



IOWA STATE DAILY

Wednesday, July 23, 2014

Volume 209 | Number 159

# Soaking up the Sun

ISU solar car  
competes in  
road race

**SOLAR CAR** p8>>





# Week's Worth

Last week's newsworthy stories

### Preseason All-Big 12 team

Senior tight end E.J. Bibbs was selected to the preseason All-Big 12 first team July 16. Bibbs, the only ISU athlete named to the team, had 39 catches for 462 yards and two touchdowns last season. Earlier in the summer, he was named to the Mackey Award watch list, which is given annually to the nation's best tight end.

### NJCAA national champion

On July 21, Levi Fink, a native of Wadena, Iowa, said he will join the ISU men's golf team. Fink won the 2014 NJCAA D-II national championship while at North Iowa Area Community College with scores of 77-68-72-70.

### Denied waiver

The NCAA denied ISU junior Jameel McKay's waiver request to be eligible for the beginning of the 2014-15 basketball season. McKay, a two-time All-American at Indian Hills Community College, transferred from Marquette without ever playing a game.

### Doak Walker award watch list

Aaron Wimberly, a senior running back, was named to the Doak Walker watch list, an award given annually to the nation's best running back. Wimberly led the team with 567 rushing yards. Wimberly was previously named to the Paul Hornung watch list.

### Technology needs assessment

MindWires Consulting released a needs assessment of the technology on campus. Its report listed concerns, such as the 10-minute class changeover not being enough time for instructors to set up technology systems. For more findings from the technology needs assessment, check [iowastatedaily.com](http://iowastatedaily.com).

### Online produce

Students from the Horticulture Research Center have developed a website to sell the produce they grow at the Horticulture Farm directly to students. To find out how they came up with the idea to sell what they grow online, go to [iowastatedaily.com](http://iowastatedaily.com).

### Iowa Supreme Court ruling

The Iowa Supreme Court ordered Iowa State to pay former employee Dennis Smith \$650,000. Check [iowastatedaily.com](http://iowastatedaily.com) for details of the case.

### CVS Pharmacy

A CVS Pharmacy store will move into the space formerly occupied by Charlie Yoke's once construction of the new Kingland Systems property is finished. Check [iowastatedaily.com](http://iowastatedaily.com) for details.

# Week's Watch

Things to look for this week

### Iowa Games

The final weekend of the Iowa Games begins this weekend, July 25 to 27. On the slate for the end of the games are sports such as flag football, figure skating, diving, cycling, volleyball and others. For photos of the events, check back at [iowastatedaily.com](http://iowastatedaily.com).

### World Congress of Ag Students

Iowa State is hosting the 57th World Congress of the International Association of Students in Agricultural and Related Sciences. The event will take place through July 28 and will bring 60 students from 20 different countries to Ames. The focus of the conference will be on longterm sustainability, technologies and innovations.

### Monica Vernon

Monica Vernon, the democratic lieutenant governor candidate and Jack Hatch's running mate, is scheduled to visit Ames on July 26. Vernon will speak at fundraiser for State Senator Herman Quirmbach. The event will start at 5:30 p.m. at Campus Episcopal Church.

### Homeless Veterans Stand Down

Numerous local organizations and university departments are hosting the second annual Homeless Veterans Stand Down. The event will provide food, clothing and other services to anyone who is homeless or at risk of being homeless. It will take place from 9 a.m. to 3 p.m. at Brookeside Park's Maple Lodge.

### Ribbon cutting

A ribbon-cutting ceremony for the city of Ames' new UV Disinfection System is scheduled for July 24 at 1 p.m. at the Ames Water Pollution Control Facility. The new system will use ultraviolet rays to allow liquid waste leaving the facility to meet new bacteria standards. The ribbon-cutting ceremony will include a welcome by Ames mayor Ann Campbell.

### Efficiency review

Deloitte, a consulting company conducting the regent universities' efficiency review, returned to Iowa State on July 21. The organization will be in Ames all week conducting phase two of its project. Deloitte is working on cost-benefit analyses in areas it identified with potential for efficiency savings.

### Ames stop

The American Solar Car Challenge will stop in Ames on July 26 in the parking lot of Hilton Coliseum. The solar car teams, including Iowa State's Team PrISUm, are scheduled to stop around 3 or 4 p.m. The checkpoint is open to the public.

**General information:**

The Iowa State Daily is an independent student newspaper established in 1890 and written, edited, and sold by students.

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**Fall & Spring sessions:**

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**Summer sessions:**

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PERIODICALS POSTAGE

Faces of Iowa State



Samantha Troe

Sophomore in accounting

What is your favorite spot on campus and why?

“My favorite spot on campus is probably Central Campus on the grass because you get to do a lot of stuff and see a lot of people around.”



Samara West

Sophomore in child, adult and family services

If you could choose to be a superhero, who would it be and why?

“Maybe Elastic Woman, because then I wouldn’t have to get up to get anything. I could just stretch and get it.”



Haley Pederson

Junior in psychology

What type of psychology are you planning on going into?

“I’m going to law school. One class I would suggest for any future psych major, even criminal justice majors, is psychology and law taught by Doctor [Stephanie] Madon on campus.”

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A portrait of Patrick Lamar, a young man with red hair, wearing a blue t-shirt and a backpack. He is smiling. The background is a blurred outdoor setting with greenery. A vertical credit line on the right reads "Jonathan Lacznia/Iowa State Daily".

Patrick Lamar

Freshman in pre-business

What is your biggest fear?

“Not being able to live up to the standards of modern society. In college, people expect you to get a good job. What if I can’t? What will people think of me? I’m going to school to get a job, not an education.”

A portrait of Miles Harris, a young man with dark hair, wearing a grey t-shirt and a backpack. He is smiling. The background is a blurred outdoor setting with greenery. A vertical credit line on the right reads "Jonathan Lacznia/Iowa State Daily".

Miles Harris

Freshman in pre-business

How long have you been skating?

“For a long time. Since I was 8.”

What’s the coolest trick you have landed?

“I did a tre flip one time.”



# One-on-One

## with Tim VanLoo

By Blake.Lanser  
@iowastatedaily.com

Tim VanLoo, the current manager of turf and grounds for the ISU athletic department, has been with Iowa State for five seasons since 2010. He oversees the maintenance and repair of all practice and competition fields.

### Could you describe your job?

So my job is to manage all the athletic fields plus surrounding landscapes and surrounding green space of all of our complexes; we have the cross country course, Cyclone Sports Complex, Jack Trice Stadium, Johnny Majors practice field and then we have Field of Dreams practice fields across the street — so about 75 acres of turf and landscape areas.

### Any areas that you tell are interesting facts about your job?

A lot of people don't realize that this is a profession. We have eight students that work for me currently — well six in the summer and we'll bump up to eight or nine in the fall and spring. And they're all turf grass majors with an emphasis in sports field. They fully realize the emphasis and potential for a career, but there are a lot of people that just don't understand that there is a person who is a professional who has been educated and that takes care of the athletic fields, so it's

one of those things where people just don't think about it a lot. We're at all levels — high schools, municipals, rec and all the way up to professional levels. There's a group, sports fields management association that I'm a part of that's nationwide that helps us to get that education and kind of stuff. It's a profession, there's programs in a lot of major universities that cater to it, Iowa State being one of them.

### When you came to Iowa State, who did you start out working with?

Who hired me was Mike Andresen, who held this position before me. He got hired and moved up into administration, so he kind of hired his own replacement. I knew Mike through our national organization. I was already the head manager at Northwestern University. That's where I went right after graduate school, so I had been there for three years and had been talking to Mike and interviewing, so he decided, offered me the position and my wife and I decided that it was a good choice. Since being here I've tried to insert myself into the turf program, so I teach irrigation classes every other fall for Iowa State,

so the turf professors have been very welcoming, and then having a guy like Mike being my boss and mentor has worked out very well.

### Do you foresee yourself ever leaving Iowa State to pursue higher than university field management?

So for me career-wise, when I was going through graduate school, I wanted to be a major university field manager. I accomplished that right out of college with Northwestern. When I came here, it was more of a family decision. The reality of it is I'm not really looking to go anywhere. We like it here. There is a variety of things



Blake Lanser/  
Iowa State Daily  
**Time VanLoo manages 75 acres of turf and landscape for Iowa State. He became interested in turf management while he attend high school in Michigan.**

that keep it busy and I like it that we are probably going to be the only ones that have a fully irrigated cross country course. We have a chance to do something that other places don't. So I'm not necessarily looking, but you can never rule anything out.

### Has there been any funny stories that have stuck out to you?

We have all students, so a lot of times you learn

from mistakes. So there's things that happen that shouldn't happen that happen and maybe there's a new guy on a tractor and he didn't realize how fast the air fire dropped and all of a sudden you've got aerified concrete. So there different things like that that happen all the time, but I can't see there's one in particular that was really funny.

### What's a typical pregame field prep?

So a lot of the preparation is this time of the year. And right now it's really just trying to get the field to peak in readiness. So we've spent a lot of time cultivating so the soil is going to drain correctly in the fall. Actually, game weeks are the most labor-intensive things we do on the field. It takes us about 55 hours of manpower to paint the field with about 160 to 175 gallons of paint. So painting is a very costly and labor-intensive thing to do to the field. Fortunately, we only have to do it seven or eight times to the field, but that is the biggest thing is finding a labor of time for a couple of days. We usually can do it Wednesday [and] Thursday [or] Thursday [and] Friday before a Saturday game. If you have in climate weather, then

that can become a little bit of a challenge finding the right time or if you have a snow fall like last year, that was a lot of time to get the field cleared, painted and ready for a game.

### Do you foresee Jack Trice ever becoming an artificial field?

It would be a terrible tragedy. Financially it would not make sense for the amount of money that we spend on this, it just would never make sense for the amount of events we have. Coach Rhoads and I have a good working relationship, he really likes natural grass. I don't see it being an issue. I also see it as my job to never give them an excuse to go that way. If I'm doing my job correctly, my guys are doing their jobs correctly, the field always looks good, plays consistent, then I don't ever see a reason to go down that road. The reality of it is, I don't see it happening. With this being an agricultural school and having one of the top turf grass programs in the country, there's other things that play into that. I actually think artificial turf will go back the other way and more stadiums will go back to natural turf. The players like it, surveys show. With concussions and those sort of things, this field is going to be half as hard as what an artificial surface would be. As long as we are doing our job right, I don't think that will be down the road.



## 150 Years of Ames

# Octagonal house gives name to art center

**Editor's note:** In celebration of the 150th anniversary of our city, the Daily will highlight prominent figures, places and events in Ames' history each week.

By Will.Fowler  
@iowastatedaily.com

The doors of a minuscule 100-year-old house reopened on January 23, 1966, with a new purpose.

The Ames Society for the Arts needed a place to teach and exhibit art to the community, so they placed the Octagon Center for the Arts inside the home. On

that Sunday afternoon, 700 people gathered at the dilapidated, asbestos-covered home for the opening, according to the center's website.

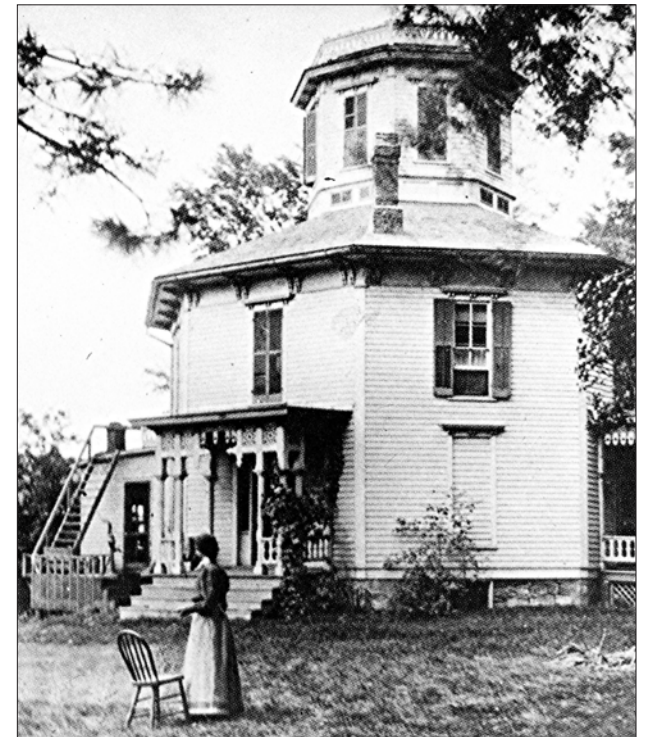
The house itself — built after the Civil War by a physician and amateur astronomer named Dr. S.J.

Starr — was one of only nine octagonal houses built in Iowa. Octagonal houses, though more efficient in heating and lighting, never became popular in the Midwest.

For his observatory, Dr. Starr built a cupola on the top of his house. Standing alone on the prairie, it was one of the first houses built around Ames in 1865, according to a Des Moines Register article from 1966. He had a successful medical practice and was well-respected around Ames. Starr retired young and didn't leave the house until 1900.

By 1965, it was a student apartment. One day, three women arrived at the house and began peering in windows and knocking on the door. The students, concerned, came downstairs.

The women were looking to set up the Society for the Arts in their



Courtesy of Octagon Center for the Arts  
**The Octagon Center for the Arts began in a 100-year-old house that was one of nine octagonal houses in Iowa. Though the house no longer stands, its name continues on Main Street.**

house, which was perfect for its needs. The society women bought the house and opened the Octagon Center for the Arts that winter.

Though the old cupola had been torn down and the prairie was long gone, Starr's old octagonal house influenced the Society for the Arts. It moved out in 1968 because the original house was much too small.

After leaving the original building, the Octagon Center for the Arts found itself in the second story of a Main Street business, according to the Ames Historical Society. It moved again in 1973 to the basement and first two floors of the Masonic building.

The Freemasons left the third floor of the building in 1978 and in 1980, the Octagon spent

\$200,000 on renovations and remodeling.

The Octagon Center for the Arts is still there and still named for the little building that rose from the prairie, built to "satisfy the astronomical whim of Dr. Starr," according to "Iowa: A Guide to the Hawkeye State."

The little building, however, was burned down in 1982 by the Iowa State Fire School for practice in fire-fighting.

Today, the Octagon Center for the Arts serves more than 30,000 people annually, according to its website. The organization educates the Ames community about art through classes, outreach programs, exhibits and special events, including an art festival every year in September in downtown Ames.

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## Editorial



Iowa State Daily  
ISU facilities will likely be near or above capacity with the fall 2014 enrollment.

# Enrollment increase puts pressure on university

In recent years, enrollment at Iowa State has increased dramatically. This year doesn't look like it is going to be any different.

In the last five years we have had record enrollment. This looks great for the university, but there are smaller issues that will be affected by the increased student population that tend to go unnoticed.

Classroom structure may have to be redone. For example, lecture halls were often packed with 300 to 400 students in the 2011-12 school year. Three years later, the classes are even bigger. Iowa State simply does not have large enough lecture halls to offer lectures to 500 to 600 students at a time. Iowa State also does not have enough teachers to add new sections. We are going to have to do some more building or hiring, and more professors and advisers are going to have to take on a heavier schedule.

Just walking to class with the disarray of stu-

dents can become frustrating. At the beginning of the semester, nearly all of the students enrolled in classes are walking to class. This number usually dwindles out as the school year progresses, but for the first couple of weeks, just simply being able to walk on your own side of the sidewalk can be difficult. But if you think the sidewalks are going to be bad, CyRide will not be much better.

CyRide has riders all year, but in the first few weeks of school when the weather is still really hot and then again when the temperatures drop to below freezing in the winter, the number tends to be higher. In some cases, multiple buses will have to pass a certain stop without letting anyone on the bus simply because there is not enough room for the excess amount of students.

Housing is always a struggle for students, but it is even harder when the housing options are fill-

ing up so quickly. Because dorm rooms are so full, the university is now putting students in temporary housing. Many of these students live in the dens of the dorm floors for a semester before they can find a dorm room opening.

Since the residence halls are filling up with freshmen, the number of upperclassmen staying in dorms is smaller. Last year, the university even offered non-freshmen up to \$1,000 to switch from dorms to university apartments to make room for the large freshman class that wanted to stay in dorms.

Another place that has been overlooked for housing is the greek community. Many of the houses that were having trouble meeting house capacity before are near capacity or have reached it. Houses are filling up faster than in previous years and it's a great accomplishment for the greek community, but it also is another representation of the large numbers

of students on campus.

We are proud of our university and its increasing popularity. It is exciting to see that the university is taking actions to counteract this growing demand as well.

With the addition of new classrooms from the Biorenewable Research Laboratory, the university expects to cope with the increasing demand for additional sections.

Although enrollment has become an issue, there are still many valuable solutions. Perhaps having more lectures will help with having smaller lectures. In the case of housing, the university plans to have more housing options for students by building new places or renting new buildings to house students.

The Department of Residence has been floating ideas to build a new dormitory next to Buchanan Hall to accommodate the needs of incoming freshmen. Also,

ISU Dining has been taking actions and is currently renovating Union Drive Marketplace to expand the dining options available for the students.

Even though CyRide has been operating at its maximum capacity with additional services during peak hours, the university has been working with the Government of Student Body on BikeShare programs and skateboard racks to ease the situation.

CyRide has purchased bigger buses to help with the issue, but because of the expense it may be a little while before it can purchase more.

Don't lose motivation in the first few weeks of school. The boost in enrollment may take some getting used to, but it should be something we embrace and are proud of. We just have to be patient while the university is solving the issue.

### Editorial Board

**Maddy Arnold**, editor in chief  
**Katie Titus**, opinion editor  
**Raghul Ethiraj**, columnist

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Letters must include the name(s), phone number(s), majors and/or group affiliation(s) and year in school of the author(s).  
Phone numbers and addresses will not be published.

Online feedback may be used if first and last name, major and year in school are included in the post. Feedback posted online is eligible for print in the Iowa State Daily.



## Letter to the Editor

# Unconstitutional speech laws cost taxpayers money

**Kenneth Currie received his Bachelor of Science in political science in 1969.**

As an alumnus of Iowa State, I am gratified to learn that Iowa State's speech code is being challenged by the Foundation for Individual Rights in Education.

However, I was distressed to learn that ISU had such a code in the first place.

As the foundation has

repeatedly pointed out, such codes consistently have been ruled unconstitutional by the federal courts.

The college will lose this one — it doesn't stand a chance. It needs to throw in the towel now rather than costing Iowa taxpayers and donors to the university the cost of a court fight.

Until Iowa State does repeal its speech code, it need not bother this graduate with appeals for money.



Sara Madison/Iowa State Daily

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# Conquering Challenges

By Kelby.Wingert  
@iowastatedaily.com

In August 2012, a group of students began planning for an event that wouldn't happen until July 2014. It was just weeks after the Team PRISUM solar car Hyperion placed second in the American Solar Challenge cross country road race that the team began thinking about their next ASC race.

"As people came back to school and people started coming to meetings again, we knew we were building another car already," said Logan Scott, recent ISU graduate in computer engineering and the project director for the team.

The team spent the next two years planning, designing and building its next solar car, which would later be named Phaeton after the son of the Greek sun god Helios. During the last months of the project, all of the table surfaces in the team's garage in Sweeney Hall were covered in a mixture of wrenches, screws, McDonald's coffee cups and pop cans.

Scott said somewhere between 50 to 100 students work on the project throughout the entire process.

"A lot of people come and go," Scott said. At the end, they have somewhere around 20 people for the race.



# Team PRISUM's two-year journey culminates in eight-day race

The planning of the solar car begins with the team trying to complete an entire mechanical and electrical design.

"We use a lot of CAD software to lay out the schematics and to lay out the [circuit] boards," Scott said.

The team uses a CAD software called Autodesk Inventor to lay out the geometry of the design and to create models for the parts of the car. It also uses software to check how aerodynamic the body is.

"It's sort of just trying to sprint as fast as we can getting the body and the frame designed," Scott said. "But sometimes we have to go back and modify things to make it work."

The car's frame is made out of a carbon fiber and aluminum. Other materials were used as well, such as a foam play mat for the seat and a plastic sandwich box to enclose one of the circuit boards.

Team members spent most of the summer — up until they left July 12 for Austin, Texas — putting the car together in their garage in Sweeney Hall.

"In the end, when you're finally putting it together, then you kind of have to put your special touch to get it to work and actually put together," Scott said.

The building process

wasn't completely finished before they left, but they were able to complete the car's mechanical and electrical programming in Texas.

To name the solar cars, Team PrISUM uses an online polling system among the team members to vote on potential names. Scott said that recently, there have been two themes behind the names of the cars.

"Either names that end in -ON, like Hyperion or Anthelion," Scott said, naming the previous two cars. "That's one reason Phaeton was chosen."

The second theme behind the names is naming the cars after Greek gods or Roman mythos.

The team has had technical challenges, organizational challenges and money challenges. Scott even joked about "personal suffering challenges."

"We designed our steering rack upside down so when you steered left, the car would turn right," Scott said. That problem has since been fixed.

Team PrISUM races a new solar car every other year.

"We've been able to build a new car for each ASC and have it qualify each year," said team treasurer Rachel Hoke, junior in electrical engineering. "So it's kind of a little bit of pressure to

have that done again."

To qualify for the road race, the car must pass a series of inspections and tests called scrutineering. Once the car passes scrutineering, each driver must complete a minimum number of laps during the Formula Sun Grand Prix to qualify for the road race. This is to ensure the safety of the cars and drivers.

Team PrISUM had some problems in the beginning with passing the scrutineering, but they eventually passed everything on the fourth day, which was the end of the first day of the grand prix. Instead of having three days to qualify, the team only had two. On July 19, the team had all four drivers and the car qualify for the road race through the third day of grand prix.

During the road race, which goes from Austin, Texas, to Minneapolis, Minn., the car will have a rotation of four drivers: ISU students Ryan Hupp, Dakota Morgan, Daniel Goldman and Todd Wegter.

Hupp, a senior in aerospace engineering, drove Hyperion at the 2013 Formula Sun Grand Prix in Austin. This year, driving Phaeton, will be his first road race.

Despite the race taking place in late July every other year, the solar cars do not have air conditioning. It can get pretty

hot in the cars.

"You get used to it after a while," Hupp said. "You just kind of focus on the driving."

The cars are required to have ventilation for the drivers. Team PrISUM also gives its drivers two liters of water and a cooling fan, Scott said.

"It's sort of like being in a hot car for a long period of time," Scott said.

The drivers can only drive a maximum of six hours a day and the total drive time each day is eight hours. Scott said they will switch drivers somewhere around the six-hour mark and the other driver will continue for the last two hours of the driving day.

The rest of the team travels in a fleet of three vehicles. The team rent-

ed two one-ton pickup trucks and a 15 passenger van from the university. One of the trucks is a lead vehicle, which will alert the driver of the solar car of any issues like potholes.

Directly behind the solar car is what is called the chase car. In accordance with road licensing rules, the chase car must always be directly behind the solar car, because the solar car is categorized as an "experimental vehicle."

The third vehicle will drive somewhere behind the chase car. All four vehicles communicate using two-way radios.

At the end of racing each day, the team must impound its car batteries. Hoke said this is because sometimes it's possible

to charge the batteries off of an outlet instead of using the solar array to charge with the sun. The impounding is "just to make sure each team has the same charging time for the beginning and the end of the day," she said.

The race will take each team through Texas, Oklahoma, Kansas, Nebraska, Iowa, Wisconsin and Minnesota. The race will come through Ames on July 26 for a checkpoint stop. Scott said the cars will probably arrive at the stop in the Hilton Coliseum parking lot around 3 p.m. or 4 p.m.

Phaeton is the 12th solar car the club has made since its first in 1989, which was named PrISUM and is the team's namesake.



Kelby Wingert/Iowa State Daily  
Danny Goldman, left, and Ryan Hupp, center, seniors in aerospace engineering, and Jonathan Bauer, graduate in mechanical engineering, work on Phaeton on June 28 in Sweeney Hall.



# Big 12 Media Days

## Rhoads looks to 2014, comments on player safety

By Beau Berkley  
@iowastatedaily.com

The 2013 football season ended well for Iowa State, as it finished on a two-game win streak against Kansas and West Virginia after losing seven straight games in the Big 12.

In 12 days, a new season will start for the ISU football program, with a little bit of emphasis on the new.

In the off-season, coach Paul Rhoads brought in six new coaches, including Mark Mangino, who most notably led Kansas to an Orange Bowl victory in 2007.

"I reached out to him and certainly had great respect for what he's done in our profession," Rhoads said July 22 at Big 12 Media Days.

After leaving Kansas in 2009, Mangino worked as an assistant at Youngstown

State, his alma mater.

"I also know that he was anxious to get back to this level," Rhoads said. "He wasn't just going to jump back in at any job. He saw an opportunity for success at our place."

Joining Mangino as a first year ISU athlete is incoming freshman wide receiver Allen Lazard. Lazard, an Urbandale, Iowa, native, was ranked as the No. 47 prospect in the 2014 class by Rivals.

com.

As a high school senior, Lazard impressed the scouts by catching 46 passes for 1,065 yards and 16 touchdowns. Rhoads said that Lazard has continued to impress this summer.

"He came in and did a great job with our summer weight program this year, maybe even above our expectations as a coaching staff," Rhoads said. "He's going to get his reps, he's

going to get his opportunities to catch balls."

Players like tight end E.J. Bibbs, running back Aaron Wimberly and center Tom Farniok will serve as anchors on an experienced offense.

Farniok will look to lead an offensive line that cycled through 10 different starters last season, while Bibbs and Wimberly will act as weapons for whichever quarterback Rhoads decides to play, a

decision Rhoads said he hopes to make by Aug. 16, if not before.

For Bibbs, who was 13th in the nation last season in catches with 39, the offseason has been exciting one.

The junior college transfer was named to the Mackey Award watch list and was a preseason first team All-Big 12 selection.

"It's an honor," Bibbs said. "I really appreciate all of the awards and I can't



Iowa State Daily



wait for the season coming up."

### Safety First

On July 7, the NCAA released new guidelines for concussion safety, which include limiting the number of full-contact football practices.

The guidelines call for four live contact practices per week in the preseason, with a maximum of 12 practices. During the season and postseason, the guidelines call for no more than two live practices per week.

At Big 12 Media Days on July 21 and 22, coaches throughout the conference fielded questions about player safety and limiting contact.

"I'm certainly in favor of anything that aids in player safety and the re-

search and everything that goes behind that," Rhoads said.

Gary Patterson, head coach at Texas Christian, said that most coaches already follow the sort of guidelines that the NCAA is suggesting.

"I think there's a lot of us already doing it the right way anyhow," Patterson said. "I think coaches want to protect their players. It's as simple as that. You've got to get your best players to Saturdays, so I don't think media or a lot of people give us enough credit for what we do try to accomplish to protect our young people."

The safety guidelines are not rules. Rather, they are recommendations to reduce concussions and other injuries.

Currently, the Ivy

League and Pac-12 are the only two conferences with rules where live hitting and contact is concerned.

A point of concern among some coaches like Rhoads and Kansas coach Charlie Weis is what role limiting contact will play in developing younger players.

"I don't think anyone pounds their guys that play all the time every week all the time. I don't think that happens with anybody," Weis said. "I think that the only gray area that is going to come into the fact that how do you get your young guys prepared to play if they're not getting any of the real reps when you're getting ready to play your game."

## Preseason honors at ISU

Below is a list of award watch lists and preseason honors that ISU football players have been named to this summer:

- All-Big 12: E.J. Bibbs, first team
- Doak Walker watch list — best running back: Aaron Wimberly
- Mackey watch list — best tight end: Bibbs
- Paul Hornung watch list — most versatile: Wimberly
- Rimington watch list — best center: Tom Farniok

## First female official in Big 12

On July 21, Big 12 Commissioner Bob Bowlsby announced that for the first time in conference history, a female official will call a Big 12 game.

Catherine "Cat" Conti will referee Kansas' non-conference game against Southeast Missouri on Sept. 6.

"She is not there because she is a female," Bowlsby said. "She is there because she's paid her dues and because she is a really outstanding football official."

Kansas coach Charlie Weis said that he does not anticipate any change in the game or how he coaches.

However, he did note that he will need to make a few personal adjustments.

"I'll try to watch my language," Weis said. "I believe in the old-fashioned way, so I'll try not to use as many bad words ... It's great that a woman is put in a position where she can be put on equal footing with the men."

## NCAA practice guidelines on contact practices

The following are guidelines released by the NCAA to limit the amount of contact during football practices, according to NCAA.com.

Currently, the NCAA has no rules limiting the amount of contact during practices.

Preseason practices: For days in which institutions schedule a two-a-day practice, live contact practices are only allowed in one practice. A maximum of four live contact practices may occur in any given week, and

a maximum of 12 total may occur in preseason. Only three practices or scrimmages would allow for live contact in greater than 50 percent of the practice schedule.

Inseason Practices: Inseason is defined as the period between six days prior to the first regular-season game and the final regular-season game or conference championship game for participating institutions. There may be no more than two live contact practices per week.

Bowl Season Practices: There may be no more than two live contact practices per week.

Spring Practices: Of the 15 allowable sessions that may occur during the spring practice season, eight practices may involve live contact; three of these live contact practices may include greater than 50 percent live contact, which would include scrimmages. Live contact practices are limited to two in a given week and may not occur on consecutive days.

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Greg Zwiers/Iowa State Daily  
**The new art installation in the Biorenewables Research Laboratory shows the progression of farming throughout history. The piece is by Ralph Helmick and titled "Floating World." The 14 layers are made of aluminum and carbon and are suspended from the lobby ceiling. Helmick was inspired by Japanese wood block prints, theater screens and the works of Grant Wood, some of which are also on Iowa State's campus.**

# Art installation shows history of agriculture

By Ryan.Eft  
 @iowastatedaily.com

The lobby of the new Biorenewables Research Laboratory received a new art installation last week.

The exhibit is called "Floating World" and, according to artist Ralph Helmick, it is designed to portray the history of agriculture. It consists of 14 layers of aluminum & carbon suspended from the lobby ceiling, each depicting a stage of the progress of agriculture. These include plowing by hand and the advent of windmills and tractors.

Helmick is based out of Newton, Mass., near

Boston. "I created a large atrium piece at the federal courthouse in Cedar Rapids about two years ago," Helmick said. "I've been spending time [in Iowa] the last few years."

Helmick cites three primary inspirations for the work: Japanese wood block prints, the work of Iowan artist Grant Wood and the type of screens used for scenery in live theater.

"I was impressed by the beauty of the campus," Helmick said regarding what drew him to Iowa State. "I was asked to write a letter of interest for this project, and they selected me to develop and design."

Lynette Pohlman, director of University Museums, said there are "many narratives and stories in the mural" and that it shows the farming heritage of many students.

"It's important that students come to an understanding of what each layer of that sculpture means," Pohlman said. Her hope for the piece is that "people will explore 150 years" of agricultural development.

The pieces that make up the final work were steel-laser cut by JunoWorks — a company in Denver — with owner Mike Mancarella acting as the project's overseer and "chief collaborator."







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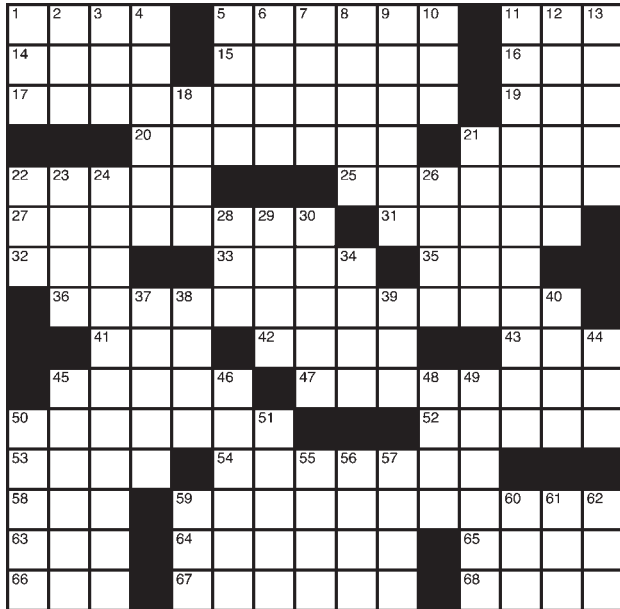
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# Daily Fun & Games

Puzzle answers available online at: [www.iowastatedaily.com/puzzles](http://www.iowastatedaily.com/puzzles)

## Crossword



### Across

1 Auto whose griffin logo was recently discontinued  
5 Log on to  
11 "Family Guy" daughter  
14 Beige cousin  
15 Hail from a distance  
16 Lumberjack's tool  
17 "Alice in Wonderland" critter known for disappearing  
19 Cousins, say  
20 Lost it  
21 It may be bulletproof  
22 Free-for-all  
25 Hates  
27 Painting partly shown on the original cover of "The Da Vinci Code"  
31 Half an etiquette list  
32 Free TV ad  
33 Pepsi, e.g.  
35 In favor of  
36 Ubiquitous Mad Magazine guy  
41 Cry to a toreador  
42 Clumsy boats  
43 Part of an ear  
45 Getting on in years  
47 "Batman" villain  
50 Tummy-showing shirt

### Down

52 "\_\_\_ obvious!": "Duh!"  
53 Aussie sprinters  
54 Blue Staters, collectively  
58 \_\_\_ Cruces  
59 Some emoticons, and defining features of 17-, 27-, 36- and 47-Across  
63 Sinusitis-treating MD  
64 Requiring less effort  
65 Bend  
66 Sci. course  
67 Stick  
68 Haywire

school lockers  
21 Rattler's poison  
22 Image file letters  
23 Flor del amor  
24 Corresponding with  
26 Protein source for vegans  
28 \_\_\_ hockey  
29 Pepsi, e.g.  
30 Watchful  
34 Egyptian cross  
37 Decides with a coin  
38 Monthly expense  
39 Flagstaff-to-Roswell dir.  
40 Rejections  
44 Pal  
45 Big name in high fashion  
46 Lost one's temper  
48 Short time  
49 Quebec/Ontario border river  
50 Walk of Fame honoree  
51 Engage in online fraud  
55 Nobelist Wiesel  
56 Creepy look  
57 Literary governess Jane  
59 Poseidon's realm  
60 Cornfield call  
61 Take a wrong turn, say  
62 Binoculars user

## Horoscope *by Linda Black*

### Today's Birthday (7/23/14)

You're romantically powerful this summer. Home discipline works miracles. With Jupiter in your sign (until next August), enjoy extra popularity. Spontaneous adventures call. Consider long-term work, health and community goals. October eclipses impact professional status and home life. Saturn in Sagittarius (12/23) inspires your practice. Play for love.

To get the advantage, check the day's rating: 10 is the easiest day, 0 the most challenging.

### Aries (March 21-April 19)

**Today is an 8** – Take an overview perspective, and stay flexible on the route. Use your imagination and profit. Get outrageous and bold. Still, listen to your inner voice. Use all that stuff you've been saving.

### Taurus (April 20-May 20)

**Today is a 7** – You gain a surprising advantage. Keep secrets to yourself. Changes could seem abrupt to others. You don't mind, though. Let the wind choose your direction. Your team comes through for you.

### Gemini (May 21-June 20)

**Today is a 7** – Deeds speak louder than words, although they matter. The more you complete, the more you advance. A brilliant communication contributes. Make changes to your career path. It may require an astute investment.

### Cancer (June 21-July 22)

**Today is a 6** – Postpone travel for now, but budget for tickets. Consider a surprise for your partner. Get help building your dream. Another person can achieve things you can't, using new technology. Find a practical way to repay.

### Leo (July 23-Aug. 22)

**Today is an 8** – Heed an older person's investment advice. Pleasantly surprise co-workers and friends with a thoughtful gesture. This could lead to benefits, but that's not why to do it. Communicate your gratitude. Put it in writing.

### Virgo (Aug. 23-Sept. 22)

**Today is an 8** – A partner's outrageous suggestion succeeds. You're gaining on the leader. Leave room for surprises. Send somebody else ahead. Make an important connection. Fall in love all over again. Take a walk down memory lane.

### Libra (Sept. 23-Oct. 22)

**Today is a 7** – Investigation, research and creative discovery tempt you today. Work overtime to save up money (unless you get distracted by love). Romance trumps work. Invest in technical efficiency so you can spend more time together.

### Scorpio (Oct. 23-Nov. 21)

**Today is an 8** – You're very creative now, especially with financial planning. Discover good news in the fine print. Take

it slow. You're gaining wisdom. Love blossoms in rare and exotic ways. Get fresh ideas from a kid.

### Sagittarius (Nov. 22-Dec. 21)

**Today is an 8** – Dream up a lovely surprise for your partner. Use your intuition to come up with the perfect thing. Pick up groceries for a home-cooked meal from scratch. Invite them to share your latest obsession.

### Capricorn (Dec. 22-Jan. 19)

**Today is a 7** – Things don't always go according to plan. Sometimes the unscripted route offers heartfelt, intimate moments. Try something new. Make an amazing discovery that

pre-empts your schedule. Each answer leads to more questions.

### Aquarius (Jan. 20-Feb. 18)

**Today is a 7** – Rebel against routines and pursue the path of greatest fun. Play games, even if it's just adding a new twist to normal tasks. Take advice from someone younger. Remember what's really important.

### Pisces (Feb. 19-March 20)

**Today is an 8** – Home improvements especially satisfy today. Try something that makes a big change without major expense or effort. Add color. Follow a stroke of genius. Sit with it. No need to rush into anything.

## Sudoku *by the Mephram Group*

4	9						3	5
		2	3	8				
5						2		
				5			7	
	5	4	2		3	9	6	
	6			1				
		3						4
				6	8	3		
9	8						5	2

**LEVEL:** 1 2 3 4

Complete the grid so each row, column and 3-by-3 box (in bold borders) contains every digit, 1 to 9. For strategies on how to solve Sudoku, visit [www.sudoku.org.uk](http://www.sudoku.org.uk)



## THURSDAY 7/24

### Ames Municipal Band concert

**What:** Listen to an outdoor concert from the Ames Municipal Band. Pre-concert entertainment starts an hour before the concert.

**When:** 8 p.m.

**Where:** Durham Bandshell Park, 6th Street and Duff Avenue

### Evening Prairie Walk

**What:** Go on a prairie walk in Doolittle Prairie. Learn about the history of Iowa prairies and see their natural plants and flowers.

**When:** 7 p.m.

**Where:** Doolittle Prairie, 14249 560th Ave. in Story City

## FRIDAY 7/25

### Ames on the Half Shell

**What:** Enjoy music from Abby Normal. Audience must be 21 years or older and admission is \$4.

**When:** 5 p.m. to 8 p.m.

**Where:** Durham Bandshell Park, 6th Street and Duff Avenue

### Bookends at the Bandshell

**What:** The Ames Public Library is sponsoring a summer concert series at the Bandshell. Listen to Steady Shift this week.

**When:** 11:30 a.m.

**Where:** Durham Bandshell Park, 6th Street and Duff Avenue



### Iowa Games Summer Sports Festival

**What:** Enjoy the final weekend of the summer Iowa Games on the ISU campus. Athletes from all around Iowa will compete in Olympic-style events.

**When:** All day

**Where:** ISU campus

### Dance Social

**What:** Join in a free dance social hosted by the ISU Ballroom Club. Singles are welcome and dress is casual.

**When:** 7:30 p.m. to 9:45 p.m.

**Where:** Pioneer Room, Memorial Union

## SATURDAY 7/26

### American Solar Challenge

**What:** The American Solar Challenge race will have a checkpoint in Ames. Iowa State's Team PrISUm will be competing in the race. The checkpoint is a free public event.

**When:** 1 p.m. to 4 p.m.

**Where:** C4 parking lot, Jack Trice Stadium

### North Grand Farmers Market

**What:** Vendors will be selling fresh Iowa-grown fruits, vegetables and more.

**When:** 8 a.m. to 12 p.m.

**Where:** J.C. Penney parking lot at North Grand Mall

### Ames Main Street Farmers Market

**What:** Vendors will be selling fresh Iowa-grown fruits, vegetables and more.

**When:** 8 a.m. to 12:30 p.m.

**Where:** 300-400 block of Main Street

### Snus Hill Winery Tour

**What:** Get a tour of Snus Hill Winery and learn interesting facts about the facility.

**When:** 2 p.m.

**Where:** Snus Hill Winery, 2183 320th St. in Madrid

### Summer variety show

**What:** The Story Theater Company will hold its Summer Variety Show in Ames. The event is a fundraiser for teen theater clubs and a winter production of "Much Ado About Nothing."

**When:** 8:30 p.m.

**Where:** Zeke's, 3329 Lincoln Way

### Yoga in the Park

**What:** Enjoy a free and relaxing yoga session in the park.

**When:** 10 a.m. to 11 a.m.

**Where:** Bandshell Park, 125 E 5th St.

## SUNDAY 7/27

### Roosevelt Summer Sundays Concert

**What:** Enjoy free concerts each week from local bands who play many different genres of music.

**When:** 7 p.m. to 8:30 p.m.

**Where:** Roosevelt Park, 9th Street and Roosevelt Avenue

### Bookends at the Bandshell

**What:** The Ames Public Library is sponsoring a summer concert series at the Bandshell. Listen to Steady Shift this week.

**When:** 6 p.m.

**Where:** Durham Bandshell Park, 6th Street and Duff Avenue

## Prairie Moon Summer Music Series

**What:** Enjoy pizza, wine and music. Listen to jazz music from Planet Passengers at the Prairie Moon Winery.

**When:** 3 p.m. to 6 p.m.

**Where:** Prairie Moon Winery, 3801 West 190th St.

### Veenker's One Player Best Short - King of the Beasts

**What:** Play a one-player best shot tournament at Veenker Memorial Golf Course. The entry fee is \$40 and includes play, carts and prizes.

**When:** 8 a.m.

**Where:** Veenker Memorial Golf Course, 1925 Stange Road

## MONDAY 7/28

### Great Plants for Iowa Series: Tropicals Inside and Out

**What:** Learn about a wide variety of garden plants that grow well in central Iowa. Learn how to identify and the requirements of a type of plant each week.

**When:** 6 p.m. to 8 p.m.

**Where:** Reiman Gardens

## TUESDAY 7/29

### City Council Meeting

**What:** Attend the semiweekly City Council meeting. Give input and listen to issues and solutions that will impact the city of Ames and its citizens.

**When:** 7 p.m.

**Where:** City Hall, 515 Clark Ave.

## WEDNESDAY 7/30

### North Grand Farmers Market

**What:** Vendors will be selling fresh Iowa-grown fruits, vegetables and more.

**When:** 3 p.m. to 6 p.m.

**Where:** J.C. Penney parking lot at North Grand Mall

