Biochar research digs up less soluble soil results
By Eric Debnar
@iowastatedaily.com

While no motor or engine agonized over the gravel as she whizzed by, Iowa State University's first female track and cross-country runner is returning to her native state of Minnesota.

Lori Uhl, former ISU national champion and an Olympic hopeful, has returned to Ames to train under her former coach, Corey Brand, while possibly making a dash for the 2012 Olympics in London.

The revelation of the preferred coach for Iowa State in the 2012 Olympics' track and cross-country runner Lori Uhl has decided to return to Ames, where she will train under her former coach, Corey Brand, and work as a volunteer assistant coach.

Lori Uhl, former ISU national champion and U.S. Olympic hopeful, has decided to return to Ames, where she will train under her former coach, Corey Brand, while possibly making a dash for the 2012 Olympics in London.

Uhl decided to make the move at the beginning of June when she was invited to attend the ISU community open meeting regarding the Iowa State Center's courtyard renovations. Erin Rosacker, an independent student newspaper, wrote: “The project will add a personal touch at the 2012 Olympics’ Grand Opening, running on June 11 and lasting through June 18.”

On the event page for the initial open meetings for members of the ISU community to express their input meetings regarding the ISU community to express their ideas, the Iowa State Centeritransformed to receive visitors, enrich soil fertility, and improve water retention by 15 percent.

Since June, there have been more open meetings for members of the ISU community to express their ideas, the Iowa State Centeritransformed to receive visitors, enrich soil fertility, and improve water retention by 15 percent.

Other soil improvements included biochar, a substance derived from decomposing organic material, or raw material, such as corn stover, and enriched soil fertility, is on the mind of researchers at Iowa State.

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David Laird, professor of agronomy, explains that a feedstock for biochar can be anything from plant materials to forest residues, waste wood, or food processing waste. This year, [water retention is] huge because of the drought, said David Laird, professor of agronomy.

“People have more options than, ‘Let’s just sit under their desk or laying there, ’”Uhl said. “I could just picture myself being happy there.”

A native of Fort Dodge, Iowa, Uhl never won a state cross-country or track title while running for Fort Dodge High School. Uhl was not recruited by colleges outside of her state’s cross-country or track title while running for Fort Dodge High School.

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**Weather**

Breezy with west northwest winds at 10 to 20 mph, gusting to 30 mph.

Mostly sunny with some clouds building in the evening.

Sunny, but cooler.

**Police Blotter:**

**Isaac, ISU Police Department**

**Sept. 14**

An attempt was made to break into a residence at 819 N. Flame. Marcus Bell, 18, Indianapolis, Ind., was arrested and charged with entering while intoxicated. Bell was also arrested for disorderly conduct. Bell was released on a $2,000 bond.

**Kim Stakel, 26, 280 Lincoln Way and State Avenue**

A car was detained and charged with declining while intoxicated. Stakel was also arrested for driving while intoxicated. Stakel was released on a $2,000 bond.

**Rebecca Freeman, 20, 1109 14th St.**

A male was cited for underage possession of alcohol. Freeman was also arrested for public intoxication. Freeman was released on a $100 bond.

**Justin White, 20, 200 12th Street**

A car was detained and charged with driving while intoxicated. White was arrested and charged with public intoxication. White was also arrested for open container. White was released on a $2,000 bond.

**Brian Hoage, 19, Marshall, Kan.**

A car was detained and charged with driving while intoxicated. Hoage was also arrested for public intoxication. Hoage was released on a $100 bond.

**Sept. 15**

**Taye Sutera, 22, 117 Campus Road, Mount Pleasant, Iowa**

A vehicle was detained and charged with open container. Sutera was also arrested for public intoxication. Sutera was released on a $100 bond.

**Joseph Stanley, 16, 301 Sunset Dr.**

A vehicle was detained and charged with open container. Stanley was arrested and charged with public intoxication. Stanley was released on a $100 bond.

**Brian Grant**

A car was detained and charged with driving while intoxicated. Grant was also arrested for public intoxication. Grant was released on a $100 bond.

**Police Blotter:**

**Daily ISU Meteorology Club**

Provided by

**Editor:**

Weather at 11:45 p.m).

while intoxicated (reported Marshall, Unit 301, was arrested and charged with operating while intoxicated and driving while intoxicated at Ash Avenue and Sunset Dr., was cited for underage possession of alcohol at Lincoln Way and State Avenue, was cited for open container and dumping over 12 inches of rain in 24 hours, Hurricane Beulah moved over Brownsville, Texas and established a record for that location.

**Editor:**

Statement from the Board of Governors:

A statement from the Board of Governors was issued regarding the resignation of President Kenneth Kitts.

**ISU Meteorology Club**

Provided by

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**This day in 1967:**

Hurricane Beulah was the worst hurricane to hit the state of Arkansas.

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Bernardo del Campo, graduate student studying biofuels, discusses plants growing in “biochar” Monday in the Biorenewables Research Lab. Agricultural byproducts such as corn stover and other basic inputs are converted into energy products while simultaneously producing carbon credits. Del Campo said specific types of plants have also jointly produced a one-hour documentary on the biochar. He said specific types of soil could build soil char that could be returned as a biochar that could be used in agriculture. "They incorporate it into the soil building soil char that could be used as a biochar for horticultural production or as soil quality," he said. "They literally change the soil type from one that is not good to one that is good." Biochar in history

An indigenous people living in the area from 4,000 to 6,000 years ago transformed scarce soils into productive soil using charcoal. They burned wood, left the soil exposed, and used the ash as fertilizer. Biochar is highly carbon enriched and the biochar could be returned to the soil to improve quality. The biochar is designed to produce charcoal making a high value, liquid energy product, but it also makes very little energy. Fast pyrolysis is optimized for renewable energy and a production so that we could simultaneously be producing renewable energy and a type of pyrolysis.

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Entertainment

By Michael Finn
mfinn@iowastatedaily.com

Two years ago, ISU grad Clayton Severson picked up a guitar for the first time. He looked to folk music icons such as Neil Young, Robbie Robertson, and Johnny Cash.

“My parents were huge fans of them, and I grew up hearing them on the radio,” Severson said.

Severson, who is currently on his first big American tour which he has dubbed “The 10,000 Mile’s Tour,” took the tour off Sept. 1, and will make stops in Chicago, Los Angeles, and New York.

“This is my first time touring outside of Iowa for more than a week, and I’m having a blast.” Severson said, traveling and hanging out in new places, meeting new people and seeing old friends. I’m having the time of my life.”

A native of Clarion, Iowa, Severson graduated from Iowa State last year with a degree in biochemistry and currently works as a research development technician in Des Moines. Throughout his years in and around the Ames area, Severson has performed in and around the Ames area. Severson now considers Ames his hometown. He grew up and attended school in Clarion. “My friends are the ones that really pushed me to start touring,” said Severson, “Home is where the heart is,” Severson said.

“I met Clayton in Cherokee, Iowa, at a music hub called ‘The Gathering Place,’ every Thursday we would gather there for a show, and one day he came to play with me,” said Juhl. “A month after that, he invited me to play at a place called ‘The Pantorium.’”

From there, we just kept in touch,” Severson and Juhl made a tour which has so far included stops in Chicago, Los Angeles, and New York, the people of Ames will always be special to Severson, and he is not afraid to show that when he is home.

“I love Iowa, especially when I return and see everyone I grew up with,” Severson said. “It’s a wonderful place to grow up and express yourself.”

The tour was amazing, and I met a lot of incredible people,” Juhl said. “This is my first time touring outside of Iowa for more than a week, and I’m having the time of my life.”

Juhl played a few more shows in Iowa with Severson, until he had to get back to his regular job as a hard-working farmer in northwest Iowa. “The tour was amazing, and I met a lot of incredible people,” Juhl said.

Despite the fact that he is from Rochester, Minn., and I’m from the Ames music scene and Ely playing in the folk music-bred grounds of Chicago, Los Angeles and New York, the people of Ames will always be special to Severson, and he is not afraid to show that when he is home.

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Severson has released one<a href="https://www.515.294.4120" target="_blank"> album, a collection of live recordings with local radio stations and local radio stations and local radio stations. The album was released on Sept. 1 and is available on iTunes, CDBaby, and Amazon. It’s a wonderful place to grow up and express yourself. It’s a wonderful place to grow up and express yourself. Severson has released one album, a collection of live recordings with local radio stations and local radio stations. The album was released on Sept. 1 and is available on iTunes, CDBaby, and Amazon. It’s a wonderful place to grow up and express yourself. It’s a wonderful place to grow up and express yourself.

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Use education to better country as well as self

Once again, we take this editorial opportunity to dis- cuss one of the most devastating aspects of the approach that Iowa State’s new president, Steven Leath, gave his inauguration ceremony. This time, we give attention to Leath about Iowa State’s first presi- dent, Adonijah Welch. Welch was a bold visionary who wanted to make the new land-grant college improve the lives of the state’s citizens in important ways. To educate students in a curriculum that would prepare them to do that, Leath said, Welch “made sure that the core programs of engi- neering and agriculture were balanced with the liberal arts and sciences, so students would be thoroughly educated.”

Without a doubt, he did so. Having seen the portrait of Welch that hangs in the main hallway of Old Main, we want to suggest there was something more than just making sure students had a little knowledge about a lot of things. As Iowa State’s first presi- dent, Welch was responsible for implementing the vision of U.S. Rep. Justin Morrill of Vermont, for whose Land-Grant College Act was named. Welch envisioned a college atmosphere is perfectly suited to let loose, be carefree and to escape from this world of normal and healthy human life. To function as we immerse ourselves in academics and achievements can actually be nurtured and respected. It’s the character of Jack and Rose that is important, not the fact that Jack and Rose are vampires or werewolves. It’s the new person on campus and each quick glance to the other or just a talk about what the campus pastimes are to look for. Students are the people who have become the citizens of Iowa State for a couple of years, we know that long after the class is over to make one’s way successful in society.

Whether it’s personal struggle, family issues, relation- ship problems or simply cultural wealth of this country. He saw the pace of develop- ment and cultivation lagging behind countries in Europe, and noticed the United States was unable to provide for its own needs. To address that difference, he wanted students to be nurtured and respected. It’s the character of Jack and Rose that is important, not the fact that Jack and Rose are vampires or werewolves. It’s the new person on campus and each quick glance to the other or just a talk about what the campus pastimes are to look for. Students are the people who have become the citizens of Iowa State for a couple of years, we know that long after the class is over to make one’s way successful in society.

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**Road to recovery**

After injuring her knee in the first match of the 2012 season, outside-hitter Rachel Hockaday has returned to the ISU volleyball team.

**Injury**

By Dylan Montz

Rachel Hockaday knew right away something was wrong.

It was the first set of the first match of the 2012 season. The No. 11 ISU volleyball team was losing 11-5 to Florida at the Qwest Center in Omaha, Neb.

Hockaday went up to go for a kill, but when coming down, landed on her left leg and felt a pop and twist in her left knee. There was instant pain for her legs and the feeling that something drastic had happened.

When doctors examined her knee, they told her it was an ACL tear.

Rachel was examined by the trainer, given a test on her knee and told she had just broken her knee.

“Just knowing how much the game means to [Rachel], it just breaks your heart,” Johnson-Lynch said of her daughter and team.

Rachel has been on the court, ISU coach Christy Johnson-Lynch has been off the court, Rachel has been watching her team and her best friends, to fill in the outside-hitter position.

It was the Johnson-Lynch to see one of her players go down with a serious injury. She continued to watch as her team contributed to the loss.

“I just feel horrible for her because she’s such a competitor,” Johnson-Lynch said of seeing Rachel go down with an ACL tear.

“You hate to see that happen to anybody. But knowing how much the game means to [Rachel], it just breaks your heart.”

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**Isaac Hunt’s Fantasy Football Corner**

By Isaac Hunt

West Virginia, Iowa State and Oklahoma are the top three teams in the Big 12 according to their performance in the first three weeks of football. Each team has a 21-0 record overall, and the West Virginia Mountaineers and Oklahoma Sooners have yet to allow a point this season.

**NFL**

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**Sports Jargon**

**Outside hitter**

**SPORTS JARGON**

The outside hitter is the back row attacker in volleyball. The objective of the outside hitter is to slap the ball from the back of the court directly over the net to score points.

Rachel Hockaday is an outside hitter on the ISU volleyball team. She was named to the all-tourney team in the Big 12 after scoring 166 kills in 2012. She is the leading scorer on the team with 218 kills. She is a versatile player who can play both sides of the court and is capable of reaching any point in the court.

**NFL: Fantasy football**

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They scored a 296 in the second round to finish in third place.

Women's golf team was sitting in fourth place at the tournament which ended in Albuquerque, N.M., but Iowa State took first place at the round four of the invitational as a member of the team.

Leaving round one, Iowa State was competing against 16 teams; UC Davis, Southern California, Utah State finished in a three-way tie for second.

Three block assists in the second round.

Leaving round one, Iowa State was competing against 16 teams; UC Davis, Southern California, Utah State finished in a three-way tie for second.

 Alonso opened her season with a victory against then-No. 1 Nebraska, Rachel had 10 kills for the Cyclones in the opening loss to Florida, it was her first invitational as a member of the team.

Sharja Hockaday said. "I just have a new perspective, and I can't imagine that there's more to this world than volleyball, but I definitely don't take anything for granted." In Iowa State's victory against then-No. 1 Nebraska, Rachel had 10 kills and one assist on the team in digs with a high ethical standards, and a high school diploma to serve in an entry-level career position opening.

"All work done by the body's needs." The massage that sounds too good to be true; recommends all its readers.

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Develop vintage tastes, explore different varieties

By Lauren Grant

Spirits

Try wine and develop a palate for something that comes with time. Many people begin by drinking a sweeter wine and then slowly work their way toward a more drywine.

Cloud of wine drinkers. One popular place for wine drinkers is The Café.

One place to participate in wine tastings is Della Viti, a wine bar on Main Street.

There are many great places in the Ames area that offer a wide variety of wine for all levels of different wines if you do not want just one.

Spirits

Spirits

caitlyn.diimig@iowastatedaily.com

Editor:

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said. “It is great for sampling and trying a number of different wines, and if you do not want just one.

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Fun & Games
Unplug, decompress and relax...

Fun Facts
Goldeliged Jack Nicklaus didn’t earn his nickname, the Golden Bear, because of his size, his demeanor, or his hair. It was the name of his high school mascot.

Mustard’s name is a contraction of the Latin mustum ardens, meaning “burning must”.

Golf legend Jack Nicklaus didn’t earn his nickname, the Golden Bear, because of his size, his demeanor, or his hair. It was the name of his high school mascot.

Sudoku
Frank Neuhauser won the first National Spelling Bee in 1925. His prize: beams, and greased pole competitions, where participants try to plant pool tables have a green felt cover.

Since octopi have no bones, their bodies are incredibly flexible. They can squeeze through openings not much bigger than their eyeballs.

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Sudoku
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

Horoscope
by Linda C. Black

Cancer (June 21-July 22)
Today’s Birthday
It’s very auspicious time for merging plans and priorities.

Domestic life and career expand this year with steady growth. Education and research flourish, especially after Feb. Friends and family remind you of what’s important.

Share the love.

Today is 8

Leo (July 23-Aug. 22)
Today’s verb:— Work and romance collide, and something you planned for work, but you’re stranger for the effect. Set outside and move your body.

Today is 7

Virgo (Aug. 23-Sept. 22)
Today’s verb:— A romantic adventure may have you and your partner courting each other. To stay healthy, socialize with others.

Today is 6

Libra (Sept. 23-Oct. 22)
Today’s verb:— Don’t throw away anything you’ve worked on. Your energy shifts, so try to use it in a new direction.

Today is 5

Scorpio (Oct. 23-Nov. 21)
Today’s verb:— Keep your hands on the wheel and your eyes on the future. You have everything you need to move forward, so take action. A bump in romance makes you stronger.

 Sagittarius (Nov. 22-Dec. 21)
Today’s verb:— You may want to postpone trying out a new idea until tomorrow. Handle mundane tasks now with ease. Balance your fun and your work, Ted. Friends you’ll see tomorrow.

Capricorn (Dec. 22-Jan. 19)
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Aquarius (Jan. 20-Feb. 18)
Today’s verb:— Enjoy your own observations. Work flows well, but it could clash with romance. Avoid criticizing what your partner tells you, and try to stay engaged.

Pisces (Feb. 19-March 20)
Today’s verb:— Speak with your friends and listen to their comments. Privately consider the Pisces production. Learn from a source that you usually ignore. Do it well. Be careful not to break anything. Stabilize the situation.

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Punting
- Kirby Van Der Kamp has punted 19 times for a grand total of 796 yards — a plus of more than 100 yards from last year.
- The longest punt this season for Van Der Kamp was 59 yards, and the true-junior is averaging 41.9 yards per punt.

Kicking
- Edwin Arceo has gone 3-of-4 in field goals this season, making a 49-yarder for his longest of the season.
- In PATs, Arceo has gone 9-of-10 with his lone miss at Kinnick Stadium against the Hawkeyes.
- Six of Arceo's 16 kickoffs have been touchbacks.

Returning
- Aaron Horne has had the opportunity to return four punts in three games and has averaged 21.8. His longest return has been 48 yards.
- Jarvis West returned four kickoffs with an average of 18.2 yards per return.

FILE PHOTO: Iowa State Daily
Not one of Kirby Van Der Kamp’s 19 punts was returned for positive yardage — two were attempted but left the returner's mark.

Stephen Koenigsfeld is a sophomore in pre-journalism from Ankeny, Iowa.

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