NDSU

VOLUME 2 ISSUE 2 IT'S HAPPENING AT STATE JANUARY 13 2009

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President Richard A. Hanson gives Minard Hall update

President Richard A. Hanson says work continues to shore up the collapsed section of Minard Hall. During a Jan. 7 open forum for faculty, staff and students, he said, "We cannot and will not put people in danger."

During the early morning hours of Dec. 27, a section of the northwest portion of Minard Hall collapsed. No one was in the structure at the time.

Hanson said structural steel has been brought in to stabilize the building's roofline, and work is progressing to support the structure's first floor. He expects workers will jack up the floors to a level position, starting this week.

Also, a moving company is boxing up office items in areas that are considered safe. But Hanson noted teaching and research materials and equipment in offices in the northwest portion of the building have not been retrieved.

"The real issue isn't the failure so much as it is the safety of people. We need to rebuild the credibility of the building so people feel safe going in," Hanson told the nearly 100 people who attended the open forum.

"We are proceeding as appropriately as we can, trying to commute a multiple set of needs," he said. "There is concern about structural failure and who is responsible, but there are issues about all the materials and the servers in the building. People's dissertations are on hard drives on computers in the building. These are extraordinarily important issues as well."

Faculty attending the forum urged students to be patient and understanding as spring semester begins, saying several instructors in the affected departments do not have access to their materials.

Bruce Frantz, director of Facilities Management, said work on permanent shoring will begin this week. "There are many challenges out there, and we don't want to put anybody in an unsafe situation," Frantz said. "We don't want to put anyone at risk."

Frantz met with City of Fargo inspectors on Jan. 7 to review the work to the present time and to discuss plans for the near future.

He expects faculty and staff will soon be allowed back in the northeast portion of the building after receiving approval from the city.

In the meantime, counseling services are available to persons affected by the structural failure. Through the Employee Assistance Program, individual and group counseling is available through The Village Family Service Center.

"Each of you will have a different struggle based on what you may have lost. There are fears and emotional trauma involved here," said Broc Lietz, associate vice president for finance and administration.

For more information on counseling services, contact Lietz at 1-8958 or Colette Erickson, associate director of human resources, at 1-8788.

Transition updates available
For information about the transition to NDSU's 14th president, go to *www.ndsu/news/transition.*

President's Search Committee open forums planned
The Presidential Search Committee has planned open forums and webinars during the week of Jan. 11-15. See the "It's Happening at State" calendar for times and places.

Martin Luther King Jr. celebration planned
Readings will be presented on Wednesday, Jan. 13, from 8 a.m. to 5 p.m. in Thundar's Den on the lower level of Memorial Union. Birthday cake will be served after the noon program.

'It's Happening at State' early deadline reminder
The submission deadline for the Jan. 20 issue of "It's Happening at State" is noon on Wednesday, Jan. 13.

Pilot flourmill renovation celebrated with ribbon cutting

Northern Crops Institute celebrated its new pilot flour mill with a ribbon-cutting ceremony on Nov. 24. Institute director Brian Sorenson kicked off the event that included comments from special guests including North Dakota Gov. John Hoeven, North Dakota Agriculture Commissioner Doug Goehring, NDSU Vice President of Agriculture and University Extension D.C. Coston, Buhler North America President René Steiner and representatives of regional wheat commissions.

Guests toured the mill after the ribbon-cutting ceremony. A dinner was held following the event.

"In 2007, the Northern Crops Council formed a committee to look at the future of Northern Crops Institute's technical capabilities in milling, and they identified a definite need for a mill of this capacity," said Sorenson. "The committee decided to review the existing equipment, and they determined that we had a great asset in our pilot durum mill. Using the existing durum mill equipment as a starting point for the new mill sped up the project as well as kept the overall costs down."

"The Northern Crops Council voted to move forward with the project at their November 2008 meeting. To go from a project design to a completed installation in a year was a testament to the Northern Crops Institute staff, the Northern Crops Council, as well as to Buhler, who helped us put this project together," Sorenson concluded.

Gifts from the South Dakota Wheat Commission, North Dakota Wheat Commission, Montana Wheat and Barley Committee, Minnesota Wheat Research and Promotion Council, General Mills, Horizon Milling and several individuals partially funded the renovation. Buhler donated an optical color sorter, which can detect and remove defective product and foreign material in wheat.

"Northern Crops Institute's new flour mill represents another great opportunity to promote northern-grown crops and create new and expanded domestic and international markets for producers in the region," said Hoeven.

"This project is the result of a strong partnership between North Dakota, South Dakota, Minnesota and Montana and a steadfast commitment to growing the agriculture and value-added processing industries in our states, as well as enhancing our competitiveness in marketing commodities worldwide," Hoeven concluded.

The institute's pilot durum mill was converted into a dual-purpose or "swing mill" to give the region the capability to mill pilot-scale or test-scale quantities of bread wheats into flour for quality and test baking/processing evaluations. The mill retains the capability to mill durum wheat into high-quality semolina.

The new mill is capable of milling flour, durum semolina and whole-wheat flour. Flour milling capacity of the new mill is 200-300 pounds per hour, a larger quantity than a laboratory scale mill can produce. Flour quality closely matches flour from a commercial flourmill.

In addition to milling and testing flour, the new pilot mill will be used for educating millers about hard wheats. The institute's pilot-scale durum mill, built in 1991, was one of the few facilities in the nation dedicated specifically to educating and training durum millers.

The existing building and much of the pilot-scale durum mill equipment was used in building the new mill. Additional equipment to improve grain handling, cleaning, tempering and purifying was purchased or donated.

The next phase of the renovation will begin when funding is secured. The second phase will include a flour mixer, storage bin and flour packing equipment that will fill 50 pound bags.

The institute is conducting a nationwide search for a full-time milling specialist.

The institute supports regional agriculture and value-added processing by conducting educational and technical programs that expand and maintain domestic and international markets for northern-grown crops. Funding is provided by the states of Minnesota, North Dakota and South Dakota and commodity groups in those states and Montana.

NDSU Web site addresses corn production problems

NDSU has created a Web site to help corn producers cope with this year's crop. The Corn Management 2009 Web site is at ***http://ag.ndsu.edu/cornmold*** and ***www.ag.ndsu.edu/cornmanagement***.

"This year's poor growing conditions resulted in corn is creating many challenges for producers and grain handlers," says Ken Hellevang, agricultural engineer with the NDSU Extension Service. "Some of the issues are mold, high moisture, kernel discoloration while drying, and low test weight. Farmers are faced with harvest, storage, drying and market options."

The Web site contains information about corn molds and links to other information, including how to minimize heat damage while drying corn, using organic acids to preserve wet corn, how to obtain accurate corn moisture content measurements, protecting farm and elevator workers from the effects of moldy corn on the respiratory system, how to store wet corn, turning wet or frost-damaged corn into silage and the effects of crop quality concerns on the corn market.

New NDSU publication will help find energy waste

The NDSU Extension Service has a new publication to help homeowners determine whether their home is wasting energy. "The Top Ten Home Energy Checklist (AE-1442)" enables homeowners to save money and energy by providing tips on energy-related topics.

The publication addresses foundation, ceiling and wall insulation; setting back thermostats; locating air leaks; furnace and window replacement; energy waste from heating water; lighting efficiency; Energy Star-rated appliances; and how landscaping and personal habits can minimize energy use.

Energy savings can be significant, according to Carl Pedersen, NDSU Extension Service energy educator and author of the publication. "For example, many homes still have outdated draft inverter furnaces that are, at best, 60 percent efficient," Pedersen says. "That means that 40 percent of the heating bill each year is wasted to the outside."

Single copies of the publication are available free of charge from county Extension offices or the Agriculture Communication Distribution Center. Anyone wanting multiple copies must pay postage and handling. Contact the distribution center at 1-7882 or *ndsu.distributioncenter@ndsu.edu* for more information. Go to *www.ag.ndsu.nodak.edu/abeng/pdffiles/ae1442/pdf* for an online version.

For more information on other energy related topics, visit NDSU's energy Web site at *www.ndsu.edu/energy*.

RESEARCH

NDSU professors awarded prestigious grant

Grazul-Bilska

Schuh

Anna Grazul-Bilska, professor of animal science, and Jane Schuh, assistant professor of veterinary and microbiological sciences, have been awarded a $500,000 grant from the National Science Foundation's Major Research Instrumentation Program, funded under the American Recovery and Reinvestment Act of 2009, to purchase a Zeiss PALM Laser Microdissection Pressure Catapulting System for use at NDSU.

The system is for practical and immediate use across a variety of disciplines. A precise area of interest from archival, frozen or live cell samples can be dissected away from its surrounding tissue and catapulted into a tube for downstream applications such as DNA, RNA or protein analysis with minimal damage to the extracted cells or those that are left behind. The system also will be equipped with high quality optics and cameras to generate bright field or fluorescence photomicrographs with capabilities of structured illumination that allow extremely detailed imaging. Demonstrations and training sessions are planned for both didactic courses and research applications to provide hands-on experience with this cutting edge equipment.

When asked about the notification of the award on Dec. 23, Schuh said only a scientist would ask Santa for a microscope that can dissect a cell with a laser beam. "If that's not a reason to be on the 'nice' list, I don't know what is. On a serious note, the acquisition of the microscope is a huge step forward for research on our campus. It is not only great for our researchers, it's great for the students that we mentor. This equipment is cutting edge. What an impressive skill to take with you from your training at NDSU."

The system will be housed in the new Microscopy Laboratory in Hultz Hall, room 203. For more information or to discuss training, contact Grazul-Bilska at *anna.grazul-bilska@ndsu.edu* or 1-7992 or Schuh at *jane.schuh@ndsu.edu* or 1-7841.

Development Foundation accepting grant applications

The NDSU Development Foundation Grants and Awards Committee is accepting applications from faculty and staff for grants from four funds for the 2010 academic year. The application deadline is April 1.

The Centennial Endowment Fund can provide maximum awards of $5,000 with a total of $16,208 available. It supports professorships, scholarships, biotechnology, faculty development, libraries and cultural arts.

NDSU's Development Foundation Board of Trustees Endowment can provide maximum awards of $1,000, with a total of $3,358 available. It supports general programs across campus.

The NDSU Development Foundation Libraries Endowment has $2,556 available. It supports requests from any academic unit on campus for materials that will enhance the collections and operations of university libraries.

NDSU's Development Foundation Gordon A. Larson Agricultural Research Fund has $13,561 available for awards. This fund has no maximum award amount and supports competitive grants for agricultural research efforts conducted at NDSU.

Faculty and staff can obtain copies of application forms for all four awards at *www.ndsufoundation.com/grants.htm*. The NDSU Development Foundation will notify applicants of funding decisions prior to May 5.

Wu to publish article in The Journal of Clinical Investigation

Wu

"Mammalian Target of Rapamycin Regulates Cell Differentiation through STAT3-p63-Jagged-Notch Cascade," an article co-authored by Erxi Wu, NDSU assistant professor of pharmaceutical sciences, will be published by The Journal of Clinical Investigation.

According to the authors, the receptor tyrosine kinase (RTK)-phosphatidylinositol 3-kinase (PI3K)-AKT-mammalian target of rapamycin (mTOR) pathway is one of the most frequently altered signaling networks in cancer, but the underlying mechanism leading to tumorigenesis by activated mTOR remains less clear.

This study led by collaborator Hongbing Zhang from China presents evidence demonstrating that mTOR complex 1 (mTORC1) is a positive regulator of Notch signaling, acting through up-regulation of the STAT3-p63-Jagged1 signaling cascade in mouse and human cells. In response to differential cues from mTOR, the authors discovered Notch serves as a molecular switch to shift the balance between cell proliferation and differentiation. "Components of the STAT3-p63-Notch axis are potential targets for the treatment of diseases such as cancers caused by hyperactive RTK-PI3K-AKT-mTOR signaling," Wu said. "The Journal of Clinical Investigation is a top-tier venue for critical advances in biomedical research."

Theile edits book about literature of black female writers

Theile

Verena Theile, assistant professor of English, is co-editor of the recently published book, "Reclaiming Home, Remembering Motherhood, Rewriting History: African American and Afro-Caribbean Women's Literature in the Twentieth Century."

Theile and co-editor Marie Drews draw together material that, according to publishers, "offers a critical valuation of literature composed by black female writers and examines their projects of reclamation, rememory and revision. As a collection, it engages black women writers' efforts to create more inclusive conceptualizations of community, gender and history, conceptualizations that take into account alternate lived and written experiences as well as imagined futures."

Theile has been a faculty member at NDSU since fall 2008. Cambridge Scholars Publishing published the book.

Isern presents keynote address

Isern (right) with James Watson, president of the New Zealand Historical Association and dean of the School of History, Philosophy and Politics, Massey University.

Tom Isern, Distinguished Professor of history, presented the keynote address to the New Zealand Historical Association on Nov. 28. The meeting was held at Massey University, Palmerston North.

Isern's address, drawing on both his experience as an author for "Environmental Histories of New Zealand" and his long-term research experience in Central Otago, was titled "Past Like a Mask: The Trouble with 'The Trouble with Wilderness.' " The presentation argues that historians of the environment should eschew the "ideal of wilderness" and the "dialectic of ecology" in order to write histories that recognize chaos and embrace complexity.

Visual arts professor has two articles accepted for publication

A book chapter and book review prepared by Kris Groberg, assistant professor of art history, have been accepted for publication.

"The Black Mouth of the Open Grave: Satan in Fin-de-Siecle Russian Art" is a chapter in the book "Symbolism: Its Origins and Consequences," edited by Rosina Neginsky. The chapter was drawn from a paper Groberg prepared for a conference at the University of Illinois, Urbana-Champaign last April.

Groberg also reviewed the book, "Divine Sophia: The Wisdom Writings of Vladimir Solovyov," by Judith Deutsch Kornblatt in the December 2009 issue of the Russian Review.

Professors give presentations for American Geophysical Union

Lewis

Oduor

Ashworth

Adam Lewis and Peter Oduor, assistant professors, and Allan Ashworth, distinguished professor, all from the Department of Geosciences, presented papers at the annual meeting of the American Geophysical Union, which was held Dec. 14-18 in San Francisco. The meeting is the largest of its kind anywhere in the world and brings together researchers from all of the diverse earth sciences disciplines.

Lewis and Ashworth both presented papers focusing on their collaborative work in the Dry Valleys region of Antarctica. Lewis presented a paper titled "Evidence for repeated early Miocene glaciation and the cutting of upper Taylor Valley from the Friis Hills, Antarctica." The paper highlights data that suggest a small, high-elevation region in the Dry Valleys preserves remnants from a much warmer than present environment 19.76 million years old. The age of the site is based on analysis of a volcanic ash deposit discovered just last year.

Ashworth presented a paper titled "Miocene Antarctic terrestrial realm," which focuses on plant and animal remains from Antarctica that can be used to provide precise estimates of paleoenvironments as well as help to answer questions about the evolution of Southern Hemisphere plants and animals. Together, their papers provide a new view of paleoclimate from the especially important period just before Antarctica became a permanently frozen continent.

Oduor, along with two student co-writers, presented a paper titled "Semi-empirically derived petrophysical and thermodynamical coefficients of permselective argillaceous matrices." The paper details a model that can be used to predict the transport of solutes through different clay barriers. This has important human-health implications because the contamination of soil and water from hazardous materials leaking through clay-lined repositories is a serious environmental problem.

Koblitz named National Cancer Institute research fellow

Beginning in June 2010, graduate student Amber Koblitz will be part of a competitive program that provides the most up-to-date training for researchers and clinicians in cancer prevention and control. She has been accepted into the National Cancer Institute's Cancer Prevention Fellowship Program.

The three- to four-year program accepts many different types of scientists, including medical doctors, epidemiologists, behavioral scientists, biologists, geneticists. During the first year, Koblitz will earn a Master's of Public Health. She has applied to programs at Johns Hopkins University School of Medicine and the University of Kansas Medical Center.

Koblitz will spend the rest of her fellowship at the National Cancer Institute working with researchers at the forefront of cancer research. The fellowship provides opportunities for sharing research through conference presentations and publications. It also provides opportunities for professional development such as how to best apply for positions after the fellowship ends, and commentary and critique about her own speaking style.

Originally from Paola, Kan., Koblitz earned a bachelor's degree in psychology with a minor in English from Baker University in Baldwin City, Kan. Following graduation, she enrolled at NDSU in the social/health psychology program and began working with Kevin McCaul, dean of the College of Science and Mathematics. She earned a master's degree in 2006 and will finish her doctorate in the spring.

"Briefly, the primary goal of my current research is to better understand how people use affective information when making health-related decisions," Koblitz said. "The majority of my research has focused on smoking cessation and prevention, but I am interested in a number of health behaviors."

The title of her dissertation is "The Effects of Expressed Affect in Health Communication."

Tucker publishes article on physical activity research

Tucker

Jared Tucker, lecturer of health, nutrition and exercise science, will have an article, titled "Estimating Minutes of Physical Activity from PDPAR: Validation of a Prediction Equation," published in the Journal of Physical Activity and Health. Other authors include J. Welk, Sarah Nusser, Nicholas K. Beyler and David A. Dzewaltowski

The Previous Day Physical Activity Recall (PDPAR) is a commonly used self-report tool used to capture levels of physical activity in youth. It requires users to record the previous day's activities in half-hour increments and assigns a level of physical intensity to each half-hour block. Tucker says because most children and adolescents perform physical activity in sporadic, short bursts, rather than half-hour increments, the half-hour blocks recorded by the Previous Day Physical Activity Recall cannot be interpreted as half-hour bouts of physical activity.

The current study measured physical activity during a three-day period in 121 seventh graders using the Previous Day Physical Activity Recall and using accelerometers, which are an objective measure of physical activity similar to a pedometer, except that they capture the length of the activity and its intensity instead of just total activity.

"Results showed that boys obtain approximately nine minutes of activity per Previous Day Physical Activity Recall bout, while girls obtain approximately five minutes per reported bout," Tucker aid. "In the remaining sample the predicted activity from the equation was compared to actual accelerometer activity, and showed good agreement. Thus, the equation provides a valid and useful metric to aid in the interpretation of Previous Day Physical Activity Recall results."

Reid publishes article about Patriot Act and academic libraries

Reid

Michele Reid, dean of libraries, published an issue paper, "The USA PATRIOT Act and Academic Libraries: An Overview," in the December issue of College and Research Libraries News.

She explored key aspects of the act and the impact on academic libraries, related legislation such as the Foreign Intelligence Surveillance Act and the FBI use of National Security Letters and warrant applications. Also included were readings and sources of additional information, as well as a basic advocacy plan for librarians concerned with surveillance and privacy issues raised by the legislation.

PEOPLE

Professor emeritus dies

Erickson

D. Bruce Erickson, 66, professor emeritus in the Department of Computer Science and Operations Research, died Dec. 23 at Bethany Retirement Living in Fargo. The memorial servicewas held Saturday, Jan. 9, at Boulger Funeral Home in Fargo.

Erickson earned a bachelor's degree from Concordia College in Moorhead, Minn., and a doctoral degree from Yale University, both in mathematics. He accepted a position at NDSU in the mathematics department in 1975. He was hired as part of a small group of faculty who would go on to create a major in computer science. Later, he was a founding member of the computer science department when it was officially formed. Within the department, Erickson served for many years as undergraduate coordinator as well as associate department chair.

Erickson's main academic interest was undergraduate teaching. He also was well known for teaching the mathematical foundations of computer science, a core course in the graduate program.

An accomplished musician, Erickson played the tuba, euphonium and baroque music on the recorder. He played in the NDSU concert band, was a regular performer with the Lake Agassiz concert band and subbed for the FM Symphony.

Survivors include Erickson's wife, M. Joy Erickson, an employee in the NDSU Division of Fine Arts, two children and one grandson.

Northern Crops Institute board elects officers

David Clough, a producer from Fessenden, N.D., was elected the new chair of the Northern Crops Council at their Nov. 24 meeting. The Northern Crops Council is the governing board of the Northern Crops Institute.

Clough represents the North Dakota Wheat Commission. He began his first three-year term on the council in 2007. *cont.*

Robert Majkrzak, Red River Commodities Inc., was elected council vice chair. Majkrzak fills a food processor seat on the council. His first term on the council began in 2007.

Clough succeeds Dan Wiltse, who died in a tragic farm accident on Oct. 22. Wiltse, a producer from Lisbon, N.D., was elected council chair in June. Wiltse represented the North Dakota Oilseed Council.

The NDSU President, North Dakota Commissioner of Agriculture and representatives of the North Dakota Wheat Commission, North Dakota Oilseed Council, North Dakota Barley Council and North Dakota Soybean Council permanently occupy six seats on the council. Producers and food processors from Minnesota, Montana, North Dakota and South Dakota, who gain seats on the council through election by the permanent members, fill the additional 11 seats.

The Northern Crops Institute supports regional agriculture and value-added processing by conducting educational and technical programs that expand and maintain domestic and international markets for northern-grown crops. Minnesota, North Dakota and South Dakota and commodity groups in those states and Montana fund the institute.

Humane Society honors Colville, Ellwein and students

Colville (left) and Ellwein (right) received the Fargo-Moorhead Humane Society's 2009 Humane Award.

Thomas Colville, professor of animal and range sciences, and Amy Ellwein, veterinary technologist, received the Fargo-Moorhead Humane Society's 2009 Humane Award during the society's third annual awards ceremony Dec. 3.

Students in the NDSU Veterinary Technology Program also were recognized.

The NDSU group was honored for exemplary efforts at the Emergency Animal Shelter during the spring flood. Located in the Schollander Pavilion at the Red River Valley Fairgrounds, the shelter provided for the care of 203 animals during a 10-day period. The students, Colville and Ellwein were among local volunteers who tended to animal companions of families who were forced to evacuate during the flood.

Nukhet Hendricks, Humane Society executive director, praised the skills and leadership Colville and Ellwein provided during that difficult and challenging time for the region. "They were helping at the shelter literally around the clock, taking care of the animals," she said. "They, with the help of all the students, did a fantastic job. We cannot thank them enough – they are such a valuable resource for our community."

EVENTS

Blood drive planned

The Office of Human Resources/Payroll is sponsoring a United Blood Services Staff Blood Drive on Wednesday, Jan. 20, from 1 p.m. to 4:15 p.m. The Bloodmobile will be parked outside the west entrance of the Memorial Union.

The blood drive is open to all faculty, staff and students. To schedule an appointment, go to ***www.bloodhero.com***. Click the Donate Blood option and enter the sponsor code: staff. Donors also can make appointments by contacting Paulette Schlecht at 1-8961 or ***paulette.schlecht@ndsu.edu***.

Be sure to bring a photo ID at the time of your donation.

Softball schedule features Summit League Tournament

The 2010 NDSU softball team's schedule is highlighted by playing four teams that advanced to the NCAA Division I tournament and hosting the Summit League Championship tournament, May 14-15.

NDSU opens the season with five straight tournaments including Arizona State's Kajikawa Classic on Feb. 12-14 in Phoenix. The Bison will play three teams that advanced to the NCAA tournament last year including Portland State, Arizona and Purdue.

Trips are scheduled to the University of South Florida tournament on Feb. 19-21, University of California Santa Barbara's Gaucho Classic on Feb. 25-27, the Colorado State Classic on March 12-14 and doubleheaders at Houston on March 16 and Sam Houston State on March 17 as part of the rugged non-league schedule. Texas A&M is the other team that advanced to the NCAA tournament in 2009.

"We feel we put a challenging schedule together this season," said NDSU head coach Darren Mueller, who led the Bison to the 2009 NCAA Norman Regional and Summit League championships. NDSU finished the 2009 season with a 38-20 record overall, ranked 18th in the final ***ESPN.com***/USA Softball poll and 21st in the final USA Today/NFCA poll.

NDSU opens Summit League play at Centenary on March 19-20 and Indiana University-Purdue University Indianapolis on March 26-27 before starting a nine-date, 14-game regular season home schedule on April 3-4 with Indiana University-Purdue University Fort Wayne at the Ellig Sports Complex.

The Bison, who are 13-2 in Fargo in the past two seasons, also are scheduled to host South Dakota on April 6, Western Illinois on April 16-17, Southern Utah on April 23-24 and University of Missouri-Kansas City on April 30 through May 1. The four-team Summit League tournament is scheduled for May 14-15 at the Ellig Sports Complex.

NDSU's schedule includes 12 first-time opponents including the University of California, Santa Barbara; California State University, Northridge; Hofstra University; University of Houston; Michigan State University; North Carolina State University; Ohio University; Purdue University; Sam Houston State University; Texas A&M University; Utah State University and Wright State University.

FORWARD open house scheduled

Faculty and Staff are invited to the FORWARD Center open house on Thursday, Jan. 28, from 2 p.m. to 4 p.m. in FLC, room 316E. The room serves both as a conference room and as the FORWARD Scholar's office. NDSU Advance FORWARD, a campus initiative funded by a National Science Foundation ADVANCE grant, promotes recruitment, retention and advancement of faculty on campus.

During the Fall 2008 semester, senior interior design student teams in Susan Ray-Degges' course participated in a six-hour design charrette to create an interior design solution to support the needs of the FORWARD group. A final design solution, created by Cassie Thompson and Lindsey Knott, was selected for installation. The interior supports Thompson's and Knott's desire to create a warm, welcoming and empowering space while having an environment that functions effectively for the staff and visitors. Ray-Degges, associate professor in the apparel, design and hospitality management department, was instrumental in bringing their design to life.

"The FORWARD Center provides a functional space for faculty to meet and present ideas on institutional transformation," says Julie Nash, FORWARD project coordinator. The space is available for formal meetings, faculty and administrator training and provides space for graduate students and faculty to work on research and workshops.

Angela Bachman, FORWARD assistant for faculty recruitment, further noted the room is a wonderful resource for small training opportunities for faculty including search committee meetings, recruitment training and webinars.

Bachman is available to assist faculty with any of their needs related to faculty recruitment and searches. For more information, contact her at 1-7150 or *angela.bachman@ndsu.edu*.

Wild World of Weeds Workshop planned for Jan. 19

The annual Wild World of Weeds Workshop is scheduled for Tuesday, Jan. 19, at the Ramada Plaza Suites and Conference Center in Fargo. The workshop is intended for agricultural professionals who advise growers on weed control and herbicide use, crop consultants, agronomists, agricultural dealers and distributors, NDSU Extension Service agents and industry representatives. Registration will begin at 8 a.m., with concurrent sessions beginning at 9 a.m.

NDSU scientists, including Kirk Howatt, Brian Jenks, Greg Endres, Harlene Hatterman-Valenti, Jeff Stachler, Rod Lym, Mike Christoffers, Greta Gramig and Rich Zollinger, will present information on a variety of environmental and weed science topics during the workshop. Chris Boerboom and Carrie Loboski, both from the University of Wisconsin, will be guest speakers.

NDSU research updates will be provided on pre-emergence weed control, small grains, corn, soybeans, dry edible beans, edible legumes, sunflowers, flax, canola, oil seed crops, sugar beets, potatoes, onions, Juneberrys, weed ecology and adjuvants. Other topics include economics of weed control, corn nitrogen rate decisions, effect of drift reduction technology on weed efficacy, controversy surrounding the use of dicamba on soybeans and downy brome management.

The agenda and registration form are available at *www.ndsu.edu/weeds*. The registration fee is $75 until Jan. 8. After that date, the registration fee is $100. Registration is available only on the Web. For more information, contact Jerry Ries at *jerry.ries@ndsu.edu*.

NDSU music department plans scholarship auditions

The NDSU music department has planned entrance scholarship auditions on Feb. 18 in Bismarck, N.D., and Feb. 20 in Fargo. Auditions are open to high school seniors who plan to pursue a vocal or instrumental music degree at NDSU.

The Robert and Sheila Challey Scholarship Endowment Fund with NDSU Music is committed to attracting and sustaining the finest music students in the region. Entering its fifth year, the endowment awards more than 100 scholarships annually ranging in size from $250 to full, four-year tuition.

NDSU Music offers a comprehensive, rigorous and innovative academic program at the undergraduate and graduate levels. The department features high quality teaching, artistic performance, dedicated service and professional and scholarly excellence through its performance and degree programs.

For more information, go to *www.ndsu.edu/finearts/scholarships.html* or call 1-7932.

SHORTS & REMINDERS

Positions Available

NDSU is in a temporary hiring freeze for some state-funded positions. We are accepting application for positions funded from other sources.

Positions open and screening dates through the Office of Human Resources, SGC, 1919 N. University Drive. Position openings also are available through the NDSU Web site at www.ndsu.edu/jobs.

Custodian/#00019405
Residence Life
$19,760+/year
Jan. 13

Academic Special Events Coordinator/ #00026157
Part-time, 50 percent
Center for Science and Mathematics Education
$19,000-$22,000/year
Jan. 21

Systems Engineer
Center for Nanoscale Science and Engineering
Salary commensurate with experience
Open until filled

Laboratory Technician/#00021704
Chemistry and Molecular Biology
$30,000+/year – depending on experience
Jan. 15

University Relations
North Dakota State University
NDSU Dept 6020, PO Box 6050
Fargo, ND 58108-6050

CALENDAR

JANUARY

13 **Office of Multicultural Programs –** Martin Luther King Jr. Celebration, 8 a.m. to 5 p.m. Birthday cake will be served in Thundar's Den (lower level of Memorial Union) following the noon program.

13 **Presidential Search Committee –** open forum, 9 a.m. to 10 a.m., Webinar

13 **Transition Update –** open forum, 10:30 a.m., Memorial Union Century Theater

14 **Presidential Search Committee –** open forum, 10 a.m. to 11 a.m., Barry Hall Eide Bailly room

14 **Presidential Search Committee –** open forum, 3:30 p.m. to 4:30 p.m., Memorial Union Hidatsa room

14 **Chemistry and Molecular Biology –** "Simulations of Self-assembled Soft Materials: DNA Absorbents on Metallic and Carbon Nanotube Surfaces," Svetlana Kilina, Los Alamos National Laboratory, 3:45 p.m., Dunbar, 152

15 **Presidential Search Committee –** open forum, 9 a.m. to 10 a.m., Webinar

15 **Sisterhood Circle –** "Rebirth, Old Birth and Resolutions Women of Color Chat About the Child Birth Experience," 1 p.m., Memorial Union Rose room

15 **Men's Basketball** vs. South Dakota State, 7 p.m., Bison Sports Arena

16 **Women's Basketball** vs. South Dakota State, 7 p.m., Bison Sports Arena

18 **Martin Luther King Jr. Day** holiday observed – university closed

19 **Anti-Racism Tuesday –** "The Impact of the 2010 Census on Race and Immigration," presented by the People Escaping Poverty Project, 12:30 p.m., Memorial Union Arikara room

19 **Chemistry and Molecular Biology –** "Dispersion Interactions in Density-Functional Theory," Erin Johnson, Duke University Department of Chemistry, 3:45 p.m., Dunbar, 152

21 **Chemistry and Molecular Biology –** "Coupling Mechanisms in F1-ATPase," Jingzhi Pu, Harvard University Department of Chemistry and Chemical Biology, 3:45 p.m., Dunbar, 152

21 **Men's Basketball** vs. Oakland, 7 p.m., Bison Sports Arena

23 **Women's Basketball** vs. IPFW, 2 p.m., Bison Sports Arena

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