

# NDSU

VOLUME 4 ISSUE 3

IT'S HAPPENING AT STATE

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## Campus remembers accident victims

More than 900 NDSU faculty, students and staff packed the Memorial Union Ballroom Feb. 23 for a memorial service to honor four students who died in a tragic Feb. 20 car accident near Alexandria, Minn. The attendees came to mourn the deaths of freshmen Jordan Playle of Elk River, Minn.; Lauren Peterson of Prior Lake, Minn.; Danielle Renninger of Excelsior, Minn.; and Megan Sample of Rogers, Minn.

"We are gathered this evening to remember four very special young women," President Dean L. Bresciani told the standing room only crowd in the Memorial Union Ballroom. "We are here to remember how fragile life can be."

Bresciani continued, "Our lives, our university, this world were touched by these four women in a very special way, and that we must never forget."

During the service, Playle, Peterson, Renninger and Sample were described as "bright, bold and beautiful" women, who were filled with life. A video produced by other students said they brought fun and laughter to people around them.

"In this time together, we share, we remember, we cry and we celebrate," said Rev. Theta W. Miller, director of the United Campus Ministry, who led the memorial service. "May our hearts be open as we continue sharing."



NDSU students gather outside the Memorial Union for a candlelight vigil to remember the four students killed in a car accident.

Many of the attendees wore purple to honor the victims. An empty desk symbolized the lost lives.

"These are sad and difficult times for our campus," said Cam Knutson, student body president. He said there is a strong unity at NDSU, noting some classes have held moments of silence and many students have shared memories with local media for news stories. "We've seen our campus come together."

The memorial service was followed with a silent candlelight vigil on the east patio of the Memorial Union.

## Two new Centers of Research Excellence at NDSU approved

The North Dakota Centers of Excellence Commission has approved \$1.67 million to fund two new Centers of Research Excellence at NDSU. NDSU will receive \$1.35 million to develop a new Center of Research Excellence called the Center for Life Sciences Research and Applications, which will conduct life sciences research with private partners, including Sanford Research and the RJ Lee Group Inc. The commission also approved \$320,000 to establish the Center for Technologically Innovative Products and Processes.

Initially, this center will partner with industrial companies such as Mid-America Aviation, Amity Technology and Arkema Inc., assisting with product research, testing, evaluation and analysis.

"These two new research centers are promising economic development projects for the state of North Dakota," North Dakota Commerce Commissioner Al Anderson said. "Centers of Research Excellence projects help us leverage the talent and research expertise that exists in our state."

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**NDSU** [www.ndsu.edu/ihas](http://www.ndsu.edu/ihas)

### News and events

As information becomes available, news and event updates will be located on the "News and Events" website at [www.ndsu.edu/news](http://www.ndsu.edu/news).

### Deadline set for March 15 It's Happening at State

The next electronic issue of It's Happening at State will be posted March 15 at [www.ndsu.edu/ihas](http://www.ndsu.edu/ihas). Submissions for that issue are due at noon on March 12.

### 'Bison Brevities' student talent show scheduled

Blue Key Honor Society has scheduled their annual "Bison Brevities" Talent Show for Tuesday, April 3, in the Festival Concert Hall. All proceeds will be donated to a local charity.

### **NDSU Center for Life Sciences Research and Applications**

Sanford Research, headquartered in Sioux Falls, S.D., and Fargo, plans to partner with the new Center for Life Sciences Research and Applications for research on human genomics and bioinformatics. Initial focus is expected to include breast cancer research and research into certain rare diseases in children.

Sanford Research and RJ Lee have committed to contribute cash and in-kind contributions totaling \$2.7 million to the center during a period of more than four years.

“Sanford Research is pleased to partner with NDSU in this important health research initiative,” said Ruth Krystopolski, executive vice president of development and research at Sanford Health. “We share the belief in and enthusiasm for the application of genomic information toward novel clinical trials, next-generation therapies and cures. Already, advances in clinical genomics have enhanced translational research activities in type 1 diabetes, breast cancer and childhood rare diseases among other disciplines at Sanford Research. This project will allow for an even greater level of integration between scientific discovery and the doctor’s office, and most importantly, improve care for the patients we serve in our region.”

In addition, the RJ Lee Group Inc., a major supplier of industrial forensic capabilities, plans to work with the center and the NDSU DNA Laboratory to develop next generation DNA-based identification and forensic tests and methods. Based in Monroeville, Penn., the group was founded by North Dakota native Richard J. Lee.

The goal of the center is to combine the resources and capabilities of multiple private sector partners interested in the life sciences with NDSU’s research and development capabilities for life science-related technology or product development.

“These centers will be a significant addition to NDSU’s research efforts benefiting our state’s economy, while leading to opportunities for students, both in their studies and in their future careers. The centers provide technology-based economic stimulation that only can come from the comingling of research university and business development activities,” said NDSU President Dean L. Bresciani.

“NDSU’s involvement in these exceptional research partnerships will involve graduate and undergraduate students participating in research activities by the center and its partners. In parallel with this CORE effort, NDSU also plans to offer additional opportunities for postgraduate studies and research in genetics and bioinformatics,” said Bruce Rafert, NDSU provost.

“This new center builds upon NDSU’s expertise in robotics, computational sciences and informatics. It can also serve as another catalyst in the burgeoning life sciences industry cluster in the Red River Valley, further contributing to technology-based economic development,” said Philip Boudjouk, vice president for research at NDSU.

The center will initially focus on discoveries and technologies generated by NDSU and private sector partners that have the potential to:

- Encourage growth of the life sciences industry sector in North Dakota and promote technology-based economic development,
- Spur growth of computational research and sciences, particularly in bioinformatics,

- Spur growth of genomics research, and
- Spur growth of DNA-based forensics and identification research and applications.

Genomics involves studying the function and interactions of all genes in the genome. Such research can involve humans, plants or animals. In human genomics, researchers use biological roadmaps to find which genes might be involved in diseases such as cancer. In plants, it might be which genes play a role in crop disease and performance. In animals, genomics research can lead to a better understanding of disease resistance and susceptibility.

Bioinformatics uses computational technologies to manage and analyze the vast amount of research information that is generated. Computer technology can be used to uncover information hidden in large masses of data, helping to better diagnose and treat diseases in humans, plants and animals.

### **NDSU Center for Technologically Innovative Products and Processes**

The center stems from requests from private sector partners of existing NDSU Centers of Excellence to engage in commercially relevant research projects involving the entire product supply chain, including material design and selection, researching process improvements, testing and evaluating product prototypes, analyzing product failure, and research to improve products. The center will focus on market-driven research to enhance products, reduce production costs and improve processes.

Center partners will utilize NDSU’s expertise in such areas as materials characterization, corrosion research, chemistry and engineering. Another goal of the program is to promote the use of technological developments that have a cost effective, but positive environmental effect in the energy industrial cluster in the western part of the state.

Initial partners include Mid-America Aviation, a leader in the aerospace industry based in West Fargo; Amity Technology, a leader in agricultural equipment applications, in Fargo; and Arkema Inc., a global producer of industrial chemicals, performance products and vinyl products, based in King of Prussia, Pa., that is developing products to better serve the needs of wind-based energy production, a growing energy segment in North Dakota. The three initial private sector partners have committed cash and in-kind match contributions totaling \$640,000 for the new research center.

“The Center of Research Excellence program will provide substantial benefit to Mid-America Aviation by enabling us to leverage the great facilities and personnel at North Dakota State University to provide research support for our development of new overhaul and manufacturing technologies,” said Randall D. Herman, chief operating officer, Mid-America Aviation. “This partnership with the state of North Dakota, NDSU and Mid-America Aviation represents the best possible utilization of public and private resources to enhance business opportunities in our region, to grow our business and to provide better employment opportunities to our workforce.”

The center also will enable NDSU students to participate in industrially relevant research. “It will conduct commercially-relevant research driven by the market, helping companies solve product supply chain problems, while giving students substantial research experience in this business sector,” Boudjouk said.

The center will work with industrial partners from the beginning of the industrial supply chain through to finished products.

## Technology incubator start-up named finalist for national award

Ergologistics, a start-up company at the NDSU Research and Technology Park's Technology Incubator, has been named a finalist for the 2012 Edison Best New Product Awards in the industrial design category. Ergologistics, which manufactures products to reduce wear and tear on the bodies of workers who lift and carry materials, was nominated for its Lift'n Buddy mobile lifting device.

"I am extremely pleased to be a finalist for the 2012 Edison Awards in the category of industrial design," said Aaron Lamb, president of Ergologistics. "This honor solidifies Lift'n Buddy's place in the market. Being in the field of this year's finalists speaks well to the level of innovation we strive for. I am excited for our company, and our extended family at the NDSU Research and Technology Park's Technology Incubator that helped to bring our product to market."

Along with Lift'n Buddy, other tool finalists in the industrial design category are a Kobalt 19-piece double-drive screwdriver set and a slice box cutter. Household-product-finalists in the industrial design category include a Dyson hot fan heater, TikTok + LunaTik and WordLock.

"This nomination is truly an honor for Aaron and his team," said Brenda Wyland, associate director for the NDSU Research and Technology Park. "The finalists for this internationally renowned distinction represent the best of the best in today's cutting-edge innovation and design."

The Edison Awards, which have been in existence for 25 years, recognize innovative products, services and business leaders. The awards are named after Thomas Alva Edison, whose product development methods and innovation garnered him more than 1,000 U.S. patents and made him a household name.

The panel of judges for the Edison Best New Product Awards includes more than 3,000 top marketing professionals and academics as well as professionals from the fields of product development and design, engineering, science and education. Evaluation criteria focus on concept, value, impact and delivery.

## Valentine Ball postponed

The fifth annual Valentine Ball has been postponed until March 23. It previously was scheduled for Feb. 25.

Staff Senate decided to postpone this year's event due to the untimely deaths of four NDSU freshmen. "We feel it is appropriate to postpone the ball to allow time for reflection and healing," said Wendy Gibson, Staff Senate public relations chair, in an email to staff.

Tickets will be for sale again in mid-March. Individuals who have already purchased tickets can use them for admission in March.

## Interim ND-EPSCoR co-project director named



Anderson

Sheri Anderson has been named interim co-project director at NDSU for the North Dakota Experimental Program to Stimulate Competitive Research. Effective Feb. 16, Anderson serves in the interim appointment for the position previously held by David Givers, who retired in January.

"Sheri Anderson is an experienced proposal writer, as well as bringing extensive organizational skill and vision to contribute to the success of research programs," said Philip Boudjouk, vice president for research, creative activities and technology transfer at NDSU and ND EPSCoR co-chair.

In the past 15 years, Anderson has served in various roles to support the development of NDSU's research enterprise. Anderson was the associate vice president for program development and operations in the Office of the Vice President for Research, Creative Activities and Technology Transfer. In that position, she supervised the operations of two research facilities, providing division budget planning, organizational planning and program administration for federal and state grant funding. She also was director of operations and program development, and the business and operations manager in the Office of Research. In addition, Anderson has worked on new initiatives, including funding for a materials research facility, the U.S. Department of Energy-funded Center for Computationally-Assisted Science and Technology and North Dakota Economic Development Centers of Excellence programs. In her interim position as ND EPSCoR co-project director, Anderson will be responsible for overseeing EPSCoR programming and operations and will assist in crafting the next ND EPSCoR submission to the National Science Foundation.

ND EPSCoR provides research funding for doctoral dissertations, new faculty start-up awards, science infrastructure, support for women in science and engineering, as well as programs for undergrads and work with the private sector.

Prior to joining NDSU in 1997, Anderson served as an operations officer for an Air Force base redevelopment project in San Bernardino, Calif., where she worked on projects for federal certification of airfield operations and security. She earned a master's degree in business administration from NDSU.

## NDSU Bookstore helps create custom course materials

The NDSU Bookstore has partnered with Academic Pub to help NDSU faculty create custom course materials. The application provides real-time copyright clearance and an expanding content library, along with the ability to add additional materials and articles from the web. Once the content is selected, the NDSU Bookstore can print the text on the Espresso Book Machine. Additional copies can be made in hours. Digital copies are available for some course packs. For more information, contact Carl Wichman in the NDSU Bookstore at [carl.wichman@ndsu.edu](mailto:carl.wichman@ndsu.edu) or 1-8015.

## FORWARD announces mentor travel grant awards



**Grandbois**

Twenty-four faculty have been awarded Mentor Relationship Travel Grants through the FORWARD project. The grants offset the costs of meeting with mentors from outside NDSU to build long-term professional mentoring relationships. Some grants are used by NDSU faculty to travel to meet with mentors, and others are used to bring a mentor to NDSU.



**Ludwig**

Donna Grandbois, assistant professor of nursing, will use her funding to take part in the third annual Health Equity Leadership Institute: Building Collaborative Research Teams, facilitated by her mentor, Jared Jobe, former program manager at the National Institutes of Health. Jobe is a founding member of the National Institutes of Health's American Indian-Alaska Native Employee Council and the institute's Community-Based Participatory Research Scientific Interest Group. The institute is an intensive weeklong "research boot camp" focused on helping investigators, particularly investigators from underrepresented populations, engage in health equity research to achieve research funding through the National Institutes of Health.



**Rupiper Taggart**

With her funding, Simone Ludwig, associate professor of computer science, will meet this summer with her mentor, Wolfgang Banzhaf, professor of computer science at Memorial University of Newfoundland, Canada, a leading authority in the field of genetic programming and evolutionary computation. Banzhaf and Ludwig will develop steps to advance her career and her research program in evolutionary computation and swarm intelligence.



**Birmingham**

Elizabeth Birmingham and Amy Rupiper Taggart, associate professors of English, will use their funding to travel to Philadelphia in May to participate in the 2012 Rhetoric Society of America Career Retreat for Associate Professors in conjunction with the society's conference. At the retreat, Birmingham and Taggart will work with senior members of the society serving as career mentors to analyze their current curriculum vita and develop an action plan to achieve promotion to full professor. This opportunity also will enhance the peer mentoring Rupiper Taggart and Birmingham engage in through NDSU FORWARD's mid-career mentoring program.

Other recipients for Mentor Relationship Travel Grants for 2011-12 include Senay Simsek and Kim Vonnahme from the College of Agriculture, Food Systems, and Natural Resources; Kjersten Nelson, Amy O'Connor, Kathryn Samuels, Courtney Waid-Lindberg and Christina Weber from the College of Arts, Humanities and Social Science; Rajani Pillai from the College of Business; Stevie Famulari, Sumathy Krishnan, Annie Tangpong, Joan Vonderbruggen and Yechun Wang from the College of Engineering and Architecture; Kristen Benson, Elizabeth Erichsen, Jooyeon Ha, Christi McGeorge and Sherri Stastny from the College of Human Development and Education; and Hyunsook Do and Juan Li from the College of Science and Mathematics.

## Computer science capstone course goes international

Student teams in the NDSU Computer Science Capstone Projects course have developed more than 100 real-world industry sponsored projects for regional companies since 2004, covering everything from Web apps to cell phone apps to cloud computing to robotics to prototyping new development systems for sponsors. These companies have been local, such as Microsoft, Phoenix International and Blue Cross Blue Shield of North Dakota, as well as regional companies, like IBM, Polaris, Rockwell Collins and National Information Solutions Cooperative. In addition to learning how to work remotely with sponsors, students have been on teams with students from other countries. But until now they have not had the opportunity to work directly with companies in other countries.

Since international development projects are becoming common in industries, it is deemed to be beneficial for students to gain this experience. At the beginning of this semester, the Capstone Projects course started including international capstone projects where students work from NDSU, but their sponsoring companies are international.

One NDSU student team is working for COMbridge in Hannover, Germany, and a second NDSU team is working for Syntronic in Linkoping, Sweden. At the same time, a student team from Linkoping University is working on a project for Polaris in the Minneapolis region, while a second team from Fachhochschule Hannover is working on a project for National Information Solutions Cooperative in Mandan, N.D.

Establishing these international connections has taken a few years to develop. The capstone instructor, Dean Knudson, met a German professor from Fachhochschule Hannover and a Swedish professor from Linkoping University at different conferences in recent years. In discussing what each was doing for their capstone projects, the concept of an exchange of student projects was developed. The idea was that a team from NDSU would do a project for a company in Germany while a team of German students would do a project for a company in the United States. Two of the current 13 NDSU capstone teams, consisting of three to five students each, are involved.

## German Russians recall folk medicine on radio program

Organizers of the Dakota Memories Oral History Project, in cooperation with Prairie Public Broadcasting, will air a new radio program titled "German-Russian Folk Medicine: Old Docs, Prairie Women, and Healing Hands."

The program is scheduled for Wednesday, March 14, at 3 p.m. and 7 p.m. (CST). During their oral histories, narrators share memories of traditional German-Russian folk medicine, home remedies and health care. The program will feature fascinating stories about customary home remedies from mothers and grandmothers, hospital visits for broken bones or ailments and the art of healing called "brauche." Carol Just, a German-Russian descendant and researcher, has provided context for these extraordinary memories.

Listeners will hear narrators such as Alice (Woehl) Buerkley from Kulm, N.D., share her family's Friday night visits to the neighbor lady for treatment of ailments like ringworm and boils. Buerkley remembers the neighbor clipping a piece of her hair to make a salve to cure her ringworm. Money was never accepted, as it was believed it would not work if money was taken to pay for the healing. Gilbert Ost of Beulah, N.D., recalls the "bare bones" accommodations at the Hillcrest Hospital in Beulah where he was admitted for an appendectomy. The hospital was simply an old hotel that was moved from Halliday, N.D.

Public interest in documenting and preserving German-Russian ethnic identity inspired the launch of the project in 2005. For four years, organizers traveled the Northern Plains, gathering stories and documenting family relationships and childhood memories of second and third generation Germans from Russia.

The NDSU Libraries' Germans from Russia Heritage Collection and Prairie Public provide major funding for the program. A CD of the radio program will be available for \$15. To pre-order the CD, contact Acacia Stuckle, special collections associate, at 1-6596 or [acacia.stuckle@ndsu.edu](mailto:acacia.stuckle@ndsu.edu).

The program can be heard on North Dakota stations 90.5 FM in Bismarck, 89.9 FM in Dickinson, 91.7 FM in Devils Lake, 91.9 FM in Fargo, 89.3 FM in Grand Forks, 91.5 FM in Jamestown, 88.9 FM in Minot and 89.5 FM in Williston.

The Dakota Memories Oral History Project is a privately funded project sponsored by the NDSU Libraries' Germans from Russia Heritage Collection. NDSU is a student-focused national research university, dedicated to its land-grant mission of service to the public. Visit [www.ndsu.edu/grhc/dakotamemories](http://www.ndsu.edu/grhc/dakotamemories) or call 1-6596 for more information.

## 'Dress for Success' donations sought

The NDSU Volunteer Network is collecting "Dress for Success" donations through March 2 as part of Women's Week. Desired donations include new and gently used career attire; unopened hair/cosmetic products; closed-toe, interview-appropriate shoes; unopened hosiery; new undergarments and business-appropriate jewelry.

"Dress for Success" promotes the economic independence of disadvantaged women by providing professional attire, support and career development tools.

The items will be donated to the "Dress for Success" organization in Hawley, Minn.

Drop-off locations are in the Barry Hall Bookstore, Klai Hall, Renaissance Hall, the Volunteer Network Office in the Memorial Union and during the showing of the film, "The Help," at the Memorial Union Century Theater on Wednesday, Feb. 29, at 7 p.m.

For more information, contact the NDSU Volunteer Network at [NDSU.Volunteer.Network@ndsu.edu](mailto:NDSU.Volunteer.Network@ndsu.edu).

## Second graders graduate from Great Health Care Adventure



Second graders from Madison Elementary proudly display their Great Health Care Adventure completion certificates on Feb. 24.

Twenty Madison Elementary second graders graduated from NDSU's Great Health Care Adventure after school program on Feb. 24. The children attended six sessions, which took place Wednesday afternoons after school from Nov. 16 to Dec. 7, where they learned about health careers, healthy choices and medication safety. The children received a completion certificate and special NDSU lab coat or scrubs upon graduation.

NDSU College of Pharmacy, Nursing, and Allied Sciences students helped with the project by visiting elementary schools in the Fargo-Moorhead area and teaching students about careers in the healthcare field in fun, interactive ways.

The healthcare sessions were meant to be entertaining and exciting for the elementary students. One session included finding simulated germs, or "Glo-Germs" with a black light to show how germs can hide on hands even after washing them. Other fun sessions included working with puppets to see their lungs, looking at an over-sized vein to show what makes up blood, making homemade X-rays, filling prescriptions, learning how to find a pulse and making healthy choices.



An NDSU student helps Madison Elementary second graders practice listening to each other's heartbeats.

The program is funded by grants from Walgreens and Target and is free to elementary schools. The college has offered the program since 2009.

## NDSU students to compete in Clean Snowmobile Challenge



The NDSU Clean Snowmobile Challenge team members include (left to right) Andy Bristow, Rick Bjorkquist, Drew Weber and Chad Thomas.

A team of NDSU students is set to compete in the upcoming 13th annual Society of Automotive Engineers' Clean Snowmobile Challenge. The collegiate design competition is scheduled for March 5-10 at Michigan Technology University in Houghton, Mich.

The NDSU squad is one of 12 teams entered in the internal combustion category, where engineering students take a stock snowmobile and re-engineer it. The goal is to reduce emissions and noise and increase fuel efficiency while preserving power.

"Our sled is meant to be a proof of concept for diesel-powered recreational vehicles," said Chad Thomas, a member of NDSU's snowmobile team. "The efficiency and noise components of the challenge are where we expect to have the biggest advantage over the competition."

Much of the design work for the NDSU sled was completed by a core group of mechanical engineering students, including Thomas, a senior from Moorhead; Andy Bristow, a senior from Alexandria Minn.; Drew Weber, a senior from Cottage Grove Minn.; and Rick Bjorkquist, a senior from Crosslake Minn.

Fuel economy is a top priority in the contest, and sleds in the internal combustion category need to adapt to fuels with a range of either ethanol or bio-diesel concentrations. The NDSU team is using a turbo-diesel engine, only the second team in the competition's history to do so. During the Endurance Run, teams are rated, in part, on their snowmobiles' mileage during a 100-mile trek. Fuel usage also is measured during indoor emissions testing, and a mobile emissions test incorporates a fuel flow meter.

"By taking the less common diesel route on this project, we gave ourselves a big challenge," Weber said. "We are challenging the status quo and we hope this helps some new technology makes its way to the market."

The core team was assisted by Nathan DuChene, a sophomore majoring in agricultural engineering from Detroit Lakes, Minn.; Tyler Hausladen, a freshman majoring in agricultural economics from New Germany, Minn.; Thomas Mittelsteadt, a junior majoring in mechanical engineering from Mandan, N.D.; and Michael Schmidt, a junior majoring in mechanical engineering from Bismarck N.D.

Major sponsors for the competition include the National Science Foundation; USDA Forest Service; National Park Service; automotive parts supplier DENSO; Emitec Inc., a supplier of emissions-reduction technology; Phoenix International, a John Deere company; Aristo Catalyst Technology; Mahle; Gage Products; and Camoplast.

Sponsors for the NDSU team include Polaris, Bobcat, Bunke Racing, Tharaldson Ethanol, Emitec, Stainless Headers, Aristo, United Lease and Finance, Mac's and Excel Energy.

In addition to NDSU, the teams registered for the internal combustion category include Clarkson University, Potsdam, N.Y.; École de Technologie Supérieure, Montreal; Kettering University, Flint; Michigan Tech; Northern Illinois University; State University of New York at Buffalo; and the Universities of Alaska Fairbanks, Idaho, Waterloo (Ontario), Wisconsin-Madison and Wisconsin-Platteville.

For more information, visit [www.mtu.edu/snowmobile](http://www.mtu.edu/snowmobile).

## College announces new student ambassadors

The College of Pharmacy, Nursing, and Allied Sciences Ambassadors has announced 11 new ambassadors. Ambassadors represent each program in the college and vary from pre-professional students to graduate students. The individuals participated in an application and interview process and were selected based on their leadership skills, dedication and effective speaking ability.

The College of Pharmacy, Nursing, and Allied Science Ambassadors is a closed organization of 30-35 students who serve the role of promoting the college through various events such as Sudro Hall tours for prospective students and families, Homecoming tours for alumni, White Coat ceremony for pharmacy students, nurse pinning ceremony, Allied Sciences Intern Celebration, the Great Health Care Adventure, the Battle of the "Cents-es" Penny War and other events involving prospective and current students, alumni and the Fargo-Moorhead community.

The college welcomes two pharmacy students, Gabrielle Anderson and Daniel Broderick, into the program. The following nursing students also were accepted: Marisa Rittgers, Amy Donner, Molly Grove, Ashley Peterson, Elizabeth Ugelstad and Jennifer DeCock. Allied sciences students Rebecca Wiig, Kristen Weiss and Rebecca Morton also were greeted into the program.

Dana Davis, director of recruitment, and Sara Wald, director of advancement, co-advise the group. For more information about the college, visit [www.ndsu.edu/pharmacy](http://www.ndsu.edu/pharmacy).

## Women's Leadership Development Institute scheduled

The Tri-College National Education for Women's Leadership Development Institute is scheduled for June 2-6 at Concordia College in Moorhead, Minn. The intensive five-day residential program is designed to provide leadership training, inspiration and support for women in the Upper Midwest who do not have extensive leadership experience. There is particular emphasis on recruiting women from groups that have typically been underrepresented voices in the political process.

Applicants should have an interest in politics, public or community service, and have a desire to develop their leadership skills. Approximately 50 college and community women will be accepted. For information, testimonials and an application, visit [www.tri-college.org/new\\_leadership\\_institute](http://www.tri-college.org/new_leadership_institute). Applications will be accepted until March 23.

There is no cost to participate. Participants will have the option of registering for a three-credit course in women's studies, sociology or social work. Persons who choose to register for course credit will have to pay for course registration expenses. If there are concerns about travel, childcare or other expenses incurred during the five-day institute, scholarships are available.

For more information, contact Deb White at 218-477-2041 or [whitede@mnstate.edu](mailto:whitede@mnstate.edu).

Tri-College University is the partnership between NDSU, Concordia College and Minnesota State University Moorhead.

## Staff Senate nominations sought

NDSU Staff Senate is seeking nominations for new senators. Nominations will begin March 1 and will end March 15.

Staff Senate is comprised of 60 senators representing more than 1,400 NDSU staff members. Senators meet the first Wednesday of each month and serve on one standing committee each year, but have the opportunity to serve on additional committees if they are interested.

Senate members have the chance to network with other staff members from many different NDSU departments and become involved in campuswide committees supporting the library, university athletics and the arboretum. Senate members also discuss and impact campuswide policy and gather and assist in the formulation and revision of new and existing policies. Members also interact with student leaders, assist with the annual homecoming float or are involved in staff appreciation, award and recognition events.

If you have questions about Staff Senate, contact one of the executive committee members at [www.ndsu.edu/staff\\_senate/committees/#c40553](http://www.ndsu.edu/staff_senate/committees/#c40553) or any other serving senator at [www.ndsu.edu/staff\\_senate/senator\\_directory](http://www.ndsu.edu/staff_senate/senator_directory).

Voting for senators will take place March 22 to March 29. For additional information, visit [www.ndsu.edu/staff\\_senate](http://www.ndsu.edu/staff_senate).

## Staff Recognition Award nominations sought

The Staff Senate, in partnership with the Office of Human Resources/Payroll, is seeking nominations for the 2012 Staff Recognition Awards.

The awards acknowledge outstanding achievement on the job, exceptional contributions toward the effectiveness and efficiency of operations or outstanding service to other employees, students or visitors. They also honor distinguished efforts in staff development.

Nominations of broadbanded staff members in two categories, Individual Awards and a Team/Committee Award, will be accepted until 4 p.m. on Friday, March 23.

Up to 10 individual awards will be given based on broadbanded percentages at NDSU. A single team/committee award also will be given to a team of two to 10 members.

Individual award winners will receive \$250 cash awards. The team/committee award winner will receive a \$600 cash award to divide equally among the team members (maximum of \$250 per individual team member). Winners will be announced and recognized at the Staff Recognition Luncheon on April 10.

Winners of the individual awards also will be considered for Governor's Awards. In 2009, two individual award winners were selected for the award and were recognized by the governor at the Capitol Building in Bismarck.

Nomination forms and guidelines are available at [www.ndsu.edu/staff\\_senate/staff\\_recognition\\_award](http://www.ndsu.edu/staff_senate/staff_recognition_award). Forms can be completed and submitted online. To obtain a paper nomination form, contact Janine Trowbridge, staff senator of the Employee Recognition Committee, at [janine.trowbridge@ndsu.edu](mailto:janine.trowbridge@ndsu.edu) or 1-7315.

## Technology fee action plans due March 9

The Technology Fee Advisory Committee is seeking action plans and funding requests aimed at improving the quality of education and campus life at NDSU through technology. Proposals specifically addressing innovative uses of technology to improve instruction and student learning are encouraged. The committee has a strong interest in one-time funding opportunities offering a unique application of technology that will enhance the student experience.

A copy of the action plan template and past funded proposals/reports can be found at [www.ndsu.edu/tfac](http://www.ndsu.edu/tfac). The action plan form recently was revised, so make sure to link to the template on the website.

To receive consideration, deliver a paper copy of the action plan with the required signatures to the committee, c/o Marc Wallman, interim vice president for information technology, IACC 204, by 5 p.m. on March 9. Also submit an electronic copy of the action plan to [rian.nostrum@ndsu.edu](mailto:rian.nostrum@ndsu.edu), 1-7890, by March 9.

## Students partake in 'Architecture For the Birds' competition



Winners from last year's competition.

NDSU second-year architecture students are participating in the third annual design and construction competition, "Architecture for the Birds." The students were asked to design a dwelling specifically for a particular type of bird through interpretation of an award-winning architect's design philosophy. The projects will be featured at the Plains Art Museum in downtown Fargo from March 19 through April 1.

When designing the house for the "client," which ranged from an a Black-capped Chickadee to an Eastern Screech Owl, the students considered favored environment, dwelling habits, spatial requirements, number of family members, patterns of use and context.

Students also were challenged to integrate the design philosophy of an architect, or architecture team, who has won the international Pritzker design award. This pushed the students to design for their assigned bird in a way they perceive their chosen architect would.

In addition, the birdhouses were required to be fully usable by an actual bird, made of non-toxic materials and able to withstand local weather conditions.

According to Joan Vorderbruggen, assistant professor of architecture, who introduced the project along with architecture associate professor Darryl Booker in 2010, "This project allows students to realize their designs by building an actual dwelling to scale for the user."

The competition entries include a graphic component with a brief history of the architect and major design influences or philosophies the architect addresses, as well as specific information about the bird and the student's design process.

During the exhibit, the general public will cast votes for "People's Choice for Best Overall Design."

An architect, a craftsman/artist and a bird specialist also will judge the projects. Awards will be given for "Best Translation of the Pritzker Architect's Design Philosophy" and "House Best Suited for Bird Species."

## The Spectrum receives honors at regional conference

The university's student-run newspaper, The Spectrum, competed at a regional conference Feb. 10-12 in Minneapolis and took home three major awards and two individual awards.

Colleges from as far away as New York brought their newspapers and newspaper staffs to exchange ideas and contend against each other for recognition during the Associated Collegiate Press' Best of the Midwest college newspaper convention.

In its category, The Spectrum took second place overall for its regular print edition. The newspaper also earned third place for its website and fifth place for a submitted special edition, which featured the football team's winning the national championship.

In individual categories, Rylee Nelson, former photo editor for the publication, won third place for best news photo for his black and white photograph of NDSU's Kurtis Julson wrestling SDSU's Joe Rasmussen.

In the same category, Cate Ekegren, one of The Spectrum's two news editors, took fourth place for an image of rhythm and blues star Mike Posner.

This was the most successful year at the competition in recent history for The Spectrum. Last year, the newspaper earned one award and one individual award.

"We are all excited about the recognition we received at the conference," said Matt Severns, newspaper editor-in-chief. "The entire staff has been working very hard this year, and we're so glad to see some of that work pay off."

## Deadline nears for ordering commencement academic regalia

For individuals planning to participate in the May commencement ceremony, the deadline to order academic regalia is Monday, March 12. An additional fee for expedited shipping will be charged if an order is received after the deadline. Faculty can purchase or rent academic regalia.

Contact Jodi Askew at [jodi.askew@ndsu.edu](mailto:jodi.askew@ndsu.edu) or 1-7428 to rent or purchase academic regalia. She will reply with the order form that needs to be completed.

The rental prices are as follows:

|                             |         |
|-----------------------------|---------|
| Master gown, cap and tassel | \$29.99 |
| Master hood                 | \$29.99 |
| Total                       | \$59.98 |

|                             |         |
|-----------------------------|---------|
| Doctor gown, cap and tassel | \$33.99 |
| Doctor hood                 | \$33.99 |
| Total                       | \$67.98 |

Instructions for wearing the hood will be available when picking up the attire.



## Defensive driving course planned

Robin Reidman of the North Dakota Department of Transportation is scheduled to present defensive driving courses on Thursday, March 15, from 8 a.m. to noon in EML room 183 and Wednesday, March 28, from 8 a.m. to noon in the Memorial Union Prairie room.

NDSU Fleet Services requires people who operate fleet vehicles on at least a monthly basis to take the National Safety Council Defensive Driving Course as soon as possible after accepting employment and every four years thereafter. Training for individuals who operate fleet vehicles less than monthly is at the discretion of agency trainers or risk managers.

Fleet Services also requires people who have been involved in the past 12 months in a motor vehicle accident with a State Fleet vehicle or have received a traffic citation while operating a State Fleet vehicle to attend the course within the calendar year of the accident or citation.

The University Police and Safety Office encourages people who operate State Fleet vehicles less than monthly to attend the course, keeping in mind that priority will be given to participants who meet the above requirements.

To register, contact Tammy Aronson, safety and compliance specialist, at [tammy.aronson@ndsu.edu](mailto:tammy.aronson@ndsu.edu) or 1-5637.

## Engebretson Family Research Fund applications sought

The NDSU Development Foundation is seeking applications for the inaugural awarding of the Engebretson Family Research Fund. The fund is seeking proposals to aid in drug design and delivery research. Applications are encouraged from all colleges at the university. Total funds available for distribution for the 2012 academic year are \$19,300.

Twins Duane and Glenn Engebretson were born in 1921 in Devils Lake, N.D. Their father, Elmer Engebretson, operated the Devils Lake Drug beginning in 1916 where both sons were employed, beginning at age 13, in the store's soda fountain. Duane and Glenn followed in their father's pharmacy footsteps, graduating in 1943 from the University of Minnesota with bachelor's degrees in pharmacy. After their honorable discharges from the service in 1946, the brothers returned to North Dakota to work at Devils Lake Drug with their father, purchasing their father's interest in the business in 1949 and operating the pharmacy for 23 years until their retirement.

Duane and Glenn, along with their late parents, Elmer and Ethel Engebretson, have long been supporters of NDSU. The intent of the family has been to catalyze collaborative drug design and development research toward improved drug therapies that enhance human health care.

Faculty and staff can access application forms at the Development Foundation's website, [www.ndsufoundation.com/grants.htm](http://www.ndsufoundation.com/grants.htm). The application deadline is Feb. 29. The NDSU Development Foundation will notify applicants of funding decisions prior to March 30.

## Steinhaus-Rhinehart Scholarship applications sought

Students are encouraged to apply for the NDSU Development Foundation Steinhaus-Rhinehart Scholarship. Applications are available at Student Financial Services in Ceres Hall 202. Students with a senior standing as of fall 2012 can apply for the \$800 scholarship until the March 1 deadline.

Mabry C. Steinhaus established the endowment in 1994 in honor of her late husband Edward A. Steinhaus, an NDSU alumnus, and his parents, Alice Rhinehart-Steinhaus and Arthur A. Steinhaus. It provides scholarship assistance to students in the College of Science and Mathematics or College of Agriculture, Food Systems, and Natural Resources who are majoring in a biological science (animal and range science, biochemistry, biological sciences, biotechnology, biotic resources science, botany, crop and weed sciences, food sciences, food safety, horticulture, microbiology or zoology) and who plan to do research and attend graduate school in the area of biological science. Students must have a cumulative grade-point average of 3.0 or higher.

Steinhaus grew up in Max, N.D., and graduated from NDSU in 1936 with a major in bacteriology. He went on to earn his doctorate from Ohio State University in 1939, focusing on bacteriology with a strong interest in entomology.

A committee of faculty from each of the two colleges will monitor applications. The recipient will be selected by mid-March and the award will be made during the fall 2012 semester.

## 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 2012 academic year. The application deadline is Feb. 29.

The Centennial Endowment Fund can provide maximum awards of \$5,000, with a total of \$20,000 available. It supports professorships, scholarships, biotechnology, faculty development, libraries and cultural arts.

The NDSU Development Foundation Board of Trustees Endowment can provide maximum awards of \$1,000, with a total of \$4,100 available. It supports general programs across campus.

The NDSU Development Foundation Libraries Endowment has \$3,000 available. It supports requests from any academic unit on campus for materials that will enhance the collections and/or operations of university libraries.

The NDSU Development Foundation Gordon A. Larson Agricultural Research Fund has \$13,950 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 the Development Foundation's website at [www.ndsufoundation.com/grants.htm](http://www.ndsufoundation.com/grants.htm). The NDSU Development Foundation will notify applicants of funding decisions prior to March 30.

**DIVERSITY**

## Diversity Impact Award nominations sought

The 2011-12 Diversity Impact Award committee seeks nominations of NDSU students, faculty, staff and administrators who have contributed to advancing diversity as related to the NDSU Division of Equity, Diversity and Global Outreach Strategic Plan, through positive interactions with others, a respect and value for differing backgrounds and points of view within and/or external to NDSU.

Nominations are due by March 30 and will be reviewed by a committee appointed by the Division of Equity, Diversity and Global Outreach. The individual or group selected to receive the 2011-12 Diversity Impact Award also will receive \$500 to be contributed to the campus or community charity of the recipient's choice.

Additional information about the Diversity Impact Award and the nomination process can be found at [www.ndsu.edu/diversity/diversity\\_impact\\_award](http://www.ndsu.edu/diversity/diversity_impact_award) or by contacting Kara Gravley-Stack, director of diversity initiatives, at [kara.gravley-stack@ndsu.edu](mailto:kara.gravley-stack@ndsu.edu) or 1-7091.

**RESEARCH**

## Study finds magazine type, gender affect how health news is reported



**Beck**

A new study by an NDSU faculty member and an NDSU alumna found health magazines are more likely than general popular culture magazines to use powerless language, or language that lacks certainty or directness, when reporting new health information.

The research was conducted by Stephenson Beck, assistant professor of communication, and Ashley Fandrich, who earned a master's degree in communication from NDSU in 2010. The study was part of Fandrich's master's thesis under Beck's direction.

The paper, "Powerless Language in Health Media: The Influence of Biological Sex and Magazine Type on Health Language," was published in the January-March 2012 Communication Studies.

While uncertain language is considered less credible in many contexts, past research on written communication indicates it is important in science and health reporting because it improves accuracy by acknowledging the limitations of new data, Beck and Fandrich wrote.

According to the study, media is the most popular source of new health information, but people are sometimes skeptical of news reports because they hear contradictory messages. "News reports focus on the exciting aspect of the news story, but neglect the

details that properly frame it," Beck said. "We found that magazines devoted to health issues are more willing to include the necessary qualifiers to make the report accurate, whereas more popular magazines do not provide this information."

For the study, Beck and Fandrich reviewed 141 health articles from health or general popular culture magazines published between October 2008 and September 2009 that specifically targeted a male or female audience. Each article was broken into thought units or statements that could stand alone as a complete thought. Words and phrases that moderated a statement, phrases or punctuation that caused pauses and tag questions were identified as powerless language.

### Frequency of powerless language based on author sex and topic focus

| Female author |               | Male author  |               |
|---------------|---------------|--------------|---------------|
| Health focus  | General focus | Health focus | General focus |
| 13.3 percent  | 7.7 percent   | 6.8 percent  | 3.4 percent   |

### Frequency of powerless language based on audience sex and topic focus

| Female audience |               | Male audience |               |
|-----------------|---------------|---------------|---------------|
| Health focus    | General focus | Health focus  | General focus |
| 12 percent      | 8.4 percent   | 8.9 percent   | 3.9 percent   |

Other findings in the study related to the gender of the writer and the target audience. The researchers found female authors are more likely to use powerless language. "Past research suggested that females used more powerless language when talking to females and more powerful language when talking to males," Beck said. "We did not find this to be the case, at least in terms of written media. Female authors used the same frequency of powerless language for both male and female audiences." The study also found that female-targeted magazines tend to use more powerless language than male-targeted magazines.

### Frequency of powerless language based on author and audience sex

| Female author   |               | Male author     |               |
|-----------------|---------------|-----------------|---------------|
| Female audience | Male audience | Female audience | Male audience |
| 10.3 percent    | 10.4 percent  | 6.3 percent     | 5.6 percent   |

The researchers noted that 91 percent of the content they reviewed included powerful language or language that is direct and conveys certainty. "Even though powerless language made up a small portion of the data, this should not be interpreted to mean that it was less influential than powerful language," the researchers wrote. "In fact, quite the opposite might be true. Communication that is rare may be influential, since it deviates from the norm."

Overall, the study found female authors and health-focused magazines used more powerless language than male authors and general magazines and that powerless language was directed toward female audience more often than male audiences.

## Assistant professor receives international fellowship



Khan

Samee U. Khan, assistant professor of electrical and computer engineering, received the 2012 Chinese Academy of Sciences Young International Scientist Fellowship.

The fellowship's aim is to foster close collaborations between the Chinese Academy of Sciences and international researchers. Khan will work with academy researchers in the newly established

Center for Cloud Computing at the Shenzhen Institutes of Advanced Technology.

"The Center for Cloud Computing has state-of-the-art facilities, which makes it a very attractive proposition for international researchers," Khan said.

Khan chairs the steering committee for the Institute of Electrical and Electronics Engineers Technical Area of Green Computing. The technical area promotes research and education on the general topic of green computing that covers domains, such as cloud computing, utility computing, cluster computing, supercomputing and cyberinfrastructures.

"I feel honored to be selected for the fellowship. I hope that I can form close collaborations with academy researchers and also interface NDSU researchers with the Chinese Academy to address research issues related to the energy efficiency in cloud computing," Khan said.

Khan is an adjunct professor in the NDSU computer science department and an adjunct professor of computer science at the Commission on Science and Technology for Sustainable Development in the South Asia Institute of Information Technology, Pakistan.

## Animal sciences graduate student receives grant

Quynn Larson, a first-year master's degree student in animal sciences, received a grant from the North Dakota State Board of Agriculture Research and Education and the North Dakota Corn Council. The funding will enable Larson to continue work on the impacts of dried distillers grains with solubles supplementation on livestock performance and meat quality. The grant was titled "Development of self-limiting DDGS for yearling livestock." Larson is working with Bryan Neville, assistant animal scientist, and Rob Maddock, associate professor of animal sciences.

## PEOPLE

### NDSU graduate student named NASA intern



Ayitou

NDSU chemistry and biochemistry graduate student Anoklase Ayitou has been selected as an intern with the NASA Goddard Space Flight Center, where he will work under the guidance of electronics engineer Mahmooda Sultana in spring 2012.

At the flight center, Ayitou will develop the chemistry and procedures for in situ synthesis of stationary phases for microfluidic/microchannel-based chromatography systems. "I am excited to have Anoklase work with us on one of my projects because his background and expertise match very well with the project needs," Sultana said. "I think this project will give him an opportunity to apply skills learned in the graduate program at NDSU to some real applications, such as the development of an in situ analytical tool that will be used to explore the presence of life in other planets and moons."

Ayitou was selected for the program based on his ability to carry out cutting-edge research with unique applications. He is funded by the North Dakota Space Grant Program and the NASA Higher Education Program.

As a doctoral candidate in Sivaguru Jayaraman's NDSU lab, Ayitou's research covers major areas of chemistry such as organic synthesis, photochemistry, photophysics and analytical and physical chemistry. His thesis work focuses on achieving higher enantioselectivity in light-induced synthesis using molecularly chiral chromophores. "This will be an ideal opportunity for Anoklase to develop leadership skills," Jayaraman said. "I am also very proud to have him as a graduate student in my research group."

Ayitou previously was awarded several prestigious fellowships, including the National Science Foundation Graduate Research Fellowship, United Negro College Fund/Merck Graduate Research Fellowship and 2011 National Organization for the Professional Advancement of Black Chemists and Chemical Engineers-GlaxoSmith-Kline Graduate Award.

### Quentin Burdick Center director receives grant



McKee

Gregory McKee, assistant professor of agribusiness and applied economics and director of the Quentin Burdick Center for Cooperatives, received a \$50,000 grant from the foundation of the Cenex Harvest States cooperative education program.

The grant, titled "Quentin Burdick Center for Cooperatives," will assist the center in its mission to provide education to college-age students in preparing them for careers with cooperatives and to better fulfill their roles as members and directors. The center also conducts research cooperatives can use to strengthen their operating and service to members.

## Graduate assistant to attend Clinton Global Initiative University

Amy Nash, graduate assistant for the Memorial Union Gallery and Store, has been selected to participate in the fifth Clinton Global Initiative University. The event is scheduled for March 30 to April 1 at George Washington University in Washington, D.C.

The Clinton Global Initiative University, which was launched in 2007 by former President Bill Clinton, challenges college students to address global issues with practical, innovative solutions. The meetings consist of working sessions, skill sessions and large plenary sessions, where participants can learn about creative approaches to solving global issues.

Each participant makes a Commitment to Action – a new, specific and measurable plan that addresses a challenge on their campus, in their local community or around the world. Nash's application revolved around a commitment to sustainability on the three-tiered approach of the balance of economics, social issues and environment. She wrote about the need for a comprehensive plan that is implemented toward sustainability on a campus that can be scaled to apply to a city like Fargo and eventually a state such as North Dakota. These concepts are related to her graduate studies.

Presenters at the meeting are scheduled to include such notable speakers as Chelsea Clinton; Jon Stewart, host of "The Daily Show with Jon Stewart;" and Bekele Geleta, secretary general of the International Federation of Red Cross and Red Crescent Societies.

More information is available at [http://press.clintonglobalinitiative.org/press\\_releases\\_cgiu/fifth-annual-cgi-u](http://press.clintonglobalinitiative.org/press_releases_cgiu/fifth-annual-cgi-u).

## Professor receives grant for Dakota Kids Count program



Rathge

Richard Rathge, professor in the agribusiness and applied economics department, has received a \$75,000 grant from the Annie E. Casey Foundation. The grant provides funding for the North Dakota Kids Count program that is part of a nationwide network of state-based programs to track the status of children. The initiative is funded from the Annie E. Casey Foundation whose primary

mission is to foster public policies, human-service reforms and community supports that more effectively meet the needs of today's children and families.

The mission of North Dakota Kids Count, which has been housed at NDSU since 2003, is to provide accurate, current data on child well-being in order to inform local and state discussions about how to secure better futures for all of North Dakota's children. The program produces two annual publications that provide county, regional and state-level profiles on children's well-being as it relates to demographics, family composition, economics, health, education and early care and safety and risky behaviors. The program also offers other publications, presentations and newsletters throughout the year highlighting recent trends affecting North Dakota children and families.

## Tri-College University appoints new citizen board members



Knutson

Debra Knutson and Mark Nisbet have been appointed to the Tri-College University board of directors as citizen members.

Knutson is a master teacher for Prairie Public Television and a facilitator for their Teacher Training Institutes. Knutson earned her master's degree in curriculum and instruction from St. Thomas University and a bachelor's degree in art education (K-12) from Minnesota State University Moorhead. She retired after 21 years teaching art with the Moorhead Independent School District. Knutson also taught art education courses as an adjunct instructor at both MSUM and Concordia College. Knutson is a member of the Art Educators of Minnesota and the National Art Education Association.



Nisbet

Nisbet is the North Dakota principal manager for Xcel Energy. He earned a bachelor's degree in business administration from MSUM and is a graduate of the Minnesota Management Institute at the Carlson School of Business, University of Minnesota. Nisbet serves on the Greater Fargo-Moorhead Economic Development Corp. board, NDSU Research and Technology Incubator Advisory Board and executive board of Fargo's Downtown Community Partnership and is a former board president. He is a board member and former president of the Northern Lights Council of the Boy Scouts of America. He is chair of the governor's Centers of Excellence Commission, North Dakota EmPower Commission, North Dakota Chamber of Commerce board and North Dakota Economic Development Foundation Board.

Knutson and Nisbet will join board members NDSU President Dean Bresciani; Edna Szymanski, MSUM president; William Craft, Concordia College president; Pamela Astrup; Paul Marquart; and Dennis Millirons.

Knutson will complete the term vacated by Kevin McKinnon, previous Greater Fargo-Moorhead Economic Development Corp. president who served one year, and Nisbet will begin a new term for a citizen member seat vacated by the death of founding board member Douglas Sillers.

## Burich named to Academic All-America basketball team

NDSU center Janae Burich was named to the Capital One Academic All-America women's basketball third team by vote of members of the College Sports Information Directors of America. The selection was announced Feb. 23.

Burich becomes the first NDSU women's basketball player to earn Academic All-America honors since 2005. A junior from Roseville, Minn., Burich maintains a 4.0 grade-point average majoring in marketing with a minor in psychology.

## EVENTS

## UGPTI director candidates interview process begins

The on-campus interview process has begun for the position of director of the Upper Great Plains Transportation Institute. Denver Tolliver was interviewed Feb. 28, and Mark Berndt's interview is set for Thursday, March 1.

Public seminar presentations are part of the process. Berndt's presentation is scheduled for March 1 at 1:45 p.m. to 2:45 p.m. in the atrium of the NDSU Alumni Center. It is open to students, faculty and staff and will be followed immediately by a meet and greet.

The presentations, titled "Moving UGPTI Forward," were to address the question: How would you position the Upper Great Plains Transportation Institute to successfully contribute to future research and knowledge transfer under policies and programs currently being discussed for the next surface transportation bill? The candidates were to describe how their experiences have prepared them for the effort.

Tolliver is the associate director of the UGPTI, a position he has held since 2003. He has been with the institute since 1980 serving as a research associate, director of the Mountain-Plains Consortium and director of the NDSU Transportation and Logistics Program. Before joining NDSU, he was a rail planner with the North Dakota Department of Transportation. Tolliver earned his bachelor's degree in geography from Morehead State University in Morehead, Ky. He also earned a master of urban and regional planning and a doctorate in environmental design and planning from Virginia Polytechnic Institute and State University. Tolliver has consulted for several state departments of transportation, American Crystal Sugar, Border States Electric, Northern Plains Railroad, Canadian Grains Council and other agencies. During his time at NDSU, Tolliver has been awarded nearly \$28 million in grant funds.

Berndt is the discipline leader for freight planning services at CDM Smith, a consulting, engineering, construction and operations firm in the Twin Cities. He began working as a consultant in 2001 following a 20-year career with the state of Minnesota. He worked for 15 years with the Minnesota Department of Transportation in a variety of professional and management positions. He began as a data analyst, served as the rate and tariff enforcement supervisor, and led business planning, program audits and developed performance-based enforcement programs. He also was freight planning director in the office of freight railroads and waterways. He was recognized nine times with the department's outstanding achievement award. Before joining the Minnesota Department of Transportation he was a policy analyst for the Minnesota Commission on Health Plan Regulatory Reform and an economic analyst with the Minnesota Department of Energy and Economic development. Berndt earned bachelor's degrees in finance and economics and a Master of Business Administration, all from the University of St. Thomas in St. Paul, Minn.

## Women's Week events continue through March 2

The 30th annual Women's Week at NDSU continues through March 2 to highlight issues unique to women and to celebrate contributions women have made. This year's theme is "Run the World."

The week has a diverse slate of events that covers careers, athletics, film, music, cultural differences and sexual orientation. "There is room for everyone in Women's Week," said Regina Ranney, diversity program coordinator. "Anyone can connect with something."

The campus tradition is coordinated by a committee of volunteers and co-chaired by Erienne Fawcett from the Department of Women and Gender Studies and Ranney.

For more information, visit [www.ndsu.edu/news/banner\\_stories/womensweek2012](http://www.ndsu.edu/news/banner_stories/womensweek2012). All events are free and open to the public.

## Colleges sponsor research methods lecture

The dean's office in the College of Graduate and Interdisciplinary Studies, dean's office of the College of Arts, Humanities and Social Sciences, Department of Sociology and Anthropology, Department of Criminal Justice and Political Science and Department of Communication are sponsoring the lecture, "Ties that Bind: Research Methods in Social Behavioral Sciences," set for Friday, March 2, in the Memorial Union.

The first session will begin at 9 a.m. and second session at 11 a.m., each with four groups of presentations, followed by lunch. Lunch is organized around informal discussions of research methods with faculty members on hand to answer questions about specific methods. Following the informal discussion, there will be a keynote presentation by journal editors and editorial board members who will discuss tips and answer questions about how to publish your work.

All NDSU graduate students and faculty are welcome to attend the morning sessions, lunch discussions and editors' panel. To attend lunch, registration was necessary by Feb. 27.

## F/M Communiversity schedules public sessions on foreign policy

F/M Communiversity is scheduled to host public sessions titled "Great Decisions: Foreign Policy Discussions" on Saturdays in March from 1:30 p.m. to 3:30 p.m. at Riverview Place, 5300 12th St. S. in Fargo.

Great Decisions is a program of the Foreign Policy Association. Event organizers say it is America's largest discussion program on world affairs, with groups meeting throughout the country. Each discussion will begin with a 30-minute video, produced by the Foreign Policy Association in collaboration with Public Broadcasting Service. The videos will provide an analysis and opinion from foreign policy experts and thinkers on critical global issues facing America in

the year ahead. With the help of local facilitators, participants can share ideas and learn other perspectives.

The sessions are:

- March 3 – Energy Geopolitics, facilitated by Dennis Staton
- March 10 – Mexico, facilitated by Karen Nitzkorski
- March 17 – Middle East Realignment, facilitated by Ron Hagemann
- March 24 – The State of the Oceans, facilitated by Chelle Lyons Hanson

People of all ages and educational backgrounds are invited to attend. There is no charge for the sessions because of the support of a grant from the North Dakota Humanities Council, an affiliate of the National Endowment for the Humanities.

F/M Communiversity is a program of Concordia College in cooperation with NDSU and Minnesota State University Moorhead. A “university of the community,” it provides a variety of interesting and engaging courses with no tests, grades or papers for people of all ages and educational backgrounds.

For more information on registering for this or other sessions offered by F/M Communiversity or to receive a brochure, call 218-299-3438, email [communiversity@cord.edu](mailto:communiversity@cord.edu) or go to [www.fmcommuniversity.org](http://www.fmcommuniversity.org). Course brochures also are available at the free speech literature rack in the NDSU Memorial Union.

## Clean Energy Technologies Conference scheduled at NDSU

A one-day “North Dakota Energy Symposium: Using Technology to Enhance Clean Energy Production,” hosted by U.S. Sen. John Hoeven, is scheduled for Monday, March 5, in the Memorial Union at NDSU. The event will feature leaders in industry, science, technology, government and academia. The program is part of a series to address “A National Roadmap on Advancing Clean Energy Technologies.” The session is sponsored by The Howard Baker Forum, Lawrence Livermore National Laboratory and NDSU.

Experts from the national laboratories, public sector and private industry will discuss opportunities and constraints in current methods of energy production and processing and how high performance computing can enhance those methods.

Conference organizers said capabilities of NDSU’s Center for Computationally-Assisted Science and Technology and high performance computing capabilities of national laboratories could play integral roles in helping energy leaders use computer modeling and simulation to maximize energy production and processing.

Symposium topics will range from oil and gas production to wind energy and transmission issues. Sessions include: Computing in the Bakken, Improving Access to and Maximizing Output from Existing Fossil Fuel Resources Through Modeling and Simulation; Powering the Plains Through High Performance Computing – Making Alternative Energy Mainstream; and Putting the Smart into Smart Grid. Invited speakers include representatives from Lawrence Livermore National Laboratory, Whiting Petroleum, QEP Resources, Xcel Energy, Siemens Energy, North Dakota

Department of Mineral Resources, LM Wind Power Blades, Midwest Independent Transmission System Operator, NDSU and the University of North Dakota.

Moderators of the expert panel discussions include NDSU faculty Kalpana Katti, Distinguished Professor of Civil Engineering; Alan Kallmeyer, chair of mechanical engineering; and Kendall Nygard, professor of computer science.

Conference organizers said computational technologies hold the promise to increase production of oil and gas fields, better predict wind farm production and address challenges related to planning and building transmission systems to move energy to market. The symposium will help identify near-term opportunities in government and industry to help create a blueprint for energy planning at the state and federal levels.

For more information and to register, go to [www.regonline.com/northdakotaenergytechnologysymposium](http://www.regonline.com/northdakotaenergytechnologysymposium) or contact [evandevoorde@bakerdonelson.com](mailto:evandevoorde@bakerdonelson.com).

## High tunnel gardener workshop set for March 6

The NDSU Extension Service in Cass County and University of Minnesota Extension in Clay County are sponsoring a high tunnel workshop for home gardeners and commercial growers on March 6.

Registration begins at 8:30 a.m. at the Clay County Family Service Center at 715 11th St. N. in Moorhead, Minn.

A high tunnel is a nonpermanent structure with no electrical service and no heating. A single layer of greenhouse plastic covers the frame and lasts two to three years. Vents are opened and the sides rolled up manually. The plants in the tunnel are protected from frost by mulch or row covers.

High tunnels are becoming popular because they allow home gardeners and commercial growers to produce an early crop and extend the end of the growing season. Also, fruits and vegetables grown in high tunnels often are of high quality.

Topics to be discussed during the workshop are:

- Basics of high tunnel production
- Pushing the profit pencil with high tunnels
- Current and upcoming crops for high tunnels
- Irrigation and fertigation
- Pick your own raspberries
- Raised beds and children
- Horticulture trials in Clay County
- Climate change and regional implications

The registration fee is \$20 if paid by March 1. After March 1, the fee is \$25. The fee includes a box lunch.

For more information or to register, contact Todd Weinmann at 701-241-5707 or Randy Nelson at 218-299-7338.

## Climate change seminar set for March 7



Akyuz

Adnan Akyuz, North Dakota state climatologist and assistant professor of climatology in NDSU's soil science department, is scheduled to host a seminar on climate change on March 7 from noon to 12:50 p.m. in Sudro Hall room 21. The seminar is free and open to the public.

Akyuz will discuss regional and global climate change and the agricultural implications to the Northern Plains.

Globally, 2011 was the 11th warmest year since records began in 1880, Akyuz said. The annual global combined land and ocean surface temperature was 0.92 degree above the long-term average of 57 degrees. This marks the 35th consecutive year (since 1976) that the annual global temperature was above the 20th century average.

The annual average temperature for the contiguous U.S. in 2011 was 53.8 degrees, which was 1 degree above the long-term average and making it the 23rd warmest year on record.

"While the annual average temperature through the contiguous U.S. has increased by 0.12 degree per decade since 1880, it has increased 0.26 degree per decade in North Dakota during the same period, which is the largest increase in the contiguous U.S.," Akyuz says.

The seminar will be interactive to encourage real-time audience participation using a student response system. The real-time response will give participants the opportunity to discuss the perceptions the public has about climate change.

## 800 café to serve Alamo-inspired meal

The 800 café will serve an Alamo-inspired meal on Tuesday, March 6, and Thursday, March 8, in room 312 of the Family Life Center. Seating will be from 11 a.m. to 12:15 p.m.

The "Remember the Alamo" meal will begin with a Mexi-ranch salad with salsa ranch dressing. The main course will include a cup of white bean chicken chili next to a pork burrito topped with a hot green chili sauce with black bean salsa made with fresh tomatoes, green bell peppers, onions, jalapenos, cilantro, fresh squeezed lime juice and a dash of salt. The meal will conclude with a fresh fruit salsa dessert, which includes kiwis, raspberries, strawberries and golden delicious apples with a couple homemade corn chips.

Dietetics juniors Becky Nolte and Joe Kallenbach will manage the meal with the assistance of their classmates.

The full three-course meal is available for \$8. Four-meal punch cards also are available for \$30. Payments can be made by cash or check. Parking is available in the visitor's lot on campus. Meals are available for take-out. Walk-ins are welcome, but reservations are encouraged due to limited seating. Reservations can be made by contacting Rhonda Klubben at [ronda.klubben@ndsu.edu](mailto:ronda.klubben@ndsu.edu) or 1-7487. The class instructor is Sherri Nordstrom Stastny, assistant professor of health, nutrition and exercise sciences.

Information regarding this meal and others can be found at [www.ndsu.edu/hnes/program\\_contact\\_information/department\\_restaurant\\_800\\_cafe](http://www.ndsu.edu/hnes/program_contact_information/department_restaurant_800_cafe). The 800 café is the culmination of curriculum in the Foodservice Management Systems I class, HNES 361L.

## NDSU to co-host equine-assisted therapies conference

NDSU's Equine Science Program is scheduled to co-host the Professional Association of Therapeutic Horsemanship International Region 6 conference in Fargo on March 9-11.

Riding on Angels' Wings of Felton, Minn., and the Serenity Therapeutic Equine Program of Minot also are co-hosts. The conference will be held at the Doublewood Inn in Fargo, with the barn track at the NDSU Equine Center.

"The fields of equine-assisted activities and therapies are growing rapidly," said Erika Berg, an assistant professor in NDSU's animal sciences department and a conference co-organizer. "This conference provides an excellent, cost-effective opportunity to network, share knowledge and disseminate information on this exciting discipline."

NDSU offers minor and certificate programs in therapeutic horsemanship through a partnership with Minnesota State University Moorhead, Riding on Angels' Wings and Professional Association of Therapeutic Horsemanship International.

The conference is open to anyone with an interest in equine-assisted therapies. Online registration ended Feb. 17, but on-site registration is available. Discounted registration is available for students. For the online link to the event or more information, contact Berg at [erika.berg@ndsu.edu](mailto:erika.berg@ndsu.edu).

## March Science Café analyzes children's language development



Conwell

Erin Conwell, assistant professor of psychology, is scheduled to present the March Science Café titled, "When getting it wrong means they're getting right: What children's errors tell us about their language skills" on Tuesday, March 13, at 7 p.m. in Stokers Basement, Hotel Donaldson.

Children learning to talk often start off fine but then suddenly begin saying things that aren't quite right, Conwell said. They "holded" the kitten, "goed" to the store and "falled" the book. Parents may think these errors are cute, or possibly cause for concern, but language development researchers take them as evidence of a very sophisticated understanding of English. When children make such errors, they are testing the limits of their language and exploring the relationship between words, rules and meaning, Conwell said.

The presentation will examine the forms these errors take, what they tell us about language development, how scientists try to trick children into making them for research purposes and why trying to correct them probably isn't going to work.

## Fargo-Moorhead Symphony class offered through Communiversity



Sung

Benjamin Sung, concertmaster for the Fargo-Moorhead Symphony and former NDSU music faculty member, is scheduled to present, "Ravel, Haydn and Bartok," March 17-18. The course, offered through the Fargo-Moorhead Communiversity, will review selected works of the composers, all of whom will be featured in the concerts. Sung taught at NDSU and MSUM from 2007 to 2011

and is currently a music faculty member at Florida State University in Tallahassee, Fla.

The course will be held at Touchmark at Harwood Groves (formerly Waterford), 1200 Harwood Drive, Fargo, for a \$12 fee.

For more information, contact the Fargo-Moorhead Communiversity at 218-299-3438 or [communiversity@cord.edu](mailto:communiversity@cord.edu), or visit [www.fmcommuniversity.org](http://www.fmcommuniversity.org). Course brochures are available at the Free Speech Literature rack in the Memorial Union.

## Assistant director of fine arts to help lead jazz improv class



Law

Bill Law, assistant director of the Division of Fine Arts, and Allen Carter, David Ferreira and Russ Peterson will offer an F/M Communiversity course titled "Jazz Improvisation 201" on Tuesday, March 20, from 6:30 p.m. to 9 p.m. at the Speak Easy Restaurant in Moorhead, Minn.

The quartet will discuss jazz improv, perform and try to answer the question of why piano players call everyone a "cool cat." The evening includes a meal and wine.

The cost is \$45 per person. Pre-registration is required as seating is limited. To register, call F/M Communiversity at 218-299-3438.

F/M Communiversity course brochures are available in the Free Speech Literature rack in the NDSU Memorial Union. For more information, go to [www.fmcommuniversity.org](http://www.fmcommuniversity.org).

F/M Communiversity is the "university of the community" for lifelong learning and is a program of Concordia College in cooperation with NDSU and Minnesota State University Moorhead.

## 20th annual Aldrich C. Bloomquist Lecture set

Gregory McKee, director of the Quentin Burdick Center for Cooperatives, will host the 2012 Aldrich C. Bloomquist Lecture scheduled for Wednesday, March 21.

David J. Thompson of Thompson Consulting and the co-principal of Neighborhood Partners LLC, of Davis, Calif., will give the presentation. Thompson has worked with cooperative organizations in the United States, Britain, Japan and the United Nations, and has visited cooperatives in more than 30 nations on five continents.

Thompson specializes in funding the capital needs of the cooperative business sector and low-income nonprofit and cooperative housing. He also has won numerous awards from the cooperative community.

The event will be held at noon in the Executive and Board Room of the Holiday Inn in Fargo, with a lunch served at no charge. RSVP to [gregory.mckee@ndsu.edu](mailto:gregory.mckee@ndsu.edu) no later than March 15.

## English Graduate Organization to host English studies conference

Members of the NDSU English Graduate Organization will host this year's Red River Graduate Student Conference, "Interdisciplinary English Studies," scheduled for Friday, March 23, and Saturday, March 24, in the Memorial Union. The conference will consider issues of interdisciplinary scholarship grounded in literature, rhetoric, linguistics, and writing, cultural and communication studies. Other topics related to language, writing and culture will be discussed, including English as a second language, computers and writing, genre studies and new media.

The conference originally began as an opportunity for NDSU English graduate students to organize a professional conference where they could present their research. Since the conference was initiated nine years ago, the range of participants has expanded to include those from throughout the region and to the East Coast. Each year, the number of participating schools has increased.

There is a registration fee of \$20 for conference participation that covers conference materials and Saturday's lunch.

More information can be found at <http://english.ndsu.edu/rrgsc>. Other questions related to lodging or transportation can be directed to [ndsu.rrgsc@ndsu.edu](mailto:ndsu.rrgsc@ndsu.edu).

## Human development and family science department hosts lectures

The human development and family science department at NDSU is scheduled to host two dynamic lecture presentations. The first presentation, "Q & A with an expert: How does violence affect our children?" is set for Thursday, March 22, from 11 a.m. to noon in the Memorial Union Peace Garden room. The second presentation, "Violence and Mental Health in Everyday Life," is part of the annual Gertrude Weigum Hinsz Lecture Series and will be held Friday, March 23, at 3 p.m. in the Memorial Union Century Theater, with a reception with snacks and beverages to follow in the Memorial Union Art Gallery.

Both presentations will be led by Dan Flanner, professor and director of the Center for Violence Prevention Research and Education at Case Western Reserve University. Flannery is author of "Violence and mental health in everyday life: Prevention and intervention for children and adolescents" and has served as adviser for the U.S. Departments of Justice and Education, Centers for Disease Control and Prevention, National Crime Prevention Council and National Resource Center for Safe Schools.



In the Thursday lecture, Flannery will discuss how the exposure of violent images and aggressive behaviors become more prevalent in the media, video games and schools, and how this violence impacts children. The session is specifically targeted at parents at NDSU and in the surrounding community as an opportunity for them to ask questions in a casual setting.

In the Friday presentation, Flannery will discuss violence exposures as a witness and a victim, as well as its relationship to mental health and behaviors, illustrated through a variety of studies conducted with youth and families, law enforcement agencies, treatment providers and juvenile and adult offenders.

Continuing education credits are available for the Friday presentation. If you have questions, contact Beth Salafia or Heather Fuller-Iglesias at [elizabeth.salafia@ndsu.edu](mailto:elizabeth.salafia@ndsu.edu), [heather.fuller-iglesias@ndsu.edu](mailto:heather.fuller-iglesias@ndsu.edu) or 1-8268.

## PUBLICATIONS/PRESENTATIONS

### Faculty members invited to present research at Kenyatta University



*Andrew Mara, associate professor of English, (back row, waving) with one of the groups he and Miriam Mara met with at Kenyatta University.*

Miriam Mara, associate professor of English, and Andrew Mara, associate professor of English, were invited to present their research at Kenyatta University in Nairobi, Kenya.

During the visit, they met with groups and with individuals to discuss research and possible future collaborations between Kenyatta University and NDSU, and they presented the seminar "Globalism, Transnationalism and Translation Problems." They shared research applying Arjun Appadurai's globalism theory in health care and hospitality settings, and bridged it to some of the unique challenges of African translators. They discussed the special pressures and misunderstandings that globalism can bring in translating technical documents for complex local cultures.

In addition to presenting the seminar, they have established possible future collaboration between Kenyatta University's Master of Arts translation program and NDSU's upper-division writing programs. There also has been discussion of a possible faculty exchange in future years. The seminar extends outreach that NDSU's department of English is actively pursuing with universities in France, Italy and Denmark.

### Assistant professor publishes research, participates on panel

Donna Grandbois, assistant professor of nursing, and Gregory Sanders, associate dean for the College of Human Development and Education, had their manuscript, "Resilience and stereotyping: The experience of Native American Elders," accepted for publication in the *Journal of Transcultural Nursing*. It is expected to appear in the October 2012 issue, and will likely be available online sooner.

Grandbois also has been invited to be part of the *Journal of Transcultural Nursing's* Panel of Peer Reviewers. She was recommended as an expert qualitative reviewer by senior editor Joyceen Boyle, co-author of the textbook, "Transcultural Concepts in Nursing Care."

Additionally, Grandbois and Bonnie Selzler, from the College of Nursing at the University of North Dakota, had their paper, "Best Practices for Psychological Support of Communities After a Disaster," published in the *International Journal of Safety and Security Engineering: Disaster Management and Human Health Risk II*.

### Animal sciences assistant professor publishes paper



*Maddock Carlin*

Kasey Maddock Carlin, assistant professor in animal sciences, had her paper, "Meat science and muscle biology symposium: Extracellular matrix in skeletal muscle development and meat quality," recently published in the *Journal of Animal Science*. In her article, Carlin identifies cells relating to muscle growth and how it relates to the meat production industry. She also discusses the importance of quality and quantity of meat production in accordance with consumers. Articles published in *Journal of Animal Science* encompass a broad range of research topics in animal production and fundamental aspects of genetics, nutrition, physiology, and preparation and utilization of animal products. It is considered the premier journal for animal science and serves as a leading source of new knowledge and perspective in the Midwest.

### Assistant professor presents at international conference



*Wu*

Erxi Wu, assistant professor of pharmaceutical sciences, was invited to give a talk at the first annual meeting of the Society for Combined Therapy – East Meets West held Feb. 4 in Boston.

Wu's talk, "Cancer Therapeutics: Current Status," focused on current research advances for cancer treatments and targeted therapy.

"I am happy to give a talk in this society and know more cancer research questions and treatment challenges from its members and audience. We will work closely with physicians and patients to conquer cancer using combined therapies," Wu said.

The Society for Combined Therapy-East Meets West is an international non-profit organization for professional and cancer patients, as well as better cancer treatment advocates. It is registered and headquartered in Boston. It calls for change in cancer care, hopeful better and cost effective cancer treatment using combined Western medicine and Eastern medicine. Wu was named vice president for the society in 2011.

## Human development and education faculty publish, present

James Korcuska, associate professor in the School of Education, presented "Working with Kids Prescribed Psychiatric Medications: Resources for School Counselors" to approximately 50 Fargo public school counselors and other service providers during their In Service day at Fargo North High School on Jan. 16. Korcuska, along with co-leader David Hulac and team member Irene Harper,

both from the University of South Dakota, presented the results from their 18-month, multi-site treatment program evaluation for the South Dakota Federal Pretrial Probation Services in Sioux Falls, S.D., on Jan. 4, 2011.

Yeong Rhee, associate professor in health, nutrition and exercise sciences, was selected to participate in the Higher Education Resources Services Institute for summer 2012. The institute prepares women faculty and administrators for institutional leadership roles. A diverse group of approximately 70 women is selected for the institute.

Chris Ray, assistant professor in the School of Education, was selected as a research faculty member for the Carnegie Project on the Education Doctorate. Valerie Anderson, graduate of the education doctoral program, will be a research fellow. Ray and Anderson will serve as the Carnegie Project on the Education Doctorate Fund for the Improvement of Post-Secondary Education Research Team.

## SHORTS AND REMINDERS

### Positions available

*Positions open and screening dates through the Office of Human Resources, SGC, 1919 N. University Drive. Position openings also are available through the NDSU website at [www.ndsu.edu/jobs](http://www.ndsu.edu/jobs).*

### Custodian/#00028178

Residence Life  
\$19,760+/year  
Open until filled

### Custodian (three positions – 4 a.m. and 5 a.m. start times)

Facilities Management  
\$19,760+/year  
Open until filled

### Nutrition Education Assistant, FNP – Sioux County

Extension Food and Nutrition  
\$25,900+/year  
Open until filled

### Nutrition Education Assistant, FNP – Fort Berthold

Extension Food and Nutrition  
\$25,900+/year  
Open until filled

### Teacher Technician/#00018736

Human Development and Family Science  
\$24,000+/year  
Open until filled

### HPC Systems Administrator

Center for Computationally Assisted Science and Technology  
Commensurate w/experience  
Open until filled

### Technical Director/#00021434

Northern Crops Institute  
Commensurate w/experience  
Feb. 29

### Veterinary Technician/Veterinary Technologist

Animal Science  
\$28,000+/year  
Open until filled

### Research Specialist-Agronomy/#00019691

Carrington Research Extension Center  
Commensurate w/experience  
Feb. 29

### Technical Communications Specialist

Agricultural and Biosystems Engineering  
\$35,000+/year  
March 6

### Food Technologist/#00020296

School of Food Systems  
\$44,000+/year  
March 12

### Research Specialist – Soil Science

Carrington Research Extension Center  
Commensurate w/experience  
March 16

## CALENDAR

## FEBRUARY

**29 Women's Week:** "Letting Yourself Be U(n)ique," noon, Memorial Union Hidatsa room. The effect media and society play in our self-image will be examined during Eating Disorder Awareness Week.

**29 Women's Week:** Performing pioneer: A Japanese woman's experience in a historically all-male profession, Ms. Shoko Tokuro Miyake, 3 p.m., Askanase Auditorium

**29 Women's Week:** Movie, "The Help," 7 p.m., Memorial Union Century Theater (drop-off site for Dress for Success donations)

## MARCH

**1-2 Dress for Success:** Women's Professional Clothing Drive, donations of new and gently used career attire accepted at the Volunteer Network Office in the Memorial Union, Barry Hall Bookstore, Klai Hall and Renaissance Hall

**1-31 Memorial Union Gallery exhibit:** "No Lumps, Thank You; a Bra Anthology," artist Meg Spielman Peldo exhibits a collection of playful brassieres created from a wide variety of common objects.

**1 Safe Zone Level 1 training:** Becoming an Ally, 11 a.m., Memorial Union Room of Nations, RSVPs not required.

**1 Women's Week:** "Let's Talk About Sex: Contradicting Attitudes about Sex, Sexuality and Women's Health," 12:30 p.m., Memorial Union Hidatsa room

**1 Women's Week:** "Envisioning a World Without Violence: Dream, Plan, Act," 3:30 p.m., Memorial Union Hidatsa room. An interactive, art-infused discussion will focus on what the world would look like without sexual and relationship violence and what steps we can take today to move closer to that vision.

**1 Department of Chemistry and Biochemistry Seminar:** "Molecular Modeling at Frontiers of Environmental Science," Olexandr Isayev, 4 p.m., Ladd room 107

**2 Women's Week:** A Woman of Considerable Influence – Dressing the Part, Kate Selby Wilder – A North Dakota Suffragist and Political Activist, noon, Memorial Union Hidatsa room

**2 Plant Pathology Graduate Seminar:** "Impact of the Soybean Cyst Nematode on Sugarbeet and Sugarbeet Seedling Diseases Within the Red River Valley," Kurt Rudolph, 1 p.m., Loftsgard room 114

**5 Department of Plant Sciences Graduate Seminar:** "Benefits of Incorporating Biochar into an Agricultural System," Angela Kazmierczak, 3:30 p.m., Loftsgard Hall room 114

**5 Department of Plant Sciences Graduate Seminar:** "Controlling Bacterial Spot of Tomato: Keeping the 'T' in Your BLT," Wesam AbuHammad, 4 p.m., Loftsgard Hall room 114

**6 Breastfeeding/pumping support group meeting:** 11:30 a.m. to 12:30 p.m., Equity and Diversity Center. Direct questions to Laura Oster-Aaland at 1-7750, Kara Gravley-Stack at 1-7091 or Betsy Birmingham at 1-6587.

**6 Science, Religion and Lunch Seminar:** "Energy and Our Future: What Are the Issues, How Big Are They and What Are Our Options?" Kent Rogers, noon, Civil and Industrial Engineering building room 101

**7 Brown Bag:** "Using Effective Communication Strategies to Reduce Conflict at Work: Part 2," noon to 1 p.m., Memorial Union Arikara room

**7-9 Vagina Monologues:** 7:30 p.m., Askanase Auditorium. Tickets available in the Memorial Union until March 2 or by emailing [vdayndsu@gmail.com](mailto:vdayndsu@gmail.com). All proceeds will be donated to the Rape and Abuse Crisis Center, North Dakota Coalition on Abused Women Services, Minnkota Health Project and Women and Girls of Haiti.

**8 Safe Zone Level 2 Training:** Gender Identity/Expression, 11 a.m., Memorial Union Room of Nations, RSVPs not required

**9 Surplus sale**

**9 "Healing With Horses: One Woman's Journey to Iraq and Back:"** noon, Memorial Union Prairie Rose room. Kay Mitzner and Susie Bjorklund, Freedom Farm Therapeutic Riding Center

**9 Plant Pathology Graduate Seminar:** "Identification and genomic analysis of Stagnospora nodorum blotch susceptibility genes in wheat," Gongjun Shi, 1 p.m., Loftsgard room 114

**9 Plant Pathology Graduate Seminar:** "Evaluation of *Hordeum vulgare* responses to *Puccinia graminis* f. sp. *tritici* via quantitative real time polymerase chain reaction," Jason Zurn, 1 p.m., Loftsgard room 114

**19 Finding Careers Outside of Academia:** 3 p.m. to 5:30 pm., Memorial Union Century Theater

**19 Department of Plant Sciences Graduate Seminar:** "Edible Vaccines: Using Plants as Bioreactors," Samira Moghaddam, 3:30 p.m., Loftsgard Hall room 114

**19 Department of Plant Sciences Graduate Seminar:** "From Tree to Lunchbox: Pre-harvest Practices to Improve the End Quality of Apple," Megan Zadach, 4 p.m., Loftsgard Hall room 114

MORE CAMPUS EVENTS [www.ndsu.edu/eventcalendar](http://www.ndsu.edu/eventcalendar)

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**NDSU**