



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 2, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Dr. Thomas Pannuti, shares passion for astronomy research with students**

Dr. Thomas Pannuti, Morehead state professor of astrophysics and space science, was barely a teenager when Haley's Comet made its 1986 orbit around the earth. Still, he was fascinated with the celestial object. He scoured his local library for books on astronomy, learning all he could in the months leading up to the comet's passage.

"I was amazed at how astronomers could determine such properties of stars as their surface temperatures, their diameters and their distances, all with a high degree of confidence," Pannuti said. "My passion for astronomy was ignited at that time, and I made up my mind then that I wanted to become a professional astronomer."

Recently, Pannuti was recognized for his research work with students as the recipient of the Council on Undergraduate Research Physics and Astronomy (CUR P&A) Division's Outstanding Mentor Award.

Pannuti's primary research focus is the study of galactic and extragalactic supernova remnants, and he has mentored approximately 50 undergraduate students in his time at MSU. Pannuti said he was guided to the study of supernova remnants while working on his Ph.D. dissertation at the University of New Mexico in Albuquerque, New Mexico, and has built on that research during post-doctoral positions and at MSU.

"Students have helped me to identify X-ray emission from extragalactic supernova remnants, to determine the X-ray morphologies of galactic supernova remnants and to perform spectroscopy of different portions of galactic supernova remnants with the intent of determining the types of stellar progenitors of these explosions," Pannuti said. "I believe these experiences in combination represent an extension of the education that a student receives in the classroom. I also believe the sum of these experiences make a student more prepared for the workforce in that they learn how to apply their knowledge to a problem, how to solve the problem itself and how to present their solution to their

peers in the workforce in an effective manner.”

Pannuti said he received good mentorship as a student and therefore understands how important it can be to a student’s success. He added he is honored by the recognition he received from CUR P&A.

“My mentors impressed upon me how to pursue a project with proper scientific rigor as well as to be resourceful with a project, such as the importance of drawing upon multiple skills and references to develop a truly informed perspective on the project,” he said. “Involving students in research has been one of my greatest joys during my career at MSU, and I am always thrilled for the students when their names appear as co-authors on papers that we publish in refereed journals. I truly hope they find the experience of working on research projects to be beneficial.”

For additional information about Pannuti’s research, email [t.pannuti@moreheadstate.edu](mailto:t.pannuti@moreheadstate.edu) or call 606-783-9591.

To explore programs in MSU’s Department of Physics, Earth Science and Space Systems Engineering, visit [www.moreheadstate.edu/phes](http://www.moreheadstate.edu/phes), email [phes@moreheadstate.edu](mailto:phes@moreheadstate.edu) or call 606-783-2381.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 2, 2021  
FOR IMMEDIATE RELEASE  
MOREHEAD, Ky.---**

### **Milo Golding, son of late MSU art professor Deeno Golding, wins National Google Doodle Competition**

As the son of the late MSU art professor Deeno Golding, Milo Golding is receiving worldwide recognition for his work while honoring his father's legacy.

Milo, a 16-year-old 11th grader at Lexington Christian Academy, was named the winner of the 2021 Doodle for Google competition. Now in its 13th year, the competition involves accepting submissions from K-12 students for their rendition of the Google Doodle, creative versions of its logo featured on the search engine's home page.

As an MSU art professor for 23 years, Deeno created the graphic design curriculum for the University's College of Art and Design while also serving as a faculty advisor for the American Institute for Graphic Arts (AIGA). Deeno passed away from a heart attack in December 2017. The Golding-Yang Art Gallery on MSU's campus was officially renamed to honor him, his wife, Yanya Yang (Class of 1997), and his brother-in-law, Neng Yang (Class of 1993).

Milo said he's been drawing for as long as he can remember, and his parents have always nurtured his love of art.

"I remember once when I was young, I got in trouble for drawing on the walls at a relative's house," Milo laughed. "They had to apologize for that, but they never wanted to stunt my creativity. They always kept sketchbooks around for me to draw in."

The theme for the contest was "I am strong because..." Thinking of the lessons he learned from his father, Milo finished the theme phrase with, "I have hope."

"I remembered a conversation I had with my dad, where I asked him how he was able to

face obstacles in his life and overcome them," Milo said. "He told me, 'I have hope. Hope keeps me strong.' So, it came to me-I am strong because I have hope."

Milo said he's always been curious about how Google chose the artwork for its masthead, and he learned of the contest while researching the topic. He said the idea for the image came to him when he connected the contest's theme to his own experiences. His winning submission, titled "Finding Hope," is composed of imagery that expresses his loss and how he has remained hopeful for the future. The roller coaster and monsters in the background represent Milo's emotions and fears as he has processed his grief.

Milo learned he won the spot as the representative for Kentucky in the contest when he came home from an advanced placement preparation session to find a group from Google waiting to congratulate him. He did a videoconference interview with the judges, and a short while later, they asked for a second interview, saying the recording of the first had poor sound quality. Milo was shocked when Google CEO Sundar Pichai joined the call to tell him he was the national winner.

"It didn't hit me right away, but when it did, I was very elated and grateful," he said. "I'm just truly thankful for the opportunity to share my story and my message of hope. Regardless of the fluctuations and life obstacles we may face, hope is always there."

In addition to having his artwork featured on Google's homepage for 24 hours, Milo also earned a \$30,000 scholarship and a \$50,000 technology package for his school. His award-winning submission also received national media coverage with an appearance on NBC's "Today Show." Milo also appeared on the "NBC Nightly News: Kids Edition with Lester Holt."

Milo plans to study medicine in college and become a cardiologist, inspired yet again by his father. Still, he said art will remain an essential part of his life.

"Art is a form of healing, so I want to incorporate that into my career in medicine to help my patients," he said.

To view Milo Golding's award-winning submission, visit [www.google.com/doodles/doodle-for-google-2021-us-winner](http://www.google.com/doodles/doodle-for-google-2021-us-winner).

For additional information about the art and design programs at MSU, visit [www.moreheadstate.edu/art](http://www.moreheadstate.edu/art).

###



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 3, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Ron and Diane Cartee Scholarship recipients announced**

The Morehead State University Foundation has announced the 2021-22 recipients of the Ronald and Diane Cartee Scholarship Endowment, a fund to benefit MSU students. The endowment provides scholarships to students from Greenup County.

This year's recipients of the Cartee Scholarship are:

- Loran Baker, senior from Greenup pursuing a Bachelor of Business Administration - Accounting
- Parker Clarke, senior from Greenup pursuing a Bachelor of Science in Engineering Technology - Construction Management/Civic Engineering Area
- Katie Garrison, senior from Greenup pursuing a Bachelor of Arts in Strategic Communication
- Shaeleigh Moore, incoming freshman from Greenup pursuing a Bachelor of Science in Veterinary Science
- Alexis Rollins, sophomore from Greenup pursuing a Bachelor of Science in Veterinary Science

Originally from Greenup County, Ronald "Ron" Cartee (Class of 1965) and his wife Diane have been longtime supporters of MSU. Ron attended MSU and earned a Bachelor of Science degree. He and his wife, Diane, married his junior year.

Upon his graduation from MSU, the couple moved to Portsmouth, Ohio, where he began his business in land development. Together, they started with renovating homes before having the opportunity to develop forty acres in the city. Once his son Ron completed college, the family entered the business of building Arby's franchise stores in 1990 and has continued ever since. Ron was recognized for his success by being inducted into the MSU Alumni Hall of Fame in 2018.

The Cartees established the scholarship endowment in 2019. To recognize their charitable dedication to MSU, the Ronald and Diane Cartee Family Theater has been named in their honor in the Adron Doran University Center. The theater is used for various campus events and to welcome new students to MSU.

“My time at MSU was special and I’m grateful for the opportunities I received as a student. My wife Diane and I have worked very hard together to accomplish what we have today and credit that in part to a wonderful education at MSU,” Ron said. “That’s why it’s important for us to give back and provide scholarship opportunities for deserving students. Our hope is that we can assist students in realizing their full potential. I believe that life is not what you take with you, it’s about what you leave behind.”

For more information on this scholarship, or to establish your own, contact MSU’s Office of Alumni Relations and Development at 606-783-2033, email [giving@moreheadstate.edu](mailto:giving@moreheadstate.edu), or visit [alumni.moreheadstate.edu/give](http://alumni.moreheadstate.edu/give).

Pictured, left to right: Diane and Ron (Class of 1965) Cartee contributed \$200,000 to create the Ron and Diane Cartee Family Scholarship Endowment. For the 2021-22 academic year, five students from Greenup County were selected as scholarship recipients.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 5, 2021  
FOR IMMEDIATE RELEASE  
MOREHEAD, Ky.---**

### **Shi's research on healthcare finance takes novel approach, earns recognition**

One member of Morehead State's faculty is gaining recognition for her research exploring the different facets of healthcare finance.

Associate Professor of Finance Dr. Bo Shi has researched healthcare quality measures, the financial management of healthcare providers and insurers, the interrelationship between providers and insurers, and the provider and insurance markets. She recently published an article she co-authored, "On the financial superiority of Medicaid specialist insurers: a novel transactions cost/supply chain approach," appear in "The Geneva Papers on Risk and Insurance - Issues and Practice." The paper is co-authored by Dr. Etti G. Baranoff from Virginia Commonwealth University, Dr. Thomas W. Sager from the University of Texas, Austin and Dr. Dalit Baranoff from Johns Hopkins University. The method Shi and her colleagues used in their research is unique because they used a model that treats insurance consumers as products on the supply chain, and she said her team did face challenges in implementing the model.

"It's always challenging to introduce a concept, a theory, an empirical method never used in a field," Shi said. The approach is originated from our previous research treating insurance products underwritten by health insurance companies as a product portfolio. The challenge comes from the adaption of the supply chain concepts to the healthcare service delivery process."

Shi's research efforts are important because they could provide a more efficient model for private healthcare providers.

"The difference observed has strong healthcare policy implications and may encourage the adoption of Medicaid managed care practice. If insurance companies may deliver healthcare services for Medicaid beneficiaries more efficiently under the contract with the state government, this could be a better model to follow for other insurance

coverage. It may ultimately improve efficiency of the healthcare delivery system and contain healthcare costs," Shi said.

Another of Shi's papers, "Relationship of Hospital Star Ratings to Race, Education, and Community Income," recently received the Journal of Hospital Medicine's Most Influential Paper Award. In it, Shi and her co-authors, Dr. Christopher King and Dr. Sean Shenghsiu Huang from the Department of Health Systems Administration at Georgetown University explore the associations between the Centers for Medicare and Medicaid Services hospital star ratings and community characteristics, including racial/ethnic mix, household income, educational attainment, and regional difference.

To learn more about Shi's research contact her at [bo.shi@moreheadstate.edu](mailto:bo.shi@moreheadstate.edu) or 606-783-2475.

For information on programs in MSU's School of Business Administration, visit [www.moreheadstate.edu/business](http://www.moreheadstate.edu/business), email [cbt@moreheadstate.edu](mailto:cbt@moreheadstate.edu) or call 606-783-5025.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.





Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 5, 2021  
FOR IMMEDIATE RELEASE  
MOREHEAD, Ky.---**

### **Morehead State welcomes new Star Theater director as facility receives technology update**

Morehead State's Star Theater is undergoing significant changes with the hiring of a new director and upgrades to its technology.

Dr. Pamela Clark is the new director of the Star Theater and an instructor of space systems engineering. Before coming to MSU, Clark worked for NASA at both the Goddard Space Flight Center and the Jet Propulsion Laboratory. During her time at NASA, Clark was involved in analyzing and interpreting some of the first remote sensing, creating the first global-scale (lunar) database, supporting the development of instruments for solar system exploration, and working in advanced concept development for tools and instruments for planetary exploration. She also taught college courses in chemistry, geology, and physics and worked as a consultant for Flexure Engineering.

While working at Goddard, Clark met MSU Space Science Center Executive Director Dr. Ben Malphrus and said she was impressed with the program he helped build at MSU. When the opportunity to become the new director of the Star Theater arose, Clark said it felt like a good fit for her.

"An opening for a director of the Star Theater, which would also include working with the staff I already know in developing new missions, as well as interacting with students and teaching some of my favorite subjects, seemed like an excellent new direction for my career, as well as an opportunity to share my love for space exploration and expand opportunities to participate in it with this community," Clark said. As she assumes her new role, Clark said she would like to develop more collaborative STEM activities between the theater, campus, community groups, and tech companies.

Clark comes to the Star Theater at a time of transition, as the facility undergoes technology upgrades. They include new projection hardware and software that will expand the theater's repertoire of educational programming. Clark said she also plans to start screening vintage science fiction movies at the theater regularly and is planning events for International Observe the Moon Night in October.

"We will reopen with a brand-new system, with greatly improved performance, and be able to draw from a larger repertoire of astronomy feature shows adding to what we already have," Clark said. "The upgrades will provide much-improved performance and less costly maintenance, access to not only additional longer feature programming, but a far larger library of short features showing astronomical phenomena for use in courses."

The reopening of the Star Theater is planned for September. For information, visit [www.moreheadstate.edu/startheater](http://www.moreheadstate.edu/startheater) or call 606-783-9593.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 6, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Big Sandy Women's Business Symposium slated for Aug. 24**

The 22nd Annual Big Sandy Women's Business Symposium is scheduled for Tuesday, Aug. 24, at the Ramada Hotel and Conference Center in Paintsville. Presented by the Kentucky Small Business Development Center (SBDC) locations of Eastern Kentucky and Morehead State University, the theme of this year's symposium is "Do Something Extraordinary."

The morning will start with registration, networking, and opening remarks at 9:45 a.m. by Emcee Trish Adams, agency ambassador and board and industry liaison for the Eastern Kentucky Concentrated Employment Program (EKCEP.)

Attendees will then have their choice of two concurrent breakout sessions. Sessions that will be offered at the symposium include "The Customer Journey," presented by Amanda Kelly, small business training director for Southeast Kentucky Economic Development (SKED), and "Generational Differences in the Workplace," presented by Mercedes Maness, senior extension associate with the Community and Economic Development Initiative of Kentucky and Melody Nall, extension specialist and the engagement director at the Community and Economic Development Initiative of Kentucky (CEDIK.)

The morning keynote speaker will be Jessi Robinson and the afternoon keynote speech will feature Entrepreneur Jessica Lawrence. Lunchtime entertainment will be provided by the Kentucky School of Bluegrass and Traditional Music's Mountain Heritage Band. Robinson, an Eastern Kentucky native, is the founder and creative director of P&P Creative. Robinson also works to amplify the voices of women carving their own paths, sharing their stories and struggles as the host of her podcast, "Pursuing Fearless."

Jess Lawrence started her own business in 2006 as a national school and community health consultant. Cairn Guidance has been in business for 15 years, working with state

departments of education, including the Kentucky Department of Education. The company also works with public health departments, the Centers for Disease Control and Prevention. Cairn Guidance is involved with philanthropy through the Robert Wood Johnson Foundation, large urban school districts and non-profits working to create healthier schools and communities. In 2013, Lawrence embarked on a 4,197-mile solo bicycle trip across the United States and will share the story of her journey during her keynote address.

The Mountain Heritage Band from the Kentucky School of Bluegrass and Traditional Music is a collaborative group. It includes Director Dean Osborne, current and former students and Kris Preston, Natalie Tomlinson, Joe Goggins, and Stephanie Rose of the Hazard Community and Technical College in Hyden, Ky.

Registration begins at 9 a.m. The cost of the event is \$35, which includes all keynotes, workshops, lunch, and entertainment. While the event is targeted at women entrepreneurs, all are invited to attend the symposium. Registration is available online at <https://wbs2021.eventbrite.com>.

The Kentucky Small Business Development Center has been assisting the Commonwealth's small-business community since 1981. Through its statewide growing network of centers and experienced and knowledgeable staff, the Kentucky SBDC provides business coaching and training services that help existing business owners and potential entrepreneurs succeed. Kentucky SBDC is funded, in part, through a Cooperative Agreement with the U. S. Small Business Administration.

For more information, contact MSU SBDC Director Rachel Bowling at [rtbowling@moreheadstate.edu](mailto:rtbowling@moreheadstate.edu) or 606-783-2895, or General Management Consultant Michelle Spriggs at [m.spriggs@moreheadstate.edu](mailto:m.spriggs@moreheadstate.edu) or 606-432-5848.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 10, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Scholarship established in memory of Dr. Marshall Banks**

Dr. Marshall Banks' legacy at MSU is one that will be remembered for generations to come. He was a trailblazer in the world of collegiate athletics during the civil rights movement. Now, he will be forever remembered through a memorial scholarship that has been established through the Morehead State University Foundation.

Marshall D. Banks (Class of 1962) enrolled in MSU in 1958 and was the first Black athlete to receive an Ohio Valley Conference athletic scholarship. He started his collegiate career as a basketball player for the Eagles, but due to Jim Crow laws and civil rights issues, he decided to switch sports and joined the track and field team, where he became an all-conference student-athlete. Banks was a member of the Dean's List all four years at MSU, graduating with a Bachelor of Arts in 1962. In 1965, he returned to campus, first as a faculty member and a year later to become the head coach of MSU Track and Field, the first Black head coach in any sport in the Ohio Valley Conference (OVC).

Banks became a two-time graduate from the University of Illinois. He earned a master's degree in 1963 and was an assistant track and field coach while earning a Ph.D. in 1973. He later served as an associate professor in the Recreation Education Department at SUNY (State University of New York) Cortland and associate professor of the Department of Physical Education and Recreation at the University of Colorado from 1974 to 1978. Banks continued his career at Howard University in Washington, D.C., earning a tenured position and serving as chairman of the Department of Health, Physical Education and Recreation for two terms (1978-89 and 1993-99). He retired from Howard University in 2012 as a professor emeritus after 34 years of service.

In 1987, Banks was inducted into the MSU Athletic Hall of Fame and later received the Founders Award for University Service in 2008. He passed away on Oct. 6, 2020, at the age of 80. To honor his commitment to education and continue his legacy as an Eagle,

his wife Dorothy Banks established the Marshall Banks Memorial Scholarship in his memory.

"The Banks Family established the Marshall Banks Memorial scholarship in his memory. Marshall strongly believed when you open a book, you unlock the door to new adventures, knowledge and the power to become an independent thinker," a member of the Banks Family said in a statement. "This scholarship in his name will open doors for future generations."

Scholarship recipients must graduate from a high school located in MSU's 22-county service region, be an incoming freshman, and have a 3.0 GPA. Preference will be given to African American students. Awards will be used to assist students with textbook purchases. The first scholarship will be awarded in the fall 2022 semester.

Students interested in applying to this scholarship and other privately funded scholarships managed by the MSU Foundation should visit the online scholarship application at [moreheadstate.awardspring.com](https://moreheadstate.awardspring.com).

For more information on this scholarship, or to establish your own, contact MSU's Office of Alumni Relations and Development at 606-783-2033, email [giving@moreheadstate.edu](mailto:giving@moreheadstate.edu) or visit [alumni.moreheadstate.edu/give](https://alumni.moreheadstate.edu/give) to contribute today.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 10, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Lunar IceCube built at Morehead State delivered to NASA for Artemis I mission**

The Morehead State University team that built NASA's Lunar IceCube satellite safely delivered the spacecraft to NASA's Kennedy Space Center in Florida in preparation for a launch expected later this year on NASA's Space Launch System (SLS) Artemis I rocket.

Lunar IceCube is a small, complex interplanetary spacecraft about the size of a carry-on piece of luggage. It will be launched in November on the maiden voyage of the Space Launch System (SLS), the most powerful rocket ever built. Morehead State leads the mission in partnership with NASA Goddard Spaceflight Center, JPL, and the Busek Space Propulsion Company.

"Delivery of the spacecraft to NASA represents the culmination of seven years of development by the team," said Dr. Ben Malphrus, the principal investigator leading the mission. "It is a credit to our outstanding team of faculty and students that a small university was able to accomplish this incredible mission."

The Lunar IceCube team includes several faculty and staff members of the Space Science Center and more than 50 students at Morehead State, in addition to a small number of scientists and engineers from NASA Goddard Spaceflight Center, the NASA Jet Propulsion Laboratory, the NASA Independent Verification and Validation Center and the Busek Space Propulsion company.

Nathan Fite, a space systems engineer at the Space Science Center at MSU and the program manager, said the mission is significant.

"Lunar IceCube is one of the first of a generation of higher capability CubeSat spacecraft that represents a transition of the technology from Low Earth Orbiting (LEO) satellites to Interplanetary missions," Fite said. "The Artemis 1 missions bridge the gap

between LEO CubeSats and larger interplanetary space missions."

The 14 kg probe will use a plasma drive propulsion system to take it on a circuitous route to the Moon, where it will orbit for a year and investigate the transportation physics of water ice on the lunar surface in support of a lunar outpost that NASA plans to develop.

Previous lunar missions have discovered water ice in frigid regions of the Moon called Permanently Shadowed Regions (PSRs). Lunar IceCube will investigate how much water is there and where these deposits are. NASA hopes that there is enough water on the Moon to support future human and robotic exploration of the solar system.

Lunar IceCube's mission will last approximately 18 months and the spacecraft will perform hundreds of orbits of the Moon. The mission will be operated from the Mission Operations Center (MOC) in the Space Science Center at Morehead State University, where the spacecraft was built. The team will use NASA's Deep Space Network and Morehead State University's own 21-meter ground station antenna to send commands to the spacecraft and downlink data and telemetry.

Lunar IceCube was among the first two CubeSats of 13 taken aboard for the Artemis I mission as secondary payload. In preparation for its mission, Lunar IceCube was integrated with a dispenser and installed in the Orion stage adapter at NASA's Kennedy Space Center in Florida on July 16. When Artemis I launches later this year, it will carry 12 CubeSats. These missions are the secondary payloads on the Artemis I mission.

Now that the spacecraft has been delivered, the team will use an engineering model of the satellite called a "FlatSat," located at MSU, to develop and test the spacecraft activities needed once Lunar IceCube is in flight. This model includes all the components on the flight spacecraft delivered to the Kennedy Space Center and runs the flight software developed in-house at Morehead State.

For more information about MSU's Space Science Center, visit [www.moreheadstate.edu/ssc](http://www.moreheadstate.edu/ssc).

To learn about MSU's space systems engineering program, visit [www.moreheadstate.edu/study/spacesystemsengineering](http://www.moreheadstate.edu/study/spacesystemsengineering), email [phes@moreheadstate.edu](mailto:phes@moreheadstate.edu) or call 606-783-2381.

Photo Credit: NASA

Top Photo: The Artemis I spacecraft is currently being assembled at the Kennedy Space Center and will carry the Lunar IceCube as a secondary payload.

Bottom photo: Nathan Fite, MSU instructor of space systems engineering, conducted final testing on the Lunar IceCube after it was delivered to the Kennedy Space Center in Cape Canaveral, Florida.

###



Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 10, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Morehead State's Dr. Philip Prater trains veterinary technician students in Haiti**

Morehead State Professor of Veterinary Science, Dr. Philip Prater, recently traveled to Haiti to train veterinary technology students.

Prater spent July 4-11 in Haiti providing animal health training to 20 Haitian veterinary technical students. The students were working toward their certification as veterinary agents in Haiti, where they will provide the bulk of veterinary medical care for companion animals, livestock, horses and poultry.

"I have always felt blessed to have learned skills that can actually help animals and the people who depend on them to survive. Much of the world does not have a supermarket that they can just pop into to grab some grocery items," Prater said. "Most of the world has to raise the animals that will provide them any source of nourishment. If those animals are not healthy, then families will go hungry. I am so fortunate to be able to use my God-given skills to help people in impoverished places to be able to sustain a steady source of protein, especially for their young growing children."

The students are housed and trained at a facility in Des Chapelle, Haiti, called AG Horizons, a private training institute. It is directed by Mr. Franso Fracciterne, a Haitian agriculturalist who oversees logistics for the training sessions. AG Horizons provides housing, lecture facilities, and laboratories for developing the essential skills that veterinary agents will need to function effectively in their specific regions of the country.

The MSU Bookstore, Hinton Mills, and the West Liberty Veterinary Clinic contributed to Prater's efforts by donating veterinary equipment and supplies and clothing for Prater's students.

This is the first time Prater has participated in the training program, but he first visited Haiti in 2010 to aid in rebuilding efforts in the aftermath of a massive earthquake that

devastated the island nation and caused more than 300,000 deaths and left a million people homeless. According to Prater, most Haitian families depend on their poultry and livestock to survive. Prater trained the students using a curriculum designed by Fracciterne and Dr. Lee Ann Bergland-Fosdick, associate missionary with Christian Veterinary Missions. The curriculum helps students:

- Improve food security.
- Control the spread of infectious diseases in animals and people.
- Establish guidelines for treatment and control of internal and external parasites in horses, poultry and livestock.
- Train veterinary agents to teach farmers how to best use vaccines and therapeutic agents for sick animals.
- Establish a sustainable, safe food supply.
- Establish solid and effective partnerships between AG Horizons and agencies outside Haiti to provide teachers and supplies for optimal instruction of veterinary agents.
- Improve animal health management practices that result in healthier, more productive livestock.

Prater also provided training in herd health management, parasite control and vaccinations for more than 170 cattle, goats and horses owned by residents in the community surrounding the training facility.

"I was so impressed by the students there, who see their training as precious knowledge," Prater said. "The skills that they learned will actually help them provide for their families, which is so critical since the average Haitian worker makes about \$2 per day."

He added that, despite the internal political tensions in Haiti, he's proud of the work he did there and hopes it will empower the students he worked with to improve lives in their communities.

"It was truly remarkable as if there was a 'divinely placed dome of protection' around us while we were there doing this important work," Prater said. "AG Horizons and CVM supplied a great network of people who shuttled us out of harm's way and to the airport without issue. Haiti is a desperate nation and has been in a continuous cycle of corruption, poverty and despair for two centuries. The hope that the team has is that we have established a foundation for educational, financial and spiritual growth that will instill hope in the veterinary agents to go forth into their communities and be agents of change for the people and animals they will serve."

To learn more about Prater's work in Haiti, contact him at [p.prater@moreheadstate.edu](mailto:p.prater@moreheadstate.edu) or call 606-783-9364.

To learn more about MSU's veterinary technology programs, visit [www.moreheadstate.edu/vettech](http://www.moreheadstate.edu/vettech), email [agsi@moreheadstate.edu](mailto:agsi@moreheadstate.edu) or call 606-783-2662.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 11, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Craft Academy welcomes Class of 2023**

The Craft Academy for Excellence in Science and Mathematics welcomed the class of 2023 to campus Sunday, Aug. 8. This is the largest incoming class in the Academy's history.

Students moved into Grote-Thompson Hall and were inducted into the Academy in a ceremony held in the Adron Doran University Center (ADUC) ballrooms. Craft Academy Director Dr. Carol Christian and MSU President Dr. Jay Morgan addressed the students, and each received an induction pin and certificate.

The Craft Academy for Excellence in Science and Mathematics is a dual-credit academy for academically exceptional Kentucky students. Craft Academy provides students with a postsecondary residential experience to complete their junior and senior years of high school by enrolling in college courses. The Craft Academy's purpose is to meet the unique educational needs of academically gifted and talented high school juniors and seniors in the Commonwealth. The academic rigor of the Craft Academy challenges students to excel at their highest level through project-based STEM+X courses and hands-on learning experiences, with emphasis on innovation, design and creativity, and civic and regional engagement.

For more information, visit [www.moreheadstate.edu/craft-academy](http://www.moreheadstate.edu/craft-academy), email [craftacademy@moreheadstate.edu](mailto:craftacademy@moreheadstate.edu) or call 606-783-2093.

View Flickr Gallery at  
<https://www.flickr.com/photos/msu1887/albums/72157719666928541>.

Photo Caption: Pictured above is the Craft Academy Class of 2023. Front row, from left to right: Caroline Fish of Boone County, Jillian Wallshield of Jefferson County, Allison

Hall of Pendleton County, Taylor Horsfall of Fayette County, Mahathi Siripurapu of Fayette County, Bethany Lucio of Franklin County, Faith Carney of Bullitt County, Cai Helms of Boyd County, Madison Ford of Fayette County, Riley Hicks of Floyd County, Abigail Grzynekowicz of Anderson County and Hannah Barrett of Lee County.

Second row, left to right: Camryn Banbel of Morgan County, Chloe Gallagher of Pendleton County, Sydney Sebastian of Owsley County, Abigayle Caldwell of Lawrence County, Megan Pennington of Elliott County, Lauren Bordeaux of Mercer County, Hannah Stanley of Kenton County, Alexa Cunningham of Oldham County, Kelsey Sowders of Franklin County and Naomi Wiegand of Oldham County.

Third row, left to right: Logan Lee of Lewis County, Raul Sierra of Anderson County, Khloe Schwaniger of Franklin County, Hayley Milner of Boone County, Kirston Kelley of Estill County, Kayla Hanvey of Bourbon County, Kendall Mayes of Greenup County, Kaylee Bow of Knox County and Hanah Whisenant of Lawrence County.

Fourth row, left to right: Alyssa Patel of Bullitt County, Sarah Robinson of Spencer County, Lauren Beasley of Montgomery County, Kiera Fehr of Fayette County, Muriel Tipton of Montgomery County, Brenya Allred of Calloway County, Autumn Davidson of Owsley County, Sara Hassan of Rowan County, Harrison Adkins of Rowan County, Laci Davis of Harrison County, Bryce Watkins of Bourbon County and Landon Hodge of Fayette County.

Fifth row, left to right: Savannah Reed of Daviess County, Alyssa Turner of Pendleton County, Sagar Patel of Knox County, Brianna Kayatin of Breathitt County, Andrew Dorn of Boone County, Victoria Pintha of Pendleton County, Ava Ashley of Franklin County, Mallory Baker of Oldham County, Canyon Thomas of Franklin County, Ezrie Justice of Perry County, Alexander Neal of Fayette County, Anakin Slone of Johnson County and Joshua Day of Jessamine County.

Sixth row, left to right: Bailey Bullock of Rockcastle County, Jude Hall of Pendleton County, Braden Bickers of Campbell County, LeBraun Hamilton of Hart County, Taylor Fryman of Harrison County, Derek Gill of Powell County, James Bandy of Meade County, Shawn Nelson of Jefferson County, Paul Brooks of Henry County, Sawyer Putnam of Garrard County, Kaleb Trent of Perry County and Miles Saunders of Bath County.

Seventh row, left to right: Cameron Perry of Harrison County, Levi Shoemaker of Rowan County, Curtis Bair of Carter County, Brady Sammons of Carter County and Jacob Winkler of Estill County.

###





Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 11, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Craft Academy welcomes Class of 2023**

The Craft Academy for Excellence in Science and Mathematics welcomed the class of 2023 to campus Sunday, Aug. 8. This is the largest incoming class in the Academy's history.

Students moved into Grote-Thompson Hall and were inducted into the Academy in a ceremony held in the Adron Doran University Center (ADUC) ballrooms. Craft Academy Director Dr. Carol Christian and MSU President Dr. Jay Morgan addressed the students, and each received an induction pin and certificate.

The Craft Academy for Excellence in Science and Mathematics is a dual-credit academy for academically exceptional Kentucky students. Craft Academy provides students with a postsecondary residential experience to complete their junior and senior years of high school by enrolling in college courses. The Craft Academy's purpose is to meet the unique educational needs of academically gifted and talented high school juniors and seniors in the Commonwealth. The academic rigor of the Craft Academy challenges students to excel at their highest level through project-based STEM+X courses and hands-on learning experiences, with emphasis on innovation, design and creativity, and civic and regional engagement.

For more information, visit [www.moreheadstate.edu/craft-academy](http://www.moreheadstate.edu/craft-academy), email [craftacademy@moreheadstate.edu](mailto:craftacademy@moreheadstate.edu) or call 606-783-2093.

View Flickr Gallery at  
<https://www.flickr.com/photos/msu1887/albums/72157719666928541>.

Photo Caption: Pictured above is the Craft Academy Class of 2023. Front row, from left to right: Caroline Fish of Boone County, Jillian Wallshield of Jefferson County, Allison



Hall of Pendleton County, Taylor Horsfall of Fayette County, Mahathi Siripurapu of Fayette County, Bethany Lucio of Franklin County, Faith Carney of Bullitt County, Cai Helms of Boyd County, Madison Ford of Fayette County, Riley Hicks of Floyd County, Abigail Grzynekowicz of Anderson County and Hannah Barrett of Lee County.

Second row, left to right: Camryn Banbel of Morgan County, Chloe Gallagher of Pendleton County, Sydney Sebastian of Owsley County, Abigayle Caldwell of Lawrence County, Megan Pennington of Elliott County, Lauren Bordeaux of Mercer County, Hannah Stanley of Kenton County, Alexa Cunningham of Oldham County, Kelsey Sowders of Franklin County and Naomi Wiegand of Oldham County.

Third row, left to right: Logan Lee of Lewis County, Raul Sierra of Anderson County, Khloe Schwaniger of Franklin County, Hayley Milner of Boone County, Kirston Kelley of Estill County, Kayla Hanvey of Bourbon County, Kendall Mayes of Greenup County, Kaylee Bow of Knox County and Hanah Whisenant of Lawrence County.

Fourth row, left to right: Alyssa Patel of Bullitt County, Sarah Robinson of Spencer County, Lauren Beasley of Montgomery County, Kiera Fehr of Fayette County, Muriel Tipton of Montgomery County, Brenya Allred of Calloway County, Autumn Davidson of Owsley County, Sara Hassan of Rowan County, Harrison Adkins of Rowan County, Laci Davis of Harrison County, Bryce Watkins of Bourbon County and Landon Hodge of Fayette County.

Fifth row, left to right: Savannah Reed of Daviess County, Alyssa Turner of Pendleton County, Sagar Patel of Knox County, Brianna Kayatin of Breathitt County, Andrew Dorn of Boone County, Victoria Pintha of Pendleton County, Ava Ashley of Franklin County, Mallory Baker of Oldham County, Canyon Thomas of Franklin County, Ezrie Justice of Perry County, Alexander Neal of Fayette County, Anakin Slone of Johnson County and Joshua Day of Jessamine County.

Sixth row, left to right: Bailey Bullock of Rockcastle County, Jude Hall of Pendleton County, Braden Bickers of Campbell County, LeBraun Hamilton of Hart County, Taylor Fryman of Harrison County, Derek Gill of Powell County, James Bandy of Meade County, Shawn Nelson of Jefferson County, Paul Brooks of Henry County, Sawyer Putnam of Garrard County, Kaleb Trent of Perry County and Miles Saunders of Bath County.

Seventh row, left to right: Cameron Perry of Harrison County, Levi Shoemaker of Rowan County, Curtis Bair of Carter County, Brady Sammons of Carter County and Jacob Winkler of Estill County.

Photos are located at this link: [https://moreheadstateedu28844-my.sharepoint.com/:f/g/personal/m0310843\\_moreheadstate\\_edu/EifJwl-m8CRNiUvbpBsomd4Bo3F26p68UKJr-vqH0rwjQ?e=qBRdq0](https://moreheadstateedu28844-my.sharepoint.com/:f/g/personal/m0310843_moreheadstate_edu/EifJwl-m8CRNiUvbpBsomd4Bo3F26p68UKJr-vqH0rwjQ?e=qBRdq0) and will be available until Aug. 31, 2021.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

# NEWS RELEASE

**Aug. 16, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

## **Eagle Fest is Aug. 18**

As part of kicking off the 2021-22 academic year at Morehead State University, MSU will host an annual event to bring together the entire campus community. Eagle Fest 2021 will be held from 6 to 8 p.m. Wednesday, Aug. 18. It will be located at ADUC Commons, the lawn of Fields Hall and the lawn in front of Allie Young Hall.

Sponsored by the Office of Student Activities, the University Store and Aramark, Eagle Fest creates an opportunity for student organizations to recruit new members and for local community businesses to advertise their goods and services to new and returning students.

Lora Pace, director of first year programs at MSU, said Eagle Fest will offer students the chance to win prizes while enjoying an event meant to benefit the entire student body.

"Eagle Fest is a great program for all students – both new and current," Pace said. "It is a great opportunity to find out ways to get involved on campus, learn what is offered in the Morehead community and just to have fun."

For more information on Eagle Fest, visit [www.moreheadstate.edu/eaglefest](http://www.moreheadstate.edu/eaglefest) or contact Liz Lovend with the Office of Student Activities at [e.lovend@moreheadstate.edu](mailto:e.lovend@moreheadstate.edu) or 606-783-2886.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

# NEWS RELEASE

**Aug. 17, 2021  
FOR IMMEDIATE RELEASE  
MOREHEAD, Ky.---**

## **Eagle Fest is Aug. 18**

As part of kicking off the 2021-22 academic year at Morehead State University, MSU will host an annual event to bring together the entire campus community. Eagle Fest 2021 will be held from 6 to 8 p.m. Wednesday, Aug. 18. It will be located in the ADUC Ballroom.

Sponsored by the Office of Student Activities, the University Store and Aramark, Eagle Fest creates an opportunity for student organizations to recruit new members and for local community businesses to advertise their goods and services to new and returning students.

Lora Pace, director of first year programs at MSU, said Eagle Fest will offer students the chance to win prizes while enjoying an event meant to benefit the entire student body.

"Eagle Fest is a great program for all students – both new and current," Pace said. "It is a great opportunity to find out ways to get involved on campus, learn what is offered in the Morehead community and just to have fun."

For more information on Eagle Fest, visit [www.moreheadstate.edu/eaglefest](http://www.moreheadstate.edu/eaglefest) or contact Liz Lovend with the Office of Student Activities at [e.lovend@moreheadstate.edu](mailto:e.lovend@moreheadstate.edu) or 606-783-2886.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 17, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Board of Regents, Audit Committee to meet Aug. 19**

The Morehead State University Board of Regents will meet Thursday, Aug. 19, at 9:30 a.m. in room 329 of the Adron Doran University Center (ADUC), following an audit committee meeting, which begins at 9 a.m.

Judge David Barber will administer the oath of office to reappointed Regents Eric Howard, Wayne Martin, Student Regent Emily Wiley and newly elected Staff Regent - Dr. Joel Pace.

The regents will also vote to approve revisions to the University Debt Policy, as well as an Employee Compensation Plan.

Other items on the agenda include:

- Employee and Student Recognition
- Report on Athletics
- Approve Student Code of Conduct Revisions
- Approve Emergency Operations Plan
- Approve Coaching Contracts
- Approve OVC Governing Board Certification

The meeting will conclude with a campus tour and new regent orientation.

For more information, visit [www.moreheadstate.edu/bor](http://www.moreheadstate.edu/bor).

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 19, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Morehead State's 21m antenna to support NASA Deep Space Network**

Morehead State is joining the largest and most sensitive scientific telecommunications system in the world as its 21-meter tracking antenna becomes a NASA Deep Space Network (DSN) affiliate.

Officials from NASA visited MSU's Space Science Center Thursday, Aug. 12, to conduct an operational readiness review for the antenna. The MSU site will be the first non-NASA Deep Space Network affiliated node.

The DSN includes antennas in Barstow, California; Madrid, Spain; and Canberra, Australia. Operated by NASA's Jet Propulsion Laboratory (JPL), the DSN supports NASA's interplanetary missions. The DSN also provides radar and radio astronomy observations that improve the scientific understanding of the solar system and universe. The DSN sites are spaced roughly 120 degrees longitude apart, permitting constant communication with spacecraft as Earth rotates. Before a distant spacecraft sinks below the horizon at one DSN site, another site can pick up the signal and carry on communicating.

The review will verify that personnel, systems and equipment are trained and ready to support deep space exploration missions. Jeff Kruth, space systems engineer and the technical lead and Dr. Ben Malphrus, principal investigator, led the review for Morehead State University.

"This tells us that on the day of the launch, everybody is going to be just waiting for this rocket to get off the ground, and everyone's going to be ready to support the missions," said Andres Martinez, program executive of Advanced Exploration Systems with NASA. "This is a chance for the students and their professors to showcase all of their work for us and to get feedback from us."

Brad Arnold, project manager of the DNS for JPL, said the partnership between NASA and MSU is mutually beneficial.

"There's a fantastic synergy here," Arnold said. "These are the next generation of engineers and scientists that will be performing space exploration, so that synergy is vital. If we can't motivate and inspire the young people out there, the program's dead." MSU and NASA have a long-standing partnership. The 21-meter antenna at MSU has been operational since 2006, allowing students to gain valuable skills and experience in researching astrophysics, satellite telecommunications, RF and electrical engineering, and software development. NASA and MSU have also partnered on numerous missions involving CubeSats, small satellites designed, built and tested by MSU students and space systems engineering faculty. One such CubeSat, Lunar IceCube, will be a secondary payload on NASA's Artemis I mission to the moon later this year. Martinez said today's MSU students are tomorrow's aerospace engineers.

"The students are going through an experience that not many students get to do," Martinez said. "One of the missions of NASA is to prepare the next generation. Over the last five to seven years, some of (MSU'S) students have come into the NASA workforce; they've gone into the industry, working on projects for us. "

Becoming an affiliated node on the NASA DSN represents a major milestone for the Space Science Center faculty, staff and students. The initiative has been supported by NASA's Advanced Exploration Systems (AES) and NASA's Human Exploration and Operations Mission Directorate.

To learn more about MSU's Department of Physics, Earth Science and Space Systems Engineering programs, visit [www.moreheadstate.edu/phes](http://www.moreheadstate.edu/phes), email [phes@moreheadstate.edu](mailto:phes@moreheadstate.edu) or call 606-783-2381.

Morehead State is a NASA Space Grant University. The Space Grant national network includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.





Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 19, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Morehead State's 21m antenna to support NASA Deep Space Network**

Morehead State is joining the largest and most sensitive scientific telecommunications system in the world as its 21-meter tracking antenna becomes a NASA Deep Space Network (DSN) affiliate.

Officials from NASA visited MSU's Space Science Center Thursday, Aug. 12, to conduct an operational readiness review for the antenna. The MSU site will be the first non-NASA Deep Space Network affiliated node.

The DSN includes antennas in Barstow, California; Madrid, Spain; and Canberra, Australia. Operated by NASA's Jet Propulsion Laboratory (JPL), the DSN supports NASA's interplanetary missions. The DSN also provides radar and radio astronomy observations that improve the scientific understanding of the solar system and universe. The DSN sites are spaced roughly 120 degrees longitude apart, permitting constant communication with spacecraft as Earth rotates. Before a distant spacecraft sinks below the horizon at one DSN site, another site can pick up the signal and carry on communicating.

The review will verify that personnel, systems and equipment are trained and ready to support deep space exploration missions. Jeff Kruth, space systems engineer and the technical lead and Dr. Ben Malphrus, principal investigator, led the review for Morehead State University.

"This tells us that on the day of the launch, everybody is going to be just waiting for this rocket to get off the ground, and everyone's going to be ready to support the missions," said Andres Martinez, program executive of Advanced Exploration Systems with NASA. "This is a chance for the students and their professors to showcase all of their work for us and to get feedback from us."

Brad Arnold, project manager of the DNS for JPL, said the partnership between NASA and MSU is mutually beneficial.

"There's a fantastic synergy here," Arnold said. "These are the next generation of engineers and scientists that will be performing space exploration, so that synergy is vital. If we can't motivate and inspire the young people out there, the program's dead." MSU and NASA have a long-standing partnership. The 21-meter antenna at MSU has been operational since 2006, allowing students to gain valuable skills and experience in researching astrophysics, satellite telecommunications, RF and electrical engineering, and software development. NASA and MSU have also partnered on numerous missions involving CubeSats, small satellites designed, built and tested by MSU students and space systems engineering faculty. One such CubeSat, Lunar IceCube, will be a secondary payload on NASA's Artemis I mission to the moon later this year. Martinez said today's MSU students are tomorrow's aerospace engineers.

"The students are going through an experience that not many students get to do," Martinez said. "One of the missions of NASA is to prepare the next generation. Over the last five to seven years, some of (MSU'S) students have come into the NASA workforce; they've gone into the industry, working on projects for us. "

Becoming an affiliated node on the NASA DSN represents a major milestone for the Space Science Center faculty, staff and students. The initiative has been supported by NASA's Advanced Exploration Systems (AES) and NASA's Human Exploration and Operations Mission Directorate.

To learn more about MSU's Department of Physics, Earth Science and Space Systems Engineering programs, visit [www.moreheadstate.edu/phes](http://www.moreheadstate.edu/phes), email [phes@moreheadstate.edu](mailto:phes@moreheadstate.edu) or call 606-783-2381.

Morehead State is a NASA Space Grant University. The Space Grant national network includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

# NEWS RELEASE

**Aug. 19, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

## **MSU Board of Regents and Audit Committee hold meeting**

The Morehead State University Board of Regents held a meeting on Thursday, Aug. 19, 2021, in the Adron Doran University Center.

Four of MSU's Regents were sworn in by Judge David Allen Barber. They included regents Wayne Martin and Eric Howard along with Student Regent Emily Wiley and Staff Regent Dr. Joel Pace. The board also re-elected Eric Howard as chair, Sanford Holbrook as vice chair, Jacqueline Graves as secretary and Mary Fister-Tucker was appointed treasurer.

The board also accepted the recommendation from the audit committee to revise the University's debt policy and approved the revisions based on utilizing Moody's Higher Education Scorecard.

In other action, the board also approved:

- Faculty Compensation Plan
- Coaching Contracts
- Promotion to Librarian
- Revisions to the Student Conduct Code
- Emergency Operation Plan
- OVC Governing Board Certification

During the meeting, Morehead State Athletic Director and Volleyball Coach Jaime Gordon gave an overview of MSU's athletic programs. Members of the volleyball team along with Coach Preston Spradlin's men's basketball team were recognized for their OVC Championships last season and appearances in the NCAA Tournament.

MSU President Dr. Jay Morgan also shared a University outlook including strategic goals for the 2021-22 academic year.

For more information, please visit [www.moreheadstate.edu/bor](http://www.moreheadstate.edu/bor).

Captions:

Members of MSU's Board of Regents, pictured (L-R) - Front row: Student Regent Emily Wiley, Faculty Regent Dr. Annie Adams, Regent Terri Walters, and Staff Regent Dr. Joel Pace. Back row: MSU President Dr. Jay Morgan and Regents Sanford Holbrook, Eric Howard, Arthur Walker, Craig Preece, Wayne Martin and Adam Hinton.

Judge David Allen Barber administered the oath of office to (L-R) Eric Howard, Emily Wiley, Dr. Joel Pace and Wayne Martin.

MSU Athletic Director and Volleyball Coach Jaime Gordon and the Eagle Volleyball team were recognized for their championship season by the board.

Head Coach Preston Spradlin and the Eagle Men's Basketball team were recognized for their winning season last year.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 20, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Lawrence County High School Eagle Scholars visit Morehead State**

Eagle Scholar students from Lawrence County High School visited Morehead State University's campus, Friday, Aug. 20. They had a tour of campus and met with MSU admissions staff and students.

More than 50 high schools and area technology centers offered MSU Eagle Scholars classes last fall with nearly 2,500 high school students participating in the program.

“The Eagle Scholars program allows students to take rigorous college courses during high school. The classes are the same classes that are offered on the Morehead campus. They are taught by local teachers through a partnership with Morehead State. The instructors meet the same high academic standards that are required of MSU faculty. These courses are challenging and allow students to be exposed to college coursework and utilize campus services like tutoring and the library,” said Dr. Joel Pace, program director.

Qualifying students are given the opportunity to prepare for the future while attending high school. In the program, students may enroll in a course taught in their high school and receive college credit for successful completion. The program allows qualified high school faculty, who meet accreditation standards, to teach the University courses.

Additional information and a list of participating schools is available online at [www.moreheadstate.edu/eaglescholars](http://www.moreheadstate.edu/eaglescholars), email [ecp@moreheadstate.edu](mailto:ecp@moreheadstate.edu) or call 606-783-2534.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## **NEWS RELEASE**

**Aug. 23, 2021  
FOR IMMEDIATE RELEASE  
MOREHEAD, Ky.---**

### **MSU Talent Search Programs awarded federal grant funds**

Morehead State's Educational Talent Search (ETS) programs have received funding from the U.S. Department of Education to continue their mission through 2026.

MSU has two Talent Search Programs. The Talent Search Programs at Morehead State University will serve a target of 1,677 middle and high school students in 12 of the 22 county Service Region over the next five years. Those counties are Bath, Carter, Elliott, Greenup, Johnson, Lewis, Magoffin, Menifee, Montgomery, Morgan, Powell, Rowan and Wolfe.

The primary goal of Educational Talent Search is to encourage students to complete high school and develop academic skills to ensure their success in college. The program provides academic, career, and financial counseling to its participants and encourages them to graduate from high school and continue to and complete their postsecondary education. The program publicizes the availability of financial aid and assists participants with the postsecondary application process. Talent Search also encourages people who have not completed education programs at the secondary or postsecondary level to enter or reenter and complete postsecondary education.

“The Talent Search Programs at Morehead State University has provided services to thousands of low-income, first-generation participants in our service region. “We are thrilled to be able to continue to encourage and support students to graduate from high school and enroll in and complete college,” said Program Director Sharon Williams.

To learn more about ETS programs at MSU, visit [www.moreheadstate.edu/ets](http://www.moreheadstate.edu/ets), email Williams at [s.williams@moreheadstate.edu](mailto:s.williams@moreheadstate.edu) or call 606-783-2977.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.





Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 23, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **MSUCorps donates items to Eagle Essentials**

MSUCorps and the Retired Senior Volunteer Program (RSVP) teamed up to donate items to Eagle Essentials, which helps students in need.

The two AmeriCorps programs, MSUCorps and AmeriCorps Seniors Retired Senior Volunteer Program (RSVP) donated 74 bottles of shampoo, 140 bottles/bars of body wash, 400 toothbrushes, 50 tubes of toothpaste, 35 sticks of deodorant, several twin sheet sets, blankets, pillows and other basic necessities.

Located in room 251 of the Adron Doran University Center (ADUC), Eagle Essentials provides non-perishable food items, personal hygiene products and school supplies to MSU students free of charge, no questions asked. Students need only present their MSU ID and an Eagle Essentials attendant will present them with a list of available items. Once a student has made their selections, the attendant will discreetly bag the items for the student. Eagle Essentials has a satellite location at 203 Ginger Hall. Students can also learn more about programs like the SHARE fund and the Eagle Emergency Loan Fund, which provides financial assistance to students in crisis.

"Part of our mission here at Regional Outreach and Education is to engage Morehead students in community service activities," said Helisha Tuerk, associate Director of the RSVP. "It gives us great pleasure to provide Morehead State University students with basic college essentials. Our desire is to help foster a sense of community on campus and to help the students feel that we are a family here at Morehead State University and we take care of our family. We want to help them succeed. They are our future and we want all Eagles to soar high."

To learn more about the Eagle Essentials Program, visit [www.moreheadstate.edu/eagle-essentials](http://www.moreheadstate.edu/eagle-essentials).

To learn more about MSUCorps and RSVP, visit [www.moreheadstate.edu/msucorps](http://www.moreheadstate.edu/msucorps), email Tuerk at [h.tuerk@moreheadstate.edu](mailto:h.tuerk@moreheadstate.edu) or call 606-783-2085.

Photo Caption: Helisha Tuerk, left, and Tonya Sanders, RSVP project assistant, right, are pictured above with the donations collected for Eagle Essentials by MSUCorps and RSVP volunteers.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 26, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **MSPR airs 'Sound of Our Heritage' podcast**

A podcast produced by students and faculty at Morehead State's Kentucky Center for Traditional Music (KCTM) is being aired on Morehead State Public Radio (MSPR) 90.3 FM WMKY.

Produced and hosted by KCTM students, KCTM Director Raymond McLain, and Instructor of Music and Archivist Jesse Wells, "Sounds of Our Heritage" is a weekly 15-minute profile of traditional Appalachian music (bluegrass, gospel, old-time, country,) songs, songwriters, musicians and performers. It contains original recordings, interviews and stories.

McLain said the idea for the podcast came about due to the pandemic and the need for virtual learning. He said conducting band classes virtually was a challenge, so the idea came about to record each instrument's part separately, then mix them in production to create a song. McLain said Wells played a significant role in helping the students convert to performing virtually and recording digitally.

"The students really stepped up and were very resourceful," McLain said. "They were recording on whatever equipment they had."

Over the summer, McLain said KCTM received a donation that allowed them to purchase digital recording equipment for students to use to record remotely. Students worked to collect performances and interviews to create the podcasts. McLain said he approached MSPR General Manager Paul Hitchcock and Operations Director Greg Jenkins, and they agreed the podcast would be an excellent addition to MSPR's bluegrass programming.

"MSPR does such a great job with their bluegrass and traditional music programming,"

McLain said. "I thought (the podcast) would be a good fit, and they did too."

"We were very interested in showcasing KCTM, heritage of the music, performers and traditions. It's just a perfect fit for KCTM and MSPR to work together," said Hitchcock. "Our audience is always interested in KCTM. It's been well received and is an excellent showcase of the KCTM program, especially the students. MSPR is proud to offer this series to our listeners and look forward to expanding our partnership with the KCTM."

McLain said producing the podcast and learning to be performers during the pandemic was a learning experience for students that they can carry with them long after they graduate.

"Every great performer at one time or another has taken a hard knock in life and learned to overcome it," he said. "I think the students not only learned about digital performance and production; they also learned about the importance of having parallel career paths and parallel income."

MSPR broadcasts the feature at 11:30 a.m. Saturdays during Bluegrass Railroad and at 11:30 a.m. Sundays during Bluegrass Sunday. After they air, the podcasts are archived on MSPR's website, [www.wmky.org](http://www.wmky.org).

For more information about MSPR, visit [www.wmky.org](http://www.wmky.org), email Hitchcock at [p.hitchc@moreheadstate.edu](mailto:p.hitchc@moreheadstate.edu) or call 606-783-2001.

To learn more about KCTM, visit [www.moreheadstate.edu/kctm](http://www.moreheadstate.edu/kctm), email [kctm@moreheadstate.edu](mailto:kctm@moreheadstate.edu) or call 606-783-9001.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 30, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **MSU alumni Carver and Newland named semifinalists for Kentucky Teacher of the Year**

Two Morehead State University alumni were recently named among the 10 semifinalists for the 2022 Kentucky Teacher of the Year Award. Willie Edward Taylor Carver Jr. (Class of 2006, 2009) is a semifinalist in the high school category and Miranda Newland (Class of 2015, 2019) is a nominee for Elementary Teacher of the Year.

Carver is the French and English teacher at Montgomery County High School and a dual-credit French and English instructor through MSU's Eagle Scholars program. He came to MSU from Printer in Floyd County, earned a Bachelor of Arts in English in 2006, and completed the Master of Arts in Teaching program in English and French in 2009. Carver also earned a Rank 1 in French Linguistics from the University of Georgia in 2008 and completed post-graduate work in English at MSU in 2010. Carver previously served as an instructor of French at the University of Georgia from 2007 to 2009 and taught for two years at Raceland-Worthington Independent High School and Montgomery County High School and worked as a teacher and behavior interventionist in Burlington, Vermont.

Carver said he encountered many professors at MSU that made him feel worthwhile, seen, prepared and capable of achieving his dreams. He wants to have the same impact on his students.

"When a student says, 'I didn't know I could' or 'I never thought I could,' then I know I have done what I am here to do," he said.

Miranda Newland is in her second year as an interdisciplinary early childhood educator at Campbell Preschool in the Raceland-Worthington Independent School District. She worked for five years as a moderate and severe disabilities teacher at McKell Elementary in the Greenup County School District. The Raceland native felt at home when she came to MSU, and she was awarded scholarships on her way to earning both

a Bachelor of Arts in General Education (K-5) and Special Education Moderate and Severe Disabilities (K-12) and a Master of Arts in Interdisciplinary Early Childhood Education (Birth-5).

"I truly believe that MSU developed me holistically. They helped me recognize my true passion and learn the most effective teaching practices," Newland said. "MSU's teaching programs are unmatched in my opinion. You cannot beat the smaller class sizes, the brilliant professors, or the overall rigor of the program itself."

Even though Newland was shocked when she was initially nominated (she still doesn't know who wrote the letter recommending her for Teacher of the Year), Newland was surprised again after she decided to apply and found out she was a semifinalist.

"There are so many educators that are as equally or even more so deserving than myself of such an honor. I honestly completed the application out of respect for whoever took the time to nominate me. When I received the email that I had made it to the top 24, I was in complete disbelief. When they made additional cuts and I made it to the top 10, I cried. I cried because I am so thankful. I am thankful that someone thought so much of me to give me this chance," Newland said. "Now, all I want to do is make my tiny town and everyone else who has ever invested in me proud. I feel differently now than I did in the beginning. In the beginning, I was just thankful. Now that I've made it this far, I see how instrumental it could be to be named Kentucky Teacher of the Year. I would have the wonderful opportunity to advocate for my most passionate platforms in education-early childhood and special education."

To learn more about MSU's Ernst and Sara Lane Volgenau College of Education and its programs, call 606-783-2162 or visit [www.moreheadstate.edu/education](http://www.moreheadstate.edu/education).

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.



Communications & Marketing  
200 Earle Clements Ln. | Alumni Tower East  
Morehead, KY 40351  
P: 606-783-9328 | F: 606-783-5056  
[www.moreheadstate.edu](http://www.moreheadstate.edu)

## NEWS RELEASE

**Aug. 31, 2021**  
**FOR IMMEDIATE RELEASE**  
**MOREHEAD, Ky.---**

### **Hyden awarded the Nickolas R. Bailey Memorial Scholarship**

Allison Hyden, Minnie, a senior, has been awarded the Nickolas R. Bailey Memorial Scholarship for 2021-22.

“This scholarship means so much to Nick’s family and the MSU social work family, and I am so honored to be receiving it. Social Work is about helping others and putting good out in the world. Nick did this by putting his passion and heart into his work and I hope to continue that legacy,” Hyden said.

The scholarship is named in honor of the late Nickolas R. Bailey. The Mousie native passed away from a motorcycle accident in Floyd County at the age of 25. Bailey was a family preservation and reunification specialist for KVC Behavioral HealthCare. He graduated from MSU Prestonsburg with a bachelor’s degree in social work and volunteered with the Prestonsburg Student Association of Social Work (SASW).

Bailey’s wife, Jessica, his son, Greyson, along with family and friends, were in attendance for the presentation Wednesday, Aug. 25.

“We are all so honored that there is a scholarship that will be awarded in Nick’s name,” said Jessica, also an MSU alum. “He valued his education and always wanted to set a good example for our son. He was an amazing husband and an even more amazing father. With this scholarship, our son will grow up knowing education is important and be reminded of everything his dad accomplished.”

The Morehead State University Foundation and the Social Work Program at MSU-Prestonsburg established the scholarship in 2019 to benefit MSU at Prestonsburg students. The scholarship recipient must be a first-semester senior in the social work program at MSU Prestonsburg with a minimum 3.5 overall GPA, an interest in social justice and a documented history of volunteer social work.

“Awarding this scholarship is so very important to me personally. Nick was an amazing student who was truly an asset to our program, community, and profession. This scholarship is just one way to ensure his legacy and his impact on this world remains even beyond his tragic death,” said Deirdra Robinson, the social work program facilitator at MSU at Prestonsburg.

MSU at Prestonsburg provides educational and training opportunities for Floyd, Johnson, Magoffin, Martin, Pike and surrounding counties. MSU has had a presence in Prestonsburg and the surrounding area for more than 50 years. To learn more about MSU at Prestonsburg, visit [www.moreheadstate.edu/prestonsburg](http://www.moreheadstate.edu/prestonsburg) or call 606-783-5421.

Details about MSU’s social work program can be found by visiting [www.moreheadstate.edu/study/socialwork](http://www.moreheadstate.edu/study/socialwork) or by contacting the Department of Sociology, Social Work and Criminology at [d.murphy@moreheadstate.edu](mailto:d.murphy@moreheadstate.edu) or 606-783-2656.

For more information on this scholarship, or to establish your own, contact MSU’s Office of Alumni Relations and Development at 606-783-2033, email [giving@moreheadstate.edu](mailto:giving@moreheadstate.edu) or visit [alumni.moreheadstate.edu/give](http://alumni.moreheadstate.edu/give) to contribute today.

Photo, left to right: Deirdra Robinson, the social work program facilitator at MSU at Prestonsburg; Allison Hyden, scholarship winner; and Jessica Bailey and Greyson Bailey.

###

Morehead State University (MSU) is a comprehensive public university with robust undergraduate and graduate programs, emerging doctoral programs, and an emphasis on the region and beyond. MSU aspires to be the best public regional university in the South through prioritizing student success; outcomes; academic excellence; and rankings, reputation and regional responsiveness.