



## One year to go

Construction of Lincoln's Pinnacle Bank Arena — the future home to Husker men's and women's basketball — is a little more than one year away from a September 2013 completion deadline. During an Aug. 17 media tour of the arena, Bob Caldwell of Hampton Construction reported that construction is slightly ahead of schedule and on budget.

This composite image shows work inside the \$179 million project. Workers started to move roof trusses (top right) into place earlier this month. This image shows how seating will be in a horseshoe configuration with the open end to the north (left). The arena will seat nearly 16,000.

See more photos at [http://go.unl.edu/pba\\_tour](http://go.unl.edu/pba_tour).



# SCARLET

The monthly newspaper for faculty and staff of the University of Nebraska-Lincoln



[www.unl.edu/scarlet](http://www.unl.edu/scarlet)

Vol. 22, No. 8

Aug. 23, 2012

## Chancellor's State of the U address is Sept. 11

Event to include annual Employee Service Awards; all-university picnic moves to Sheldon Gardens

University Communications

Chancellor Harvey Perlman will deliver his 13th State of the University annual address to faculty, staff, students and interested visitors on Sept. 11. The address begins at 11 a.m. at the Lied Center for Performing Arts.

The speech traditionally outlines university priorities for the coming year while addressing major accomplishments during

### Welcome back...

Read Chancellor Harvey Perlman's annual welcome back message at <http://go.unl.edu/welcome2012>.

vice "milestones" will be recognized during the annual employee service award recognition program beginning at 10:30 a.m., and a picnic will follow the 11 a.m. address. The picnic will be set up in the Sheldon Gardens. No street closure for the picnic will occur this year because of city street construction.

The Campus Recreation massage therapy program will provide free, 10-minute chair massages from 9 to 11 a.m. in the Lied Center.

The speech will be streamed live on the web at <http://www.unl.edu> and televised on NebSat 105, Campus Channel 4, Lincoln Cable Channel 21 and KRNU Radio (90.3 FM).

Shuttles (Bus 24) from East Campus to the Lied Center will run from Burr-Fedde, Ag Hall, Animal Science and the College of Law, returning from the Temple Building.

the previous academic year.

Faculty and staff being honored for ser-

## Master plan open house sessions are Sept. 12, 13

By Troy Feddersen  
University Communications

Two open house sessions are planned to allow faculty, staff and students to offer input into an update of UNL's master physical plan and a new landscape master plan.

Jennifer Dam, assistant director of campus planning and space management, said the open houses are the first opportunity for the entire campus community to provide input into the master plans.

The workshops are 3 to 6 p.m. Sept. 12 in the Nebraska Union and noon to 2 p.m. Sept. 13 in the East Union. The sessions are open to all interested individuals.

"Faculty, staff and students should be excited about these open house sessions because it is their chance to help guide our growth in the future," said Dam.

UNL's current master plan was approved in 2006 and designed to span 10 to 15 years. However, Chancellor Harvey Perlman issued a call for a new master plan to address new goals to (by 2017) grow enrollment to 30,000 students, hire 160 new tenure-track faculty, and increase annual research expenditures to \$300 million. Other new information the new plan must address is how UNL links to Nebraska Innovation Campus, completion of the Antelope Valley project, Pinnacle Bank Arena construction in downtown Lincoln,

MASTER PLAN | page 3

International Engagement Northwest Agriculture and Forestry University



TROY FEDDERSEN | UNIVERSITY COMMUNICATIONS

Ding Yongbo (front) works alongside UNL researchers in associate professor Harshavardhan Thippareddi's East Campus lab. Yongbo was one of 18 undergraduates from China's Northwest Agriculture and Forestry University who visited UNL during the summer. Members of the group were paired with UNL researchers and allowed to conduct their own research projects during a six-week span.

## Summer visitors

Project pairs Chinese students with UNL researchers

By Troy Feddersen  
University Communications

Hou Yunnan really tried to be stoic. As the camera snapped photos, Yunnan dutifully placed a sample into the mass spectrometer in Jiri Adamec's Beadle Center lab. The visiting student from Southwest Agriculture and Forestry University in Yangling, China, sat composed at a computer screen as the shutter continued to chatter.

But when asked if he could place the sample back into the machine, Yunnan's face broke into a wide smile.

"I like this," said Yunnan. "If this

**Inside:** Academic Affairs outlines changes to International Affairs, related services. Page 6

were China, I would order this test, send the sample and wait for results. Here at Nebraska, I get to do it on my own.

"That is amazing."

Yunnan was one of 18 undergraduates from Northwest A&F University who spent five weeks of summer earning a hands-on research experience in UNL labs. The students were participating in the Northwest A&F University Research Experience for Undergraduates, a first-year program that grew from an overseas visit six months ago.

"The chancellor and I visited

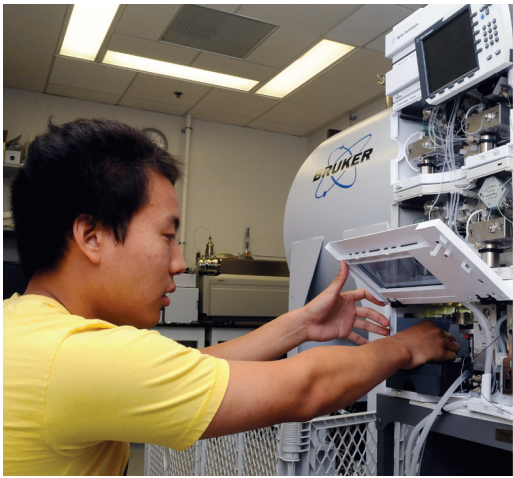
Northwest Agriculture and Forestry University at the end of February," said Ron Yoder, associate vice chancellor for the Institute of Agriculture and Natural Resources. "I walked away thinking there were a lot of parallels between our two universities, particularly in the agriculture areas.

"I thought they would be a really good fit for us."

After the delegation returned to UNL, officials from Northwest A&F started to

VISITORS | page 6

SCARLET



Hou Yunnan places a test sample into the mass spectrometer in Jiri Adamec's Beadle Center lab.

### Faculty mentors

The 11 UNL faculty who opened their labs up to the Northwest A&F University undergraduates, their academic unit and the number of students they hosted are:

**Agronomy and Horticulture** — Richard Ferguson, Martha Mamo (2), Paul Reed

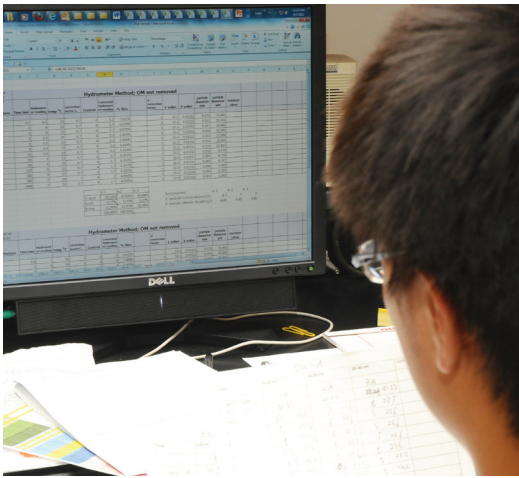
**Biochemistry** — Jiri Adamec, Ed Harris (2)

**Biological Systems Engineering** — Suat Irmak (5)

**Food Science and Technology** — Jayne Stratton (2), Harshavardhan Thippareddi

**Natural Resources** — Steve Comfort

**Plant Pathology** — Richard Wilson, Gary Yuen



You Zheng enters data from soil erosion research. Zheng worked with Martha Mamo on the project.



## Three named NU graduate fellows

Three UNL students received 2012-2013 Presidential Graduate Fellowships from the University of Nebraska. The annual fellowships honor a select group of NU graduate students on the basis of high scholastic performance and personal accomplishment. Fellows receive a stipend that allows them to pursue their studies full time.

The Presidential Graduate Fellows from UNL are:

- Kathryn Haymaker, of Hellertown, Penn., a doctoral student in mathematics. Haymaker studies coding theory, which originated with the need to send information reliably and efficiently over a communication or storage channel.

- Jeff Johnson, of Lincoln, a Ph.D. candidate in business. He joined UNL's marketing doctoral program in 2009 and has been pursuing his research interests in personal selling, sales management and marketing strategy.

- Nathan Probasco, of Scribner, a doctoral candidate in history. Probasco's interests center on the history of colonization and technology in the early modern Atlantic world.

For more information, go to <http://go.unl.edu/Stv>.

## Anderson, Hoff earn professorships

Fine and Performing arts faculty Scott Anderson and Michael Hoff have been named Hixson-Lied Professors.

The Hixson-Lied Professorship program recognizes the work of the most outstanding faculty in the Hixson-Lied College of Fine and Performing Arts. Supported by a grant from the Hixson-Lied Endowment, the professorships are awarded for a three-year term and can be re-nominated for a second, consecutive three-year term. These professorships carry a \$3,000 annual stipend that can be used to augment the recipient's salary or to support the recipient's creative or scholarly work.

Anderson is associate professor of trombone and the head of the brass and percussion area. He is also trombonist in the University of Nebraska Brass Quintet.

Hoff, a professor of art history, has been at UNL since 1989. Hoff specializes in Greek architecture and the topography of Athens and has dedicated his career to studying Anatolian Archaeology.

For more information, go to <http://go.unl.edu/hlprofs>.

## Hancock retirement reception is Aug. 24

A retirement reception for Walt Hancock is 2 to 4 p.m. Aug. 24 in Hamilton Hall, room 548. The event is free and open to the public.

Hancock has worked as Chemistry's electronics shop manager since he was hired in 1978. He is a UNL alumnus and graduated with a doctorate in physics in 1976.

Hancock has been published in several scientific journals including an article "Instrumentation for the PICO Deep Ice Coring Drill." He has also worked on several NSF and NASA research endeavors designing, building, and operating ice core drilling instrumentation.

## Brannen to retire

After a 23-year career with the university, Paul Brannen is retiring Sept. 4. Brannen, associate director of Information Services, was originally hired as an accountant for the former Computer Resource Center.

Brannen was a UNL representative on the campus SAP implementation team and established budget and accounting processes for Information Services.

He is a 1974 graduate of UNL and a U.S. Navy veteran.

Cards and letters can be sent to Information Services, 413 LLS, Lincoln, NE 68588-0496. Send email to [pbrannen1@unl.edu](mailto:pbrannen1@unl.edu).

## New Hires

UNL welcomes these new employees hired in July. For more information on the "New Hires" list, contact Troy Fedderson at [tfedderson2@unl.edu](mailto:tfedderson2@unl.edu) or 402-472-8515.

Guillermo Baigorria, Natural Resources, assistant professor

Jason Baird, Mail Services, material service worker

Christine Baughman, Law, Assistant director of admissions

William Bird, Ag Leadership, Education and Communication, assistant professor

Humberto Blanco Canqui, Agronomy and Horticulture, assistant professor

Danielle Bojanski, Undergraduate Education, assistant academic program coordinator

Jeremy Busch, Athletics, assistant athletic trainer



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### On the masthead

Pictured is a detail of John Himmelfarb's mural "Good Questions and Good Answers." The mural is located in Teachers College Hall. If you know of a part of UNL that should be featured in the Scarlet masthead, contact Troy Fedderson at [tfedderson2@unl.edu](mailto:tfedderson2@unl.edu) or 472-8515.



Charles "Chuck" O'Connor sits in a Richards Hall drawing studio. O'Connor is UNL's fourth Fine and Performing Arts dean.

TROY FEDDERSON / UNIVERSITY COMMUNICATIONS

## The Scarlet interview: Charles "Chuck" O'Connor

Dean of Fine and Performing Arts

Charles "Chuck" O'Connor became dean of UNL's Hixson-Lied College of Fine and Performing Arts on July 1. He was a professor in UNL's Department of Theatre Arts from 1993 to 2003. He was most recently dean of the College of Visual and Performing Arts at Indiana University-Purdue University Fort Wayne, a post he held since 2008. O'Connor sat down with University Communications' Troy Fedderson for this Q&A on Aug. 9.

### What drew you back to UNL?

I left UNL nine years ago to reluctantly pursue opportunities that were not available here at that time. I always wanted to come back, but never thought I would get the opportunity. Then last summer I got a phone call and learned this job here at Nebraska had opened up. It was a dream come true.

### What do you like so much about the Midwest?

I grew up in the suburbs of Phoenix and LA. We moved here not knowing what it would be like to live in the Midwest, but I fell in love with the open space and the sky. The pace of living here is also very nice. The art scene in Lincoln is wonderful and we have great street life. Lincoln has many things the big cities offer, just without the crowds and hassles.

### What is the state of fine and performing arts at UNL?

It's probably a little too early to tell, but I believe the state of the arts here are very, very good. We have a fabulous theatre and film program that is basically one of a kind in the nation. The music program has grown tremendously. And we have programs within art and art history that are among the best in the country. This college has a lot of strengths, but there's always room to improve.

### What are your goals for the college this academic year?

Much of this first year will be about seeking information and getting a feel for the space. But I do feel we need to really look at ways we can grow. We need to examine our enrollment trends, find out what courses students are interested in taking and see if we can match that data to classes we offer. My hope is we end this year knowing how and where to grow this college. We need to take

advantage of our strengths and develop plans to overcome weaknesses.

### What about long-term goals for the college?

Ten years from now, I hope to say this is one of the most distinct and highly regarded FPA colleges in the Big Ten Conference. We have the potential to be a college of national distinction. Universities are changing a lot right now. New disciplines are energizing the FPA fields, but a lot of universities that are more mature and bigger than us have not been able to move into these fields. I believe our faculty are ready for change and that this college is flexible enough to move into these new areas that will be highly prevalent in the next decade. This would allow us to form our own unique identity and make our mark.

### How important is it for FPA faculty to find balance between teaching, research/creative activity and community outreach?

Balance is different for each one of us. The best thing for faculty to understand is that each one of us has their own individual way of defining where our specialty is. On the flip side, you also should not be afraid to change what you do, what you teach and what you are interested in. Ten or 12 years ago, I was tired of doing the thing I had been doing for 20 years. I decided to get into computer visualization and UNL allowed me the freedom to do that. I welcome discussions about how faculty can better balance their evolving interests over time. It's important that faculty are happy and productive.

### What do you do for fun away from work?

Being in the arts is an all-consuming world and I'm often attending performances or exhibit openings. I'm lucky that my wife likes to do that as well. In my free time, I like bike riding and exercising. I'm fluent in Spanish and take every opportunity I can to speak it with anyone gracious enough to put up with me. I also have played the guitar since I was 13 years old and risen to a level where I'm a legend in my own mind.

Chuck O'Connor, FPA dean

### How active do you plan to be in the local arts scene?

I plan on being very active in the arts scene in Lincoln and Nebraska because I plain old enjoy it. Our alumni, faculty and students are a part of making the arts scene go across Nebraska. And it's only natural that a dean of fine and performing arts has a strong interest in the arts inside and outside the college.

### What do you want faculty and staff to know about Charles O'Connor?

For people who knew me before, I would like to have them know that in many ways I've changed. I also assume you have changed in many ways. So, that means this is a great opportunity to get to know each other anew. I'm open to new ideas and I want people to know this is a place where feasible and good ideas can see the light of day. I do not want to restrict the creative thinking of our faculty. I want them to put everything on the table. Give me your best ideas.

### What do you do for fun away from work?

Being in the arts is an all-consuming world and I'm often attending performances or exhibit openings. I'm lucky that my wife likes to do that as well. In my free time, I like bike riding and exercising. I'm fluent in Spanish and take every opportunity I can to speak it with anyone gracious enough to put up with me. I also have played the guitar since I was 13 years old and risen to a level where I'm a legend in my own mind.

### If you had an unlimited budget to bring one band/musician, visual artist and stage performance to UNL, what would be your choices?

You are asking me to make Solomon-like choices here. I would love to have Gustavo Dudamel, conductor of the Los Angeles Philharmonic, here so that people can hear just how exciting classical music can be (though they could feel that as well at many of our UNL and Lincoln Symphony concerts). I am all over the board with my tastes in fine art, but of all the artists that have ever lived, Mark Rothko touches me the most. So a retrospective of his work at the Sheldon would be perfect. As for theatre, a week of having Stephen Sondheim around would be like heaven. He is the most interesting man in the world to me. And, oh yes, Bruce Springsteen.

## Explore Center ready to assist students undecided on major

By Troy Fedderson  
University Communications

A new center within Academic Affairs has been created to assist undergraduate and pre-professional students who have not selected a major area of study.

The center, called the Exploratory and Pre-Professional Advising Center, replaces the Division of General Studies. The Explore Center features six advisers to assist students and is led by Katie Kerr, assistant director. Further oversight is provided by Bill Watts, director of campus advising services and the College of Arts and Sciences' assistant dean for student success.

The Explore Center combines advising assistance for undecided undergraduates (formerly part of General Studies) and pre-law and pre-health students (formerly part of the Arts and Sciences advising center). The center advisers also assist students transitioning to new majors.

"The Explore Center does some of the same things as general studies and some of the same as the Arts and Sciences advising center," said Watts. "We have combined these staffs to gain efficiencies and generate synergy in how we serve students."

Amy Goodburn, associate vice chancellor in Academic Affairs, said the Explore Center was created to better address the needs of undecided and pre-professional students.

Academic Affairs is providing funds to renovate the Explore Center space, located in room 33 of Canfield Administration Building. When completed, the renovation will include a conference room.

The Explore Center is also developing a website, <http://explorecenter.unl.edu>.

For undergraduates who are undecided on or transitioning to a new major the Explore Center offers many services including the chance to: learn about different majors; select classes for interest areas that allow

students to stay on track for graduation; and connect with Career Services.

The Explore Center will assist pre-professional students by offering: information in pre-law and pre-health areas of interest; academic planning and prerequisite course selection for professional school requirements; engagement in beyond-academic activities; and preparation for professional school application, admission exam and interview processes.

Each student entering the fall semester undecided in a major, including undecided pre-health and pre-law students, has been assigned to one of the six advisers in the center. In addition, each of the advisers in the office is cross-trained to help any student who walks through the door.

Along with Kerr, staff members are: Jaci Gustafson, academic adviser; Shonda Hertle, academic adviser; Kristin Plath, academic adviser; Erin Sayer, coordinator of pre-pro-

fessional advising; Carmen Varejcka-McGee, academic adviser; and Mikayla Tegler, administrative technician.

Kerr said staff is working closely with Career Services to offer related services to students. She said they are also working with Admissions to recruit students who are undecided on a major.

"We want students to know that, if they are undecided on a major, UNL has a place for them to go to explore their academic options," said Kerr. "Students will spend quality time here learning about the majors and opportunities that UNL offers."

"Once they select a major, we will connect them with faculty and staff in the appropriate college to help them continue on the path to graduation."

For more information on the Exploratory and Pre-Professional Advising Center, send email to [explorecenter@unl.edu](mailto:explorecenter@unl.edu) or call 402-472-3605.

## NUtech Ventures hires two to assist with campus startups

By Jill Thayer  
NUtech Ventures

A new Startup Mentor and Accelerator Program has been initiated by NUtech Ventures to help identify and assist in the creation and incubation of new startup companies from the University of Nebraska.

The program will be led by new entrepreneur-in-residence Brian Ardinger and NUtech fellow Luke Smith.

NUtech Ventures is the nonprofit organization responsible for building partnerships between the University of Nebraska and the private sector.

Under the new Startup Mentor and Accelerator Program, Ardinger and Smith will work with university innovators to develop a business model, conduct market research and prepare startups for investor pitches.

"Under this new program, NUtech Ventures marks a new focus on technology-based companies originating at the university," NUtech Ventures executive director David Conrad said. "NUtech has concentrated on licensing technologies to existing businesses, along with a handful of startup companies each year. The new program will bring increased attention and expertise to university startups, better preparing them for investment, market penetration and overall success."

Ardinger is former chief mar-

keting officer at Lincoln-based Nanonation, a software company creating kiosks, digital signage, and mobile solutions. He is also co-founder of The Big Plate, a member network for entrepreneurs and startups. He holds a bachelor's degree in marketing from the University of Nebraska at Omaha and an MBA from Penn State.

Smith has spent time in engineering and operations at large public companies, as well as a string of startups. He led engineering organizations, manufacturing organizations and product divisions in large public companies. In 1995, he entered the world of startups as vice president of operations, and chief executive for a handful of technology-based companies. Smith has extensive experience obtaining funding for startups. Additionally, he consults, does mentoring and serves as a director in the startup space.

Smith earned his bachelor's and master's degrees in electrical engineering at UNL, then entered the U.S. Army. He also earned an MBA from Westminster College in Salt Lake City.

Additional details of the application process and mentoring program will be announced. To be included on the mailing list or to inquire further, contact NUtech Ventures at 402-500-0717 or at on the Web at [www.NUtechVentures.org](http://www.NUtechVentures.org).

## ASUN hosts Sept. 14 TED event

TED, a non-profit devoted to spreading ideas on technology, entertainment and design, is coming to UNL on Sept. 14.

The Association of Students from the University of Nebraska will host the TEDxUNL event in the Sheldon Museum of Art auditorium on the afternoon of Sept. 14. This is an independently organized TED event that will feature speakers

delivering 10- to 15-minute presentations intended to spark dialogue in the UNL community.

Tickets to attend the TEDxUNL event will be awarded through a lottery. Only 100 individuals will be selected to attend. To enter the ticket lottery, send email of your name and that of a guest to [tedxunl2012@gmail.com](mailto:tedxunl2012@gmail.com) by 5 p.m. Aug. 30.

## MASTER PLAN

continued from page 1

and the NU Foundation's procurement of property at 14th Street and Military Avenue.

Dam said the planning/design firm Sasaki Associates of Watertown, Mass., was selected to lead the master plan project. The firm has spent the summer gathering information about UNL. That information will be presented during the open house sessions.

The open houses will also include the kickoff of a new interactive, online mapping tool that allows individuals to information about how their City and East campuses habits.

"The interactive mapping tool allows people to enter information on a wide range of topics," said Dam. "That information will be put graphically on a map and used by the consultants to get a sense of where people park, the routes they take across campus, places that people see as significant, etc."

"It will provide the consultants with a variety of information that they can use as they look at how to plan the campus for the future."

For the first time, the information gathered will also be used to craft a landscape master plan for the university. Dam said the landscape plan would be used to help develop a strong sense of place on City and East campuses.



From the Archives Brown Palace



Three members of Brown Palace, a non-Greek fraternity cooperative, study in the Brown Palace house in 1955. The Brown Palace was one of several student co-ops that started during the 1930s. The co-ops were designed to make college more affordable, offering low cost food and shelter to students willing to work together handling chores around the house. In the mid-1940s, the monthly charge for room and board in the Brown Palace was \$32.50. Membership in the cooperatives began to dwindle in the 1950s.

"From the Archives" is a regular Scarlet feature on the history of the University of Nebraska. Image provided by the University Libraries' Archives and Special Collections. For more information or to submit an image, send email to [tfedderson@unl.edu](mailto:tfedderson@unl.edu).

## Interior design student earns \$30K award

Fourth-year interior design student Anastasia Czarnick was selected by the Angelo Donghia Foundation for a \$30,000 scholarship as one of 13 winners of its 2012 Student Scholarship Program in Interior Design.

Czarnick is the fifth UNL student in the College of Architecture to have won the Donghia scholarship.

Launched in 2002, the foundation awards scholarships to deserving students who are entering their senior year in a baccalaureate program in interior design. There were

77 student projects submitted by accredited institutions across the country. The \$30,000 scholarships go to support the student's senior year of tuition, housing, books, and other financial support.

Czarnick is a graduate of Columbus High School. She said her project was driven by the interior design program and involved a high-end accessory retail space: an existing four-story building on Bloor Street in Toronto, with the first two floors housing the program.

The main product being sold



Czarnick

## Israel Journal of Plant Science dedicated to Gitelson

A forthcoming edition of the Israel Journal of Plant Sciences has been dedicated to UNL's Anatoly Gitelson. The edition includes a tribute to the Gitelson, a professor of remote sensing in the School of Natural Resources.

The tribute, "A Physicist in the Plant Kingdom," includes a list of Gitelson's publications from 1990 through 2011.

During a celebration with colleagues, students and friends in July, Gitelson received a plaque

showing the cover of the commemorative journal and the inscription, "Friends and colleagues from around the world honor Anatoly Gitelson."

In one of the articles in the special edition, one of his former students, Art Zygierbaum, now an adjunct associate professor at the School of Natural Resources, and co-authors Tim Arkebauer, Elizabeth Walter-Shea, and Dave

Scoby wrote, "Anatoly Gitelson has been a key participant in the research reported here. His considerable insight, knowledge, enthusiasm, humor and encouragement helped guide our work and challenged us to perform rigorous analyses of our data. As a colleague, teacher, mentor, and friend, Anatoly is a vital part of our academic lives and careers. We are proud...to acknowledge Anatoly's contributions to science, and his dedication to his research, students and colleagues."

Gitelson, who specializes in using satellite data to assess plant conditions, is relocating to the Israel Institute of Technology in Haifa in late August to continue his work for UNL.



Gitelson

SENATOR MIKE JOHANNS

JOHN BLOCK

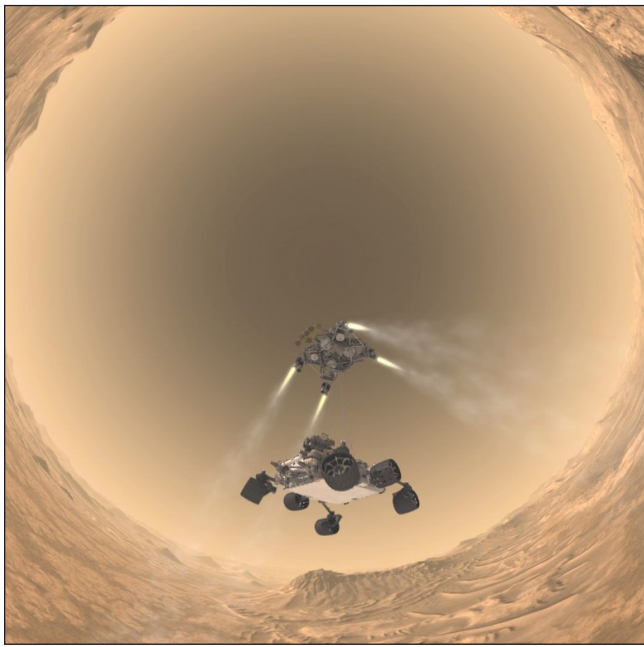
CLAYTON YUTTER

DAN GLICKMAN

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FORMER U.S. SECRETARIES OF AGRICULTURE  
SENATOR MIKE JOHANNS, CLAYTON YUTTER, JOHN BLOCK, DAN GLICKMAN  
7:30 P.M. FRIDAY, SEPTEMBER 28, LIED CENTER, 12<sup>TH</sup> AND R ST.  
TICKETS, WHILE FREE, ARE NEEDED FOR THIS LECTURE. CONTACT THE LIED CENTER TICKET OFFICE, 402-472-4747, STARTING AUG. 28 TO RESERVE TICKETS. PLEASE CLAIM YOUR TICKETS BY 7:15 P.M. SEPT. 28; UNCLAIMED TICKETS WILL BE RELEASED AT THAT TIME.  
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COURTESY IMAGE | JET PROPULSION LABORATORY/CALIFORNIA INSTITUTE OF TECHNOLOGY/NASA  
Full-dome image of the Mars rover “Curiosity” landing full-dome projection.

# Museum partnership fuels planetarium’s Mars rover updates

University Communications

News from Mars is streaming into UNL’s Mueller Planetarium.

Working through NASA’s Museum Alliance, Jack Dunn is turning images and information from the Mars rover “Curiosity” into red planet updates featured in Mueller Planetarium astronomy shows.

“I just felt it was important to tell the story about what Curiosity is doing on Mars,” said Dunn, director of Mueller Planetarium.

**Planetarium schedule**  
**Show:** A Starry Tale  
**When:** 2 p.m. Saturdays and Sundays

**Show:** Forces of Nature  
**When:** 7 p.m. Thursdays, 3 p.m. Saturdays and Sundays.

*Planetarium tickets are \$3 for adults and \$2.50 for children 18 and under.*

The Curiosity updates are provided by Museum Alliance, a NASA program that provides space exploration information to more than 500 subscribing institutions. The Museum Alliance (originally called the Mars Visualization Program) was created as a way to disseminate information when the Mars rover Spirit landed in May 2009.

“We were one of the early adopters of the Museum Alliance,” said Dunn. “I saw it as a great way to get information for our shows. It also gave me, a lowly guy in Nebraska, the chance to participate in teleconferences and ask scientists and engineers questions.

“It was too good an opportunity to miss.”

Now the information stream has developed into a two-way street. Museum Alliance administrators tapped into Dunn’s years of experience and asked him the best way to distribute the graphics, videos and news.

“The JPL animators are not planetarium people. They understood they needed information on what formats work best and how to get it out to people,” Dunn said. “I’ve been advising them on that.”

The Curiosity updates during Mueller Planetarium astronomy shows include the most current news/images and a full-dome video featuring the rover’s amazing landing on Mars. Dunn said the updates are brief but informative.

The current astronomy show schedule at Mueller Planetarium is: “A Starry Tale,” 2 p.m. Saturdays and Sundays; and “Forces of Nature, 7 p.m. Thursdays and 3 p.m. Sundays. For more information, go to [www.museum.unl.edu](http://www.museum.unl.edu).

Admission to Morrill Hall is free (with a valid NCARD) for faculty, staff, students and immediate family. Mueller Planetarium tickets are sold in addition to museum admission. Tickets are \$3 for adults and \$2.50 for children 18 and under and are sold at the museum’s front desk the day of the show.

# Nebraska National Art exhibit, new Medici Gallery open Sept. 7

The Department of Art and Art History will celebrate the first Nebraska National Collegiate Juried Art Exhibition and the opening the new Medici gallery on Sept. 7. Both events will be in Richards Hall.

The Nebraska National exhibition will be open Sept. 7-28 in Richards Hall’s Eisentrager-Howard Gallery. The exhibit will showcase the best undergraduate art-work from students in the United States and Canada. A total of 186 students from 37 states and two provinces submitted 495 art pieces for exhibition. Jurors selected 132 pieces from 97 artists, including 26 ceramics works, 51 photographs and 55 printmaking designs.

“We got an excellent response for the first year of the competition. There is a wide variety of interesting work,” said Pete Pinnell, interim chair of art and art history.

The department intends to make this show an annual event. Each year’s exhibition will feature three different categories on a two-year rotating basis. This year’s categories are ceramics, printmaking and photography. Next year, the categories will be painting/drawing, sculpture and new genres.

Long-time department supporters Dan and Barbara Howard, of Lincoln, created the Howard Awards for Excellence for the first year of the competition. The awards — \$1,000 first prize in each of the three categories and a \$1,500 “Best of Show” prize — are intended to both reward excellence and to attract students to enter the competition.

Pinnell said the exhibition meets two important goals for the department.

“It will expose our students to the best student art work from across the country, and I hope it will also entice the general

public to attend our openings and see what we’re doing here in the department,” he said.

In addition to the gallery show, an online catalog for the exhibition will be available at <http://www.unl.edu/art>.

The Nebraska National will have a special First Friday opening on Sept. 7 from 6-8 p.m. The Howard Awards for Excellence will be announced at 7 p.m. The event is free and open to the public.

The First Friday event will also celebrate the opening of the Medici Gallery, also on the first floor of Richards Hall. A ribbon cutting and dedication will take place at 6:30 p.m. Sept. 7, during the opening of the Nebraska National show. This event will also be free and open to the public.

The \$10,000 cost of the renovation was paid for by Medici, a friends group that supports the Department of Art and Art History.

“The new gallery is being named to honor Medici and the wonderful people who have served with this group over the last 20 years,” said Pinnell. “These volunteers have given their time, money and expertise to support our programs, and we’d like to recognize their contribution.”

Medici will be celebrating its 20th anniversary in the spring of 2013. During its existence Medici has raised nearly \$200,000 for the department.

The first exhibition in the Medici Gallery will be an invitational show of UNL students organized by faculty members in painting, photography and printmaking. The show is tentatively titled “2D: Student Work from UNL” and will stay up until Sept. 28.

For more information, go to [www.unl.edu/art](http://www.unl.edu/art) or call (402) 472-5522.



COURTESY/MATTHEW ALLEN

“Decline,” a photo by Matthew Allen of Gray, Tenn., is one of the pieces selected to show at the Nebraska National Collegiate Juried Art Exhibition. The exhibit opens Sept. 7 in Richards Hall’s Eisentrager • Howard Gal-

## American Life

### in Poetry

By Ted Kooser  
U.S. Poet Laureate, 2004-2006

One of my favorite poems is by Ruth Stone, about eating at a McDonald’s, and I have myself written a poem about a lunch at Arby’s. To these fast-food poems I now propose we add this fine one about IHOP, by Christine Stewart-Núñez, who teaches at South Dakota State University.

#### Breakfast for Supper

At IHOP, after the skinny brunette with a band-aid covering her hickey comes to whisk away burnt toast, Mom mentions Theresa, face brightening. She had a dream about her—80s flip hair, smooth complexion. I’ve been living in Tulsa for eighteen years, Theresa said. I understand. Even as I watched men lower her casket, I fantasized the witness protection program had resettled her.

How funny we look, mother and daughter laughing over scrambled eggs, tears dripping onto bacon, hands hugging coffee mugs. For a moment Mom felt Theresa there. Such faith. Freshen your cup? the waitress asks me, poised to pour. Cloudy in the cold coffee, my reflection. I offer the mug.

Poem copyright ©2011 by Christine Stewart-Núñez from her most recent book of poems, “Keeping Them Alive” (WordTech Editions, 2011). Reprinted by permission of Stewart-Núñez and the publisher. Introduction copyright © 2012 by The Poetry Foundation. This column is made possible by the Poetry Foundation ([www.poetryfoundation.org](http://www.poetryfoundation.org)) and supported by the UNL Department of English. This column does not accept unsolicited manuscripts.

## Annual credit union cookouts Aug. 30-31

The University of Nebraska Federal Credit Union’s annual member appreciation cookout is 11 a.m. to 2 p.m. Aug. 30 and 31. The Aug. 30 cookout is at the East Branch (301 N. 52nd St.), while the Aug. 31 event is at the new Main Branch location (corner of 17th and P streets).

Credit union management and staff will be grilling hot dogs and available to answer questions about the NUFU.

The event will also include a charity raffle for the Children’s Miracle Network. Raffle tickets will be sold for \$1 each or six for \$5. Prizes include an iPad, Visa gift cards and cash.

For more information, call 402-472-2087.

## Classified Ads

### ADVERTISE IT HERE

The Scarlet accepts classified ads. Cost is \$10 for 30 words or less. Emphasis is placed on messages for products or services that have relevance to faculty and staff at UNL. For additional information go online to [www.unl.edu/scarlet](http://www.unl.edu/scarlet), visit 321 Canfield Administration or call 402-472-8515. The classified deadline is 4 p.m., Sept. 20 for the Sept. 27 edition of the Scarlet

### ‘India Reportage’ Journalism and Mass Communications



MORGAN SPIERS | JOURNALISM AND MASS COMMUNICATIONS

Muskan Salim and his classmates sing as a part of their limited curriculum in a slum school in Nangloi, a northwestern district of New Delhi, India on May 11. The Kabir Ambed Kar Mahatma, or KAM School, was developed by Truthseekers, a California based non-government organization, to help catch the children up to what has already been taught in government schools. The program is designed to graduate these “slum children” on to government schools.

## Photojournalism’s India project featured Sept. 13

The work of 11 photojournalism students will be featured in “India Reportage,” a free multimedia presentation, 7 p.m. Sept. 13 at the Mary Riepma Ross Media Arts Center.

The presentation, which is open to the public, will include a slide show and video presentation made by the students. The images and stories were collected during a depth-reporting trip to India in May.

Bruce Thorson and Scott Winter, professors in the College of Journalism and Mass Communications, led the trip. Students traveled to large cities, slums and villages to cover the world’s second most populous country.

The project is one of many in-depth projects that give students real-world international experience.

For more information on the project, go to <http://go.unl.edu/indiareportage>.

## Sheldon artwork inspires new NU Press book

“The Geometric Unconscious: A Century of Abstraction” is a new book published by the University of Nebraska Press and inspired by artworks in the Sheldon Museum of Art.

The book features essays written by painters Jeremy Gilbert-Rolfe and Peter Halley and the Sheldon’s Sharon Kennedy and Daniel Jorge Veneciano.

The essays introduce new thinking about geometric abstraction, a visual

approach that has captivated artists and viewers for more than a century. Topics addressed include European genesis of geometric abstraction, its translation into an American context and its current direction; and charting the style’s aesthetic, intellectual and social implications.

Veneciano, director of the Sheldon, edited the book. Kennedy is the Sheldon’s curator of cultural and civic engagement.

For more information about “The Geometric Unconscious” go to [www.nebraskapress.unl.edu](http://www.nebraskapress.unl.edu).

## calendar

events | films | theater | exhibitions | lectures

### Friday | Aug. 24

Jackie Gaughan Multicultural Center Open House, 3-5 p.m., Gaughan Center. Call 402-472-5000.

Chemistry Colloquium, “Posttranslational Modifications in Natural Product Biosynthesis” by Wilfred van der Dank, University of Illinois, 3:30 p.m., 112 Hamilton Hall. Call 402-472-3523.

### Monday | Aug. 27

Professional Development Day for Educators, 8:30 a.m. to 4 p.m., Nebraska Union Auditorium. Call 402-472-3145.

### Tuesday | Aug. 28

“Tuesday Talk: Planning and Designing the Indigo Gives America the Blues Exhibition,” noon, International Quilt Study Center and Museum. Call 402-472-6549.

Lecture, “Jennifer Steinkamp: Installations,” by video artist Jennifer Steinkamp, Sharon Kennedy, Jeff Thompson and Marissa Vigneault. Reception follows. 5:30 p.m., Sheldon Museum of Art. Call 402-472-2461.

### Wednesday | Aug. 29

“Occupy the Voting Booth,” voter registration drive, 11:30 a.m. to 2:30 p.m., Nebraska Union Plaza.

### Thursday | Aug. 30

School of Biological Sciences Lecture, “The Developmental Physiology of Biology of Size,” Fred Nijhout, 3:30 p.m., 112 Hamilton Hall. Call 402-472-2729.

### Friday | Aug. 31

Campus Observatory Public Night, 9:30 to 11:30 p.m., Stadium Drive Parking Garage.

### Saturday | Sept. 1

Husker football vs. Southern Miss, 2:30 p.m.

### Monday | Sept. 3

Labor Day, university offices closed.

### Tuesday | Sept. 4

Job Search Survival for students, 3 to 7 p.m., Nebraska Union. Call 402-472-3145.

### Wednesday | Sept. 5

New Employee Orientation, 9 a.m. to noon, Nebraska Union. Call 402-472-3106.

Monthly Tornado Test, 10:15 a.m.

Nebraska Gateway to Nutrigenomics Seminar, “Anti-inflammatory and anti-carcinogenic properties of selenium,” by K. Sandeep Prabhu, Penn State, noon, East Union. Call 402-472-3862.

### Thursday | Sept. 6

Chemistry Colloquium/Hamilton Award

## 5to do

### Observatory Open House | Aug. 31

Public open house of the UNL observatory, Stadium Drive Parking Garage, 9:30 to 11:30 p.m.

### Huskers open football season | Sept. 1

Huskers face Southern Miss in the first football game of the 2012 season, 2:30 p.m., Memorial Stadium

### Fiesta on the Green | Sept. 7

Hispanic Heritage Month celebration, 5 to 8 p.m., Nebraska Union Plaza.

### Free Faculty Recitals | Sept. 9, 13, 23 and 25

UNL faculty, including Paul Barnes, Jamie Reimer, Scott Anderson, Karen Becker and the Chiara String Quartet offer free recitals, times vary, Kimball Recital Hall.

### Homecoming Concert | Sept. 27

Featuring Gloriana, A Thousand Miles Left Behind, and guest artist the Emmett Bower Band, 8 p.m., East Campus Mall

Recital Hall. Call 402-472-6865.

Members Only Curator-Led Tour of “Indigo Gives America the Blues” exhibition, 4 to 5 p.m., International Quilt Study Center and Museum. Call 402-472-6549.

### Monday | Sept. 10

Institutional Biosafety Committee, 2 p.m., Ag Warehouse 1. Call 402-472-9554.

### Tuesday | Sept. 11

Employee Service Awards ceremony, 10:30 a.m., Lied Center for Performing Arts.

State of the University Address by Chancellor Harvey Perlman, 11 a.m., Lied Center for Performing Arts.

### Thursday | Sept. 13

School of Biological Sciences Seminar by Peter Reich, 3:30 p.m., 112 Hamilton Hall. Call 402-472-2729.

Reel Talk Movie Series, “Papers,” the story of undocumented youths in the United States, 6 p.m., Gaughan Center. Call 402-472-5500.

India Multimedia Premiere, presentation of education-abroad work, 7 p.m., Mary Riepma Ross Media Arts Center.

Faculty artist, Jamie Reimer, vocal recital, 7:30 p.m., Kimball Recital Hall. Call 402-472-6865.

Chemistry Colloquium, Melanie Cooper, Clemson University, 3:30 p.m., 112 Hamilton Hall. Call 402-472-3523.

### Saturday | Sept. 15

Husker football vs. Arkansas State, 11 a.m.

### Tuesday | Sept. 18

Faculty artists, Chiara String Quartet, 7:30 p.m., Kimball Recital Hall. Tickets required. Call 402-472-4747 for tickets.

### Wednesday | Sept. 19

Lecture, “Lack of Opportunity on the Plains: How Law and Public Policy have Shaped Tribal Economic Development,” Lance Morgan, president and CEO of Ho-Chunk Inc., 3:30 p.m., followed with reception, Great Plains Art Museum. Call 402-472-9478.

### Thursday | Sept. 20

Lecture by Cather Scholar Marilee Lindemann, University of Maryland, 3:30 p.m., Center for Great Plains Studies. Call 402-472-1919.

School of Biological Sciences Lecture by Rebecca Safran, 3:30 p.m., 112 Hamilton Hall. Call 402-472-2929.

Guest artist, Krassimira Jordan, piano recital, 7:30 p.m., Kimball Recital Hall. Call 402-472-6865.

### Friday | Sept. 21

Geography General Seminar, Jeremy Dillon, University of Nebraska at Kearney,

2 p.m., 901 Hardin Hall. Call 402-472-7531.

Chemistry Colloquium, “TEMPO Catalyzed Oxidations of Primary Alcohols,” Robert L. Augustine, Seton Hall University, 3:30 p.m., 112 Hamilton Hall. Call 402-472-3523.

Mathematics Colloquium, Mark Tomforde, University of Houston, 4 p.m., 115 Avery Hall. Call 402-472-7223.

Graduate Program in Shakespeare and Performance, Julie Fox, American Shakespeare Center at Mary Baldwin College, 5 p.m., 104 Temple Building.

### Saturday | Sept. 22

Husker football vs. Idaho State, TBA

### Sunday | Sept. 23

Faculty artists, Scott Anderson, Craig Fuller and Alan Mattingly, 3 p.m., Kimball Recital Hall. Call 402-472-6865.

### Monday | Sept. 24

Mock Interview Day, 30-minute mock interviews; use Husker Hire Link to reserve an interview spot, 8 a.m. to 5 p.m., Nebraska Union. Call 402-472-3145.

### Tuesday | Sept. 25

Education Abroad Fair, 11 a.m. to 2 p.m., Nebraska Union. Call 402-472-5358.

Tuesday Talk, “New Palladian Quilt

Discoveries,” Mary Ellen Ducey, noon, International Quilt Study Center and Museum. Call 402-472-6549.

Ethics Day Lecture, Bill O’Rourke, Alcoa Executive Development Program, patent attorney, 3:30 p.m., Lied Center for Performing Arts.

Discussion, “Spanglish,” a conversation and language, communication and culture. Guest facilitator, 5 p.m., Unity Room, Gaughan Center. Call 402-472-5500.

Faculty artist: Karen Becker, cello recital, 7:30 p.m., Kimball Recital Hall. Call 402-472-6865.

### Wednesday | Sept. 26

Nebraska Gateway to Nutrigenomics Seminar, “Regulation of Glycine N-Methyltransferase and Homocysteine: Critical Determinants in Health and Disease,” Kevin Scholinske, Iowa State, noon, Garden Room, East Union. Call 402-472-3862.

### Thursday | Sept. 27

Global Studies Colloquium, “Religion, Secularism and Democracy in Turkey,” Ramazan Kilinc, UNO, 11:30 a.m., Nebraska Union. Call 402-472-1663.

School of Biological Sciences Seminar, Donald Burke, 3:30 p.m., 112 Hamilton Hall. Call 402-472-2729.

Career Fair Prep and Resume Review Night, featuring employer panel and

### An Evening with David Sedaris

**When:** 7:30 p.m., Oct. 31

**Where:** Lied Center for Performing Arts  
[www.liedcenter.org](http://www.liedcenter.org)

Sedaris will present an evening of engaging recollections and featuring all-new readings.

Tweaking the familiar until it warps, Sedaris mines poignant comedy from his peculiar childhood, his bizarre career path, and his move with his lover to France. Including his last release, New York Times No. 1 bestselling book,

“When You Are Engulfed in Flames,” Sedaris’ wickledly witty observations of the ordinary-bizarre is always sure to deliver insights and laughs.

Sedaris made his comic debut recounting his strange-but-true experiences of being a Macy’s elf, reading his “Santaland Diaries” on NPR’s “Morning Edition” in 1992. His sardonic humor and incisive social critique have made him one of NPR’s most popular and humorous commentators.

Tickets are \$48, \$43 and \$38 for the general public and \$20 for UNL students (Section 3 seating). Tickets are available in person at the Lied, by calling 402-472-4747, or at [www.liedcenter.org](http://www.liedcenter.org).

Indigo Gives America the Blues, Sept. 7 to June 2

Kruger Gallery  
[krugercollection.unl.edu](http://krugercollection.unl.edu) | 472-3560

Contrast, through March 15

State Museum, Morrill Hall  
[www.museum.unl.edu](http://www.museum.unl.edu) | 472-2642

Minerals and Meteorites, through November 2013

Charlie and Kiwi’s Evolutionary Adventure, through Sept. 14

Sheldon Museum of Art  
[www.sheldon.unl.edu](http://www.sheldon.unl.edu) | 472-4524

Turning Inside Out: Video Art by Joan Jonas, Nam June Paik and Jennifer Steinkamp, through Sept. 9

A Legacy of Giving: The Anna and Frank Hall Collection, through Sept. 16

The American Mountain Bicycle, through Sept. 30

Five Decades of Collecting, through May 5

### Cinema | UNL screenings

Movies are at the Ross Media Arts Center unless otherwise noted.

5 Broken Cameras, Aug. 24-30

Mosquita y Mari, Aug. 24-30

UPC and Second Chance Cinema Presents “The Avengers,” Aug. 29, 7 and 9:45

p.m., UNL students only

The Invisible War, Aug. 31-Sept. 6

Celeste and Jesse Forever, Aug. 31-Sept. 13

The Imposter, Sept. 7-13

At Weiwei: Never Sorry, Sept. 14-20

2 Days in New York, Sept. 14-27

Sleepwalk with Me, Sept. 21-Oct. 4

UPC and Second Chance Cinema Presents “The Amazing Spiderman,” Sept. 26, 7 and 9:45 p.m., UNL students only

**Planetarium | Morrill Hall**  
[www.museum.unl.edu](http://www.museum.unl.edu)

A Starry Tale, 2 p.m., Saturdays and Sundays

Forces of Nature, 3 p.m., Saturdays and Sundays, and 7 p.m., Thursdays



# Global Gateway education abroad program wins grant



Karina Pedroza of South Sioux City is pictured exploring Machu Picchu in Peru. Pedroza studied in Argentina and Peru with support from UNL's Global Gateway Program.

## International Affairs realigns to better serve students

On July 1, Academic Affairs made some significant changes to International Affairs and its key services, UNL Senior International Officer Dave Wilson said.

The goal of the new structure is to further the internationalization of the UNL campus to ensure that students are globally competent, well-prepared for an increasingly complex and interdependent world, and to help UNL attract, enroll, orient, and graduate international students, Wilson said. Representatives from Undergraduate Admissions, Student Affairs, Graduate Studies, the deans' council, and International Affairs have spent the last few months discussing the best way to provide excellent service to faculty, staff, and students. Wilson said the first results of these conversations are:

— A new International Engagement website, providing a central point for all things international at UNL, is taking shape at <http://international.unl.edu>.

— International Students and Scholars Office, "ISSO," has moved to the 2nd floor of Seaton Hall and reports to Laurie Bellows. The ISSO helps international students and scholars maintain their immigration status and comply with U.S. employment regulations; assists UNL departments and colleges in their efforts to hire and retain international researchers and faculty; and serves as a liaison with the U.S. Citizenship and Immigration Services in matters related to international visitors studying and working at UNL. The ISS staff can be reached at 402-472-0324.

— "Study Abroad" has become "Education Abroad." The name change is designed to emphasize the intentional educational component of studying abroad. The Education Abroad Office is the primary point of contact for all UNL education abroad programs. EAO staff help students identify and select education abroad options; collaborate with colleges, departments and faculty leaders during the program development process; manage an online application process (using newly implemented MyWorld software); and promote education abroad and international education opportunities to UNL students. The staff will remain in

UNL's Global Gateway Program has received a \$235,000 grant from the University of Nebraska Foundation. Now in its fourth year, the program provides assistance and preparation for students seeking to take part in education abroad. This is the fourth grant it's received from the foundation.

Karina Pedroza of South Sioux City, Neb., took advantage of all Global Gateway offers and recently completed education abroad in Argentina and Peru.

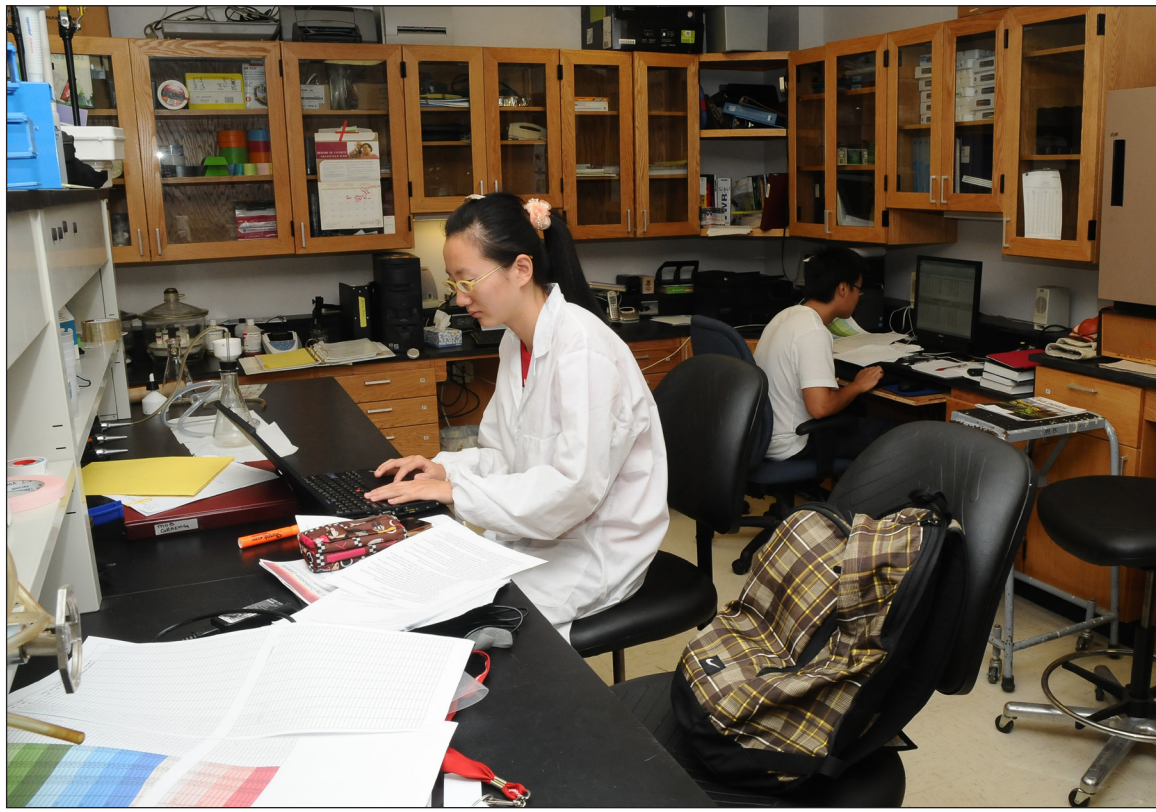
"With every experience while studying abroad, I gained confidence in myself and grew as a person," says the senior who's taking ethnic studies and psychology. "On

top of my new surge of confidence, I have realized how important hard work, determination and perseverance really are for success. Studying abroad has given me a renewed hunger for results."

The NU Foundation's board of directors awarded six grants totaling more than \$760,000 to the University of Nebraska, including the grant to UNL. Each year the chancellors submit proposals for the grants, which are made possible because of unrestricted donations made to the foundation. These unrestricted donations account for one percent of all gifts and are allocated to each campus through this annual grants program.

University President James B. Milliken requested this year's grant proposals relate to the priorities of the Campaign for Nebraska, a comprehensive fundraising initiative to raise funds for university priorities. Global engagement is a top priority of the campaign.

"While the vast majority of gifts to the university are designated for a specific use by donors, we are grateful for these unrestricted gifts that make our grant program available to the university," said Barbara Weitz of Omaha, chair of the grants committee. "It's inspiring to know these grants will help connect many more students with the world around them."



Northwest A&F University students (from left) Zhang Xiao and You Zheng work in Martha Mamo's East Campus lab. The Chinese students were at UNL from July 8 to Aug. 13.

### VISITORS

continued from page 1

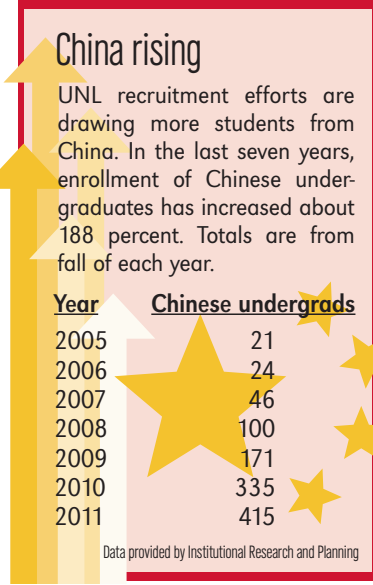
make inquiries, asking if 20 of their students could come to Nebraska in the summer.

"That's when I learned that things happen quickly when you work with the chancellor," said Yoder.

Working with Yoder's staff, Madhavan Soundararajan, a professor of practice in biochemistry, agreed to solicit faculty for participation.

"I was initially worried because it was short notice and the majority of faculty are gone during the summer," said Soundararajan. "When I made my request, many of the faculty put the university's interests first. They were very accommodating."

The research interests identified by the 18 students were matched to 11 UNL faculty working in similar areas. Four researchers — Martha Mamo, Ed Harris, Suat Irmak and



Jayne Stratton — hosted more than one of the students. Irmak assisted five of the visiting undergrads.

"It just happened that my research was a good fit for many of them," said Irmak. "Overall, I think it was a great experience for myself,

my team and the visiting Chinese students."

Four of those five now plan to apply for graduate school and work on master's degrees in Irmak's lab.

"I also thought these students were a really good fit for UNL," said Irmak. "The research topic areas of all the students I met were in areas of expertise here."

Along with working on research projects, the Northwest A&F students also toured campus facilities, learned about lab safety, visited a variety of museums and the Nebraska State Capitol and attended recreational and entertainment events. Each student also met regularly with faculty mentors and closed out the experience by presenting results of their research.

"When the request was made, we were asked to provide a cultural experience along with the research experience," said Yoder. "I think we accomplished both goals and hope this will be an ongoing relationship."

### Northwest A&F undergraduates Areas of study

Many of the researchers involved in the Northwest A&F University Undergraduate Research Experience reported that the visiting students were a good fit with their research interests melding with UNL's areas of expertise. Here are some of the research interests listed by the visiting scholars.

- Food Microbiology
- Food Nutrition
- Detection of bacteria in infant formula milks
- Gene cloning of pathogens or microorganisms
- Hydrographic circulation
- Resource microbiology
- Hydrology and water resources
- Plant nutrition
- Apple variety and development
- Hillside protection
- Detection of mercury in soil
- Soil erosion
- Contaminated soil remediation
- Protein function
- Disease mechanisms



Ding Yongbo works on a salmonella culture in the food science and technology lab of Harshavardan Thipareddi. Yongbo's research area was the isolation and detection of bacteria in infant formula milks.

## NSF grant to guide irrigation management tool to market

In the midst of the worst drought in more than half a century, U.S. farmers are drawing on their best defenses — the center pivot and their experience dealing with some of the harshest conditions Mother Nature can deal.

Now a UNL computer engineer is preparing to give them a new tool for their irrigation management arsenal — one that has the potential to decrease costs, conserve water, and improve yields.

Mehmet Can Vuran, assistant professor of computer science and engineering, has spent years developing wireless underground sensor networks to give agricultural producers real-time information about soil moisture and changing conditions that would allow them to more efficiently manage irrigation. He's had the help of doctoral student Xin Dong, as well as a five-year, \$418,760 grant from the National Science Foundation's Faculty Early Career Development Program to further develop the technology.

A new grant will help them take the idea to market. Vuran, Dong and their entrepreneurial team have

been awarded a \$50,000 NSF Innovation Corps award. Known as the I-Corps, the program's goal is to guide toward commercialization promising scientific discoveries that offer great benefits to society.

The team will use the grant to assess the viability of the technology for a new start-up enterprise. The team also will complete a specially designed training curriculum and present their products to venture capitalists at the end of the six-month program.

NSF specifically sought out discoveries that offer near-term benefits to society or the economy.

The team also is working with Nutech Venturesto commercialize this technology.

The UNL team is among 55 winners nationwide in this round of the program that was established by NSF in 2011. A team led by UNL chemist Stephen DiMigno was among the inaugural winners and has since gone on to establish a startup company that develops new imaging agents for staging and management of certain cancers and neurological disorders.

<http://go.unl.edu/m8i>

### Research & Creative Activity

## Scientists create matter that dents diamonds

By Tom Simons  
University Communications

What do you get when you take buckyballs, soak them in a particular solvent and crush them under the pressure of more than 300,000 atmospheres?

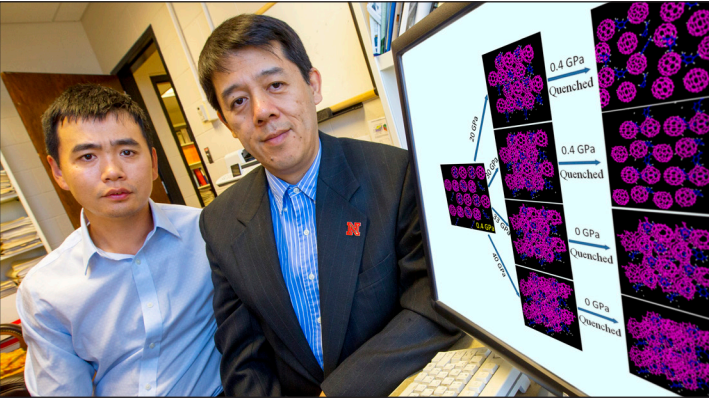
The obvious answer is a bunch of crushed buckyballs. But a team of scientists that included UNL chemist Xiao Cheng Zeng has found that by using the right solvent at the right pressure, they created a new form of matter that they termed an "ordered amorphous carbon cluster." It's so hard it can dent diamonds, the hardest known substance.

Like diamonds, buckyballs (technically buckminsterfullerenes) are made of carbon. They're a well-ordered, cage-like structures of 60 carbon atoms that look remarkably like soccer balls. When the scientists smashed them, they lost their cage-like structure, as expected. What wasn't expected was what they turned into.

"It's a new form of matter not seen before," said Zeng, Ameritas University Professor of Chemistry at UNL. "The buckyballs originally are ordered, but if we crush them, it's an ordered amorphous carbon cluster. They become a mess, but they are still in a long-range order."

"And it turns out this new form of matter is super hard. It can indent diamonds."

The discovery was announced in a paper published in the Aug. 16 issue of the international jour-



Xiao Cheng Zeng (right) and postdoctoral researcher Hui Li with their computer-generated images of what happens to buckyballs (pink) when they're infused with molecules of the C8H10 solvent (blue), then crushed by intense pressure and released.

nal Science.

The scientists infused the buckyballs with a solvent with the chemical designation of C8H10 (eight carbon atoms and 10 hydrogen atoms), an aromatic hydrocarbon based on benzene ("aromatic" meaning the atoms can share electrons).

Using a device called a diamond anvil cell, lead author Lin Wang of the Carnegie Institution of Washington in Argonne, Ill., subjected the buckyballs to steadily increasing pressures. Below approximately 30 gigapascals (nearly 300,000 atmospheres), the buckyballs bounced back to their normal shape after decompression. Above 32 gigapascals, however, the cages completely collapsed and transformed into amorphous clusters, but remarkably maintained their long-range order after decompression.

Subsequent X-ray tests measured and confirmed the structure.

Zeng said there were several scientific motivations for the work, especially the never-ending search by materials scientists for new forms of matter. A second factor is the search for technologically useful matter. The fact that the new, super-hard form of matter preserves its high-pressure structure in ambient condition is very important for possible future practical applications.

The research was supported by the Office of Science, National Nuclear Security Administration, the Office of Basic Energy Sciences in the U.S. Department of Energy, and the National Science Foundation. Zeng and Li's portion of the research was also funded in part by the Nebraska Research Initiative.

Read more at <http://go.unl.edu/hqz>

## \$3.5M grant to aid special needs teens, parents

By Kelly Bartling  
University Communications

Teenage kids "kind of get lost in the system." They're almost adults, and not really needing to be protected like babies or young children — or so it may seem.

Special education researcher Alexandra Trout of UNL disagrees with this conventional attitude and wants to take a fledgling program nationwide. A \$3.5 million grant from the Department of Education's Institute for Education Sciences will help her and a team of researchers, educators and family service workers from UNL, Boys Town, and surrounding Lincoln and Omaha agencies intervene to help special-needs teenagers and their parents be successful at home and school.

Trout's program, "On the Way Home," is family-centered academic aftercare services targeted to older children served in out-of-home care. Many of the children have learning or educational behavior disabilities. Many are at risk because of poverty, psychological distress, limited parent involvement or educational support.

They are at risk for becoming school dropouts or academic failures — or worse.

"Children who transition from out-of-home care back to the home tend to fall apart because few services are available to support them," said Trout, associate research professor at UNL's Center for Child and Family Well-Being.

The new grant will prove the efficacy of the On the Way Home program and replicate its model



UNL's Alexandra Trout pictured on the Boys Town campus with Boys Town researchers (from left) Patrick Tyler, McLain Stewart and Ronald Thompson.

for other agencies. On the Way Home consists of three evidence-supported interventions: "Check and Connect" — a dropout prevention intervention program; "Common Sense Parenting" — a parent training program; and homework support.

All services are provided by a Boys Town family consultant over a one-year period starting shortly before the youth leaves care. UNL is partnering with Boys Town National Research Institute on the clinical research. Other Lincoln and Omaha area agencies participating include Cedars Home for Children in Lincoln, Christian Heritage, NOVA Treatment Community in Omaha, OMNI Behavioral Health in Lincoln and Omaha Home for Boys.

Read more at <http://go.unl.edu/syn>

## Brain sees men as people, women as body parts

When casting our eyes upon an object, our brains either perceive it in its entirety or as a collection of its parts.

A new study suggests that these two distinct cognitive processes also are in play with our basic physical perceptions of men and women — and, importantly, provides clues as to why women are often the targets of sexual objectification.

The research, published in the European Journal of Social Psychology, found in a series of experiments that participants processed images of men and women in very different ways. When presented with images of men, per-

ceivers tended to rely more on "global" cognitive processing, the mental method in which a person is perceived as a whole.

Meanwhile, images of women were more often the subject of "local" cognitive processing, or the objectifying perception of something as an assemblage of its various parts.

The study is the first to link such cognitive processes to objectification theory, said Sarah Gervais, assistant professor of psychology at the study's lead author.

In the study, participants were randomly presented with dozens of images of fully clothed, average-looking men and women. Each person was shown

from head to knee, standing, with eyes focused on the camera. After a brief pause, participants then saw two new images on their screen: One was unmodified and contained the original image, while the other was a slightly modified version of the original image that comprised a sexual body part. Participants then quickly indicated which of the two images they had previously seen.

The results were consistent: Women's sexual body parts were more easily recognized when presented in isolation than when they were presented in the context of their entire bodies. But men's sexual body parts were recognized better when presented in the context of their entire bodies than they were in isolation.

Read more at <http://go.unl.edu/wp6>

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## Thompson Forum focussed on religion, rights, politics

By Jean Ortiz Jones  
University Communications

The E.N. Thompson Forum on World Issues, a preminent lecture series at the University of Nebraska-Lincoln, will focus on the theme "Religion, Rights and Politics" for its 2012-13 season, which launches Oct. 2.

This season will examine connections between religious faith, politics and human rights globally, particularly as they may be manifested in various kinds of conflict, said Lloyd Ambrosius, chair of the Thompson Forum Program Committee and professor of history. A variety of distinguished speakers have been assembled to offer Nebraskans new perspectives on religion's central role in both conflict and its resolution.

"When we look at the wars in Iraq and Afghanistan and at acts of terrorism around the world, including in the United States, we see religious dimensions to almost every one of those conflicts," he said. "Even when these didn't necessarily appear on the surface, religion often was a dividing line between different groups of people."

Forum speakers will address religion's ability to unite and divide Americans and other peoples, international religious freedom, the death penalty debate, human rights concerns, and the role of women in religion, among other issues.

All lectures will be presented in the Lied Center for Performing Arts. All are free and open to the public, but require a ticket to attend. Tickets are for general admission seating, and are free. Fall semester lecture tickets are available now. Spring semester lecture tickets will be available beginning Jan. 2. To reserve tickets, call the Lied Center at 402-472-4747 or 800-432-3231. Tickets may also be picked up in person or ordered by downloading a form from the forum's website, <http://enthompson.unl.edu>.

Sign language interpreters will be available at each lecture.

Forum lectures will be available live online at [www.unl.edu](http://www.unl.edu) as well as on Lincoln TimeWarner Cable Channel 21, NETSAT 105, UNL campus Channel 8 and UNL's KRNU radio (90.3 FM).

The lecture series is a cooperative project of the philanthropic Cooper Foundation, the Lied Center and UNL. It was established in 1988 with the purpose of bringing a diversity of viewpoints on international and public policy issues to the University of Nebraska

### E.N. Thompson Forum 2012-2013

Dates and speakers for the 2012-13 E.N. Thompson Forum season are:

**Oct. 2, 7:30 p.m.** — Robert Putnam, author and a professor of public policy at Harvard University, will present "American Grace: How Religion Divides and Unites Us." The lecture — this season's Governor's Lecture in the Humanities — is co-sponsored by the Nebraska Humanities Council.

**Oct. 17, 7 p.m.** — South African theologian Charles Villa-Vicencio will present "Violence, Religion, Financial Muscle and Liberation: Can Africa Heal Itself?" The appearance will start this year's Carroll R. Pauley Memorial Endowment Symposium and is co-sponsored by the UNL Department of History.

**Nov. 28, 7 p.m.** — Nebraska Solicitor General J. Kirk Brown and Michael Radelet, professor of sociology at the University of Colorado Boulder, will present the Chuck and Linda Wilson Dialogue on Domestic Issues, "The Death Penalty: Justice, Retribution and Dollars."

**Feb. 4, 7 p.m.** — Author and human rights advocate Felice Gaer, director of the American Jewish Committee's Jacob Blaustein Institute for the Advancement of Human Rights, will present "Protecting the Human Rights of Religious Minorities Worldwide: International Religious Freedom in U.S. Policy." This event is co-sponsored by the Harris Center for Judaic Studies.

**Feb. 26, 7 p.m.** — Nobel Peace Prize laureate Shirin Ebadi, the first Iranian and Muslim woman to be awarded the Prize, will present "True Islam: Human Rights, Faith and Women."

For more information, go to <http://enthompson.unl.edu>

and the residents of the state to promote understanding and encourage debate.

## Exam services announces new hours

New operating hours for Exam Services are 8 a.m. to noon and 1 to 5 p.m. The office will be open all day (including the lunch hour)

during finals week. For more information, send email to [examservices@unl.edu](mailto:examservices@unl.edu).

## Free technology training courses offered

Information Services is offering a series of free technology training sessions designed for UNL faculty. The one-hour, Power Classroom workshop topics include MyUNL

Blackboard, i>Clicker, PowerPoint, Adobe Connect and Maple T.A. For more information, or to register for a workshop, go to <http://go.unl.edu/n2u>.

## Next edition of the Scarlet is Sept. 27

The next edition of the Scarlet publishes Sept. 27. The deadline to submit items for publication is 4 p.m., Sept. 20.

For more information, send email to [tfedderson2@unl.edu](mailto:tfedderson2@unl.edu) or call 402-472-8515.



## School Consolidation in the Great Plains

April 5-6, 2013  
Kearney, Nebr.

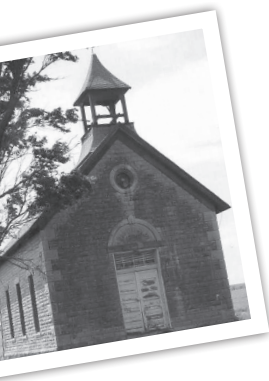
The 39<sup>th</sup> Interdisciplinary Symposium presented by the University of Nebraska's Center for Great Plains Studies will be held in 2013 at the University of Nebraska at Kearney and the Younes Conference Center in Kearney.

The symposium will address such questions as: What are the causes and consequences of consolidation? What are its effects on students? What are its wider effects on rural communities and the rural quality of life? Is it possible to respond to population shifts in ways that better recognize the value of local schools in the life of a rural community? Are there alternatives?

Proposals deadline: Nov. 1, 2012. For a complete Call for Papers, see the web site listed below.



UNIVERSITY OF NEBRASKA  
Kearney



PHOTOS:  
Glen School Flag Pledge S.W. of Ft. Robinson, NE, by Charles Guldner, Great Plains Art Museum.  
Kansas Heritage Group, "One Room School House Photo Album 1/10134AMN1," <http://www.kansasheritage.org/orsh/gallery/> (accessed April 3, 2012).

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COURTESY

# Schaffert earns grant to build Trans-Mississippi Expo archive

Timothy Schaffert has turned research for a novel into a grant award to develop an online archive of materials from Omaha’s 1898 Trans-Mississippi Exposition.

The assistant professor of English has received a digital fellowship from the Plains Humanities Alliance, a program administered by the University of Nebraska’s Center for Great Plains Studies. He is using the grant to develop content and archival materials for the project in collaboration with the UNL Center for Digital Research in the Humanities.

“The general idea is to create an archive that will serve everyone, from the amateur historian to the scholar,” said Schaffert. “I want to let people dabble or immerse themselves in the world of the exposition and come away with a distinct sense of the period.”

Schaffert’s interest in the period grew as he worked on his novel “The Swan Gondola.” The 1898 Trans-Mississippi Exposition and turn of the century Omaha serve as the backdrop for the novel.

“I started to research the period because I wanted some level of accuracy and authenticity in the story, particularly about the roles of women and history of theater,” said Schaffert. “I was using a number of different collections and resources when it occurred to me that a central archive would be useful.”

He mentioned the project to Kay Walter, co-director of the Center of Digital Research in the Humanities. That discussion led to a meeting with Wendy Katz, associate director

and project administrator for the Center for Great Plains Studies.

“The website and grant all evolved from those meetings,” said Schaffert.

Schaffert is working with Omaha Public Library, which already has a Trans-Mississippi Exposition online resource including a set of photographs by F.A. Rinehart, the official photographer for the exposition. But Schaffert intends to add to that resource by identifying more resources open to the public and finding new collections and items not yet archived. His online resource will be housed on a website sponsored by the UNL Center for Digital Research in the Humanities.

Schaffert said the resource will open with a short narrative on the fair then feature links to resources such as the Wakefield Scrapbook by Mrs. John Wakefield, who served as the exposition’s first historian; a calendar of the exposition; a gallery of images, maps and blueprints of the fair, buildings and exhibits; the Indian Congress; a historiography; and publications from the fair.

Schaffert has created a Facebook page called “Trans-Mississippi & International Exposition (Omaha World’s Fair)” at [www.facebook.com/TransMissExpo](http://www.facebook.com/TransMissExpo).

The website is in the planning stages. Schaffert plans to bring the site online next year.

Besides finding scholarly resources, Schaffert is looking for materials from individual collections. He can be reached at [tschaffert2@unl.edu](mailto:tschaffert2@unl.edu) or 402-472-0908.



Schaffert

# UNL joins tropical studies consortium

By Jean Ortiz Jones  
University Communications

In keeping with efforts to further internationalize campus, UNL has become a member of the Organization for Tropical Studies. The OTS is a consortium of more than 60 universities and research institutions that provides diverse international opportunities for students and faculty to study, work, and conduct research in tropical countries.

Since its founding in 1963, OTS has become recognized the world over for excellence in research and education at the undergraduate and graduate level in a wide range of topics including ecology, botany, entomology, international medicine, and public health, with an emphasis on emerging issues of tropical regions. Each year, OTS trains more than 400 undergraduates, graduates, and professionals in rigorous, hands-on, inquiry-based field courses (both summer and semester-long) which are jointly taught by faculty from OTS member institutions and local scientists. OTS holds courses and facilitates research through its three state-of-the-art research stations in Costa Rica and also conducts courses in Peru, Brazil, Guyana, and South Africa.

“Membership in OTS broadens the range of educational and research opportunities for our undergraduate and graduate students in many emerging cross-cultural and interdisciplinary topics and adds an important element to the internationalization of our curriculum and research,” said Greg Snow, associate dean for research in the College of Arts and



COURTESY

Students of the Tropical Plant Systematics course are pictured observing the marshlands at Palo Verde National Park, Costa Rica, this past June.

Sciences.

UNL students and faculty are already taking advantage of membership in OTS: Three graduate students in the School of Biological Sciences — Jay Stafstrom, Julia Dupin and Melissa Whitman — took OTS courses and conducted research in Costa Rica this past summer. Stafstrom described the experience as an unparalleled opportunity to be “surrounded by like-minded researchers, all intensely curious about the natural world and launch collaborative research projects that will grow for years to come.” His doctoral research, partly funded by the OTS grants, builds on the research he began during his OTS course. Dupin, who along with Whitman took the six-week tropical botany course, said she feels it gave her outstanding training in plant diversity and made her part of an “international network of tropical plant biologists.”

Stacey Smith, assistant profes-

sor of biological sciences, was a resource faculty for that botany course. Sheri Fritz, professor of Earth and atmospheric sciences, is leading an OTS-funded research catalysis workshop next spring on Amazonian and Andean diversity. The workshop proposes to integrate new genetic tools with new conceptual and methodological advances in geology to test key hypotheses about the patterns and origins of tropical forest diversity in South America. This interdisciplinary integration will be used to develop an emerging field called “geogenomics”, which not only uses geological data to understand the rates and drivers of evolutionary change, but also uses genetic sequences of modern organisms to provide key information about the timing and nature of past geological events.

For more information on OTS, go to <http://ots.ac.cr>.



## Zipcars now available

UNL has launched a new partnership with Zipcar Inc., to offer a car-sharing program on campus. The transportation option is available 24 hours a day, seven days a week for students, faculty and staff.

UNL members can join for a \$25 annual membership fee, with rates on campus Zipcar vehicles starting as low as \$7 per hour and \$66 per day.

Read more at <http://go.unl.edu/zipcar>.

E. N. THOMPSON FORUM ON WORLD ISSUES 2012-2013

RELIGION  
RIGHTS AND POLITICS

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HARVARD PROFESSOR

ROBERT PUTNAM | OCT. 2, 2012

7:30 pm: "American Grace: How Religion Divides and Unites Us"

Governor's Lecture in the Humanities, Nebraska Humanities Council

SOUTH AFRICAN THEOLOGIAN

CHARLES VILLA-VICENCIO | OCT. 17, 2012

7:00 pm: "Violence, Religion, Financial Muscle and Liberation: Can Africa Heal Itself?"

Pauley Symposium, History Department

NE SOLICITOR GENERAL

J. KIRK BROWN & MICHAEL RADELET | NOV. 28, 2012

7:00 pm: "The Death Penalty: Justice, Retribution and Dollars"

The Chuck and Linda Wilson Dialogue on Domestic Issues

AMERICAN JEWISH COMMITTEE

FELICE GAER | FEB. 4, 2013

7:00 pm: "Protecting the Human Rights of Religious Minorities Worldwide: International Religious Freedom in U.S. Policy"

Harris Center for Judaic Studies

NOBEL LAUREATE


SHIRIN EBADI | FEB. 26, 2013


7:00 pm: "True Islam: Human Rights, Faith, and Women"


Lewis E. Harris Lecture on Public Policy

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