Restorations return Gerdin sculpture to original state

BY MORGAN LAVIOLETTE
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"Bravo III", a contemporary piece of art, underwent restoration in late September to bring back the piece’s charm and color. Bill Barrett, the creator of "Bravo III", is known for his contemporary-modernism-type work on sculptures. His piece was installed in front of the Gerdin Business Building on Iowa State's campus in 2007 and has not been renovated since its first placement.

Sydney Marshall, a curator of University Museums at Iowa State, said Barrett’s work was subjective and was chosen by an on-campus committee to be placed in front of Gerdin.

"Most of his work is very abstract," Marshall said. "It’s very flowing, there is movement. [...] He fabricated it all himself. It’s very impressive that he did it this way, that it’s all kind of pieces that he would've welded together and welded together [...] That’s a particular style."

The restoration process required three weeks of strenuous work on the piece of art. Before the project started, a team of professionals came in to assess the sculpture for what needed to be done.

"There was a clear coat on the structure," Marshall said. "And that is to protect it, but that was starting to fail. You could see lines of almost a chip in the middle of your nail polish [...] which leads to different discolorations. Part of the patina was kind of failing because of that. In general, it was kind of uneven throughout the entire sculpture."

To start restoring the artwork, the piece had to be stripped down to the patina, the original color on the surface of the sculpture.

"We basically stripped all that [clear coat] off with steam cleaning," Marshall said. "Then we put a chemical stripper on there and [left] it overnight. Then hopefully after two rounds of that, it’s off!"

After the chemical stripping, the crew worked on removing discolorations in the patina by evening out color throughout the entire artwork.

"You have to heat it so that the reaction happens more quickly," Marshall said. "Then it’s a chemical mist that then we [wipe] on with a cloth while its still really hot. [...] We did basically two full layers of the patina and then kind of spot treatments in the places that had worn off."

Once the chemical mixture was applied, the crew finished by polishing the sculpture. Marshall said where edges of the sculpture come to corners, polishing was done to make it have more of a shine as the original artist intended.

The restoration was completed Oct. 8. Since then, "Bravo III" stopped corroding, and it will no longer continue to deteriorate. Part of the ongoing conservation process is performing inspections once or twice a year to ensure the artwork is washed and waxed as needed.

For the first time, National Transfer Student Week will be observed Oct. 21 through Oct. 25 at Iowa State. Organized by the National Institute for the Study of Transfer Students, the week celebrates the students on campus who have transferred from other institutions.

There are many reasons students decide to transfer from one college to another. For Dominic Keeper, senior in graphic design, the decision to transfer to Iowa State from Iowa Lakes Community College will help him with his degree change.

"I have a degree in game development," Keeper said. "I kind of got that, looked into the market, and there wasn’t too much for it. I wanted to do something more [...] I decided design would be something I would want to go into, and Iowa State was one of the best design colleges for that."

When a student transfers to Iowa State, one of the biggest undertakings in the transferring process is making sure a student’s credits will transfer from their first institution to the next.

For some students, the transfer process is simple and completed with ease. This was the case for students like Annah Eden, a sophomore in elementary education.

"I thought transferring here was super easy," Eden said. "I was only at UNI [University of Northern Iowa] for one semester, but all of my classes transferred over and they made it really easy."

For other students like Matthew Kerul, senior in aerospace engineering, the process was a little more difficult. Coming from Kennesaw State University in Georgia, Kerul said he had a harder time coming from a farther distance.

No matter the situation, though, Iowa State faculty and staff arefigures according to Enrollment Services Office.
Harwood as she guides guests through the Farm House Museum and the exhibit “Timeless: Love and Romance in the Victorian Era.”

Retirement reception: Connie Harris, ISU Research Park Career Advancement, 1805 Col-loaboration Place at 3 p.m. Connie Harris, account clerk in the Pappajohn Center for Entrepreneur-ship, is retiring after 20 years of service.

Roundtable: Open Science, 198 Parks Library at 4 p.m. Are you interested in research reproduc-ibility, OA publishing, or data sharing? Campus experts will be on hand to answer your questions and discuss their work. Refreshments provided.

Specifications and the Written Labor of the Guastavino Company, Joseph A. Audun-er, 101 Design at 3:30 p.m. Jessica García Fritz, assistant professor of architecture at South Dakota State University, will discuss how the architectural specifications collected for the Guastavino Compa-ny reveal the impact of “the hands issued over time on the company’s role and the traditional timber vaulting construction system they crafted. Part of the Department of Architecture’s 2019-2020 Public Programs Series.

POLICE BLOTTER

10.21.19

Andrew Junior Brown, age 25, of 703 E Lincoln Way - Ames, Iowa, was arrested and charged with domestic assault at 4216 Lincoln Swing (reported at 1:42 a.m.).

CORRECTIONS

To submit a correction, please contact our editor at 515-294-5688 or via email at editor@iowastatedaily.com.
Students prepare for spring semester

BY LYDIA.SAMUELSON
ibowastatedaily.com

Midterms are coming to an end, but before students can sprint toward spring semester, they have to register for classes.

Iowa State students are scheduling appointments with their academic advisers to discuss their graduation plans and receive their Registration Access Numbers (RAN). Through the chaos of homework and checking the course catalogue, it can be difficult to know where to start.

The first step in registration is knowing when it opens. Students can look under the “Current Student Info” tab on AccessPlus to see their declared major, the name of their academic adviser and their registration start date.

“Your registration start date and time is set by a couple of different variables,” said Jennifer Owens, program director of the Liberal Arts and Sciences Administration. “But [it’s] mainly decided by how many credits [a student has] earned.”

Credits carried in from other institutions factor into this number as well, meaning registration start dates are not solely based on how many years a student has attended Iowa State but more so based on their actual classifications.

“Make every attempt to register on time on the day that your registration opens,” Owens said. “If you Students registering for the spring semester can pick out classes from the course catalogue, which can be found on Iowa State’s Courses and Programs website.

The course catalogue contains a list of all courses offered at Iowa State, along with the description and prerequisites attached to each, according to Owens.

Students can also utilize Iowa State’s schedule planner on Iowa State’s Schedule of Classes website. The schedule planner is a program for students to look at how certain classes work together within a schedule and view how many seats are available in the class at that time.

If students are wondering how to piece together classes into a broad plan, this plan includes the student’s goals for their college career and often extends beyond the path to a diploma, looking at what a student wants for their future career.

In addition to providing insight on class selection, academic advisers have the key for many students’ registration: the RAN. The RAN number can be obtained from an academic adviser and is required for a student to register for classes through AccessPlus. According to Owens, students in the College of Business do not need a RAN to register for classes but should try to meet with an adviser anyway.

“When [students] know when they are supposed to register, I recommend reaching out to their [academic] adviser at least a week before their [registration date] simply because [academic] adviser’s schedules at this time of year get really full, [they] want to make sure you have time to get in and see your [academic] adviser,” Owens said.

Once a student knows their registration date, compiling a list of classes, meets with their academic adviser and receives their RAN, they can register for next semester classes. This can be done by logging in to AccessPlus and selecting “Class Registration,” where they will be prompted to enter their RAN before proceeding to select classes.

“The final step is […] using the AccessPlus registration system,” Owens said. “That’s just making sure that you’re carefully checking your schedule after you created it to make sure it looks like what you thought you were adding.”

Owens and Cunningham said flexibility is key when registering for classes. Owens said it is possible classes a student wants to take will be filled by the time they register.

They said that in mid-January, she recommends students create a list of alternate classes to fill in for ones that may be unavailable.

“Registration also comes in a stressful time of the current semester for most students,” Owens said.

“I would encourage those students who are feeling really stressed out to definitely use the resources at Iowa State, including their [academic] adviser.”

Iowa State alumnus to speak on ‘smart cities’

BY LAUREN.RATLIFF
ibowastatedaily.com

So-called “smart cities” are cities that provide a high quality of life to their citizens, have a clean environment and implement innovative plans to better both the city and its residents.

Thomas Schenk, former chief data officer and director of analytics and performance management for the city of Chicago, will speak on the subject at 5 p.m. Tuesday in the Pioneer Room of the Memorial Union.

Schenk co-founded the Civic Analytics Network at Harvard University’s Ash Center for Democratic Governance and Innovation, according to the Iowa State lecture series website.

Schenk graduated from Drake University and then attended graduate school at Iowa State, receiving a master’s degree in economics.

According to the Iowa State Department of Economics website, Schenk said during his role in Chicago he used data to improve the quality of life for people in Chicago and worked to improve how efficiently the city operates.

“We also use data for predictive analytics,” Schenk said in an interview with the department of economics. “[W]e predict where rats are going to be in the city, which restaurant will fail food inspection and we actually shift our workers around to go to those places where we think are the most important topics. We can predict the E. coli levels at Chicago’s beaches using statistics.”

Schenk said that he had a lot of interests in school which had helped him get to where he is in life.

“I liked a lot of topics; I liked inquiry into a lot of things or I’d get bored by just one thing,” Schenk said to the department of economics.

“Economics fit that right depth,” Schenk said to the department of economics.

“Economics fit that right depth. If it was a Ph.D., probably would have been too deep, sort of on one thing and one particular topic, so it was about the right depth.”

Australian researcher to discuss advances on weed seed management

BY MOLLY.MILDEN
ibowastatedaily.com

The importance of weed seed control and machinery advances that help farmers in Australia will be discussed by Michael Walsh, director of weed research at the University of Sydney.

Walsh will present his research at 4:10 p.m. Tuesday at Horticulture Hall, room 18, with “The Importance of Harvest Weed Seed Control.”

Walsh started his research and development of machinery because weeds were becoming resistant to almost all chemical herbicides, according to Matthew Liebman, professor of agronomy.

“Seed becoming resistant to chemical herbicides is also becoming a prevalent problem in the United States.”

Walsh said the field is constantly looking for new ways to control weeds.

“With technologies students go to the lecture to get an interesting insight into what is happening in Australia.”

“I would encourage those students who are interested in non-chemical ways to control weeds, this would be a good lecture to participate in,” Liebman said.

Tuesday’s audience members can expect to get practical information about weed seed control and new things to develop this weed-seed-destroying technology and how it can be used in the United States in the future.
Inside Hixson-Lied Small Animal Hospital, a tall terra cotta statue of a veterinarian holding an injured puppy in large hands while the mother dog nuzzles his right leg.

"The Gentle Doctor," made by sculptor Christian Petersen 1937, is one of the most prominently displayed pieces of art at Iowa State’s College of Veterinary Medicine. Its name can be found on the Gentle Doctor Cafe at Vet Med and on the cover of the college’s magazine publication. Lea DeLong, guest curator at Iowa State, said Petersen was hired under the then Iowa State President Raymond M. Hughes by artist Grant Wood during the Great Depression.

Petersen was hired to bring an art component to the education of students in science and technology, DeLong said.

"Hughes felt it was very important in their education that they have exposure to art and artists," DeLong said. "Iowa State University now has the largest public art collection in the United States."

DeLong said following the completion of work on campus like "History of Dairying Murals," 1934, now found in the Food Sciences courtyard, Petersen began receiving commissions from Vet Med Dean Charles H. Stange. He received commissions for various projects, including the "The Veterinary Medicine Mural," 1935-1938, and "The Gentle Doctor."

"Ideally, [Petersen] would’ve loved to cast [The Gentle Doctor] in bronze, but that’s terribly expensive, and of course with the Great Depression it wasn’t an option," DeLong said. "Working with the ceramic engineers at Iowa State, he developed a way of using terra cotta and casting terra cotta — in pieces, in segments— to make the Gentle Doctor."

DeLong said you can see the seams of where the different pieces of terra cotta were joined together to create the final statue.

"This sculpture was never intended to be seen just on its own," DeLong said.

DeLong said the sculpture was originally placed in front of "The Veterinary Medicine Mural." A replica of "The Gentle Doctor" currently stands outside of "The Veterinary Medicine Mural" in one of the college’s older buildings.

"If you see ["The Veterinary Medicine Mural"], you see [... - veterinarians engaged working with animals and exerting strength and their control over animals," DeLong said. "For example, they’re obtaining body fluids from the animals, they’re conducting surgeries on the animals or they’re injecting animals."

DeLong said Petersen conveyed the purpose of "The Veterinary Medicine Mural" to highlight veterinary medicine as a science that can be used to benefit human health.

DeLong said she believes at some point Petersen decided to add to the mural and convey a different perspective of Veterinary Medicine. This addition became "The Gentle Doctor."

"[The Veterinary Medicine Mural] in the background shows veterinarians being very rigorous in their pursuit of scientific endeavor," DeLong said. "But [The Gentle Doctor] shows the everyday compassionate veterinarian who is sensitive to the feelings of animals."

David Gieseke is a communications manager in the veterinary medicine administration and an editor for Iowa State’s College of Veterinary Medicine alumni magazine. Gieseke uses the campaign "Gentle Doctors Everywhere" to connect veterinary medicine alumni from around the world.

"We do a lot of things with "The Gentle Doctor,"" Gieseke said. "Mainly because it is a symbol, not only of our college, but of veterinary medicine."

"The Gentle Doctor" name is sometimes used by alumni to name their clinics, and the college’s Stange Award recipients are given a small replica of the statue.

Former Senator John Melcher of Montana, who voted to disband the Department of Agriculture, said Petersen conveyed his discovery of the senator’s Iowa State University Vet Med alma mater helped give him the idea for the "Gentle Doctors Everywhere" feature.

"We were getting these stories, and we didn’t know what to do with them," Gieseke said. "[Melcher] was the first veterinarian elected to the U.S. Senate. He was one of those early senators — agriculture was part of his portfolio, and he had the idea to do this."

Transfer students are completing the correct coursework, but he said it is not the biggest struggle he sees with transfer students and the transfer process.

"Academics we can take care of (...)," Rice said. "I think transfer students have a lot harder time plugging into the other things that Iowa State has to offer because they are here for a much shorter time. Jumping in to how the benefits of the out-of-class experiences is sometimes a bigger challenge for transfer students because they don’t have as much time here."

In his first week at Iowa State, Keeper said he was able to meet many other transfer students thanks to the efforts of the college.

"The first year I was here, I went to [Destination Iowa State]," Keeper said. "They actually put us with other transfer students when I did that, so I met a lot of transfer students my first year."

Despite being primarily for freshmen, Destination Iowa State is also an opportunity for older students to meet each other, as it is their first semester at Iowa State as well.

Destination Iowa State is just one way transfer students can get involved with Iowa State. All students are encouraged to join the many clubs and organizations found around campus.

"There are many different clubs offered, Kelly Friesleben, the associate registrar of transfer pathways and student success, points out that of the 900+ clubs at Iowa State, there is no student-led organization for transfer students."

"Students created something to celebrate other students, I think that would be more meaningful," Friesleben said. A club or organization designed to connect transfer students would potentially benefit the more than 20% of Iowa State students that transfer from other colleges.

"Getting connected can be a little difficult," Kredl said. "Especially if you’re a little bit older than most of the other students. If you’re a transfer student like me, I had to take some of the entry level classes, so everyone is much younger than me."

Friesleben said she works closely with transfer students to help guide them to a successful experience here at Iowa State and was one of the organizers for the National Transfer Student Week celebration.

Friesleben said National Transfer Student Week is a way to recognize and celebrate Iowa State transfer students.

After attending conferences of the National Institute for the Study of Transfer Students, Friesleben said she wanted to have transfer student involvement at Iowa State in a bigger way than what has been done in the past.

On behalf of all staff that work with transfer students to help them through the process, Friesleben said she emphasized the staff’s commitment to make the transition for transfer students smooth and successful.
Guest columnist Walter Suza believes Americans need to address the issues surrounding world hunger experienced by children, including the stigma associated with food insecurity and the abundance of food waste in the U.S. Guest columnist Walter Suza believes Americans need to address the issues surrounding world hunger experienced by children, including the stigma associated with food insecurity and the abundance of food waste in the U.S. In Iowa and across the Midwest. The experiences for these young Americans will help shape their paths to leadership in the fight against hunger across America.

EDUCATING THE YOUTH

Youth are an asset; they represent the next generation of farmers, leaders and policy makers. Therefore, it is important to raise the awareness among the youth in America to help them appreciate that impact of hunger in their communities. In this regard, it is inspiring that organizations such as Future Farmers of America are involved in feeding the hungry in Iowa and across the Midwest. The experiences for these young Americans will help shape their paths to leadership in the fight against hunger across America.

AMERICA WASTES A LOT

We live in a country with abundant resources, however, according to the USDA, 115 million U.S. households experienced food insecurity at some point during the year. Unfortunately, the hungry in our midst are suffering while a lot of food goes to waste. There is a need to fight food insecurity by designing solutions to reduce food waste and redirecting the resources to feed the hungry in our communities.

POLITICAL WILL IS NEEDED

As John F. Kennedy stated, “The war against hunger is truly man’s kind’s war for liberation.” Therefore, we must join to advocate for more federal support to free our neighbors from hunger. Importantly, federal support should not be based on policies that result in consumption of fewer healthy foods and scaling back of support to hungry. Instead, we must march into our hearts and ponder the history of food assistance in America. Eighty years since the start of the Food Stamp Program, we realize that not enough has been done to help the hungry. Today, every community in America has experienced the ravages of hunger.

EDUCATING THE YOUTH

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RIGHT TO SUFFICIENT FOOD

Growing up in rural Tanzania, I experienced hunger frequently and it impressed the impact it had on my family and those with fewer resources than me. I can still remember how terrible it felt when I was hungry because hunger hurts, both physically and emotionally. This makes food a human right — so that all kids, at all times will have access to sufficient and nutritious food for a happy and active life.
Cyclones lack scoring touch

Iowa State fails to record first win of Big 12

BY NICK FLORES

Iowa State soccer failed to come away with a win this weekend as the Cyclones fell to Oklahoma and Oklahoma State 1-0 and 3-0 respectively. Following these losses, the Cyclones moved to 3-12 overall with still no wins in the Big 12.

FOUL TROUBLE FOR CYCLONES

Iowa State picked up a total of 19 fouls throughout the 90 minutes against Oklahoma State and four players managed to receive a yellow card as well.

The physicality in this game was at a high, as the mixture between frustration and playing physical led to an abundance of fouls and frustration and playing physical at a high, as the mixture between card as well.

Players managed to receive a yellow card against Oklahoma State and four 19 fouls throughout the 90 minutes as well.

The Cyclones committed these fouls, Oklahoma State did not take its foot off of the gas and continued to fire shots on goal.

The Cyclones battled throughout the entirety of the 90 minutes, but their fouling proved to be their downfall.

EARLY STRUGGLES

The Cyclones struggled within the opening minutes of each half, allowing Oklahoma State to score within the first 10 minutes of each half. Cowgirl sophomore Grace Yochum opened the scoring in the sixth minute and scored again one minute after the start of the second half.

“Once we settled in, it was a very even back and forth game,” said coach Tony Minatta. “But when you give that initial goal up at just puts more pressure on you. You can’t give those things up and that’s one thing we haven’t done in the last few games, so we need to make sure we’re tightening up our defense in the first 15 minutes.”

Although Iowa State didn’t start off the way they wanted to, after settling in, they competed up to par for at least the rest of the season. And you know what? I think both these teams will struggle within the conference throughout the season. /The defense stops big plays.

You know, Texas doesn’t seem so dangerous anymore. Not that this is news to all of you.

But all over Twitter, the joke was on Texas, who almost let bitter rival Oklahoma beat them twice. This doesn’t mean Texas is a bad program — the Longhorns just might not be as good as many thought at the beginning of the season.

Why am I writing so much about Texas, you ask? Because I think their predicted position as No. 2 in the Big 12 is in real danger. The Longhorns might already have been surprised — by two unlikely opponents.

And yes, I am talking about Iowa State and Baylor.

Baylor is flying under the radar no more, 7-0 and finishing games strong under coach Matt Rhule. Charlie Brewer, disaster second half against Texas Tech aside, has been one of the best quarterbacks in the conference throughout the season. The Bears are feisty on defense even without starting middle linebacker Clay Johnston — the team’s leading tackler who is out for the season.

The Bears also have been able to take advantage of their opportunities, capitalizing on turnovers to score two fourth-quarter touchdowns against Oklahoma State. They also proved their worth against fellow Big 12 contender Iowa State, taking a 20-0 lead before holding on for a 23-21 win on Sept. 28.

But what impressed me the most was their ability to create big plays in the Oklahoma State game. The Bears had five plays of 50-plus yards in just 54 snaps, an absurd number against an Oklahoma State defense that “theoretically” is built to limit big plays. I would probably favor Baylor over anyone in the conference besides Oklahoma at this point.

So where does this put the Cyclones? I think they’re firmly the third-best team in the league right now. The defense stays big plays and has the best defensive yards-per-play rate in the conference at 4.62. This isn’t surprising, because from the second year of Campbell’s tenure on, the Cyclones have been geared toward the defensive side of the ball with Jon Heacock’s “shell” 3-3-5 approach.

This year the surprise has been an offensive right up with the best in the league (although Oklahoma is still miles ahead of everyone else). The Cyclones are tied with Utah for the fewest three-and-outs in the country with five, and the recent emergence of Breece Hall has led to a balanced, cutthroat attack. Purdy hardly put a foot wrong in the games against West Virginia and Texas Tech — had pick in the Tech game aside — and advanced metrics have the Cyclones near the top of the division in nearly every offensive category (most of them from the stats GOAT Bill Connelly).

Matt Campbell has his best team yet, and the Cyclones seem to be getting stronger as their October winning streak continues. But both of these teams are still yet to play the traditional powers of Texas and Oklahoma. Iowa State plays the Sooners on the road Nov. 9 then hosts Texas Nov. 16, while Baylor goes up against the Sooners Nov. 16 and Texas Nov. 23. Any series will settle the debate for at least the rest of the season. And you know what? I think both these teams will take down the Horns.
Madison Tuttle, Iowa State alumna, and other contributors to NASA's interactive broadcast receive an Emmy award in the Outstanding Interactive Program category for their achievements.

Madison Tuttle left Iowa State with a diploma in her hands in 2018. In 2019, rather than a diploma, Tuttle had an Emmy award in her hands.

Post-graduation, Tuttle moved to Florida to work as a public affairs specialist at NASA's Kennedy Space Center. The Emmy was awarded for her work on the Demonstration Mission 1 (Demo-1) broadcast.

While at Iowa State, Tuttle majored in public relations and minored in English. She was undecided for her freshman and sophomore years before declaring public relations.

Tuttle was a member of Alpha Chi Omega. She participated in music programs like concert band and the jazz program during different years at Iowa State. She held multiple internships and worked for the Iowa State Daily, all opportunities that have assisted her in finding her path to NASA.

Tuttle was a reporter, copy editor and engagement coordinator for the Iowa State Daily, which helped her realize what area of study she wanted to pursue.

“I realized that I really liked the PR side of things,” Tuttle said. “I liked more of the business aspect.”

As a senior, Tuttle was accepted into the Pathways Internship Program through USA Jobs, a program and website where all federal jobs are listed. Internship hours and other requirements must be completed before graduation.

At graduation it is determined whether interns will be promoted to a full-time position. Tuttle worked in the public affairs department at the Johnson Space Center in Houston, Texas. This was Tuttle's stepping stone to NASA.

“I would say I was definitely a kid who dreamed of being an astronaut,” Tuttle said. “Astronaut Peggy Weinstein was actually from Iowa, and she was like my childhood hero.”

Post-graduation, Tuttle continued to work with NASA. She currently works in the public affairs office at the Kennedy Space Station in Florida as the social media lead, meaning she is in charge of every Kennedy social account. Her job is to take complex, scientific information and translate it to a general audience.

“The cool thing about NASA is that NASA needs people from all backgrounds,” Tuttle said. “So I happened to find a public affairs internship that was actually at the Johnson Space Center in Texas. That’s kind of how I got my feet in the door at NASA.”

Tuttle’s coverage includes the Commercial Crew Program, which works with American aerospace industry companies to develop and operate a new generation of spacecraft and launch systems. The goal is to create systems that are capable of carrying crews to low-Earth orbit and the International Space Station, according to NASA's website.

“Essentially, we are partnered with commercial companies to develop and fly space crafts with our astronauts on board,” Tuttle said.

Boeing and SpaceX were the companies that worked with NASA through the Commercial Crew Program to create Demo-1. The test mission is completed without a crew and is required — among other tests — by NASA to become human-rated.

In March of 2019, Demo-1 launched, making it the first spacecraft to leave American soil since 2011. NASA provided coverage of the prelaunch and launch for the SpaceX Demo Mission 1 flight test. Johnson Space Center, SpaceX and NASA headquarters worked together to provide the interactive coverage of the launch. It featured online elements as well as live video of the launch.

“Essentially, that interactive broadcast is what we put forth to the Emmys,” Tuttle said. “The broadcast stood out in the Outstanding Interactive Program category, going against five late night talk shows.

Late night shows “Conan,” “Last Week Tonight with John Oliver,” “The Daily Show with Trevor Noah,” “The Late Late Show with James Corden” and “The Late Show with Stephen Colbert” were other nominees, making the NASA and SpaceX NASA the only one of its kind in the category.

“It was such an honor to even be nominated,” Tuttle said. “I think we were all just so happy and grateful for the opportunity to go up on that stage and accept the award.”

On Sept. 14, the NASA and SpaceX Interactive Demo took home the award, making it the first of two Emmy Awards the organization has. NASA won a second Emmy that same weekend for work done by the Jet Propulsion Laboratory and their coverage on NASA’s InSight mission to Mars.

“We very much believe what we’re doing here is important,” Tuttle said. “We’re very glad that the country, and the world, is paying attention to our efforts.”

Tuttle’s work with NASA aims to tell the return to the human spaceflight story. She said her time at Iowa State prepared her for her vigorous and successful work.

“My number one word of advice is not to be afraid to say yes,” Tuttle said. “If I saw an opportunity that interested me, I said yes. Because you know, the worst thing that could happen is that I’m doing something that’s not enjoyable for a couple hours. I took every opportunity when something came at me. I was going to get some sort of learning experience out of it.”
I love to climb. This past winter I was the climb leader on a winter ascent of Mt Rainier in Washington. The elevation of Mt. Rainier is 14,411 and it is the most heavily glaciated peak in the Lower 48 States. On the day we did our push to the summit, we were up at midnight. After a breakfast of Grapenuts hydrated with hot Earl Grey tea, we roped up and left our snow caves in two four-person rope teams with headlamps, ice axes, and crampons. It was 5º, calm and the Milky Way looked like it was painted across the sky. 4,000 vertical feet later at the summit, it was -20º with 70 mph wind.

Mountaineering requires a ton of route planning, gear planning, "what if" planning, training, and teamwork. The climb was successful, no one got hurt, and I ensured everyone had a opportunity to lead multiple pitches of the climb. Our next climb will be one of the peaks in the Andes of South America.

Notice how my answer demonstrates leadership, management, planning, attention to detail, managing risk, team work, and respect. This, in addition to being a story that is interesting, differentiating, and memorable.

Jim Fay is an Iowa State chemical engineer. He worked for Monsanto, Procter & Gamble, American Can, and Kimberly-Clark before becoming a serial entrepreneur and consultant. He teaches "Entrepreneurial Product Development Engineering," which he describes as a "bilaffen" — 10 lbs of learning packed into a 5 lb bag.