Page 3

#### For faculty and staff of the University of Nebraska-Lincoln

Vol. 19, No. 1

# Innovation Campus consultants sought

#### University Communications

UNL has issued two Requests for Proposals to select consultants who will help the campus define a Master Plan and a Business Development Strategy for Innovation Campus.

UNL Chancellor Harvey Perlman said the process involves two phases.

"This first phase is focused on planning," Perlman said. "This phase will allow us to fully understand the opportunities and challenges of developing State Fair Park into an Innovation Campus. Following completion of Phase 1, we will then be better prepared to pursue Phase 2, to seek a development partner in January 2010, when we obtain the property. We remain very optimistic that this project will transform the university and contribute significantly to the economy of Nebraska."

The firms selected from the RFP processes will become partners with UNL leaders and planners to develop a long-term master plan and business development strategy for the property. The RFPs issued Dec. 23 follow the process the university implemented in July when it requested information through a formal Request for Information process to solicit information about how to approach the development opportunity.

The RFI process suggested that UNL issue two distinct RFPs, said Bill Nunez, director of Institutional Research and Planning at UNL. The request for master planning services would be from a consultant or planner to help the university understand the site and its



**GOING NATIONAL** — Bradley Barker, 4-H specialist, shows off one of the robots used in 4-H robotics curriculum. A \$2.5 million National Science Foundation grant is taking the UNL-based program — which introduces robotics to children — national.

# \$2.5M grant steers 4-H robotics curriculum into nation's schools

#### By Dan Moser IANR News Service

Nebraska 4-H is emerging as a national leader in science education, thanks to a nearly \$2.5 million grant from the National Science Foundation that is taking 4-H robotics and GPS/GIS curriculum national.

The new grant, "Scale-Up: National Robotics in 4-H: Workforce Skills for the 21st Century," allows 4-H to expand its current program, offered mostly to Nebraska youth, to youth from across

the United States, said Bradley Barker, UNL 4-H science and technology specialist and one of the project's leaders.

The idea, Barker said, is to get young people excited about science, technology, engineering and mathematics, not just now but for the rest of their lives.

"Robotics is a great integration of all those concepts, all those academic areas," Barker said. "We make it fun for them. They're building,

see ROBOTICS page 4

This type of technology is exciting enough that once you get people at any age working with it, they want to learn more.

Viacheslav Adamchuk Associate professor in biological systems engineering www.unl.edu/scarlet

Jan. 8, 2009

# Students guide asset mapping in Keith County

By Nate Albright Nebraska Center for Entrepreneurship

The Keith County Area Development Board has commissioned an asset mapping project for Ogallala and the surrounding area that will be conducted by the Students in Free Enterprise team at UNL.

The goal of this project is to find and evaluate the community's local strengths and assets such as leadership, physical amenities, successful businesses, places and things with historic significance, or anything else that might be used strategically to improve the community's welfare. Once these assets are recognized, they can be developed and used to help the community grow. Strengths involve items such as infrastructure, geography and the environment, human resources, cultural and social makeup, historic elements of the town, economics and agriculture.

The project began in November and is expected to be completed by June 1.

Coordinators of the program are Ken Schlitz and Dorothy Davis of the Keith County Area Development Board, Giovanni Infante-Stills of the SIFE advisory board, and Kathleen Thornton of the Nebraska Center for Entrepreneurship and faculty adviser for the UNL SIFE team.

"The opportunity to coordinate a project with the UNL SIFE members is unique and very interesting," Davis said. "This partnership creates potential benefits for the Ogallala community and for SIFE. The results of the asset mapping study will provide data that will be useful to local organizations and businesses."

Students in Free Enterprise is the world's largest nonprofit

# Sheldon reopens after New Year's Eve bash

#### **University Communications**

The Sheldon Memorial Art Gallery reopened Jan. 6 after New Year's Eve vandalism forced a temporary closure.

According to University Police, an alarm was activated at the museum at 1:23 a.m. on Jan. 1. Four bricks, broken windowpanes and door glass were discovered on the east entrance to the museum.

Later in the morning of Jan. 1, additional vandalism — including a broken window and damage to an office — was found on the north side of the Lied Center for Performing Arts.

UNL police believe the two incidents are related.

Damage to the Sheldon was 2

estimated at \$50,000. No artwork was damaged. Lied Center damage was estimated at \$3,200.

The Sheldon closed during the weekend of Jan. 3-4, but reopened to regular hours on Jan. 6.

Tom White, marketing manager for the Sheldon, said the damaged glass panes would be replaced as soon as possible. Until repairs are made, museum patrons must enter through the west doors. A portion of the Great Hall has also been cordoned off.

In addition to works from the museum's permanent collection, three special exhibitions are on view. For more information, including museum hours, go to www.sheldon.unl.edu or call 472-2461.



OM WHITE/SHELDON MUSEUM OF ART

**PANE DAMAGE** — Boards cover Sheldon Museum of Art windows shattered by vandals on New Year's Eve. Though the damage has yet to be repaired, the Sheldon reopened Jan. 6. 2 • Thursday, Jan. 8, 2009

### SCARLET

### Life American Poetry in

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

One of the most effective means for conveying strong emotion is to invest some real object with one's feelings, and then to let the object carry those feelings to the reader. Notice how the gloves in this short poem by Jose Angel Araguz of Oregon carry the heavy weight of the speaker's loss.

#### Gloves

I made up a story for myself once, That each glove I lost Was sent to my father in prison

That's all it would take for him To chart my growth without pictures Without words or visits,

Only colors and design, Texture; it was OK then For skin to chafe and ash

To imagine him Trying on a glove, Stretching it out

My open palm closing And disappearing In his fist.

Poem copyright © 2007 by Jose Angel Araguz. Poem reprinted from "Rattle," Vol. 13, no. 2, Winter 2007, by permission of Jose Angel Araguz. Introduction copyright © 2008 by The Poetry Foundation. This column is made possible by the Poetry Foundation (www.poetryfoundation.org) and supported by the UNL Department of English. This column does not accept unsolicited poetry.

## Haydon features grad student work

Art from UNL's graduate student organization Visual Artists in Practice will be featured in the exhibition "Introspection," Jan. 8-31 at the Haydon Art Center. An opening reception is 6 to 8 p.m. Jan. 9 at the Haydon, 335 N. Eighth St. in Lincoln. Artist introductions will be at 7 p.m.

The exhibition is curated by Teliza Rodriguez, curator of the Museum of Nebraska Art in Kearney.

ro ence Jan. 9 to Jan. 16 Friday, Jan. 9 Tuesday, Jan. 13 Thursday, Jan. 15 Transfer New Student Enrollment, University Sertoma Club, drama Winter Faculty Showcase Concert, presentation by Raymond Central Nebraska Union. featuring Scott Anderson, John High School students, 7 a.m., Bailey, Karen Becker, Mark Clinton, CASNR Winter Interim Workshop, Selleck Hall. Call 472-3173. Christopher Marks, Clark Potter, "Developing Critical Thinking in the Jamie Reimer, and the Moran Classroom" Rick Rudd, 8:30 a.m., Tuesday Talk, "Chintz Applique" Woodwind Quintet (John Bailey, Diwith Carolyn Ducey, noon, Inter-East Union. Call 472-8210. ane Barger, Alan Mattingly, Jeffrey national Quilt Study Center and McCray, and William McMullen), Museum. Call 472-7232. Saturday, Jan. 10 7:30 p.m., Kimball Recital Hall. Call 472-6865. Husker Men's Basketball vs. Mis-Wednesday, Jan. 14 souri, 1 p.m., Devaney Center.

Spring 2009 Water Seminar Series, Husker Women's Basketball vs. "Was Weaver Wrong? Rooting Oklahoma, 7:05 p.m., Devaney Depths and Soil Moisture Deple tion in the Nebraska Sandhills. David Wedin, UNL, 3:30 p.m.,

Hardin Hall. Call 472-7372.

Art Museum

Museum of Art.

Sheldon Museum of Art.

Monday, Jan. 12 Spring Semester begins.

Friday, Jan. 16 All Major Red Letter Day, Nebraska Union

Exhibition opening, "Yikes! Stripes, curated by UNL graduate student, Elizabeth Andrews, 10 a.m., Inter-

Ф Indicates diversity-related even

national Quilt Study Center and Museum. Call 472-7232.

Anthropology Colloquium Series, "All for One and One for All: Euergetism, Monuments, and Asia Minor Polis Viability and Growth in Ant," LuAnn Wandsnider, anthropologist and archaeologist, 11:30 a.m., College of Business Administration. Call 472-7934.

UNL College Night, 5 p.m., International Quilt Study Center and Museum. Call 472-6579.

APRIL 2014

Husker Track and Field, Holiday Inn Invitational, 4 p.m., Devaney Center Indoor Track.

#### For an extended list of campus events, go online to http://events.unl.edu

### **Exhibitions**

Center

Inspired by Red and Green, quilts from the American Quilt Study Group 2008 Project, through Jan. 11, International Quilt Study Center and Museum. Call 472-6579

TRANSactions: Contemporary Latin American and Latino Art, through Jan. 18. Sheldon Museum of Art.

Somewhere in the Middle of America: Life in a Prairie Town - Photographs by Jeffrey Haller, through Feb. 6, Great Plains Art Museum.

Fragments and Fusion: Landscape Photography

### Cinemo

Synecdoche, New York (rated R), Jan. 9-22, Mary Riepma Ross Media Arts Center

Slumdog Millionaire (rated R), Jan. 9-29, Ross Media Arts Center.

The Metropolitan Opera HD Live, "La Rondine," noon, Jan. 10, Ross Media Arts Center

The Metropolitan Opera HD Live (encore), "La Ron

For more information, go to www.theross.org or call 472-5353

Media Arts Center

Media Arts Center

by Susan Schenk, photographs augmented by

encaustic and oil, through Feb. 6, Great Plains

Portraits and Personalities: Prints from the F.

M. Hall Collection, through March 1, Sheldon

New Acquisitions: African-American Masters Collection, through March 2,

Technology's Impact on Design, through March

13. Kruger Gallery of Miniature Interiors. Archi-

dine," 1 p.m., Jan. 11, Ross Media Arts Center

The International Experimental Cinema Exposi-

The International Experimental Cinema Exposi-

tion Festival 2009 Program 1, 7 p.m., Jan. 14 Ross

tion Festival 2009 Program 2, 7 p.m., Jan. 15 Ross

tecture Hall

Yikes! Stripes. Jan. 16 to April 5. International Quilt Study Center and Museum. Call 472-6579.

Chintz Applique: From Imitation to Icon, through May 17, International Quilt Study Center and Museum. Call 472-6579.

Subject(s) to Change: American Art from the Permanent Collection, reinstallation of artworks from the permanent collection organized into six galleries, through June 30, Sheldon Museum of Art

> Planetarium The Little Star That Could, 2 p.m. Saturdays and Sundays

Black Holes, Saturdays and Sundays, 3 p.m.

> For more information, go to www. spacelaser.com or call 472-2641

# University of Nebraska – Lincoln Water Center & School of Natural Resources **Spring 2009 Water Seminar Series**

Wednesday, 3:30-4:30 p.m. Hardin Hall First Floor Auditorium Northeast corner of 33rd & Holdrege UNL East Campus Free Public Lectures

January 14 David Wedin, University of Nebraska-Lincoln Was Weaver Wrong? Rooting Depths and Soil Moisture Depletion in the Nebraska Sandhills

- January 21 Dave Rus, USGS Nebraska Water Science Center Evapotranspiration from Riparian Vegetation in Nebraska
- January 28 Dean Eisenhauer, University of Nebraska-Lincoln Hydrologic Impacts of Conservation Practices for Dryland Agriculture
- **February 4** Mary P. Skopec, Iowa Department of Natural Resources 2008 Iowa Floods and Water Quality Implications: What's Really in the Water?

For more information: http://watercenter.unl.edu (402) 472-3305

Lincolr The University of Nebraska-Lincoln is an equal opportunit

educator and employer with a comprehensive plan for diversity.



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by the Office of University Communications at the University of Nebraska-Lincoln.

#### On the masthead

Pictured is a the "Torn Notebook" sculpture by Claes Oldenburg and Coosje Van Bruggen. If you know of a part of UNL that should be featured in the Scarlet masthead, contact Troy Fedderson at tfedderson2@unl.edu or 472-8515.

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The University of Nebraska-Lincoln does not discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation

How to submit news items

Submit news items, announcements, briefs and calendar events to scarlet@unl.edu or 472-8518. The deadline is noon Thursday before each week of publication. Receipt does not guarantee publication. Editors will edit for space, clarity, grammar and style. Address changes must be made within departmental offices on the personal data form.

Next edition: Jan. 15 • Submission deadline: 4 p.m., Jan. 8

How to place an ad For classified advertising, call 472-8518. For display advertising, contact Troy Fedderson at tfed-

derson2@unl.edu or 472-8515.

the East Union.

### News briefs

### Free financial counseling offered in January

counseling sessions will be offered to faculty and staff in January.

up by calling 1-800-642-7131.

be at the Wick Alumni Center Library on Jan. 21 and 22, and at the East Union (room posted) Jan. 14 and 15. Sign up by calling 1-800-732-8353 between 8 a.m. and 5 p.m. After hours, messages can be left at 1-866-842-2908, ext.

For more information, contact Ethel Beetley at ebeetley1@unl.edu or 472-0937.

UNOPA, UAAD joint luncheon is Jan. 13

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Meg Lauerman, Director, University Communications

Fax: (402) 472-7825 Web site: www.unl.edu/scarlet

Edible Car Competition



OFFICIAL MEASUREMENT - Curt Weller and George Meyer, both biological systems engineering professors, measure the distance an entry traveled in the fifth-annual edible car competition Dec. 9 in

# Free one-on-one financial

A Fidelity consultant will be at the East Union on Jan. 9 and

Nebraska Union on Jan. 15, 20 and 30 (room posted at both sites). Sign A TIAA-CREF consultant will

UNOPA and UAAD will hold a



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joint meeting for office and managerial professionals at 11:45 a.m. Jan. 13 in the East Union (room posted).

The event will feature the presentation "What's Happening — Campus Planning" by Jennifer Dam, assistant director for campus planning in Institutional Research and Planning.

Reservations are due by Jan. 8 to Belve Harris, 472-2354. For more information, including a reservation form, go to http://unopa. unl.edu.

#### Jan. 8, 20 drop-in sessions to focus on research

UNL's Bureau of Sociological Research and Survey, as well as Survey, Statistics and Psychometrics

will hold free drop-in sessions, 10:30 a.m. to noon, Jan. 8 and 20 in 104 Benton Hall.

The sessions — which include free donuts — are designed to foster brainstorming ideas for designing, collecting, analyzing and funding research at UNL.

For more information, go to http://bosr.unl.edu.

#### EAP offers smoking cessation program

The Employee Assistance Program is sponsoring a four-week smoking cessation program.

The program will be noon to 1 p.m. on Tuesdays, from Jan. 13

### **Paul elected AAAs fellow** Prem Paul, vice chancellor for in 2001, Paul was a veterinary

fellow of the American

Association for the Advancement of Science.

Paul was cited for his contributions to animal health through research on viral pathogenesis of respiratory and reproductive diseases that led to improved vaccines and diagnostic tests. He Paul was selected as part of

AAAS's Agriculture, Food and Renewable Resources Section. Paul's scientific expertise is

in animal virology, particularly swine viruses. Before joining UNL

research and economic develop- medical scientist and administrament at UNL, has been elected a tor at Iowa State University and

Pro

earlier was the veterinary medical officer at the U.S. Department of Agriculture's National Animal Disease Center in Ames, Iowa.

Paul was one of 486 AAAS members selected for the honor this year. This year's fellows were announced in the Dec. 19 issue of the interna-

tional journal Science. New fellows will be recognized in February at the 2009 AAAS annual meeting in Chicago.

# NU Foundation awards \$1.14M to campus projects

The University of Nebraska cal new fluorescence microscope and Foundation's board of directors awarded \$1.14 million to the University of Nebraska through its annual grants program to support projects and initiatives on all four campuses for 2008-2009.

UNL received the most support, with \$250,000 aiding construction of the Jackie Gaughan Multicultural Center. UNL also received \$100,000 for continuation of the Initiative for Teaching and Learning Excellence.

Projects on other NU campuses that received funding in 2008-09 include

■UNK — \$139,100 for the Program for Entrepreneurship and Innovation to promote business development and jobs in rural Nebraska; and \$150,000 to help meet a challenge grant for funding of a new student wellness center and human performance lab on campus.

■UNMC — \$249,660 for a criti-

reader that provides researchers the ability to capture images of cells and to analyze changes in their size, shape, motility, intensity and other cellula properties.

**UNO** - \$136,000 for the Center for Public Health Informatics to work with UNMC on integrating existing and emerging public health related databases that various agencies use for teaching, research and decisionmaking; and \$114,494 to help create student-led teams serving as technology consultants to small businesses in north and south Omaha and in rural Nebraska.

Much of the annual grant resources are made available from unrestricted donations to the foundation.

The chancellors submit proposals annually for the grant money, and the proposals are aligned with the university's strategic framework, as outlined by NU President James B. Milliken.

From Charlie Chaplin to Jim Carrey, including Sid Caesar, George Carlin, Cheech & Chong, Carol Burnett, Joan Rivers and more



the funny business of america

A three-part series following the evolution of American comedy across a century of social and political change

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# to Feb. 3. Register by calling 472-3107.



# Wedin to open water lecture series Jan. 14

UNL's annual spring semester water and natural resources seminar will feature local, national and international experts addressing topics from dryland agricultural conservation to what's really contained in floodwaters.

The 14-lecture series begins Jan. 14 and concludes April 22. All but one of the free public lectures will be in the first floor auditorium of Hardin Hall. Weekly lectures are Wednesdays, 3:30 to 4:30 p.m., except March 18.

'These speakers cover a very broad and timely slate of water and climate-related topics that there is wide local interest in," said Kyle See the complete list of lectures online at www.unl.edu/scarlet

Hoagland, director of the UNL Water Center.

UNL ecosystem ecologist Dave Wedin begins the series Jan. 14 with an in-depth look at rooting depths and soil moisture depletions in the Nebraska Sandhills.

After they are presented, lectures will be available online at watercenter.unl.edu.

For more information, contact the UNL Water Center at 472-3305.



**ANNUAL RIDE** — Members of the UNL Equestrian Team ride down the East Campus Mall Dec. 12 during the annual Jingle Bell Ride. The team collected toys and clothing for Cedars Youth Services in Lincoln.

#### MAPPING

continued from page 1

student organization, with active teams on more than 1,400 college and university campuses in 40 countries. SIFE students form teams that serve their communities by developing projects that solve real-world problems. They use their developing business knowledge from UNL to help aspiring entrepreneurs, local communities, students of all ages and

people worldwide experience success. Business executives support the program through corporate donations, personal contributions and the gift of their time.

David Zhang, the SIFE project leader, said he is energized by the opportunity. "Many people have the belief that you have to go out and get a 'real' job, rather than staying where you are and contributing to the development of the community," he said. "Ogallala is trying to reform its community right now, and this project is helping to kick it off by trying to help the community change how it thinks about itself."

Zhang, a junior biological systems engineering major from Sidney, said he sees far reaching possibilities for the project. "This could help change the way people think in rural areas all over Nebraska. This project could breathe new life into the rural areas of our state."

There are 22 SIFE students

working on the Ogallala asset mapping project. Zhang said he is optimistic about the project.

"We will be making two to three trips to Ogallala, and we want to collaborate with the leaders in the community while we are there," Zhang said. "I think this will be a very exciting experience for us. It will be a good chance for us to build some camaraderie and team spirit while assisting an important part of the state to achieve its potential."

# East Campus hosts traveling technology unit

UNL faculty, staff and students will get a glimpse at some of the newest technology in plant breeding and biotech processes when the Monsanto Mobile Technology Unit visits East Campus Jan. 13-14.

The mobile unit — with 1,000 square feet of exhibit space in a semi truck than can run on biofuels - will be on the west side of Mussehl Hall from 9 a.m. to 4 p.m. both days.

The Mobile Technology Unit features an introductory video with NFL quarterback and farm boy Kurt Warner, and a guided tour through exhibit areas. Exhibits include displays, videos and interactive elements about breeding, crop analytics, biotechnology and ethanol. Additional exhibits, including an on-site ethanol production demonstration unit, will be outside the unit. Monsanto representatives will be on site for one-on-one interaction.

Faculty interested in taking classes through the exhibit should contact Jill Brown at jbrown14@ unl.edu to schedule a time. Faculty, staff and students are also welcome to go through the unit on their own time.

### ROBOTICS

#### continued from page 1

they're programming, they're hands-on.

Targeted at students in grades 5-9, the 4-H Robotics and Geospatial Project is built on a 40-hour summer camp experience that features hands-on activities that teach principles of robotics and geospatial technologies in promoting learning in science, technology, engineering, and mathematics. Following the summer camps, participants go back to their 4-H clubs and after-school programs for monthly meetings to build on what they learn. Then, in year

1944

two, they attend an advanced summer camp, followed by eight more months of activities in their home communi-

ties.

2007,



summer 2008, 150 youths attended six camps, and 13 clubs will meet during the 2008-09 school year. This new five-year grant expands the curriculum's reach, first in the North Central Region, then nationally.

'This type of technology is exciting enough that once you get people at any age working with it, they want to learn more," said Viacheslav Adamchuk, associate professor in biological systems engineering and the project's other principal investigator.

Research results from the pilot camps show the program works: Students who participated in the five-day camp last summer showed a 30 percent increase in science, technology, engineering and math learning. Also, their attitudes toward those disciplines improved from 3.88 to 4.10 on a five-point scale.

Barker said plans are to build

a new, affordable educational robotics kit with an integrated GPS receiver for the national project. Bing Chen, professor of computer

chip

and electronic engineering, and his team will lead the development of the new robotics platform based on work he's done in his classroom.

Chen is recognized as a national leader in this area. Last year, he received a \$3 million NSF grant for an Omaha-based team using small robots to help middle school students learn science, technology, engineering and math.

Working with its partners the National 4-H Council and National After School Association - Nebraska 4-H will contract with several trainers that will train others to deliver the program. Initially, that will be 40 trainers in three regions.

The first step will be to hire a project manager and instructional designer, Barker said.

THE UNIVERSITY'S N SHOP. SHARE THE MERCHAND



Chen



infrastructure issues, and propose ways to develop the site over phases. The business development plan will build off the master planning services to include business models on construction, financing or ownership of facilities with leasing potentials and management approaches, shared research services and amenities, phasing, marketing and market analyses. "Through our RFI process and consultations with responders, this approach surfaced as a much more reasonable and effective approach," Nunez said. "We've focused our efforts, refined our approach to separate planning and developing, and these two RFPs will be more understandable and result in a better product. The shortterm effort that we're putting into Phase 1 planning at this stage will pay off immensely when the property transfers to the university in January 2010." Final plans for Nebraska Innovation Campus are expected to be completed by December 2009. For more information, go to http://purchasing.unl.edu/bids/ bidop.shtml.

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