

NDSU

VOLUME 4 ISSUE 1

IT'S HAPPENING AT STATE

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Bison win national football title

The NDSU Bison football team is the top squad in the NCAA Football Championship Subdivision. The Bison defeated Sam Houston State University by a score of 17-6 in the championship game played Jan. 7 in Frisco, Texas.

"It was a great game, and two really good football teams out on the field. I want to congratulate Sam Houston State. They had a phenomenal year," said head coach Craig Bohl after the game. "I want to say thanks to our players and also to our athletic director who took a chance on me nine years ago. So, Gene Taylor, I want to say thanks and I appreciate the support of the administration."

NDSU linebacker Travis Beck was named Most Outstanding Player of the 2011 championship after returning an interception 63 yards and making seven total tackles.

"We've been playing really well as a defense throughout the playoffs. And to come and hold a team like Sam Houston to six points, it's a pretty big deal," said senior linebacker Chad Willson. "So, I think it is probably the best game of defense we've played this year."

The contest was NDSU's first title game since moving to Division I in 2004. In a game witnessed by 20,586 fans, NDSU became the



NDSU players hoist the championship trophy during the post-game celebration.

Photo by Matt Strasen.

21st different team to win an NCAA Division I National Championship since subdivision play began in 1978. The Bison end the season with a 14-1 record.

Senior running back D.J. McNorton added, "I'm speechless right now. We worked so hard for this."

NDSU gained its first national football title in Division I after capturing Division II championships in football (eight),

women's basketball (five) and wrestling (four), and one each in men's cross country, softball and women's indoor track and field.

NDSU announces new presidential team academic awards

NDSU has created two presidential awards to recognize athletic teams that excel academically.

The Presidential Academic Team Award is for the highest team grade-point average, while the Presidential Most Improved Academic Team Award is for the most improved team GPA for the calendar year. The first teams to earn these honors will be announced in spring 2012.

"NDSU has achieved athletic success and national visibility, and we have done that without losing our focus on the student aspect of athletics," said NDSU President Dean L. Bresciani. "Entire teams, not just individuals, are achieving academic excellence. The new

awards recognize the commitment it takes to win in the classroom and in athletic competitions."

More than half of NDSU student athletes have a 3.0 GPA or higher and 15 have 4.0 GPAs. "I have worked with four Division I athletic programs, three of which were some of the largest and most renowned in the nation," Bresciani said. "I assure you that our student athletes' academic statistics are truly fantastic. Our student athletes are among the most successful in the NCAA."

Teams that win the new academic awards will be invited to a dinner at the president's house and have their team's name engraved on a plaque maintained by the university.

NDSU 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.

Deadline set for Jan. 31 It's Happening at State

The next electronic issue of It's Happening at State will be posted Jan. 31 at www.ndsu.edu/ihas. Submissions for that issue are due at noon on Jan. 26.

Memorial Union Gallery features architecture displays

Architecture students currently have two exhibits displayed in the NDSU Memorial Union Gallery. "Creating ESONIA" is an ecological and tectonic reinterpretation of Usonian housing developed by Frank Lloyd Wright from 1939 to 1950. "Brise Soleil: Architecture and Sun" is a design-build-demonstrate project in which sun shading devices are explored for both beauty and function. Both exhibits will be on display until Jan. 21.

Arts, Humanities and Social Sciences names associate deans



Birmingham

Elizabeth Birmingham and Ann Burnett were named associate deans for the College of Arts, Humanities and Social Sciences at NDSU effective Jan 9. Birmingham is an associate professor of English, and Burnett is a professor of communication and director of the Women and Gender Studies Program at NDSU.



Burnett

As associate deans, Birmingham and Burnett are responsible for promoting grant-funded research, supporting faculty professional development and mentoring, and fostering an environment of diversity, equity and inclusivity. They also will lead efforts to strengthen the college's honors program, enhance general education offerings and recruit and retain talented students.

"Dr. Burnett and Dr. Birmingham were selected as associate deans because they are highly talented and respected scholars, teachers and professional citizens who can serve as models of excellence for our college," said Kent Sandstrom, dean of the College of Arts, Humanities and Social Sciences. "They both bring strong skills in communication, problem solving and leadership to their new positions. They also have significant interest and experience in mentoring faculty and students. I am pleased that they are willing to serve as administrative leaders for our college, and I look forward to working closely with them."

Birmingham earned bachelor's degrees in English and art history from Dominican University, formerly Rosary College, of River Forest, Ill. She earned a master's degree in English and a doctorate in rhetoric and professional communication from Iowa State University, Ames, Iowa. Before beginning graduate studies, she was a Fulbright Fellow in architectural history at Australian National University, Canberra. Birmingham joined the English department at NDSU in January 2001 as assistant professor. In August 2007, she was promoted to associate professor.

Burnett earned a bachelor's degree in economics from The Colorado College, Colorado Springs, a master's degree in communication from the University of Northern Colorado, Greeley, and a doctorate in communication from the University of Utah, Salt Lake City. Before joining NDSU's communication department in 1997, she was an assistant professor at Vanderbilt University, Nashville, Tenn., and associate professor at the University of Nebraska, Lincoln. Burnett was named director of Women and Gender Studies in 2002 and promoted to professor in 2010.

College names interim associate dean



Sheridan

Mark Sheridan has been named interim associate dean of NDSU's College of Graduate and Interdisciplinary Studies.

Sheridan will be responsible for providing leadership for the College of Graduate and Interdisciplinary Studies in identifying and securing funding for graduate students, research programs and other support services for graduate students and faculty; leading the college's curriculum committee; and serving on the University Academic Affairs Committee. In addition to his new position, Sheridan will continue his faculty role as a James A. Meier and Jordan A. Engberg Professor in the Department of Biological Sciences and director of the cellular and molecular biology program at NDSU.

Sheridan previously served as director of the Regulatory Biosciences Cluster at NDSU from 1991 to 2000 and director of the North Dakota Experimental Program to Stimulate Competitive Research from 2000 to 2003.

Sheridan's laboratory conducts research on the regulation of growth, development and metabolism of animals. He has received more than \$26 million in grants for direct research support and research infrastructure enhancement from several funding agencies, including National Institutes of Health, the National Science Foundation and U.S. Department of Agriculture. He has published three books, six book chapters, 126 peer-reviewed journal articles and holds one patent.

Sheridan has received several awards for his teaching and research, including the NDSU Faculty Lectureship, and was a fellow of both the Japan Society for the Promotion of Science and the Programa de Intercâmbio Internacional em Pesquisa e Pós-Graduação, Brazil.

Sheridan has been a visiting professor at more than 12 universities around the world, including institutions in Brazil, Hong Kong, Japan, Sweden and Taiwan. He is active in several professional organizations and is chair of the Division of Comparative Endocrinology for the Society of Comparative and Integrative Biology and a member of the executive committees for the International Federation of Societies for Comparative Endocrinology and the North American Society for Comparative Endocrinology. He also serves as an editor or associate editor for four scientific journals: Comparative Biochemistry and Physiology, Frontiers in Endocrinology, General and Comparative Endocrinology and International Journal of Endocrinology.

A native of California, Sheridan earned a bachelor's degree in zoology and master's degree in biology from Humboldt State University, Arcata, Calif., and his doctorate in zoology from the University of California-Berkeley. He did postdoctoral research at the University of Washington, and joined the faculty at NDSU as an assistant professor in 1985.

Germans from Russia Heritage Collection receives national awards



Michael M. Miller, director and bibliographer, and Acacia (Jonas) Stuckle, special collections associate, hold awards from the American Association of State and Local History.

The NDSU Libraries' Germans from Russia Heritage Collection received the Award of Merit and the WOW Award by the American Association of State and Local History. The awards were presented at the National Convention in Richmond, Va., this fall. A longtime partner, the State Historical Society of North Dakota nominated the collection.

According to the American Association of State and Local History, the WOW Award is given to an Award of Merit winner that is "highly inspirational, exhibits exceptional scholarship and/or is exceedingly entrepreneurial in terms of funding, partnerships or collaborations, creative problem solving, or unusual project design and inclusiveness." Only three WOW Awards were given this year.

"The association's Annual Awards Program, now in its 66th year, is the most prestigious recognition for achievement in the preservation and interpretation of state and local history," said Erik Holland, the North Dakota state team leader for the American Association of State and Local History.

Merl Paaverud, director of the State Historical Society of North Dakota, wrote in his nomination letter, "The work of Michael M. Miller and Acacia (Jonas) Stuckle at North Dakota State University Libraries' Germans from Russia Heritage Collection has received much deserved national recognition. The work of the GRHC has been instrumental in preserving and presenting the German-Russian heritage and culture for generations to come. The preservation projects have been extensive and impressive from translating and publishing books, producing documentaries, developing collections, producing exhibits, offering tours to the homeland and regionally, and offering outreach programs via the Web. The American Association of State and Local History's national awards, especially the WOW Award, acknowledged the quality and depth of their work. The GRHC has for decades and will continue on to give North Dakota a national presence in the field of history."

The NDSU Libraries' Germans from Russia Heritage Collection was cited for its exceptional work in preserving and sharing the culture of Germans from Russia on the Northern Plains. Its founding director and bibliographer is Michael Miller, who has been a librarian and faculty member at NDSU since 1967. "Since

its inception in 1978, this specialized archive has become one of the most comprehensive collections of German-Russian resources in the world," Miller said. As a North Dakota and German-Russian ambassador, Miller conducts annual Journey to the Homeland heritage tours to Ukraine and Germany. He started these tours in 1996 and they continue today, keeping Americans connected to their German-Russian heritage. In addition, Miller's Dakota Memories initiative includes the Oral History Project and Heritage Tour. Through the Oral History Project, comprehensive research collections have been created, with residencies in communities from South Dakota to Saskatchewan. The Heritage Tour is an outreach and educational program promoting heritage tourism in North Dakota.

NDSU is student focused and committed to its land-grant mission. For more information about the NDSU Libraries' Germans from Russia Collection, visit <http://library.ndsu.edu/grhc>.

FORWARD announces course release awards

Eight NDSU faculty women have been awarded NDSU FORWARD course releases for the 2012-13 academic year. Seven recipients will have course releases for fall 2012, including Erica Berg, animal science; Kathryn Gordon, psychology; Juan Li, computer science; Brandy Randall, human development and family science; Joy Sather-Wagstaff, sociology/anthropology; Sangita Sinha, chemistry/biochemistry; and Annie Tangpong, mechanical engineering. Erin Gillam and Katie Reindl, both of biological sciences, will have a course release for spring 2013.

The National Science Foundation Advance grant provides support for annual course releases during the project's five-year duration. Priority for course release awards is given to assistant professors who have completed their third-year review and associate professors within two years of promotion to full professor. Future application opportunities will be announced in It's Happening at State and on the FORWARD webpage at www.ndsu.edu/forward.

Five FORWARD grant programs have application deadlines during the spring 2012 semester. They include:

- **Mentor travel grants** due Jan.13
- **Leadership development grants** due Feb. 10
- **Climate and gender equity research grants** due March 30
- **Leap lab renovation grant program** due April 27
- **Leap research grant program** due April 27

In addition, applications for the **Mid-career Mentoring Program** applications will be accepted on an ongoing basis. Specific application information for each grant program is available at www.ndsu.edu/forward/funding_opportunities. Questions about the funding opportunities through the Advance FORWARD project can be directed to Canan Bilen-Green at 1-7040 or canan.bilen.green@ndsu.edu.

Head of biological sciences department named



Reed

Wendy Reed, associate professor, was named head of the biological sciences department, effective Jan. 1.

As department head, Reed is responsible for overseeing budgets and resource allocation; handling hiring, annual reviews and other personnel tasks; collaborating with department members to establish goals and communicating with the university and the community on behalf of the department.

“After discussing the position with members of the biological sciences department, it was clear to me that everyone recognized Dr. Reed’s administrative potential,” said Kevin McCaul, dean of the College of Science and Mathematics. “Together with her recent experiences as assistant and then associate dean of the college, I think she is superbly prepared to take on this role.”

Reed succeeds William Bleier, who served in the role for more than 17 years. Bleier returned to the position of full-time professor in the department. “Dr. Bleier is well known across campus, in the community and in the state,” McCaul said. “We owe him a great deal for his outstanding service as department head.”

Reed earned her bachelor’s degree in biology from Kalamazoo College, Kalamazoo, Mich., and her doctorate in ecology and evolutionary biology from Iowa State University, Ames, Iowa. She joined NDSU as assistant professor in the biological sciences department in 2002. She was promoted to associate professor and named assistant dean for the College of Science and Mathematics in 2009. She was named associate dean of the college in 2010.

NDSU names interim Extension Service director



Boerboom

Chris Boerboom has been appointed interim director of the NDSU Extension Service. Ken Grafton, NDSU vice president for Agriculture and University Extension, director of the North Dakota Agricultural Experiment Station and dean of the College of Agriculture, Food Systems, and Natural Resources, made the announcement.

“Dr. Boerboom is highly qualified and is very knowledgeable of the NDSU Extension Service activities that need to be carried out in the near future,” Grafton said. “I am certain Chris will do a great job as interim Extension Service director while we continue to search for a permanent director.”

Boerboom’s appointment began Jan. 1. He replaces Duane Hauck, who retired after 35 1/2 years with the NDSU Extension Service.

Boerboom had been serving as an NDSU Extension Service assistant director for agriculture and natural resources and district director for five southeastern counties. He earned a bachelor’s degree in agronomy and agricultural economics in 1984, his master’s degree in agronomy in 1987 and doctorate in agronomy in 1989, all from the University of Minnesota. Previous to coming to the NDSU Extension Service, Boerboom was an Extension weed specialist in the agronomy department at the University of Wisconsin in Madison.

Student Technology Fee funds campus projects

Five projects were awarded student technology fee funds this fall by Bonnie Neas, acting at the recommendation of the Technology Fee Advisory Committee. NDSU’s student technology fee funds a broad range of projects designed to improve information technology capabilities and services available for students, faculty and staff.

Projects awarded funds in fall 2011 include:

- “Meteorological Daily Observation Form Maintenance” directed by Adnan Akyüz, soil and range sciences. Students taking the “Introduction to Meteorology and Climatology” course are required to take daily weather observations that consist of air temperature, wet bulb temperature, dew point temperature and relative humidity and log into a designated web server to enter their data. The same form is utilized by microclimatology graduate students. The program is not found anywhere else in the country, and it teaches students the fundamentals of meteorology via an exciting and fun technology.
- “Student Clicker Buy-back During Vendor Transition” directed by Nancy Lilleberg, Information Technology Services. Currently, NDSU is piloting two clicker vendors with the help of participating faculty and students and will adopt one as the standardized clicker solution for campus by spring semester 2012. This project will provide funds to buy back 500 pulse clickers from students who will no longer have need for them.
- “Flood Monitor” directed by Anne Denton and Adam Helsene, Department of Computer Science and Operations Research. This technology uses Google maps and inserts pins that are clickable and indicate existence and level of flooding. It aims to provide helpful information to North Dakota citizens and the NDSU volunteer network for emergency management. The project will refine the mobile aspect of the technology, which all NDSU students have the ability to use.
- “Classroom Technology Update” directed by Steve Porter, aerospace studies. The funds awarded will enable the aerospace department to build and improve its primary classroom, room 203 in the Bentson Bunker Fieldhouse, with the addition of an overhead projector, wireless remote, new computer equipment, DVD capability, new speakers and a useful podium. This classroom also is shared with other departments on campus; it is expected that once it has been updated, its use will increase.
- “Hosting TutorTrac, a Web-based Tutor and Learning Center Management and Tracking Application” directed by Aida Martinez-Freeman, TRIO Student Support Services. This data management software application will ensure that services are meeting student needs; outcome data is provided to NDSU administration and external funders; and scheduling and communication with students is efficient and effective. TutorTrac offers the possibility for an integrated system for all NDSU students.

More information about projects submitted during fall 2011 and about the proposal review process is available at www.ndsu.edu/tfac.

Questions regarding the Technology Fee Advisory Committee may be directed to committee chair Rian Nostrum at 1-7890 or rian.nostrum@ndsu.edu, or to the vice president for information technology at 1-5646.

Japanese performer to visit Theatre NDSU



Miyake

Theatre NDSU will welcome guest artist Tokuro Miyake for the production of "Wokashi: A Program of Classic Kyogen Comedies," Feb. 23-26 and March 1-3.

While on campus, Miyake will work with students, educating them about the Japanese comedic form of kyogen. Miyake became successor to her grandfather's (living national treasure ninth Tokuro Miyake) stage name in 1989, and was announced as the 10th Tokuro Miyake at the National Noh Theatre on May 21, 1989. Following her sister Junko, Miyake has appeared in many official public performances as one of the first female kyogen players in Japan.

The fanciful and earthy world of kyogen is people with dim-witted demons, talking animals, hen-pecked husbands with their domineering wives and a host of other amusing and memorable character types. Theatre NDSU's production of the kyogen sampler will feature authentic traditional staging-including costumes, masks and props. Tickets for Wokashi are on sale at www.ndsu.edu/finearts.

Funding for Miyake's visit is provided by the North Dakota Council on the Arts, The Japan Foundation and the Japanese Consulate.

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.

Wellness Center promotes Health Monday Challenge

The NDSU Wellness Center is promoting the Healthy Monday Challenge to students this semester. The challenge is based on the Healthy Monday Campaign developed from research conducted by Johns Hopkins University that indicates people regard Monday as "a day for a fresh start and a chance to set healthy intentions for the next six days."

The Healthy Monday Challenge encourages students to use Monday each week as a day to start improving their health. Health and wellness tips will be posted on the Wellness Center's website weekly and participating students will be eligible to win weekly prizes. The goal is to help students improve their stress levels, time management skills, financial wellness and overall quality of life.

Students can get more information on the program at www.ndsu.edu/wellness/healthy_mondays. Registration to participate in the program is available on Blackboard.

NDSU offers updated Crop Compare Program

The NDSU Extension Services has updated the Crop Compare program, which is a spreadsheet designed to compare cropping alternatives.

The program uses the direct costs and yields from the 2012 projected crop budgets for nine regions of North Dakota, but producers are encouraged to enter the expected yields and input costs for their farm.

The user designates a reference crop and enters its expected market price. Depending on the region, a broad selection of nine to 18 crops are compared. The program provides prices for competing crops that would be necessary to provide the same return over variable costs as the reference crop.

"Producers can compare these 'break-even' prices to expected market prices to see which crop is most likely to compete with the reference crop," said Andy Swenson, NDSU Extension Service farm management specialist. "Input costs and grain prices can move quickly. The program provides a tool for producers to check the changing scenarios until final planting decisions are made this spring."

It should be noted that an underlying assumption is that fixed costs, such as machinery ownership, land and the owner's labor and management, do not vary among crop choices and therefore do not need to be included in the analysis.

"In practice, there may be differences in fixed costs that should be considered," Swenson said. "For example, there may be additional labor, management and risk associated with a competing crop. If all the labor and management is provided by the owner-operator, it would be considered a fixed cost and could be excluded. However, the producer should add some cost if he or she would only want to produce the crop when an adequate reward would be received for the extra time and management required relative to the reference crop."

A similar rationale could be used if a competing crop is considered higher risk. The Crop Compare program is available at www.ag.ndsu.edu/farmmanagement/tools.

NDSU Extension Service partners with Bush Foundation

The NDSU Extension Service, in partnership with the Bush Foundation, is offering community resources through the Bush Fellowship program.

The Bush Fellowship is an opportunity for individuals to build their capacity for leadership while working with others to tackle their communities' toughest problems.

"NDSU Extension is partnering with the Bush Foundation because the fellowship program is a great fit with our efforts to help individuals develop leadership skills and solve problems in their communities," said Extension community economic development and leadership agent Jodi Bruns.

A Bush Fellowship is a four-year commitment. The program provides funding during the first two years of the program. During the remaining two years, the Bush Fellows join with the foundation in advancing its goal of building leadership capacity throughout Minnesota, North Dakota, South Dakota and the 23 sovereign nations that share geography with the states. Funding ranges from \$25,000 to \$75,000.

The Bush Fellowship program is based on four core principles:

- Knowing yourself first: Effective leadership builds effective relationships that improve a community. Without clarity about your own values and beliefs, working with others effectively is impossible.
- Knowing your community deeply: This involves actively listening and learning to access the community's knowledge and resources.
- Fostering community action to solve a difficult public problem.
- Managing conflict: This is searching for answers in the differences among people.

"We believe each of these principles needs to be present if solutions to the many tough problems that exist in our communities are to be solved," Bruns said

Who should apply for a Bush Fellowship? Anyone who:

- Cares deeply about his or her community and is committed to making it a better place for all
- Has a desire to work with others in the community, including those with whom they disagree, to find solutions to a tough problem affecting their community
- Understands that change needs to happen if solutions to problems are to be found and that the change needs to start with him or her
- Is passionate about learning and committed to improving his or her leadership to work with others to solve a tough problem
- Understands that risk, failure and conflict are not to be feared when working to find solutions to problems but are necessary to make progress
- Understands that the solutions to his or her community's toughest problems are to be found in the collective wisdom of the community

Application deadlines will be staggered. The first will be March 2. The other two are May 4 and July 9. Applications and more details are available at www.bushfoundation.org/solutions/building-leadership-capacity/bush-%20fellowship-program/how-to-apply.

3M executive Archibald Bush and his wife, Edyth, established the St. Paul, Minn.-based Bush Foundation in 1953.

Information Technology Division seeks nominations for awards

The Office of the Vice President for Information Technology invites nominations for the individual I.C.E. Award (Innovation, Collaboration, Excellence) and the IT Team Award.

The I.C.E. Award and IT Team Award emphasize the division's commitment to recognizing achievement and success — both at the individual level and through teamwork. The campus community is invited to nominate exemplary IT professionals.

Nominations for both awards will be accepted through Jan. 31. For more information about the IT Awards and to access the online nomination form, visit www.ndsu.edu/vpit/award or contact Cathy Hanson, IT staff development coordinator, at 1-9470 or cathy.hanson@ndsu.edu.

NDSU releases Prosper hard red spring wheat

Prosper hard red spring wheat was developed through the wheat breeding program at NDSU and jointly released by the North Dakota Agricultural Experiment Station and Minnesota Agricultural Experiment Station in spring 2011. Registered class seed produced by the North Dakota County Seed Increase Program will be available for the first time in spring 2012.

General characteristics of Prosper:

- Adapted to eastern North Dakota and western Minnesota
- Very high grain yield that is similar to Faller
- Semidwarf of conventional height and medium to medium-early maturity
- Has average protein and test weight
- Good milling and baking qualities
- Good leaf disease resistance and medium resistance to scab

Prosper was developed by using several breeding methodologies, and winter nurseries were used to speed up the process and seed production.

Overall, the selection criteria was a combination of traits used to identify a superior hard spring wheat genotype adapted to North Dakota and western Minnesota wheat production that would have superior (compared with check cultivars) yield and pest resistance. Additional selection criteria included milling and bread-making properties to meet the domestic and export market requirements.

Prosper was selected particularly for its very high grain yield, good bread-making quality traits (milling and baking), as well as its good level of resistance to foliar diseases (leaf and stem rusts in particular) that are similar to Howard. Prosper also has good resistance to fusarium head blight similar to Faller.

To help ensure genetic purity, Prosper is protected under Plant Variety Protection Act Title V. Title V allows seed to be sold by variety name only and as a class of certified seed.

For additional information about Prosper or other hard red spring wheat varieties, refer to the Spring Wheat Variety Selection Guide at www.ag.ndsu.edu/crops/guides.html or contact Mohamed Mergoum, NDSU hard red spring wheat breeder, at 1-8478 or Joel Ransom, NDSU Extension agronomist, at 1-7971.

If you are interested in purchasing seed, contact your county NDSU Extension agent or Crop Improvement and Seed Association.

Equestrian Team earns honors

NDSU's Western equestrian team earned the title of high point team the first day of a show NDSU hosted at the NDSU Equine Center on Nov. 11-13. The team was named reserve high point team the second day.

On the first day of that show, NDSU riders Shannon Voges, a senior from Courtland, Minn., and Ashley Lindell, a junior from Solway, Minn., tied for the title of reserve high point rider.

Voges was named high point rider the second day of the event. Voges, one of the team's four captains, also was named high point rider both days of a show the University of Minnesota-Crookston hosted Oct. 29-30.

The other three team captains are Jenna Benjaminson, a senior from Walhalla, N.D.; Laura Schlosser, a junior from Edgeley, N.D.; and Hannah Beyer, a junior from Rapid City, S.D.

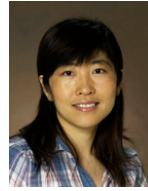
Other team members are: Alyssa Chevalier, senior, Maplewood, Minn.; Jackie Eldredge, senior, Casselton, N.D.; Brittany Huggins, senior, Warroad, Minn.; Citty Cole, junior, Granite Falls, Minn.; Caitlin Drogemuller, junior, Lakeville, Minn.; Kelsie Egeland, junior, Grand Forks, N.D.; Brandi Houghton, junior, Fargo; Codie Miller, junior, Prior Lake, Minn.; Betty Nellen, junior, Burlington, Wis.; Megan Hansen, sophomore, Doran, Minn.; Emily Kedrowski, sophomore, Apple Valley, Minn.; Ashlee Barth, freshman, Glyndon, Minn.; Rylee Burkett, freshman, Rochester, Ind.; Leslie Miller, freshman, Fergus Falls, Minn.; Alli Mustonen, freshman, Buffalo, Minn.; Emily Norwig, freshman, Hampton, Minn.; Janna Rice, freshman, Maddock, N.D.; Chelsey Schafer, freshman, New Rockford, N.D.; and Cami Slaubaugh, freshman, Wolford, N.D.

"There is an outstanding group of individuals this year who have stepped up into strong leadership roles," said team coach Tara Swanson. "I have asked a lot of the team members in terms of time commitment and hard work, and each member has accepted the challenge and played a vital role in the successful season we are having."

NDSU will host the final regular competition of the year March 3, 2012. NDSU also will host the regional show the following day.

RESEARCH

Researchers develop disaster management system



Li

Juan Li, assistant professor of computer science, and Samee U. Khan, assistant professor of electrical and computer engineering, have developed an elaborate cloud computing based disaster management system.

"Natural and manmade disasters require an effective and efficient management of massive amounts of data and coordination of wide varieties of people and organizations. This is where our system comes into play," Li said.



Khan

The system core is a web-based social network server that provides a platform to enable users (workers, first-responders, local disaster related non-profit organizations, volunteers and local residents) to access information, communicate

and collaborate, in real-time from all types of computing devices, including mobile handheld devices, such as smart phones, PDAs and iPads.

"Our system provides a community-based, effective and self-scalable cloud computing environment in which a diverse set of organizations and personnel can contribute their resources, such as data, knowledge, storage and computing platform to the cloud," Li said. "In this way, local communities, institutions/organizations and individuals can seamlessly interact with each other to achieve massive collaboration within the affected area."

Khan said the motivation to develop the system was to enable all of the local Fargo-Moorhead area residents to become first-responders by providing firsthand, valuable and timely information to the local, state and federal governments, if a calamity, such as the 2009 flood, ever happened again. Khan witnessed massive destruction due to floods in his native country, Pakistan, and he wants the local community to have all of the tools available to fight such natural disasters.

The system was first presented to the research community at the International Conference on System of Systems Engineering, Albuquerque, N.M., in June 2011. Since then, the system has undergone further advancements, such as automatic information integration and improved interoperability between different information sources.

PEOPLE

Geology associate professor recognized by ND Forest Service



Peter Oduor, center, accepts the Distinguished Service Award from State Forester Larry Kotchman, left, and NDSU President Dean L. Bresciani.

Peter Oduor, associate professor of geology, received the 2011 North Dakota Forest Service Trees Bowl Distinguished Service Award during a recognition ceremony on Sept. 10 at the Fargodome.

The award is presented to an individual who exhibits enthusiastic promotion of forestry principles and practices, including fire mitigation, protection and suppression; tree planting, preservation, or maintenance; community forestry efforts, forest management practices; forest recreation; or environmental education.

During the awards ceremony, NDSU President Dean L. Bresciani and State Forester Larry Kotchman presented each winner with a special Trees Awards plaque and limited edition centennial trees print.

Oduor and the North Dakota Forest Service have a long history of working together. He and his students helped initiate and complete a wide range of projects for North Dakota Forest Service. After meetings with stakeholders and numerous partners, Oduor and his students developed several online reporting modules with North Dakota state forest staff. "Larry Kotchman shared with us his vision of implementing all resource management on digital platforms including handheld PDAs, Toughbooks or cell phones," said Oduor. "Most of these reporting modules can be completed on standard field-based platforms, iPads and any smartphone, since they are designed on Glare-Free forms."

The North Dakota Forest Service and NDSU Department of Geosciences partnership began with a unique methodology to digitize, map and prioritize potential Forest Stewardship acres, information that is available at www.fs.fed.us/na/sap/products/index.shtml, and provided base layers for North Dakota forest resources as an integral component of the recently launched WebDET <http://spfnc.fs.fed.us/hd>. Oduor and his students also recently mapped the flooded forest acreage along the Souris and Missouri Rivers within North Dakota, information that has been shared with the N.D. State Department of Emergency Management and N.D. Information Technology Department.

Bonnie Neas retires after 34 years at NDSU



Neas

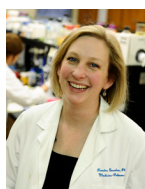
Bonnie Neas retired Dec. 15 after 34 years of service at NDSU, most recently as vice president for information technology.

The NDSU community celebrated Neas' career at an open house farewell reception on Dec. 13 in the Memorial Union Great Plains room. A short program with remarks from NDSU President Dean L. Bresciani, NDSU Provost J. Bruce Rafert and other guests was held to commemorate Neas' career and dedication to advancing information technology at NDSU and across the state and region.

Neas began her career at NDSU in 1984 as manager of user services at the university's computer center. She also served as associate vice president for cyberinfrastructure, interim deputy CIO and executive director for ConnectND, and associate vice president for federal government relations at NDSU.

In a farewell speech, Neas thanked family, friends and colleagues at NDSU and in the N.D. University System for their contributions to her career achievements. "I wish I were 10 years younger to continue to work with President Bresciani and Provost Rafert," Neas said, "as they have great plans for continuing to advance North Dakota State University."

Greenlee featured on FORWARD website



Greenlee

Kendra Greenlee, assistant professor of biological sciences, is the new featured faculty member on the FORWARD website.

Previously highlighted faculty include Marion Harris, professor of entomology and College of Agriculture, Food Systems, and Natural Resources interim associate dean for academic programs; Karen Froelich, professor of management and director of the Master of Business Administration program; Rhonda Magel, professor and chair of statistics; Kalpana Katti, University Distinguished Professor of civil engineering; Wenfang Sun, professor of chemistry and biochemistry; and Charlene Wolf-Hall, professor of veterinary and microbiological sciences and assistant dean of the graduate school.

Visit FORWARD's website to view newly featured faculty and information on all previously highlighted faculty at www.ndsu.edu/forward.

NDSU agriculture, Extension faculty and staff honored

NDSU honored Agriculture and Extension Service faculty and staff in an awards ceremony Dec. 15.

Ken Grafton, vice president for Agriculture and University Extension, dean of the College of Agriculture, Food Systems, and Natural Resources and director of the North Dakota Agricultural Experiment Station, and Duane Hauck, director of the NDSU Extension Service, presented the awards during the 20th annual Agriculture and University Extension Faculty/Staff Awards program. Fifty-two people were nominated this year.

The 2011 award recipients include:

- Larson/Yaggie Excellence in Research Award – Senay Simsek, assistant professor, Department of Plant Sciences
- Eugene R. Dahl Excellence in Research Award – Dale Redmer, professor, Department of Animal Sciences
- Earl and Dorothy Foster Excellence in Teaching Award – Adnan Akyuz, assistant professor, School of Natural Resource Sciences (soil science)
- H. Roald and Janet Lund Excellence in Teaching Award – William Wilson, professor, Department of Agribusiness and Applied Economics
- William J. and Angelyn A. Austin Advising Award – Kirk Howatt, associate professor, Department of Plant Sciences
- Myron and Muriel Johnsrud Excellence in Extension/Outreach Award – Carrie Hammer, Extension equine specialist, Department of Animal Sciences
- AGSCO Excellence in Extension Award – Ken Hellevang, Extension agricultural engineer, Department of Agricultural and Biosystems Engineering
- Charles and Linda Moses Staff Award – Mary Finseth, administrative officer, Veterinary Diagnostic Laboratory
- Donald and Jo Anderson Staff Award – Sandy Erickson, administrative office manager, Center for Community Vitality
- Rick and Jody Burgum Staff Award – Stanley Stancyk, research technician, Department of Plant Sciences

Bohl named to board of trustees



Bohl

NDSU head football coach Craig Bohl was elected to the American Football Coaches Association board of trustees by members attending the association's 2012 convention in San Antonio. He was elected along with Northwestern University head coach Pat Fitzgerald, Southeast Missouri State University head coach Tony Samuel and California University of Pennsylvania head coach

John Luckhardt.

The board formulates policy and provides direction for the association, which was founded in 1922 by Amos Alonzo Stagg, John Heisman and others. It has more than 11,000 members from all levels of the profession.

Graduate student receives scholarships



Madurrapperuma

Buddhika Madurrapperuma, a doctoral student in the environmental and conservation science program at NDSU, received three scholarships.

He received a \$500 scholarship from North Dakota View, which is administered by the University of North Dakota and is dedicated to promoting remote sensing and geospatial technologies in North Dakota. North Dakota View is a member of the AmericaView Consortium. Its main emphasis is establishing and assisting with education and training curricula in colleges and universities throughout the state and enhancing technology transfer, applied research efforts and workforce training.

Madurrapperuma was recognized for his Geographic Information System and Remote Sensing projects for the North Dakota Forest Service and numerous presentations in collaboration with state forester Larry Kotchman. Madurrapperuma has integrated stochastic analyses, for example, Markov Chain Monte Carlo simulation to study forest conversion trends, model invasive species and develop geospatial arboreal continuity as an integral project for a recently funded U.S. Department of Agriculture-Forest Service project where data can be visualized at: <http://ndfss.ndsu.nodak.edu>.

Madurrapperuma also received a 30,000 rupees scholarship Jawaharlal Nehru Center for Advanced Scientific Research Center for International Cooperation in Science Fellowship from Indian Institute of Remote Sensing in association with Indian National Science Academy for a three-month (May 20 to Aug. 20, 2012) Remote Sensing course in Dehradun, India. Among the objectives of the center is to promote cooperation in science and technology between India and other countries.

Madurrapperuma also received a Royal Botanic Gardens Kew £2,000 scholarship for a five-week intensive course at Royal Botanic Gardens in United Kingdom. Royal Botanic Gardens Kew is an accredited short course provider for independent, further and higher education in the United Kingdom. The course runs from April 16 to May 18, 2012, including field trips to Oxford Botanic Garden and other plant conservation organizations in the United Kingdom. At the end of the course work, he will receive an international diploma in botanic garden education. "This is a great honor for an NDSU student to receive a competitive international scholarship in silvicultural management and education," said Peter Oduor, Madurrapperuma's academic adviser. The international diploma in botanic garden education was developed jointly by Royal Botanic Gardens Kew and Botanic Gardens Conservation International to help botanic garden educators develop programs within the context of international conservation and sustainability legislation and to try a wide range of environmental education activities. The theme of the short course is environmental conservation in light of implementation of Target 14 of the Global Strategy for Plant Conservation by providing participants with the necessary education skills and strategies to communicate effectively to their varied audiences. Madurrapperuma has helped manage an arboretum in Sri Lanka, and during his doctoral research, integrated forest conservation and management using geospatial technologies.

Student-athlete named to academic all-star team



Veldman

NDSU tight end Matt Veldman, a senior majoring in marketing from Becker, Minn., was one of 58 players named to the 14th annual Football Championship Subdivision Athletics Directors Association Academic All-Star Team announced Jan. 3. There were 92 total nominees.

“The FCS ADA is honored to recognize the accomplishments of our football student-athletes each year with the Academic All-Star team,” said Football Championship Subdivision Athletics Directors Association president Marilyn McNeil, chair of the Academic All-Star Team Selection Committee and vice president/director of athletics at Monmouth University. “These young men compete successfully both on the field and in the classroom and truly epitomize the definition of a student-athlete.”

Football players from all Football Championship Subdivision institutions are eligible for the awards. Nominees were required to have a minimum 3.20 grade-point average in undergraduate study and have been a starter or key player with legitimate athletics credentials.

EVENTS

NDSU Extension Service sets crop insurance conference

The annual crop insurance conference sponsored by the NDSU Extension Service is scheduled for Monday, Jan. 16, at the Ramada Plaza Suites in Fargo. Registration begins at 8 a.m. Presentations begin at 8:30 a.m. and will conclude at 4:30 p.m.

Topics include:

- Business ethics
- Prospects for crop insurance in the 2012 farm bill
- Current crop insurance issues
- Cost of production/insurance coverage levels
- An update from the Risk Management Agency
- Perspectives from crop insurance companies
- Outlook for the 2012 farm bill
- U.S. economic outlook

Featured speakers include William Murphy, Risk Management Agency administrator in Washington, D.C., and Doug Hagel, Risk Management Agency regional office director in Billings, Mont.

Organizers say the conference is open to the public and should be helpful for insurance agents, farmers, agricultural lenders, farm managers, farm management educators.

Insurance continuing education credits for North and South Dakota have been approved and are pending in Minnesota.

The walk-in registration fee of \$110 includes lunch, breaks and conference materials. For additional information, call 1-8642.

Precision Agriculture Summit scheduled Jan. 16-17

NDSU's Department of Agricultural and Biosystems Engineering is a co-sponsor for the Precision Agriculture Summit at the Farmers Union Conference Center in Jamestown on Jan. 16-17.

The summit is intended to be an opportunity for sharing precision agriculture research, technology and needs among farmers, industry, consultants and university personnel. The agenda features presentations on the economics of precision agriculture, GPS and wireless communication applications, sprayer and planting equipment, mapping, and in-field and remote sensing technologies.

The agenda and other information for the summit are at www.theresearchcorridor.com/precisionagsummit.

Terry Griffin, University of Arkansas Division of Agriculture associate professor of economics, will discuss the effects of economics on farmer adoption of precision agriculture. He specializes in production economics and row-crop farm management.

Lowell Catlett, New Mexico State University College of Agricultural, Consumer and Environmental Sciences dean, chief administrative officer and professor, is an internationally known futurist who will speak about technologies and implications on the way we will live and work in the future. Catlett talks to corporate and association audiences internationally. He will offer his thoughts on trends in agriculture and the environment.

Col. Stephen Lynch, Department of Defense at the Pentagon, will speak about food security and its implications on agriculture. He will discuss the interactions of food, energy, water, global climate change and world economics with political systems on current and future food supplies. Lynch also will discuss how precision agricultural technologies can impact food security issues.

Scott Shearer, Ohio State University Department of Food, Agricultural, and Biological Engineering chair, will moderate a panel discussing the equipment available for precision spraying and planting. Shearer's research includes controller area network applications for seeding equipment control systems, evaluating the accuracy of yield-monitoring technologies, developing enhanced sensing techniques to improve the accuracy and quality of yield-monitoring data, and assessing and quantifying machinery limitations on variable-rate applications.

John Pointon, director of sales and marketing with OmniSTAR Inc. of Houston will present information on the condition and health of the GPS. In addition to sharing GPS differential correction services available from OmniSTAR, Pointon will discuss issues surrounding the potential impacts of proposed high-speed wireless Internet on GPS signal reception.

Lanny Faleide, president and CEO of Satshot in Fargo, will talk about future mobile developments in precision, geospatial and remote-sensing technologies. Satshot focuses on satellite imagery and data analysis for agribusinesses and the crop insurance industry. He also will present details about Satshot's mobile application for use with the iPhone, iPad and Android smartphones.

John Nowatzki, NDSU Extension Service agricultural machine systems specialist, will summarize current in-field crop sensing equipment and its uses for fertilizer applications. Nowatzki will

compare the capabilities of available commercial crop sensors and discuss how this technology can be used to manage fertilizer applications during the growing season.

Several industry representatives are on the summit agenda to describe a variety of precision agriculture technologies. A panel of industry representatives will share information about current and developing telematics technologies. Telematics is the real-time transfer of data between mobile farm vehicles and farm-control centers. Telematics also is used to communicate information between mobile farm vehicles and equipment manufacturer technicians.

The data is communicated by cellular and other wireless radio signal networks. Telematics is used to transfer variable-rate and as-applied maps, weather data, precise locations and areas covered.

Another industry panel will discuss the challenges and obstacles to mapping applications critical to precision agriculture. Farmers and other agricultural businesses use geographic information system (GIS) computer programs to manage the GPS-generated digital data acquired during field operations. The system was developed by agribusinesses for efficient crop production management. GIS programs are used to manage, manipulate and evaluate remote sensing, soil variability, in-field sensors and yield-monitor data. All of this data is used in GIS programs to facilitate variable-rate applications of crop input products.

Other conference sponsors include the Red River Valley Research Corridor, North Dakota Farmers Union and Lake Region State College's Dakota Precision Ag Center.

FORWARD announces promotion-to-professor events

Two FORWARD-sponsored speaker events are scheduled during January. The first is part of the promotion-to-professor panel luncheon series and is scheduled for Tuesday, Jan. 17, from 11:30 a.m. to 1 p.m. The second is a part of the FORWARD lecture series and is scheduled for Friday, Jan. 20.

Harriet McCaul, former NDSU faculty member and College of Business dean, will facilitate a discussion with faculty members on the issues of work/life balance and promotion to professor during the Jan. 17 event. McCaul also served as interim director of human resources at NDSU. Most recently, she has had primary human resource leadership responsibilities in large, private sector banking and healthcare organizations.

The Lecture Series event on Jan. 20 will feature Joan Williams, Distinguished Professor of Law and founder/director of the Center for Work Life Law at the University of California, Hastings College of the Law. Williams will present "How to have both a job and a life: Excelling in academia without losing your soul," from 10 a.m. to 11 a.m. in the Memorial Union Century Theater. Students, faculty and staff are encouraged to attend. Her noontime presentation will address "Four patterns of gender bias and how to make sure it does not derail your career" and is specifically designed for women faculty. Williams also will conduct an afternoon session for department chairs/heads and other administrators titled "It's cheaper to keep her: How losing women faculty weakens a department."

Registration for each of the promotion-to-professor and lecture series events/sessions is requested and can be completed at the FORWARD website at www.ndsu.edu/forward.

16th Annual Diversity, Direction and Dollars forum set

Diversity, Directions and Dollars 2012, an agricultural forum, is scheduled for Tuesday, Jan. 17, at the Ramada Inn Grand Dakota Lodge in Dickinson, N.D. Registration will begin at 8:30 a.m. (MT), followed by a welcome from Haylie Schipp with the Northern Ag Network at 9 a.m.

"This forum features internationally-known speakers on topics affecting agriculture in the western Dakotas and eastern Montana," said Kurt Froelich, NDSU Extension agent in Stark and Billings counties. "It will provide producers with ideas for improving productivity and decreasing costs while providing high-quality food."

Hal Weiser, Natural Resources Conservation Service soil specialist, will talk about soil health and the importance of organic matter. To complement the discussion, Ty Eisenbraun, Southwest North Dakota Soil Health Demonstration project manager, will share observations about the project near Manning, N.D. The demonstration project was started in 2008.

The yields of small-grain crops were influenced by many factors during the 2011 growing season. Roger Ashley, Dickinson Research Extension Center agronomist, will discuss "What Happened in 2011? Avoid Repeating Mistakes in 2012."

Dave Hynek, Mountrail County commissioner and agricultural producer, will discuss the impact of oil in the Stanley, N.D., area. He will share his experiences as a producer and county commissioner.

Virg Robinson, Pioneer Hi-Bred market analysis manager, will discuss the Market to Market television program. Robinson is in his 35th year of appearing on the Iowa Prairie Public Television Market to Market program.

Troy and Stacy Hadrick, advocates for agriculture, will lead a discussion on "Discovering Your Influential Power." In this presentation, the Hadricks will share what it means to be an influential person.

Sarah Singla, agricultural engineer from Aveyron, France, will talk about "A New Way of Farming: Teaming With Nature." Singla took over her grandfather's farm, which has been direct-seeded since 1980.

"Producers should come away with at least two good ideas they can apply to their farm during the next cropping season and at least one good idea to position their farming operation to take advantage of the changes occurring," Froelich said.

A registration fee of \$15 covers breaks, the noon lunch and materials and is payable at the door.

Community of Respect workshops scheduled

Three Community of Respect training workshops are scheduled for Jan. 17, 24 and 31 from 2 to 4 p.m. each day. Participants must attend all three sessions.

The workshop is a nationally recognized program adapted from Texas A&M University and modified to meet the needs of NDSU. By combining interactive activities, hands-on strategies and discussion, the training focuses on self-discovery, cultural understanding and respect building. Participants will learn skills to effectively work with colleagues and students whose backgrounds are different from their own.

Advanced registration is required for the training. Register at www.ndsu.edu/diversity/community_of_respect/registration_form. The registration deadline is 5 p.m. on Friday, Jan. 13.

For more information, contact Kara Gravley-Stack, director of Diversity Initiatives, at kara.gravley-stack@ndsu.edu or 1-7091.

'Gear Up for Grants' seminar scheduled

The Office of Research, Creative Activities and Technology Transfer has scheduled a "Gear Up for Grants" seminar for Wednesday, Jan. 18, from 3 p.m. to 4:30 p.m. in the Memorial Union Arikara room.

Kim Owen, advanced applications coordinator for Information Technology Services, and the Research and Data Working Group will present "Research Data Management."

Attendees will learn more about a new working group tasked with developing resources to further support research activities at NDSU. The multidisciplinary working group is charged with two focus areas – to identify the impact of research on campus cyber-infrastructure and to provide assistance to investigators as they develop data management plans, now required by several federal funding agencies. Session topics will include a review of existing and planned campus resources, data management throughout the research lifecycle – including determining data types, publishing, standards and storage options, and issues related to data confidentiality, integrity and availability. The session will conclude with a panel discussion by campus researchers.

All faculty, staff and students are welcome; however, you are asked to pre-register, if possible. New faculty, postdocs and graduate students are especially encouraged to attend.

To register, email kay.sizer@ndsu.edu.

NDSU Extension Service to sponsor community forums

The NDSU Extension Service is sponsoring "Taking Charge of Your Community's Future," a series of community forums, in early 2012.

The forums are designed for community leaders and citizens interested in learning more about what other community leaders are doing to capitalize on the oil boom in western North Dakota, help local decision makers better understand zoning ordinances and land use planning, and assist surface owners and others to better understand their rights.

Topics of discussion will be:

- "What We Wish We Knew" – lessons learned from those who have been through it
- "Making Informed Decisions Part 1" – zoning, ordinances, etc.
- "Making Informed Decisions Part 2" – surface rights, mineral rights, understanding lease agreements
- NDSU Extension and other resources

The dates and locations for these community forums are:

- Jan. 18, Glen Ullin (Morton County), school gym
- Jan. 19, Underwood (McLean County), City Hall auditorium
- Jan. 20, Hettinger Research Extension Center (Adams County)
- Feb. 28, Bowbells (Burke County), courthouse
- Feb. 29, Lansford (Renville and Bottineau Counties), community center

Speakers include NDSU faculty, city and county officials, and an engineering firm planner.

Preregistration is required. The cost is \$10 per person to cover meals and materials.

For more information, contact the NDSU Extension office in the counties where the sessions will be held.

Blood drive scheduled

The Office of Human Resources/Payroll will sponsor a United Blood Services Staff Blood Drive on Thursday, Jan. 19, 2012, from 1 p.m. to 4 p.m. The Bloodmobile will be parked on the west side of the Memorial Union. The blood drive is open to all faculty, staff and students. Donors must show a photo ID at the time of donation.

To schedule an appointment or for more information, visit www.bloodhero.com or contact Cynthia Baumann at 1-8961 or cynthia.baumann@ndsu.edu.

Innovation Week to showcase students' projects

NDSU and the NDSU Research and Technology Park will host the third annual Innovation Week, Jan. 23-27, to showcase students' creative research and development projects.

"Innovation Week showcases our activities at NDSU and allows us to bring in people with new ideas to brainstorm and share," said Provost J. Bruce Rafert. "We live in a global knowledge economy, and higher education is on the front lines. At NDSU, innovation is everywhere."

A new component is the Innovation Challenge '12. More than 60 NDSU students representing 24 teams submitted ideas for new, progressive products or services. The teams are competing for cash prizes – \$5,000 for first place, \$2,500 for second place and \$1,000 for third place.

"Innovation Week provides a platform to raise awareness for entrepreneurship on campus," said Tony Grindberg, executive director of the NDSU Research and Technology Park. "By adding a competition to the week, students have the opportunity to showcase the innovative work being done on campus and to drive entrepreneurship through innovation."

The teams' posters will be on display Wednesday, Jan. 25, 9 a.m. to 5 p.m., in the Memorial Union Prairie Rose Room. Oral presentations will be the same day, 10 a.m. to noon and 1 p.m. to 3 p.m., in the Memorial Union Great Room and Century Theater.

"We encourage you to attend the presentations taking place on Wednesday so you can see firsthand the innovative projects that the students will be competing on," Grindberg said. "New software technologies, coating advancements and energy self-sustainability platforms are just a few of the projects that will be showcased."

The Innovation Challenge '12 awards ceremony and the Innovation Week keynote address will be Thursday, Jan. 26, at 3:30 p.m., in the Memorial Union Great Room. Businessman Tom Walter, CEO of Tasty Catering, will be the keynote speaker. A serial entrepreneur from the Chicago area, Walter has started 29 companies and acquired three more. He is a member of the Chicago Entrepreneurship Hall of Fame.

Innovation Week also will include breakout sessions to help students learn what resources are available for aspiring business owners and to interact with members of the local business community. Topics include how to turn an idea into a business opportunity, how to finance a venture and how to find customers. Visit www.ndsuresearchpark.com/about/Pages/Events.aspx for a full list of events.

Search committee announces general counsel open forums

Two candidates for general counsel are scheduled to present at campus open forums on Jan. 23 and 24. Everyone is welcome to attend.

The candidates will speak on the topic "Issues in Higher Education Law that NDSU's General Counsel Needs to Address Within the Next Three to Five Years," as well as respond to questions from the audience. David Bell will present on Monday, Jan. 23, from 1 p.m. to 2 p.m. in the Memorial Union Hidatsa room. John Cahill will present on Tuesday, Jan. 24, from 1 p.m. to 2 p.m. in the Memorial Union Century Theater.

The candidates' resumes can be requested by contacting jane.cumber@ndsu.edu.

NDSU schedules soybean production meetings

Soybean producers interested in intensive soybean management should plan to attend one of three Getting it Right meetings scheduled for Langdon, N.D.; Oakes, N.D.; and Jamestown, N.D.

At the meetings, NDSU Extension Service faculty and staff will discuss soybean research and 2012 production issues.

"These are soybean educational meetings with current research-based information that can help producers with soybean production decisions for the 2012 growing season," said Hans Kandel, NDSU Extension agronomist.

The meeting dates are:

- Wednesday, Jan. 25, from 10:30 a.m. to 3 p.m. at the Langdon Research Extension Center meeting room
- Thursday, Jan. 26, from 10:30 a.m. to 3 p.m. at the St. Charles Social Center (410 7th St. N.) in Oakes
- Friday, Jan. 27, from 10:30 a.m. to 3 p.m. in the Lantern Room of The Depot restaurant (300 2nd Ave. N.E.) in Jamestown

Sam Markell, NDSU Extension pathologist, will provide an update on the disease outlook for 2012 and results from field research conducted in 2011. Two important topics covered will be an update on the soybean cyst nematode and how to manage white mold in soybeans. Kandel will address variety selection, the latest information about iron chlorosis prevention, importance of good nodulation, fertility issues and water management.

Greg Endres, NDSU area Extension specialist/cropping systems, will discuss intensive soybean management, no till and strip till versus conventional till, planting dates, plant populations and row spacing, seed sizes, different soybean chemical products on the market and weed management issues. NDSU Extension agents Ronald Beneda (Langdon), Julie Hassebroek (Forman), Kacey Holm (Oakes) and Lance Brower (Jamestown) will be the hosts and provide local crop updates. The programs and lunches are sponsored by the North Dakota Soybean Council, which oversees promotion, research and marketing programs funded by soybean check off dollars.

The programs are free and open to the public. Preregistration is not necessary.

Grass-N-Beef Research Review scheduled for Jan. 25

Forages, using livestock to control Kentucky bluegrass, cover crops for grazing, evaluating vaccine efficacy in beef cattle and artificial insemination in a commercial beef herd are among the topics for the Grass-N-Beef Research Review program at NDSU's Central Grasslands Research Extension Center near Streeter, N.D., on Jan. 25.

The program will begin at 10 a.m. with a welcome from Paul Nyren, center director, and remarks from Ken Grafton, NDSU's vice president for Agriculture and University Extension, director of the North Dakota Agricultural Experiment Station and dean of the College of Agriculture, Food Systems, and Natural Resources.

Other topics include soil respiration partitioning in Missouri Coteau rangeland, usage of dried distillers grains with solubles as a supplement for yearling heifers, an evaluation of perennial forages for producing biofuels and a history of the nearby Lake George region since the last ice age. Also, Nyren will discuss the growth and development of the Central Grasslands Research Extension Center in the last 30 years.

Session presenters include Guojie Wang, center forage agronomist; Bryan Neville, center animal scientist; Bob Patton, center range scientist; Xuejun Dong, center ecophysiologicalist; Kevin Sedivec, NDSU rangeland management specialist; NDSU graduate students; a senior veterinarian from Pfizer Animal Health; and a professor in the earth and atmospheric sciences department at the University of Nebraska-Lincoln.

The program is free of charge and will include a catered lunch. Registration is not required.

Visit www.ag.ndsu.edu/CentralGrasslandsREC or contact Nyren at 701-424-3606 or p.nyren@ndsu.edu for more information.

Economics professor from Korea University to present seminar

Doo Bong Han, professor of food and resource economics at Korea University, Seoul, will present "Assessing Korean Consumers Valuation for Domestic and Imported Rice," on Friday, Jan. 27, at 2 p.m. in Richard H. Barry Hall room 600.

Han earned his doctorate in agricultural economics from Texas A&M University. He is currently a Fulbright Scholar at the University of Arkansas.

The seminar is sponsored by the Department of Agribusiness and Applied Economics and the Center for Agricultural Policy and Trade Studies.

Science Café shows how statistics can be applied to football



Magel

How statistics can be applied to football will be discussed during the January Science Café on Tuesday, Jan. 31, at 7 p.m. in Stoker's Basement, Hotel Donaldson.

Rhonda Magel, professor and chair of the statistics department, and Michael Price, an undergraduate student majoring in mathematics, will demonstrate the application of statistics to two questions – does football momentum translate into points and can turnover margin help predict victory in a football game?

For the first question, the average number of points obtained from the possession following an interception or fumble recovery in the National Football League is compared with the average number of points obtained from a possession with a first down starting in the same location on the field. For the second question, the probability of a team winning the game is estimated based on turnover margin while controlling for home field advantage.

The model developed is used to predict the outcome of games in the next National Football League season.

Attendees must be 21 or older or accompanied by a parent or guardian. For more information, contact Keri Drinka at keri.drinka@ndsu.edu or 1-6131.

Science Café, sponsored by NDSU's College of Science and Mathematics, features a presentation by a scientist and time for discussion with the scientist and other attendees.

Open forum on disability survey results scheduled for Jan. 31

The results of the faculty survey on disabilities conducted this past semester will be presented during an open forum on Tuesday, Jan. 31, at 2 p.m. in the Memorial Union Century Theater. In addition to reporting the survey's findings, attendees will be able to discuss their implications for NDSU.

The survey was conducted as part of the FORWARD project and was prepared and administered by a task force including chair Charles Peterson, pharmacy, nursing, and allied sciences; Sean Sather-Wagstaff, mathematics; Jane Schuh, veterinary and microbiological sciences; Cali Anicha, School of Education, student member; Canan Bilen-Green, industrial and manufacturing engineering; Colette Erickson, Office of Human Resources; Bunnie Johnson-Messelt; Disability Services; and Evie Myers, Division of Equity, Diversity and Global Outreach.

Schuh and Sather-Wagstaff will present the results of the survey and Peterson will facilitate the discussion.

All interested persons are invited to attend.

Tri-College women networking breakfast scheduled

FORWARD will host a networking event for women faculty from Concordia, Minnesota State University Moorhead and NDSU. The breakfast will take place on Thursday, Feb. 2, from 7:30 a.m. to 9 a.m. at the NDSU Equity and Diversity Center in the Alba Bales House on campus. Women faculty, especially STEM women faculty, from all three universities are encouraged to attend.

Previous networking events included a speed networking event for NDSU women faculty co-sponsored by FORWARD and Women in Research.

Spring Discover U scheduled for Feb. 15

The spring Discover U is scheduled for Wednesday, Feb. 15, from 8:30 a.m. to 12:30 p.m. in the Memorial Union Great Plains Ballroom. All NDSU staff are invited and encouraged to attend the staff development workshop organized by NDSU's Staff Senate.

This is the second of two half-day Discover U events offered this year in an effort to provide opportunities for more staff to participate without being away from their work for an entire day.

The Feb. 15 program, "Desire to Grow from Head to Soul," will be presented by Chris Linnares, author of several books and newspaper articles on health and empowerment, including the award-winning book and social project, "Beautiful Women of North Dakota." Linnares encourages body-mind-soul connection by combining positive emotions with movement to energize and empower one's life. There will be minimal movement so comfortable clothing is suggested.

Registration forms also have been sent to all staff. The deadline to register is Monday, Feb. 13. Staff can register via the hard copy registration form or online at <http://tinyurl.com/8ysq3s6>. The cost is \$20, which includes coffee and tea in the morning and a lunch with a pasta bar, salad and cookies.

PUBLICATIONS/PRESENTATIONS

Associate professor to publish paper in accounting journal



Klamm

Bonnie Klamm, associate professor of accounting and information systems, co-wrote the article, "Determinants of the Persistence of Internal Control Weaknesses." It will be published in *Accounting Horizons*, a quarterly journal of the American Accounting Association, in June 2012.

The co-authors of the article include Kevin Kobelsky, from the University of Michigan – Dearborn, and Marcia Weidenmier Watson, from Mississippi State University.

According to the authors, the paper analyzes the degree material weaknesses in internal control reported under the Sarbanes-Oxley Act of 2002 affect the future reporting of material weaknesses. Particularly, they examined information technology and non-information technology material weaknesses and their breakdown into specific information technology-related entity-level, non-information technology-related entity-level and account-level deficiencies.

For more information on *Accounting Horizons*, visit <http://aaahq.org/pubs/horizons.htm>.

Researchers publish 20 cancer research papers in 2011



Wu

Erxi Wu, assistant professor of pharmaceutical sciences, and his lab published 20 papers on cancer research throughout 2011.

Some of the publications his research was featured in include *Journal of Immunology*, *Journal of Biomedical Informatics*, *Cancer Letters*, *PLoS ONE*, *Journal of Neuro-Oncology*, *European Journal of Pharmacology* and *Current Molecular Medicine*.

Wu's research areas include tumor therapeutic targets, drug target proteins, biomarkers, drug discovery, natural products, traditional Chinese medicine/complementary and alternative medicine, and pharmacogenomics.

Wu finished his doctorate in biochemistry from Sheffield University Medical School, Sheffield, England, in 1998. He went on to conduct postdoctoral research in cancer biology at the Dana-Farber Cancer Institute at Harvard University. From 2004 to 2008, he led a research group as a faculty member at Children's Hospital Informatics Program of the Division of Health Sciences and Technology at Harvard-MIT.

He joined NDSU in 2008 as a tenure-track assistant professor in the Department of Pharmaceutical Sciences.

Monroe published in *The Clarinet*



Monroe

Douglas Monroe, assistant professor of clarinet, was published in the December 2011 issue of *The Clarinet*, a magazine of the International Clarinet Association.

The article, "An Interview with Colin Matthews: Benjamin Britten's Movements for a Clarinet Concerto," is about an unfinished piece of music Britten wrote for Benny Goodman in 1942. When

Britten had to return to the United Kingdom during the war, United States officials confiscated the music, believed to contain spy codes. Although officials returned the music a year later, Britten did not resume working on its completion before his death in 1976. The piece was finished by Britten scholar Colin Matthews in 2007 and featured Monroe as clarinet soloist for the North American premiere earlier this fall.

Human development and education faculty publish and present

Abby Gold, assistant professor of health, nutrition and exercise sciences, with co-authors, Nan Yu and Elizabeth Crawford from the NDSU communication department, had the paper, "Combating Childhood Overweight: Effects of Informational and Narrative Radio Messages on Parents of Children and Teenagers," accepted without revisions to the Journal of Health and Mass Communication.

Sharon Query, Center for 4-H and the human development and family science department, received a contract for \$42,020 from the North Dakota Department of Transportation for consulting work on the Parents LEAD project for October 2011 through September 2012.

Faculty in the Department of Health, Nutrition, and Exercise Sciences were notified their article, "Promoting Healthy Eating and Exercise Through Online Messages: A Pilot Study," will be published in the December issue of the Journal of Extension. The article represents the master's degree work of Helen Nyquist, former graduate student. Her co-authors are Yeong Rhee (adviser) and Ardith Brunt, associate professors of health, nutrition and exercise sciences; and Julie Garden-Robinson, associate professor of food and nutrition Extension.

Members of the Eating Disorders and Body Image Lab, led by Beth Blodgett Salafia, assistant professor of human development and family science, presented a research poster and paper at the National Council of Family Relations conference in Orlando, Fla. The paper was titled "Marital conflict and girls' disordered eating: Parenting as a mediator" and authors were Blodgett Salafia and graduate students Mallary Schaefer and Emily Haugen. The poster was titled "The effects of teasing by family members on adolescents' body image," and authors were Schaefer and Blodgett Salafia.

Kendra Erickson, a gerontology doctoral student, and Brandy Randall, associate professor of human development and family

science, presented a poster on "Links among hope, grit, and perceptions of community for older and middle-aged adults" at the 2011 Meeting of the Gerontological Society of America in Boston. The study used data collected as part of a larger, intergenerational study funded by a National Institutes of Health grant from the INBRE Program of the National Center for Research Resources, the dean of human development and education, and the Department of Human Development and Family Science.

Kristen Benson, assistant professor in human development and family science, presented the paper, "A Qualitative Exploration of Transgender Perspectives of Therapy," at the National Council on Family Relations Annual Conference in Orlando, Fla. Benson also presented the poster, "The Bi-Directional Nature of Women's Body Image and Sexual Experiences," with Beth Blodgett Salafia. Benson began her term on the National Council on Family Relations Feminism and Family Studies Section Executive Board as the student/new professional representative and also facilitated the council's Sexuality Focus Group in her new role as co-chair. Prairie Public Broadcasting also interviewed her for a segment on gender identity scheduled to air on "Morning Edition."

Brent Young, assistant professor, agricultural and Extension education, was elected chair of the managing and editing board of the Career and Technical Education Research Journal. Young will preside at the 2012 board meeting held in conjunction with the Association for Career and Technical Education annual conference. Career and Technical Education Research publishes refereed articles that examine research and research-related topics in vocational/career and technical education, career development, human resource development, career issues in the schools (Grades K-12), postsecondary education, adult and lifelong learning and workforce education. The editorial board is committed to publishing scholarly work that represents a variety of conceptual and methodological bases.

SHORTS AND REMINDERS

Policy Updates

The following policy has been added or revised recently. To view the complete policy, visit www.ndsu.nodak.edu/policy.

Policy 350.1: Board Regulations on Academic Freedom and Tenure; Academic Appointments

This change provides guidelines for faculty renewal contracts and establishes dates when notifications and signatures must be received.

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.

Administrative Secretary

Library
\$23,000+/year
Jan. 19

Administrative Secretary/#00021090

Langdon R/E Center – Langdon, N.D.
\$30,000+/year
Jan. 31

PM Cook/#00019282 (11:30 a.m. – 8 p.m.)

Dining Services - UDC
\$12.50+/hour
Jan. 26

PM Cook (12 p.m. – 8:30 p.m.)

Dining Services - WDC
\$12.50+/hour
Open until filled

Custodian (two positions)

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

Account Technician/#00028044

Distance and Continuing Education
\$30,000+/year
Jan. 23

Account Tech/#00019069

Accounting
\$34,000+/year
Jan. 26

Medical Records and Technology Support Assistant/# 00019227

Student Health Services
35 hrs/wk during academic year;
15 hrs/wk in summer
\$22,230+/year
Open until filled

Teacher Technician/#00018736

Center for Child Development
\$24,000+/year
Open until filled

Nursery Technician/#00020146

N.D. Forest Service – Towner, N.D.
\$28,670+/year
Feb. 15

Nutrition Education Assistant, FNP (Fort Berthold)

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

Nutrition Education Assistant, FNP – Sioux County

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

Web Technology Specialist/#00027801

Agriculture Communication
\$40,000+/year
Jan. 31

Technical Director/00021434

Northern Crops Institute
Salary commensurate w/experience
Feb. 1

Hall Director

Residence Life
\$31,500+/year
Feb. 3

Access Services Librarian/#00018897

Library
\$44,000+/year
Feb. 6

Research Specialist/#00021256

Animal Sciences
Salary commensurate with experience
Feb. 13

Coordinator, Recreation Center and Leisure Programs/#00020246

Memorial Union
\$33,000+/year
Open until filled

Budget Analyst

Budget Office
Salary commensurate with experience
Open until filled

Physician

Student Health Services
.85 FTE
Salary commensurate w/experience
Open until filled

Archivist/#00021104

Library
\$44,000/year
Open until filled

Veterinary Technician/Veterinary Technologist

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

Software Engineer

CNSE
Salary commensurate w/experience
Open until filled

HPC Systems Administrator

Computationally Assisted Science and Technology
Salary commensurate w/experience
Open until filled

Nutrition Laboratory Technician

Animal Sciences
\$19,500+/year
Open until filled

Wetland Assessment Research Specialist/#00024376

School of Natural Resource Sciences
Salary commensurate with experience
Open until filled

Histology Laboratory Coordinator/#00027420

Animal Sciences
\$22,000+/year
Open until filled

Bio/Immunoassay Laboratory Coordinator/#00027419

Animal Sciences
\$22,000+/year
Open until filled

CALENDAR

JANUARY

13 **Surplus auction sale** – 11 a.m. to 1 p.m., 3601 7th Ave. N.

13 **Plant sciences graduate seminar** – Mory Rugg will present “Evaluation of Hard Red and White Spring Wheat Genotypes for Tolerance to Pre-Harvest Sprouting” – 3 p.m., Loftsgard Hall

14 **Bison Basketball Doubleheader vs. South Dakota** – Women’s game at 5 p.m. and men’s game at 7:30 p.m., Bison Sports Arena

15 **Track and Field Bison Invitational** – Time to be announced, Bison Sports Arena

16 **Martin Luther King Jr. Day** – University closed

16 **Women’s Basketball vs. University of Missouri** – Kansas City – 7 p.m., Bison Sports Arena

16-17 **Red River Valley Research Corridor Precision Agriculture Action Summit** – North Dakota Farmers Union Conference Center, Jamestown, N.D. Co-organized by NDSU’s Department of Agricultural and Biosystems Engineering. For more information, visit www.theresearchcorridor.com/precisionagsummit.

CALENDAR

17 Service Days event (Brown Bag) – Dan Danielson, Fargo New Life Center, will present on the more than 350 documented homeless people in Fargo-Moorhead on any given night – 12:30 p.m. to 1:30 p.m., Memorial Union Room of Nations

17 NDSU Main Library event – N.D. author Alan Davis will speak about his newest book, “So Bravely Vegetative” – 2 p.m., Main Library classroom. Refreshments served. Free and open to the public.

18 Brown Bag – “Stalking: Know it. Name it. Stop it” – Noon to 1 p.m., Memorial Union Arikara room

18 Gear Up for Grants Seminar, “Research Data Management” – 3 p.m. to 4:30 p.m., Memorial Union Arikara room. Presented by the Research and Data Working Group. To register, email kay.sizer@ndsu.edu.

18 Service Days event – Campus Attractions movie, “Pay It Forward” – 7 p.m., Memorial Union Century Theater

19 Service Days event, Nonprofit Opportunity Fair – 12:30 p.m. to 3:15 p.m., Memorial Union Great Plains Ballroom

19 Service Days presentation – Dr. Mary Jo Lewis, Sanford Health, will present on servant leadership – 3:30 p.m. to 5 p.m., Memorial Union Arikara Room

19 United Blood Services Staff Blood Drive – 1 p.m. to 4 p.m., by the west side of the Memorial Union. Open to all faculty, staff and students. Schedule an appointment online at www.bloodhero.com.

19 Martin Luther King Birthday Celebration – 3 p.m. to 4:30 p.m., Memorial Union Prairie Rose room

19-23 NDSU Bookstore event– Meet the Art and Supply Department staff and learn about the new online ordering process at the Memorial Union location.

20 Plant sciences graduate seminar – Jonathan Neubauer will present “Gene Expression Associated with Wound and Native Periderm Maturation in Potato Tubers” – 3 p.m., Loftsgard Hall

20 Service Days event, Campus Attractions movie – “Pay It Forward” – 7 p.m. to 9:30 p.m., Memorial Union Century Theater

20 Service Days event, MU Live: Service Project – Help make fleece blankets to donate to Project Linus, www.projectlinus.org/index.html – 9:30 p.m. to 1 a.m., Memorial Union, Lower Level

21 Service Days event, Campus Attractions movie – “Pay It Forward” – 7 p.m. to 9:30 p.m., Memorial Union Century Theater

23-27 Innovation Week

24 Innovation Week Kick-off Breakfast with President Bresciani – 7:30 a.m. to 8:30 a.m., Richard H. Barry Hall

25 Innovation Week Innovation Challenge 12 Competition/Poster Viewing – 10 a.m. to 5 p.m., Memorial Union Century Theater

25 Brown Bag – “Refusing to be Put Aside: A Cross-Cultural Study of Women’s Experience of Betrayal,” presented by Anne Dilenschneider – Noon to 1 p.m., Memorial Union Arikara room

26 Innovation Week keynote presentation and awards ceremony – Speaker, Tom Walter, serial entrepreneur – 3:30 p.m. to 5 p.m., Memorial Union Great Room

FEBRUARY

1 Black History Month program: “Celebration of Women and their Music” – Noon to 1 p.m., Memorial Union Arikara room. Singing performance by Rosie Sauvageau plus history about the 15th annual Fargo Tradition, “Celebration of Women and their Music.”

7 Study Abroad Fair – 10 a.m. to 2 p.m., Thundar’s Den, Memorial Union lower level. Sponsored by the Office of International Programs.

8 Brown Bag – “Personal Experiences, Choices and Challenges of Breast Feeding on Campus” panel – noon to 1 p.m., Memorial Union Arikara room

15 Brown Bag – “seriously? ... omg ... GYT” – noon to 1 p.m., Memorial Union Meadow Lark room

15 “Sex Signals” presentation – 6 p.m., Memorial Union Great Room. A provocative, in-your-face look at issues surrounding dating, sex and date rape on college campuses.

16 Black History Month program: Step Show – 6 p.m., Festival Concert Hall

18 Black History Month program: Pan Africa Night – 7 p.m., Festival Concert Hall

22 Black History Month program: “Making Fiction, Making History” – Noon, Memorial Union Arikara room. An introduction to three of the most important African American creative writers of the first half of the 20th century.

24 Pride Network Meeting – Noon, contact kristen.benson@ndsu.edu for room location.

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

NEXT ISSUE Publication date: Tuesday, Jan. 31 | Submissions due: Jan. 26 at noon

SEND SUBMISSIONS TO THE EDITOR Linsey Davis | ndsu.itshappening@ndsu.edu
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NDSU