronomy drove the enormous institutional undertaking that occupied us from the late 1990s

through 2014: construction and commissioning of the 4.3-meter Lowell Discovery Telescope.

But we also communicate our discoveries, as well as general information about astronomy, to the public. This commitment goes back to Percival Lowell himself, and it is integral to what we do, equal in importance to our research activities. This is why you are holding this issue of *The Lowell Observer*. The Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC) will raise our public outreach capabilities to the highest level—a level worthy of an institution that owns and operates a 4-meter-class telescope. The ADC will allow us to inspire minds young and old about science and astronomy at a level far surpassing what we can do in the 26-year-old Steele Visitor Center. It will let us accommodate the demand for our programs, which prior to Covid had far outstripped our capacity. And it will provide greatly increased annual earned income that we will turn back into support of our research programs.

Enjoy this issue, and we hope to see you in a few years in our new facility! 📍



TRUSTEE'S VIEW

By W. Lowell Putnam

To set forth science in a popular, that is, in a generally understandable, form is as obligatory as to present it in a more technical manner...Especially vital is that the exposition should be done at first hand; for to describe what a man has himself discovered comes as near as possible to making a reader the co-discoverer of it.

—Percival Lowell, 1906.

To Percival Lowell it was self-evident that providing every person the excitement of discovery was as much a part of “doing” science as the actual research itself. This blend of discovery and engagement makes Lowell Observatory unique: we are neither solely a pure research institution nor solely a science center, we are both. In the past 25 years, the increasing popularity of our

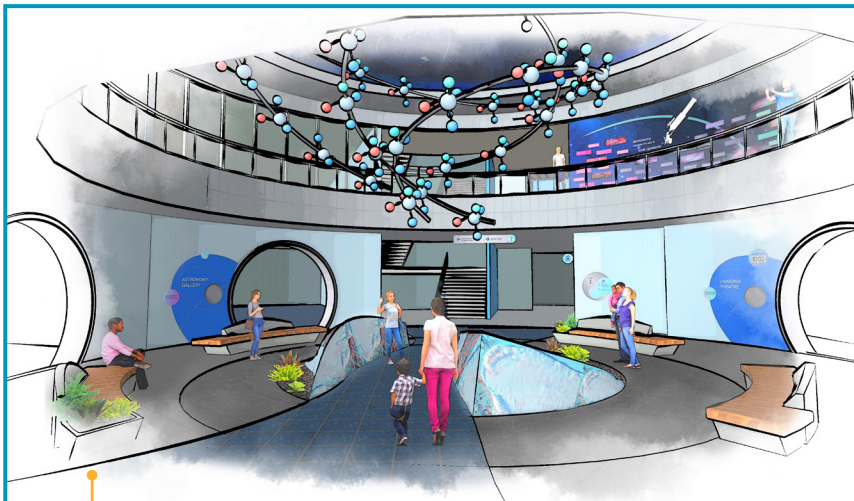
public program has shown that combination is something people enjoy and value.

Lowell Observatory is also uniquely qualified to tell the story of the universe, and understanding our place in it. From our founder forward, the research and discoveries done at Lowell have contributed significantly to our knowledge of our solar system and the evolution of the Universe.

The Kemper and Ethel Marley Foundation Astronomy Discovery Center will serve as both the gateway for visitors to our entire Mars Hill campus and as the core facility to help those visitors become “co-discoverers.” We will keep doing great research and sharing it with all our guests. 📍

COVID-19 STATUS

As of February 2021, Lowell Observatory is in Phase 1B of reopening, offering Premium Access to small groups with reservations. For updates see lowell.edu/welcomeback or follow us on social media.



Origns Gallery—Heart of the Astronomy Discovery Center. From the Big Bang to life today—what a journey!

Origns Gallery

By Bruce Kosaveach, Philanthropy Manager

All visitors that come to Lowell Observatory will go through the Origns Gallery. It will be the first impression for all of our guests and the heart of the Astronomy Discovery Center. All the amenities in the ADC will be connected via the Origns Gallery, and it will make an emotional connection with visitors through its symbolic importance.

The Origns Gallery will graphically convey the journey of our universe from the Big Bang, through suspended atoms and particles, organizing into stars, planets and landforms, and eventually into life. Visitors will be

immersed in that journey with a stunning sculpture suspended from the ceiling representing the journey of atoms that make up everything we know starting fourteen billion years ago all the way to present day landforms and life on Earth—a one-of-a-kind experience!

The Origns Gallery is the first of many memorable experiences that our guests will enjoy.



The ADC planning and design core team during a virtual project meeting. Left-to-right, top-to-bottom are Ian McLennan, Dave Sawyer, Marc Daniels, Tim Whiteside, Juan Tanus, Steve Bernard, Bill Peters, and Samantha Gorney.

The ADC Planning & Design Team

By Dave Sawyer, Technical Project Manager

Building an astronomy discovery center that is awe inspiring and unique in the world requires a diverse, skilled and passionate team. Our team was organized to accomplish the ambitious task of creating the Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC) to meet a very diverse set of attributes. The ADC is to be an aspirational structure that makes an impressive statement to our arriving visitors, while honoring the historical past of the observatory and maintaining the campus park-like setting. The ADC will exude an inviting and joyful ambiance inside and out, while making the statement that science happens here at Lowell in the past, present, and future. The ADC will set an example of environmental awareness,

through dark sky preservation and energy efficiency, and exceed accessibility standards to create an exceptional experience for all.

The ADC design team, formed to achieve this lofty goal, is led by Lowell Observatory staff members Samantha Gorney, Deputy Director for Education, and David Sawyer, Technical Project Manager. Samantha's extensive experience in public education and science serves her well in setting the overall direction and goals of the ADC, while Dave's background in engineering and astronomy and 27 years of technical project experience provide the fundamentals needed to keep the design team moving and on-track.

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Artist rendering of trellis area on terrace.

Richard F. Caris Skylight Terrace

By Lisa Actor,
Deputy Director for Development

The Richard F. Caris Skylight Terrace, on the roof of the ADC, will provide an excellent location for viewing the beautiful landscape surrounding Flagstaff. Horizon markers will direct guests' attention to features close by, such as Mt. Elden and the San Francisco Peaks, and others farther away like the Petrified Forest. Shaded tables and chairs will create an inviting spot to enjoy a snack or host an event under the stars.



The proposed café design will seat approximately 30 with an open patio for outdoor dining. The name and vendor is TBD.

ADC Café

By Sherry Shaffer, Philanthropy Manager

Patrick, Palmer, and Erin Nackard, valued observatory family for 30 years, will sponsor the café in the ADC. While Lowell's Starry Skies Shop currently carries snacks, drinks, and sandwiches, it's not the experience that visitors have come to expect from science centers and museums. The café for the ADC is designed to be part of the overall Lowell experience. More than food, the café will provide a place where visitors can relax, plan their next move, reflect on what they've seen, and even learn a little.

**STAFF
HIGHLIGHT**



Samantha Gorney

By Madison Mooney,
Content Marketing Specialist

As Lowell Observatory’s Deputy Director for Education, Samantha Gorney has spearheaded the interpretive development plans for the Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC). The concept for this new facility to be built on Mars Hill was first conceived in 2015, when the New Horizons flyby of Pluto sparked a dramatic increase in visitation to the observatory. This new influx of visitors was far more than the observatory’s current visitor center and telescope facilities could handle. Samantha recalls watching cars circle the

Samantha Gorney began working at Lowell Observatory in 2009, as an educator. She took on the position of Outreach Manager in 2013 and Deputy Director for Education in 2017.

parking lot before turning around to head back down Mars Hill, deterred by the lack of parking and long lines. This loss of potential visitors, she says, was the catalyst for developing plans for the ADC. Lowell needed to expand—the only question was how to go about it.

Samantha met with consultants, community leaders, and representatives from other Flagstaff organizations in order to assess what sort of facility would most effectively meet the community’s needs. The ideas that would crystallize into a clear vision of the ADC were developed directly through these meetings, and vetted by participants from both inside and outside of Lowell. Such conversations would also lead to the development of the Giovale Open Deck Observatory (GODO), a state-of-the-art observation deck that was opened to the public in October of 2019.

For Samantha, the ADC is a dream come true. Since her first visit to Mars Hill at age four, she dreamed of becoming a part of Lowell and its operations. She hopes that the ADC, particularly its hands-on children’s gallery and dark sky planetarium, will inspire a new generation of astronomers, scientists, and passionate educators like her. 🌌



The ADC entrance artwork pokes fun at Lowell Observatory’s early Martian history.

Fanciful Entry Artwork

By Lisa Actor,
Deputy Director for Development

Lowell Observatory has a sense of humor. A sculpture inspired by Percival Lowell’s fascination with Mars will communicate this to visitors. Multiple aliens have visited Mars—rovers sent from Earth to search for signs of life. The ADC entrance sculpture will depict playful Martians investigating an earthling rover. The Martians have a distinctly microbial appearance, a nod to the form of life we’re most likely to find on the red planet.



Artist rendering of the Great Planetary Hall.

Sponsor a Planet in the Great Planetary Hall

By Lisa Actor, Deputy Director for Development

Do you have a favorite planet? Now’s your chance to show it. These stunning photos of our solar system’s nine planets (yes, nine!) will create a lot of buzz in the ADC’s Great Planetary Hall. Each planetary close-up, taken by past NASA missions, will be seven feet by four feet. The images will focus attention on details of the planets’ volcanoes, rings, atmosphere, or icy mountains. A description of the planetary image will complement each photograph. Let us know which planet you wish to sponsor!

From the Steele Visitor Center to the Steele Learning Center

By Mattie Harrington, Executive Assistant

In 1994, the Steele Foundation provided funding to help Lowell Observatory build a new visitor center and the Steele Visitor Center (SVC) opened soon after. Since its construction, visitation at the observatory has exceeded its original capacity, giving the impetus to create the ADC. Upon completion, the SVC will be repurposed to a new learning center with classrooms, a lecture hall, conference room, and other amenities. The Steele Foundation has again given to help this endeavor and it will retain the Steele name—the Steele Learning Center.



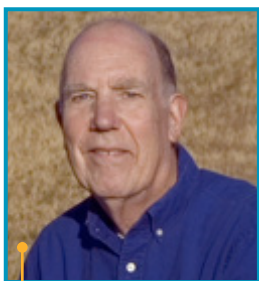
Funding the Dream: Turning Vision into Reality

By Stephen Riggs, Development Manager & Lisa Actor, Deputy Director for Development

The mission of Lowell Observatory is to pursue astronomical discoveries and educate the public about them. In 2014, the observatory completed its most ambitious capital project, the 4.3-meter Lowell Discovery Telescope (LDT) designed to further the discovery mission, and it is achieving that mission brilliantly. To further our mission of education, we have embarked on our second most ambitious project, the construction of the \$37.5 million Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC).

“We are very glad to be part of this amazing project,” said Nancy Ball, a trustee of the Kemper and Ethel Marley Foundation. “This project will inspire and educate people of all ages, for generations to come, on the beauty and wonder of astronomy.”

The completion last year of the spectacular Giovale Open Deck Observatory (GODO) launched our education upgrade. The GODO was conceived, funded, and built in two and a half years, giving us the confidence to begin requesting gifts for the ADC, a project ten times the scope and cost of the GODO. Like the LDT, the new discovery center will profoundly change the observatory, giving us the means to educate the public about our connection to the cosmos like no other science center in the world. The target date for opening this exciting new facility is fall 2023.



Longtime Lowell Observatory supporter Bob Ayers.

Like the GODO, the ADC will be funded entirely by private sources: individuals, foundations, and corporations. The Richard F. Caris Trust has stepped up in support of the rooftop Dark Sky Planetarium and Skylight Terrace. Mr. Caris was an engineer, inventor, and entrepreneur. He wanted to pass on his passion for science and mathematics by supporting nonprofit education organizations and projects with funds for STEM programs. The family of Mr. Caris is excited to be a part of the new Astronomy Discovery Center.

Longtime Lowell Advisory Board member Bob Ayers was another early supporter of the ADC. “I hope the Astronomy Discovery Center becomes an addition to Mars Hill that enables generations of youngsters (and adults!) to appreciate astronomy and science,” said Bob. His gift helped to underwrite the hands-on exhibits for children in the Curiosity Zone. Bob passed away last fall. His gift will inspire thousands of children in his memory over many decades.

By the time we open the new discovery center, hundreds of donors will have contributed to this unique, state-of-the-art facility that will awe visitors with a window to the universe and its mysteries.

To date \$28.5 million has been committed for the Astronomy Discovery Center. That leaves \$14.5 million still to raise to reach the \$37.5 million construction and outfitting goal plus \$5

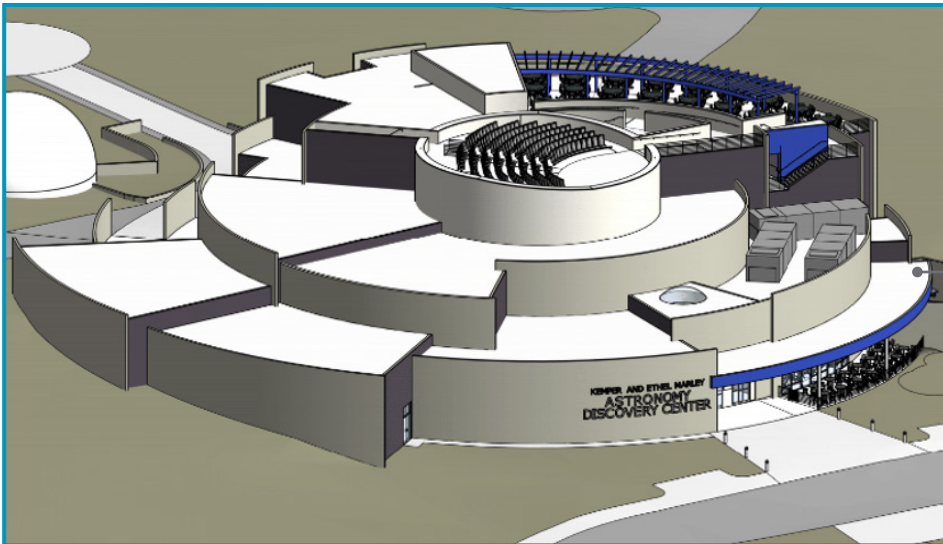
million more for the ADC endowment. A \$5 million endowment will provide annual support of \$200,000 for programming, exhibit maintenance, and periodic technology upgrades.

As part of the fundraising effort, many opportunities to name exhibits or spaces within the Center have been identified for gifts of \$2,000 up to \$7 million. Many of these have been claimed already, but many more are still available. 📧

Go to lowell.edu/adc or call Stephen Riggs at (928) 255-0186 if you'd like to learn about sponsorship opportunities.

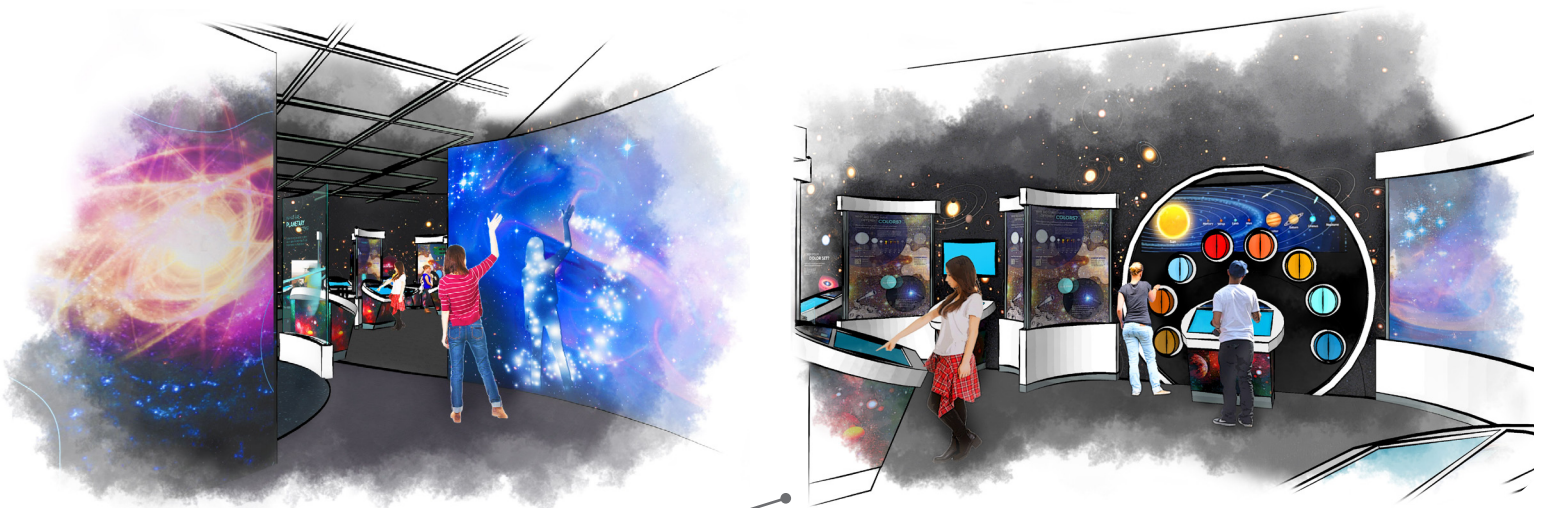
Artist Renderings

Unless noted otherwise, artist renderings in this issue have been created by Kei Space Design Ltd.



Aerial view of the Kemper and Ethel Marley Foundation Astronomy Discovery Center

Credit: Johnson Walzer Associates

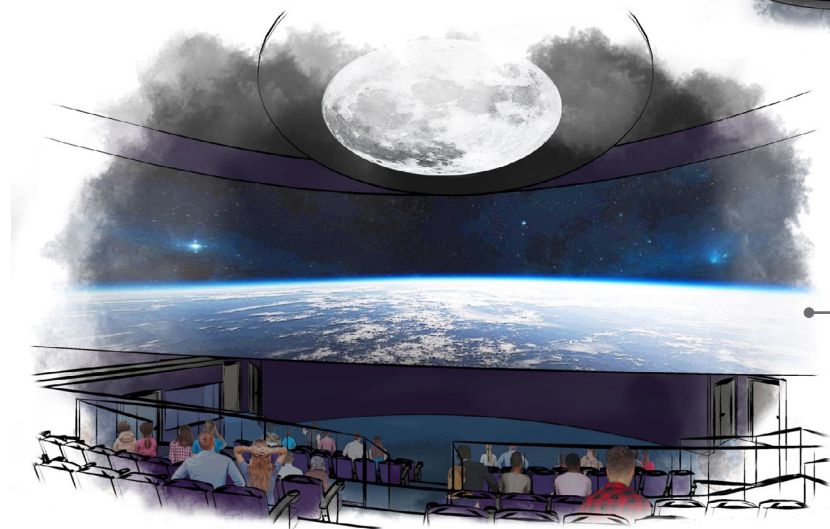


Astronomy Gallery I





Curiosity Zone



Universe Theater

Richard F. Caris
Dark Sky Planetarium





Otto and Gallina Franz have been part of the Lowell family for more than six decades.


Otto & Gallina Franz and the Cosmic Classroom

By Mattie Harrington, Executive Assistant

Lowell Emeritus Astronomer Dr. Otto Franz and his wife Gallina recently made a gift to create the Otto and Gallina Franz Cosmic Classroom in the Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC) to reflect Otto's love of astronomy and the couple's desire to inspire and educate others about the wonders of the universe.

The classroom will be a state-of-the-art learning space for customized programs designed for use in teaching about the cosmos, and it is anticipated that the Cosmic Classroom will receive heavy use from visitors to the observatory campus and the new ADC. The classroom will be used for lectures and classes for more in-depth studies of the solar system and beyond, enhancing the experience and expanding the knowledge of visitors to the ADC.

Dr. Franz completed his doctorate from the University of Vienna in 1955 and joined Lowell Observatory ten years later. He was one of the first astronomers to use the Hubble Space Telescope (HST) for his research, investigating low-mass binary stars. He was a member of the Astronomy Instrument Definition Team at the time they submitted their proposal to HST. His primary focus of study, binary stars, culminated in 20 years of data.

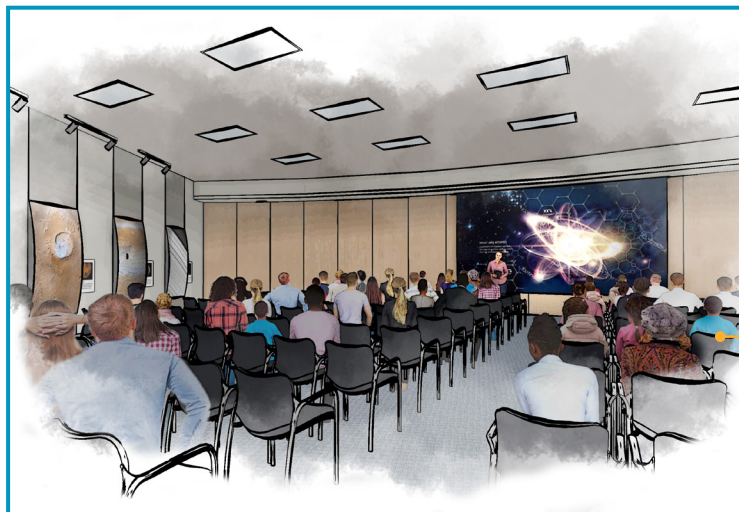
Lowell Observatory is pleased to have the Franz family represented in the new Astronomy Discovery Center. 

Colorful Way to Recognize ADC Donors

By Hannah Rounds, Corporate and Foundation Relations Manager

The names of donors to the ADC will appear on a colorful recognition wall inside the Origins Gallery. Inspired by celestial objects' colors and textures, the design will mirror a long-exposure image of the night sky with the camera pointed at the North Star. The lead ADC donors' names will be represented by planets. A touchscreen "star" around which the planets appear to orbit will allow visitors to explore a virtual three dimensional universe full of the names of the many more donors and volunteers who made the ADC possible.

Donors to the ADC will be recognized via an artistic, colorful mural including a touch screen for exploring the names of all those who made this dream a reality.



The Great Planetary Hall features seating as well as exhibits.

The Great Planetary Hall

By Lisa Actor, Deputy Director for Development

The Great Planetary Hall on the second floor of the ADC will be the perfect venue for conferences and weddings. At 3,000 square feet, the hall will accommodate 300 seated in conference lay-out and 200 for banquets. Once the ADC is open, our astronomers will no longer have to turn down requests to host conferences in their discipline and Lowell can be the site of many special celebrations.

Some naming opportunities, such as the astronomy quote plaque pictured here, include donor recognition. All donors will be recognized on the donor wall regardless of whether or not their name appears elsewhere.

To love beauty is to see light.

— Victor Hugo, writer

Sponsored by
PERCIVAL LOWELL

Naming Opportunities

By Hannah Rounds,
Corporate and Foundation Relations Manager

Once a donor decides to make a gift to the Kemper and Ethel Marley Foundation Astronomy Discovery Center (ADC), the fun part begins. The planning team created a list of the spaces, exhibits, and components of the ADC that a donor can claim. Together these opportunities make up everything needed to bring the Center to life and the naming gifts add up to the total needed to complete the project.

Donors work with the Lowell development team to choose which piece of the ADC puzzle they will claim and how they will be recognized for their gift. For some spaces this includes a plaque with the donor's name or the name of a loved one. All donors will be recognized on the animated donor display on the first floor.

The planning team also came up with creative names for different spaces. Some of these include: The Great Planetary Hall where events and lectures will be held; the Dwarf Planet Patio located off the hall for hosting receptions; and the Stellar Nursery, a mother's lounge on the first floor adjacent to the Curiosity Zone.

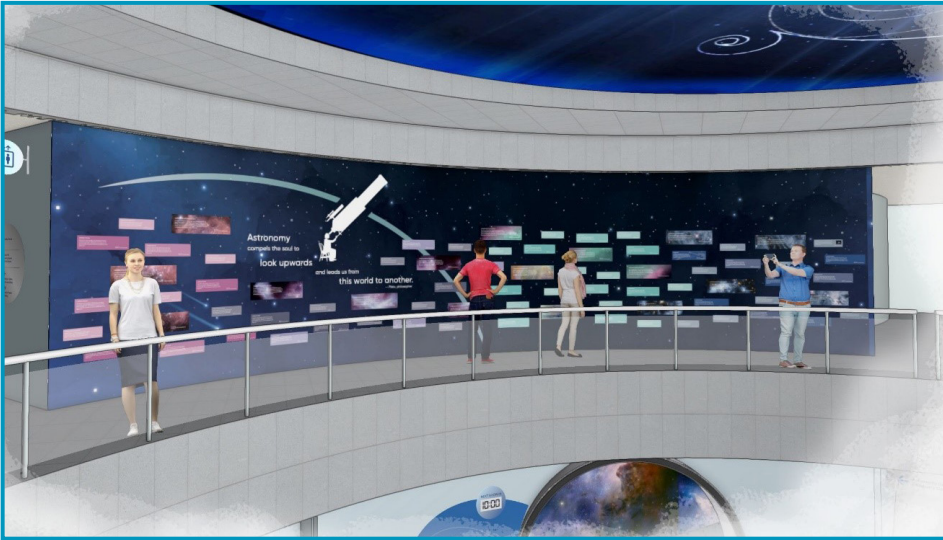
Unclaimed naming opportunities as of the writing of this article are listed here, but these will not last long. 📧

Individual team members' email and telephone numbers can be found on page 10.

Available Naming Opportunities

*As of press time

Universe Theater	\$4,000,000
Astronomy Gallery I	\$3,000,000
Curiosity Zone	\$2,500,000
Origins Gallery	\$1,500,000
Astronomy Gallery I Exhibits	\$1,000,000
Dark Sky-Compliant Lighting	\$1,000,000
Universe Theater Technology	\$1,000,000
Universe Theater Production Development	\$500,000
The Great Planetary Hall	\$500,000
Dark Sky Planetarium Production Development	\$350,000
Curiosity Zone Solar System Sky Climber	\$250,000
Program Development	\$150,000
Curiosity Zone Exhibit: Marty and Pluie's Zone	\$100,000
Curiosity Zone Exhibit: Space Exploration Zone	\$100,000
Curiosity Zone Science Exhibits	\$100,000
Dwarf Planet Patio	\$100,000
Thematic Experience Lighting (3)	\$75,000
Catering Servery	\$75,000
Dark Sky Planetarium Screen	\$50,000
Universe Theater Demo Table	\$50,000
Landscaping	\$50,000
Level 1 Landing	\$35,000
Level 2 Landing	\$35,000
Level 3 Landing	\$35,000
Stellar Nursery (Mothers' Lounge)	\$30,000
Great Planetary Hall Audio/Visual Equipment	\$25,000
Attraction Signage	\$25,000
North Elevator	\$25,000
Universe Theater Mission Control	\$20,000
Universe Theater 557.7nm (Green) Room	\$20,000
Universe Theater Alchemy Studio	\$20,000
Staff Workroom	\$15,000
Classroom Audio/Visual Equipment	\$15,000
Lobby Murals (2)	\$15,000 each
Origins Gallery Seating (4)	\$12,500 each
Stairway to the Stars Murals (3)	\$10,000 each
Curiosity Zone Science Cart	\$10,000
Elevator Lobby Benches (7)	\$7,500 each
Great Planetary Hall Images (9)	\$5,000 each
Outdoor Benches (5)	\$5,000 each
Diverse Universe Plaques (70)	\$3,500 each



The Diverse Universe

By Michael West, Deputy Director for Science & Samantha Gorney, Deputy Director for Education

No two planets, stars, or galaxies are alike. Neither are the people who study them.

A unique component of the Kemper and Ethel Marley Foundation Astronomy Discovery Center will be our Diverse Universe Wall. This space will feature brief biographies of cosmic explorers past and present, famous and not so famous.

By showing the human side of scientists—their unique life stories, surprising hobbies, challenges they’ve

overcome—we hope to inspire children to see themselves as future scientists. Our message is that there’s a place for everyone in astronomy.

Astronomers, planetary scientists, educators, engineers, and artists from every continent will be profiled in individual plaques mounted on the Diverse Universe Wall. These are available for sponsorship. Your gift could help inspire the next generation of stargazers! 🌌

Contact Info

Want to support the ADC? Any of these Development team members can help you:

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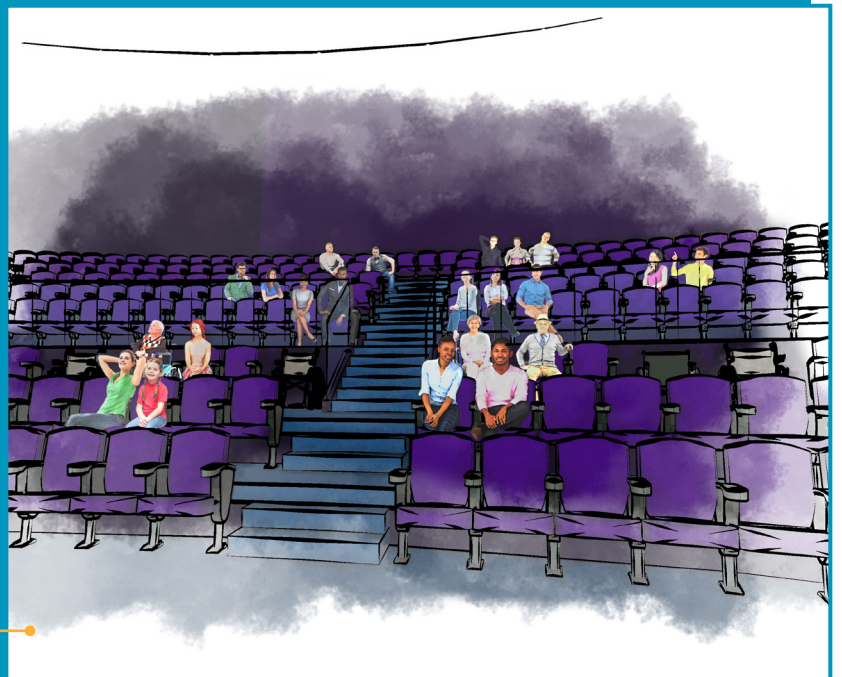
lowell.edu/adc

ADA Accessibility

By Hannah Rounds,
Corporate and Foundation Relations Manager

Lowell Observatory’s vision for the ADC is that it will be universally accessible or ADA Plus. We must comply with the standards set by the Americans with Disabilities Act (ADA). However, we seek to go above and beyond to create a seamless experience for visitors with special needs. For example, not only will the Universe Theater include more wheelchair spaces than required, these spaces will have premium lines of sight on the beautiful wrap-around screens. We are working with experts to review the ADC design plans in hopes of achieving this goal.

Wheelchair spaces in the Universe Theater will feature premium lines of sight as part of Lowell’s commitment to being ADA plus.



ASTRONOMY DISCOVERY CENTER

continued from page 1

In the ADC's Curiosity Zone, a play-based learning space for zero- to eight-year-olds, children will engage in activities designed to empower their inner scientist. They will have opportunities to explore how scientific tools help us see things in new ways, investigate how math allows us to describe and understand our world, and study how experimentation enables us to test ideas. We will encourage caregivers to participate in Curiosity Zone activities with their children and provide them guidance on how they can help their children dive deeper.

The ADC's Universe Theater (UT) and Dark Sky Planetarium (DSP) will allow Lowell's team of adept science communicators to showcase their skills. In the UT, unencumbered by the laws of physics, guides will take visitors to the many fascinating places they cannot access through Lowell's telescopes. Within the DSP, an open-air facility perched atop the ADC 50 feet above ground level, educators will share our ancestors' stories inscribed in the stars. The setting, the tools, and the presenters' knowledge and genuine enthusiasm will combine to create unforgettable experiences in each of these unique venues.

We are part of the Universe. Beneath the cloak of our atmosphere and the weight of life's responsibilities, it is easy to lose sight of this fact. A visit to the ADC will bring this reality into sharp focus while showcasing just how incredible our Universe is. We look forward to sharing this wonderful experience with you! 🌌

ADC PLANNING TEAM

continued from page 3

The overall strategic planning and guidance is provided by Ian McLennan and Bill Peters. Ian and Bill are consultants specializing in museums, science centers, and planetariums, that help organizations develop plans to respond to community needs. Ian and Bill have provided "education through sophisticated entertainment" to several hundred worldwide projects. But the ADC stands out to them because of the sophistication and "can-do" spirit of the team, and the unparalleled professional opportunity of this truly unique facility that will profoundly engage and educate visitors both local and from around the globe.

Dark Sky Adaptation Plaza

By Stephen Riggs, Development Manager

The north entrance of the ADC will be the Dark Sky Adaptation Plaza. It will feature dim lighting to allow visitors' eyes to adjust to the dark before walking to the GODO for telescope viewing. It will have exhibits about the importance of dark skies to astronomy and the effects of light pollution. The Plaza will serve as a gathering point for visitors both in the evening and in the daytime.



The Dark Sky Adaptation Plaza at the north entrance to the ADC.

The stories to be told in the ADC are being developed by a content working group—a diverse team of Lowell astronomers, education specialists, and consultants that are experts in the field. The team spent many months thinking about ways to provide a unique and meaningful experience for visitors without creating the same old astronomy exhibits. The result? An experience that will immerse guests in perhaps the greatest story of all time—the story of the universe and the journey atoms have taken from the Big Bang to becoming part of us.

Kei Space Design is our interpretive planning and design partner. Led by Juan Tanus, the four senior members of his team have many decades of experience working on science centers and museums. The lead exhibit developer has a PhD in astronomy which provides good continuity with Lowell scientists and ensures the design work and experiences are scientifically accurate.

The architectural design is being led by Tim Whiteside, one of three partners at local Flagstaff firm JWA Architects. Tim has been practicing architecture for 41 years; 27 of those in Flagstaff. Tim knows

Lowell Observatory well as he designed the Giovale Open Deck Observatory (GODO), and his firm designed the Steele Visitor Center. Tim is inspired by the passion for astronomy that permeates the core Lowell team and enjoys the challenge of translating that passion into architecture.

Construction management is provided by BEC Southwest, also a local Flagstaff firm. Marc Daniels and Steve Bernard have worked together for 25 years and have a combined experience of over 70 years. They have excelled on unique, difficult, and highly technical projects, including the Lowell Discovery Telescope and GODO, and their insight during the design process is unsurpassed.

The ADC is an ambitious project. But thanks to an exceptional project team with a high level of diversity and experience, a common vision, and a commitment to excellence, we expect to deliver nothing short of awesome! 🌌



As part of Lowell Observatory's efforts to stay connected and continue our mission of science education, we are providing video resources that include live streams, kids activities, observing tips, educational series, and much more. Visit lowell.edu/youtube for our latest videos.



Interactive Stargazing

Join Lowell Observatory educators at the Giovale Open Deck Observatory for a guided, interactive observing session. Weather-dependent.



Cosmic Coffee

Explores a different topic in astronomy or planetary science each week.



Sagas in the Sky

Explores some of the stories behind the stars in the night sky.



Mars Hill Almanac

Tune in to see what is happening in the night sky over the next month.



Meet an Astronomer

Meet some of Lowell's astronomers, and the occasional guest astronomer, and hear about their research.



LOCKs Science Challenges for Kids

Keep kids engaged with STEM with these at-home science challenges. Find them on the LOCKs facebook page: facebook.com/orbitsscience

Science Challenge

Find us on Social Media!

Facebook.com/LowellObservatory

Twitter: @LowellObs | Instagram: @LowellObservatory

YouTube: lowell.edu/youtube

lowell.edu



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