

NDSU

VOLUME 4 ISSUE 3

IT'S HAPPENING AT STATE

FEBRUARY 15 2012

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Dean candidates to visit campus, present open forums

Three candidates for dean of the NDSU College of Science and Mathematics are scheduled to visit campus for interviews. Each candidate will present an open forum while at NDSU.

John Mintmire, Regents Professor and head of the Department of Physics at Oklahoma State University, is scheduled to be at NDSU Feb. 27-28, with an open forum set for Feb. 27 at 2 p.m. in the Memorial Union Century Theater.

Scott Wood, dean of the College of Science at the University of Idaho, plans to visit campus March 1-2, with an open forum on March 1 at 2 p.m. in the Memorial Union Century Theater.

Keith Murphy, professor of genetics and chair director of the Clemson University Genomics Institute, is scheduled to be at NDSU March 5-6, with an open forum on March 5 at 2 p.m. in the Memorial Union Plains Ballroom.

According to Charles Peterson, search committee chair and dean of the College of Pharmacy, Nursing, and Allied Sciences, "The search committee is pleased to have identified three excellent candidates for the dean's position. All three candidates have outstanding academic credentials and administrative experience."

Mintmire earned his bachelor's degree and doctorate in physics from the University of Florida, Gainesville. He previously was associate dean of research for the Oklahoma State University College of Arts and Sciences. In addition, he was a research physicist with the chemistry division of the U.S. Naval Research Laboratory in Washington, D.C. His honors include the Oklahoma State University Regents Distinguished Research Award and College of Liberal Arts and Sciences Outstanding Alumni Award from the University of

Florida. He is a Fellow of the International Union of Pure and Applied Chemistry and the Physical Society's Division of Materials Physics.

Wood earned his bachelor's degree at Hamilton College in Clinton, N.Y., and his master's degree and doctorate in geology from Princeton University, Princeton, N.J. His professional experience includes being a visiting scientist at the Oak Ridge National Laboratory and the Los Alamos National Laboratory. He also was a faculty member at McGill University. Among his honors are the 2006 Distinguished Service Award from the Division of Geochemistry of the American Chemical Society, 2005 Inaugural Distinguished Faculty Award from the College of Science at the University of Idaho, 2004 Julian Boldy Award for best paper in economic geology at the annual joint meeting of the Geological Association of Canada and the Mineralogical Association of Canada and the Meritorious Service Award from the Geochemical Society.

Murphy earned his bachelor's degree at Indiana University, master's degree in molecular genetics at the University of Cincinnati College of Medicine and doctorate in genetics and microbiology from Louisiana State University. His work experience includes being a faculty member at Texas A&M University, College Station; University of Memphis, Tennessee; and The Citadel, Charleston, S.C. In addition he was a postdoctoral research geneticist at the USDA-Agricultural Research Service Animal Diseases Research Laboratory in Laramie, Wyo. His vita lists two patents, and he received the Sigma Xi Award for outstanding published manuscript and the Pfizer Animal Health Award for excellence in research.

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 Feb. 29 It's Happening at State

The next electronic issue of It's Happening at State will be posted Feb. 29 at www.ndsu.edu/ihas. Submissions for that issue are due at noon on Feb. 24.

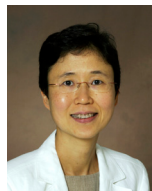
Valentine's Ball scheduled

The annual Valentine's Ball, sponsored by Staff Senate, is scheduled for Feb. 25 at 7 p.m. in the Memorial Union Ballroom.

Black History month events planned

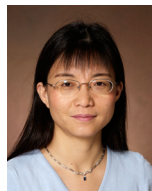
February is Black History month. To learn about several events planned on campus, visit www.ndsu.edu/diversity.

Recipients of Odney, Waldron, Peltier Awards announced



Rhee

Three NDSU faculty members have been selected to receive prestigious university honors. Yeong Rhee, associate professor of health, nutrition and exercise sciences, was named to receive the Odney Award; Wenfang Sun, the Walter F. and Verna Gehrts Professor of chemistry and biochemistry, will be recognized with the Waldron Award; and Sivaguru Jayaraman, associate professor of chemistry and biochemistry, will be acknowledged with the Peltier Award.



Sun

The recipients will be recognized during the 15th annual Celebration of Faculty Excellence to be scheduled for later this spring. The awards are sponsored by the NDSU Development Foundation.



Jayaraman

“We had an astonishing array of talent brought forward through the nomination process,” said Provost Bruce Rafert. “The selection committee was clearly impressed by the distinguished records of research and academic ability of our nominees.”

Rhee received 30 nominations for the Odney Award, which was established by the family of Robert Odney to recognize outstanding faculty teaching.

“She is an incredible instructor; she presents information clearly and gives real-world situation examples,” wrote student Amanda Middaugh in a letter nominating Rhee for the Odney Award. “She is a wonderful instructor and person who has made a positive contribution to my educational experience at NDSU.”

Student Leah Gramlow wrote, “Dr. Rhee is the best teacher I’ve had in my 17 years of being a student. She cares about our understanding of the content we cover in class and she would do anything to help a student succeed in school and in life.”

Rhee, who joined the NDSU faculty in 2002, earned her doctorate in human nutrition at Oklahoma State University, Stillwater. She is a registered dietitian, and a member of the American Society of Nutrition and the American Dietetic Association.

The Fred Waldron Research Award was established with the NDSU Development Foundation Board of Trustees to recognize outstanding faculty research. Sun was nominated for the honor by faculty members Gregory Cook, Mukund Sibi and Jayaraman.

“She has been an extremely proficient researcher, an excellent educator and outstanding colleague and leader in service,” they wrote in a nomination letter.

Sun’s nomination states she has established a world-renowned research program in the area of new materials for optical sensing, photo limiting devices, photodynamic therapy for cancer and medical imaging. It notes Sun has brought more than \$4 million in extramural funding to campus, and she has had more than 15 papers published in the past year.

“Dr. Sun is an outstanding colleague who has made an outstanding impact in her field of research both locally and globally,” wrote Cook, Sibi and Jayaraman.

Sun joined the NDSU faculty in 2001. She earned her bachelor’s degree at Wuhan University in China and her doctorate in chemistry from the Institute of Photographic Chemistry, Chinese Academy of Sciences in Beijing. She also was a postdoctoral research associate at the University of Alabama at Birmingham.

The Peltier Award was established by Joseph and Norma Peltier to recognize outstanding innovation in teaching. Jayaraman was nominated by faculty colleagues Cook and Sun and graduate student Anoklase Ayitou.

The nominators note Jayaraman teaches with “flair and enthusiasm and brings his extensive computer expertise to help students in the classroom.” The nomination states he teaches courses in physical organic chemistry and spectroscopy and a special topics course in photochemistry was carried by the Internet to students at Columbia University and the University of Miami. He also has initiated the Parents Involvement with Children Nurturing Intellectual Curiosity in Science, a collaborative program involving students, parents, high school teachers and NDSU chemistry faculty.

“Dr. Jayaraman has continued to push the boundaries of Internet connectivity by expanding his experience from the class to a new ‘literature literacy’ project connecting students and research labs at four universities to hold super group meetings,” the nomination letter said. The participating institutions include Columbia University, University of Miami, UCLA and Brown University.

Jayaraman, who came to NDSU in 2006, earned his bachelor’s degree at Bharathidasan University, St. Joseph’s College in Trichy, India; his master’s degree in chemistry from the Indian Institute of Technology, Madras; and his doctorate in chemistry from Tulane University, New Orleans. He also was a postdoctoral fellow at Columbia University, New York.

Bison nickname turns 90

February 2012 marks the 90th anniversary of NDSU sports teams being known as the Bison.

According to the Feb. 17, 1922, edition of *The Weekly Spectrum*, the Lettermen’s Club voted the week before to adopt the nickname Bison for the university’s sports teams and to discontinue the use of Aggies. At that time, NDSU was called the North Dakota Agricultural College.

“The name will no doubt sound queer to us for a while, but when we once become used to its usage we can be proud to have our teams play under the name of the staunchest and most persistent fighters of the plains in the early days,” the un-bylined *Spectrum* reporter wrote.

That same year, there also was a movement to change the name of the university. According to the March 31, 1922, edition of *The Weekly Spectrum*, 449 out of 560 students voted on whether to change the name. The majority of students – 437 – voted in favor of changing the name to North Dakota State College.

The name was never officially changed to North Dakota State College, said Mike Robinson, director of the Institute for Regional Studies Archives and University Archives. However, old publications show students started referring to the university as North Dakota State or NDS.

President Bresciani announces award availability



Bresciani

President Dean L. Bresciani announced the availability of three awards designed to support and enhance the engagement of NDSU with Fargo and North Dakota. Each award carries a stipend of up to \$20,000.

The Ozbun Economic Development Award is established to stimulate NDSU faculty to assist the state with economic development. Up to \$20,000 (\$10,000 as supplemental salary and \$10,000 for expenses of the project described in the application) will be awarded in recognition of the presidency of Jim Ozbun.

The applicant must be a full-time faculty member at NDSU with the rank of assistant, associate or full professor. They also must be employed at NDSU when award payments are made.

Possible projects could be studying the impact of tourism relative to wildlife, fisheries and other related environmental issues; water movement of the Red River; or work force evaluation of displaced farmers.

The Efficiency in Government Award sponsors studies to increase efficiency in state, county and city government in North Dakota.

Individuals or entities from NDSU or outside of NDSU may make proposals and receive funding. Proposals are restricted to projects in North Dakota and all funds are to be spent in North Dakota. Possible projects could be to study ways to obtain better results from economic development funds and Extension pilot studies.

The Community Projects Award sponsors studies for betterment of the community in the area of social concerns. Individuals or entities from NDSU or outside of NDSU may make proposals and receive funding. Community projects are restricted to the city of Fargo. Possible projects include Mothers Against Drunk Drivers, crime stoppers, graffiti removal, service learning or alcohol-related issues. These examples are not intended to limit the kinds of projects eligible for awards.

Anyone interested in applying for the awards should submit a one-page proposal, including a proposed budget, to the President's Office, Old Main 102, no later than Friday, April 6. Successful recipients are required to submit a report to the donors upon completion of their project.

Research and Technology Park to offer Entrepreneurship Academy

The NDSU Research and Technology Park is scheduled to host the third annual Youth Entrepreneurship Academy for area high school juniors and seniors April 13, 14, 17, 19, 24, 26 and 28.

The program is for students interested in science, mathematics, technology or entrepreneurship. They will learn to identify a possible business, develop a product or service, create a marketing plan and pitch the idea to potential investors.

There is a \$50 registration fee, which can be waived if needed. Interested students should contact their counselor or teacher for a nomination packet.

Contact Paul Tefft at paul@ndsuresearchpark.com or 701-499-3628 or Emily Schreier at emily@ndsuresearchpark.com or 701-499-3600 for more information

Concept pharmacy to offer free services to faculty and staff

NDSU's Thrifty White Concept Pharmacy, a licensed pharmacy located in the College of Pharmacy, Nursing, and Allied Sciences and staffed by faculty of Department of Pharmacy Practice, is offering health and wellness services at no charge to NDSU faculty and staff.

Faculty and staff are eligible to sign up for an appointment if they are taking at least three medications. Participants will receive a comprehensive review of all medications and a blood pressure reading. These encounters will contain medication costs and identify and manage medication problems. Participants have the option to receive cholesterol and blood glucose screening at no charge. A similar appointment and health screenings could cost up to \$100 at a local pharmacy.

One-hour appointments will be conducted the week of March 26-30 in Sudro Hall 108. A limited number of appointments are available. The deadline for registering is Feb. 23.

To make an appointment, visit www.ndsu.edu/pharmacy and click on the Medication Therapy Management link.

Faculty in Residence applications available

Applications for the Faculty in Residence position, a component of the larger Faculty in Residence Education Program, are due by 5 p.m. on Feb. 27. In this position, a faculty member lives in the residence hall and interacts with students both formally and informally outside the classroom where additional, important learning occurs. Both students and faculty benefit from the interactions – faculty gain insight into the dynamics of student life, and students gain a greater understanding of the faculty's role in education through conversation.

Goals for the program include exchange of ideas, intellectual development, career experience, personal connections and shared experiences. Faculty will participate in various programs, act as mentors and role models, assist students with accomplishing various learning outcomes and become a valuable part of the community.

For more information about the position description and benefits, visit www.ndsu.edu/reslife/living_learning_program/faculty_in_residence or contact Rebecca Bahe, residence life assistant director of leadership and community development, at rebecca.bahe@ndsu.edu or 1-6255. The application is available at www.ndsu.edu/fileadmin/reslife/Faculty_in_Residence_Application_2012-WEB.pdf.

NDSU researchers meet with officials about oil issues

Researchers from NDSU's Upper Great Plains Transportation Institute traveled with leaders from state agencies to hold working meetings with county and city officials in western North Dakota Jan. 11-24.

Gov. Jack Dalrymple directed state agencies to hold the meetings with the goal of creating a greater understanding of the region's oil impacts, coordinating local and state responses and to provide updates on state efforts to help meet the region's needs. The series of meetings was coordinated by the N.D. Department of Commerce.

In addition to Upper Great Plains Transportation Institute researchers Darcy Rosendahl, Alan Dybing and Tim Horner, participants included local officials and representatives from the Department of Commerce, Housing and Finance Agency; Department of Transportation; Department of Trust Lands; State Water Commission; State Health Department; and Highway Patrol. Meetings were held in Williston, Stanley, Tioga, Crosby, Bowbells, Mohall, Bottineau, Minot, New Town, Watford City, Killdeer, Dickinson, New England and Bowman. Additional meetings are being planned for other western North Dakota communities.

The state has appropriated \$1.2 billion to rebuild and repair roads in oil country, support the development of residential housing, enhance emergency medical services and address other oil impacts. The state's 20-year strategic transportation plan sets the parameters for state road improvements throughout North Dakota. The Upper Great Plains Transportation Institute has augmented the statewide plan with a study of road conditions in oil and gas counties. At the direction of the North Dakota Legislature, the institute is updating the initial plan and will provide more in-depth information to policymakers.

NDSU Saddle and Sirloin Club hosts 86th Little International



Students showing livestock during Little International

NDSU and the Saddle and Sirloin Club hosted the 86th Little International Livestock Contest Feb. 10-11 on the NDSU campus. During the event, Keith D. Bjerke was recognized as the Agriculturalist of the Year.

The theme for this year's Little International was "Agriculture in Action." It is the largest student-run agricultural event in the state, with more than 200 members and 28 student-led committees helping to organize the longstanding tradition.

The two-day event featured a variety of contests and the annual Dance in the Chips. FFA students and 4-H members competed in livestock competitions and NDSU students participated in showmanship contests, including beef, equine, sheep and swine. A public speaking competition and ham-curing contest also were held. The events took place in Shepard Arena, the NDSU Horse Park, Bison Sports Arena and Memorial Union.

"For students involved in agriculture, the Little International is an imperative part of our collegiate career," said Jessie Topp, a senior in agricultural communications from Grace City, N.D., who was selected queen for the event. "Being involved in Saddle and Sirloin has given me the opportunity to network with other students who share the same passion for agriculture and work together to put on an event that highlights our industry. The Little International is my way of taking an active role in giving our industry a voice."

Eric Berg, Saddle and Sirloin adviser and professor of animal science, said, "Obtaining a bachelor of science degree goes beyond the walls of the classroom. Communication, team building and leadership skills are something that every employer is looking for, yet these skills are very hard to teach in a conventional classroom. The students involved with Little I learn the importance of cooperation and organization."

Bjerke was honored for his lifetime achievements at the Hall of Fame banquet Feb. 10 at the Ramada Plaza Suites and Convention Center in Fargo.

A native of Northwood, N.D., Bjerke graduated from NDSU in 1961, earning a Bachelor of Science degree in animal husbandry. For 25 years, he and his wife, Marian, owned and operated Spruce Row Farm near Northwood. He was the charter president of the North Dakota Pork Producers Council in 1971.

In 1989, Bjerke moved to Washington, D.C., to serve as administrator for the Agricultural Stabilization and Conservation Service. He was also the executive vice president of the Commodity Credit Corp. Through these positions, he held responsibilities for the delivery of national farm programs in 50 states and Puerto Rico, consisting of 2,776 county offices, more than 38,000 employees and \$30 billion of borrowing authority. From 2001-11, Bjerke served as the vice president for University Relations at NDSU, where his duties included university relations, legislative affairs, publication services and community and corporate outreach.

According to Saddle and Sirloin, Bjerke's efforts have impacted thousands of students and the future of agriculture. He was recognized as a "tremendous advocate and lobbyist for the agriculture industry in North Dakota and across the country."

Bjerke and his wife, Marian, live in Casselton, N.D., and have three daughters (Cari, Patricia and Deborah), one son (Christopher), eight grandsons and two granddaughters.

This year's show manager was Kelcey Holm of Ellendale, N.D. Nick Austin of Westhope, N.D., was the assistant manager.

For more information, visit www.ndsusaddleandsirloin.com.

Architecture students display projects at ND Museum of Art



NDSU architecture students display their design proposals for the North Dakota Museum of Art's new residence live-in-studios.

Third-year architecture students will display sketches and models at the North Dakota Museum of Art in Grand Forks, N.D., through March 20. The exhibit is titled "McCanna House Studies: Explorations of Studios and Living Spaces by NDSU Architecture Students."

Last fall, 19 students traveled to McCanna, N.D., to visit the site of the museum's newest venture, the McCanna House. Margery McCanna Jennison willed her ancestral home to the museum to develop as an artist-in-residence colony. Situated on 10 acres 35 miles west of Grand Forks, the 1920 French-style country house was built by Joseph Bell DeRemer, one of the region's first architects. The students were charged with designing combination studio and living spaces for visiting artists. The studios would be nestled into the shelterbelt surrounding the farmstead.

During the semester, the students explored, researched and created sketches and models of proposed artist-in-residence live-in studios for the house. They then presented their work as their final project. The students' proposals were unveiled to the public during an opening reception Feb. 12 at the North Dakota Museum of Art.

Regin Schwaen, associate professor of architecture, was eager to get his students involved in the projects. "As an architect and a teacher in architecture I was very happy to be able to create a task within the academic realm with focus on different arts. Together with North Dakota Museum of Art we decided to have students from third year at NDSU create separate cabins for a musician, a writer, a sculptor, and a painter. Most students had never before thought in those dimensions, to design rooms for the arts."

Student Brittany L. Taplin enjoyed working on the project. "I loved this project. For a typical studio project, we have a real site, but the client is usually imaginary. In this case, we had a real client, Laurel, who we could talk to and ask specific questions. She could describe to us what she envisioned. It is also nice to know that our project could be inspiration for the architect who will be hired to ultimately design the final artist-in-residence spaces."

The museum is located at 261 Centennial Drive. The museum hours are weekdays from 9 a.m. to 5 p.m. and weekends from 1 p.m. to 5 p.m. There is no general admission, however there is a suggested donation of \$5 from adults and change from children. For more information, call 701-777-4195 or visit www.ndmoa.com.

Student-run 800 Café opens

The 800 Café will kick off its spring menu lineup with a Greek-themed lunch on Tuesday, Feb. 21, and Thursday, Feb. 23, in the Family Life Center, room 312. Seating times are between 11 a.m. and 12:15 p.m.

The meal will begin with an appetizer of fresh baked seeded, parmesan flatbread with roasted red pepper hummus and Tzatziki sauce. The main entrée is an apple feta chicken salad garnished with avocado and dried cranberries alongside a parsley vinaigrette dressing. The meal will conclude with frozen vanilla yogurt with dark chocolate curls garnished with a fresh raspberry. NDSU dietetics students Leah Roethel and Jenny Reemtsma and their classmates manage the meal.

Also, a special lunch in celebration of St. Patrick's Day is planned for Tuesday, Feb. 28, and Thursday, March 1. The meal includes three courses starting with a mandarin spinach salad with citrus vinaigrette. The main course is sautéed chicken with rosemary mushroom sauce, creamed peas and parsley buttered baby red potatoes. For dessert, a homemade strawberry-kiwi frozen yogurt garnished with a fresh kiwi slice will be served. Student managers will be Alycia Woodard and Amanda Stumpf.

The 800 Café will serve lunch in the Family Life Center room 312 every Tuesday and Thursday until May 3. Students from College of Human Development and Education in the health, nutrition, and exercise sciences dietetics program prepare the meals. The meals also are served and managed by these students. The menu is different each week and can be found at www.ndsu.edu/hnes/program_contact_information/departments_restaurant_800_cafe/#c146917.

The meals are \$8 each. Four-meal punch cards are available for \$30. Beverages are included and no tipping is allowed. Payments can be made by cash or check.

Parking is available in the visitor's lot on campus. Walk-ins are welcome, but reservations are encouraged. To make reservations, call 1-7487 or email ronda.klubben@ndsu.edu.

The class instructor is Sherri Nordstrom Stastny, assistant professor of health, nutrition and exercise sciences.

Saddle and Sirloin Club attends national convention

Seven members of NDSU's Saddle and Sirloin Club and adviser Jim Kirsch attended the National Block and Bridle Convention in Murfreesboro, Tenn., from Jan. 31 to Feb. 2.

The club placed first in the scrapbook competition for the third consecutive year. NDSU also placed third in the chapter yearbook competition with the Little "I" catalog from 2011 and third in the chapter activities report. While in Murfreesboro, the NDSU group also attended the National Cattlemen's Beef Association meeting and trade show.

The national Block and Bridle organization is comprised of 95 university and collegiate clubs from across the United States. Thirty-five chapters, 435 members, were in attendance at the convention in Murfreesboro.

Students win bronze in basketball/physics competition

Three NDSU physics students received the equivalent of a bronze medal in the international University Physics Competition. The students had just 48 hours to solve a physics problem involving three-point shooting in Olympic basketball, using mathematics and physics to determine what initial ball velocities and spins will result in a successful shot from the three-point line, using international basketball rules. Senior physics majors Marne Johnson from Rugby, N.D., and Brandon Johnson, from Hazen, N.D., and Ahis Shrestha, a junior in physics and mathematics from Nepal, dedicated a weekend to crunching numbers and formulating calculations for the contest.

It is the first time NDSU students participated in the competition since it began two years ago. During the contest, students work in teams of three at their home colleges and universities around the globe, analyzing a real-world scenario using the principles of physics and submitting a formal paper about their work.

Sylvio May, associate professor of physics at NDSU, said the competition was a good fit, since the problem was an application of classical mechanics, a class which all three of the students studied in fall semester. "I hope they like the intellectual challenge and the opportunity to work as a team on a problem that has no simple solution," May said.

The students spent most of a weekend in November doing calculations, covering everything from a three-point shot with nothing but net, to rim shot, bank shot, spin or no spin on the ball.

The NDSU physics team was among 77 teams from around the world, including China, Singapore, Mexico and the United Kingdom, that competed in the challenge. Of those competing, 3 percent of the teams were ranked as Gold Medal Winners, 18 percent were ranked as Silver Medal Winners, and 27 percent were ranked as Bronze Medal Winners for their work. The American Physical Society and the American Astronomical Society sponsored the competition.

The three NDSU students don't think their fascination with physics will end anytime soon. "Most behavior that we observe in the physical world can be described in terms of physics, whether it may be shooting a basketball, launching a rocket, ripples on a lake or motion of a planet," Shrestha said. Both Marne and Brandon plan to attend graduate school and Shrestha also plans to pursue graduate studies in mathematical physics and work on scientific research.

Go to www.uphysicsc.com for more information about the competition.

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. The action plan form recently was revised, so make sure to link to the template on this 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 or 1-7890, by March 9.

Battle of the Cents-es penny drive raises more than \$1,400

A highly successful second annual penny war between two student groups has raised more than \$1,400 for two charities.

For five days, Feb. 6-10, the Pharmacy, Nursing, and Allied Sciences Ambassadors collected money for Cullen Children's Foundation, while the College of Engineering and Architecture Ambassadors raised funds for the Minot State University Flood Families Fund. In the Battle of the Cents-es competition, coins were considered positive scores, while cash bills were counted against an organization's numbers.

When the dust cleared, the Engineering and Architecture Ambassadors defeated the Pharmacy, Nursing, and Allied Sciences Ambassadors.

Minot State University Flood Families Fund will receive \$755.11 and Cullen Children's Foundation will receive \$695.95. This year's combined total of \$1,451.06 is nearly \$200 more than last year's combined total.

"It is remarkable to see a combined total of over \$1,400 raised for the two charities. The rewards from this friendly competition are that the student ambassadors from the two colleges get to interact with each other while making a difference for those in need," said Joel Hanson, director of the Student Support Center in the College of Engineering and Architecture. "Thank you to the entire campus community for making this year's penny war a success."

Dana Davis, director of recruitment for the College of Pharmacy, Nursing, and Allied Sciences, reflected a similar feeling. "It really is neat to see how quickly pocket change can add up and in turn make a great impact. Both of the charities benefitted, but so did our students," Davis said. "The Battle of the Cents-es has become a fun tradition and is something that I hope stands out when our students look back on their college experience at NDSU."

2012-13 Staff Senate scholarships available

NDSU Staff Senate is offering scholarships to eligible NDSU broadbanded staff, children of broadbanded staff and undergraduate students who have not earned a bachelor's degree. The application deadline for the scholarships is Friday, April 6. Recipients will be announced prior to the 2012 fall semester.

Broadbanded Staff Senate Scholarship, \$100 – The applicant must have:

- Finished a full year of employment at NDSU by April 6.
- Current employment at NDSU as a broadbanded employee
- Current enrollment at NDSU of three or more undergraduate credits or two graduate credits at the time of application and disbursement of award
- Earned a minimum of nine undergraduate or six graduate credits at NDSU
- Earned a 2.5 cumulative grade-point average or higher

Children of Broadbanded Staff Senate Scholarship, \$500 maximum (dispersal of funds will be in equal installments at the beginning of fall and spring semesters) – The applicant must have:

- A parent who has completed one year of employment at NDSU by April 6 and is employed as a broadbanded employee
- Enrolled as an undergraduate student with a minimum of six credits per semester at the time of application and disbursement
- Not earned a bachelor's degree
- Earned a minimum of 15 credits at NDSU by April 6
- Earned a 2.5 grade-point average or higher

General Undergraduate Staff Senate Scholarship, \$500 maximum (dispersal of funds will be in equal installments at the beginning of fall and spring semesters) – The applicant must have:

- Full-time enrollment as an undergraduate student per NDSU guidelines at the time of application and disbursement
- Not earned a bachelor's degree
- Earned a minimum of 30 credits at NDSU by April 6
- Earned a 2.5 cumulative grade-point average or higher

Applications are available in the Office of Student Financial Services, Ceres 202, or online at www.ndsu.edu/staff_senate. For more information, contact Matt Chaussee at 1-8986 or matthew.chaussee@ndsu.edu.

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. The NDSU Development Foundation will notify applicants of funding decisions prior to March 30.

NDSU voicemail system to be updated

The Audix voicemail system used at NDSU for more than 15 years will be updated to Avaya's new, more robust Aura messaging system on Friday, Feb. 17, at 5 p.m.

The Aura system will allow users to manage their voicemail with the same simplified commands used in most cellular voicemail systems (e.g., press 1 to get messages, 7 to delete, 9 to save). The system also will have unified communications options to automatically forward voicemail to an email account in audio format, send notifications via text messaging when voicemail has been received and forward calls to up to three additional phone numbers. The option to translate voicemail into text emails will be added to the system in the near future.

Departmental telephone administrators have received training and documentation to assist with setup and help users become familiar with the new system. Current voicemail users should check for unheard voicemail messages prior to 5 p.m. on Feb. 17, as these messages will not be moved to the new system.

Users are encouraged to contact their respective departmental telephone administrators or the Telecommunications and Emergency Support Technologies department at 1-8401 for more information about this update.

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.

NDSU Music hosts jazz festival

NDSU Music welcomed jazz musicians James Miley and Eric Richards as guest performers and adjudicators at the annual High School Invitational Jazz Festival Feb. 10-11. Under the direction of Kyle Mack, the Jazz Festival featured 21 regional high school jazz ensembles that worked with the guest artists throughout the weekend and participated in a concert on Feb. 11 in Festival Concert Hall.

Miley is a composer and jazz pianist who received the prestigious International Association for Jazz Education/American Society of Composers, Authors and Publishers Gil Evans Fellowship in Jazz Composition. He has been a featured composer at the International Jazz composers Symposium in Tampa, Fla., and made his Carnegie Hall debut in 2006. His work has been commissioned by many university and high school big bands and he has appeared as guest composer at numerous festivals throughout the country.

Richards is an assistant professor of composition and jazz studies at the University of Nebraska-Lincoln School of Music. He is a composer/arranger, conductor, trombonist and educator active in a variety of musical media and styles. Richards was chosen in 2006 from a select group of composers to present an original work for jazz orchestra at the inaugural International Jazz Composition Symposium at the University of South Florida.

NDSU Phi Kappa Phi nominations sought

The NDSU Chapter of Phi Kappa Phi is seeking faculty, staff or administrator nominations for membership in the Phi Kappa Phi National Honor Society. Phi Kappa Phi is the largest academic honor society that recognizes and promotes academic excellence in all fields of higher education. The goal of the NDSU Chapter is to increase visibility and recognition of individuals at NDSU whose accomplishments are in keeping with this purpose.

Students, faculty and staff can make nominations. Nominees should have achieved distinction in their field, show interest and be willing to participate in the chapter and been in residence at NDSU for a minimum of three years. To nominate an individual, submit a letter of nomination outlining the scholastic record and/or outstanding achievements that have rendered the nominee worthy of membership. A brief resume should accompany the letter.

Send the letter and resume to Anita Welch no later than Friday, March 30. Nominations can be dropped off at the Family Life Center room 210K or sent to anita.welch@ndsu.edu. Be sure to provide local contact information for the nominee including email address. Following a review of the nominations, Phi Kappa Phi will contact nominees who have been selected for induction. The induction is scheduled to take place at the Phi Kappa Phi banquet on April 11 at 5 p.m.

If you have questions, contact Anita Welch at 1-5498 or anita.welch@ndsu.edu or Rhonda Kitch at 1-7987 or rhonda.k.kitch@ndsu.edu.

NDSU students recognized at chemistry competition

NDSU chemistry students were recognized at the recent American Chemical Society Red River Valley Section's Young Investigator Awards competition held Feb. 4 at Mayville State University.

According to section chair Matthew Picklo, first place in the Postdoctoral Section went to Michael Mayo, an NDSU postdoctoral research fellow working under the direction of Svetlana Kilina, assistant professor of chemistry and biochemistry. Mayo received a \$400 prize.

In the Graduate Student Section, Ivan Hevus of the Department of Coatings and Polymeric Materials received \$400 for first place. Two other NDSU graduate students, Ryan Schwiderski and Michael Mulholland, each received \$100 for second place. Mulholland and Schwiderski both work under the director of Seth Rasmussen, associate professor of chemistry and biochemistry.

"The Young Investigators Award competition has been a great opportunity for our outstanding postdoctoral fellows and graduate students to share their research, hone their presentation skills and compete with their peers for funding to support their travel to the national ACS meeting," said Dean Webster, professor and chair of coatings and polymeric materials. "The award winners from NDSU are to be commended for their outstanding effort among a competitive field."

NDSU Music hosts choral directors conference

NDSU Music and Michael Weber, associate director of choral activities, hosted the North Dakota American Choral Directors Association Annual Conference Feb. 3-4.

Weber is president-elect for the association and organized this year's event to include several honor choirs, two formal concerts, interest sessions and exhibits. The event brought together 300 singers and 75 teachers and college students.

Weber also served as adjudicator for Central Minnesota High Schools at the Minnesota State High School League's choral competition in Alexandria, Minn. on Jan. 25. High schools from Brainerd, Alexandria, Willmar and Sauk Rapids attended the competition.

Cooperative Sponsorship Committee proposals requested

The Cooperative Sponsorship Committee invites departments and colleges to submit funding requests for the 2011-12 academic year.

The committee was established to help departments and colleges bring guest lecturers and artists to campus. It promotes joint sponsorship of a range of lectures and related public events on timely topics for NDSU and the Tri-College community.

All requests should be submitted via the committee website. Complete request guidelines and the request form are available at www.ndsu.nodak.edu/csc.

In previous years, all funds have been allocated during the fall semester. Funds available after March 1 will be allocated at the committee's discretion on a first-come, first-served basis. To ensure maximum use of limited available funds, the committee suggests joint departmental and inter-college program sponsorship.

The Cooperative Sponsorship Committee members include:

- Glenn Dorsam, chair, glenn.dorsam@ndsu.edu, College of Science and Mathematics
- Bahman Bahrami, bahman.bahrami@ndsu.edu, College of Business Administration
- Carla Gross, carla.gross@ndsu.edu, College of Pharmacy, Nursing, and Allied Sciences
- Janna Stoskopf, janna.stoskopf@ndsu.edu, director, Memorial Union
- Cindy Urness, cindy.urness@ndsu.edu, College of Engineering and Architecture
- Juan M. Osorno, juan.osorno@ndsu.edu, College of Agriculture, Food Systems, and Natural Resources

DIVERSITY

Diversity Initiatives Grants now available

The Division of Equity, Diversity and Global Outreach announces the availability of Diversity Initiative Grants to provide financial assistance to NDSU groups, student organizations, departments or other related entities working to promote diversity. Grants up to \$500 will help to support events, services and initiatives that are available for NDSU faculty, staff and students. Details are available at www.ndsu.edu/diversity/ndsu_diversity_initiatives_grant.

Grant proposals will be accepted year round and evaluated on a case-by-case basis. For additional information, contact Kara Gravley-Stack, director of diversity initiatives, at kara.gravley-stack@ndsu.edu or 1-7091.

RESEARCH

Animal sciences faculty receive grant to study ovarian function



Grazul-Bilska

The U.S. Department of Agriculture's National Institute of Food and Agriculture has awarded animal sciences faculty members Anna Grazul-Bilska and Dale Redmer a \$393,108 grant to research the role of an important regulator of blood vessel function in the ovary. Their project is titled "The role of nitric oxide (NO) system in ovarian function."



Redmer

A goal of the three-year grant is to enhance ovarian function in normal and nutritionally compromised females in order to obtain healthy eggs (oocytes), embryos and offspring. The nitric oxide system is one of the major regulators of blood vessel growth and function; therefore, it regulates delivery and outflow of nutrients, hormones and/or other regulatory factors to and from ovaries.

During the project, this system will be modified with a specific amino acid (arginine) that is a precursor for nitric oxide formation. The study will help determine if ovarian function can be altered through arginine supplementation to improve fertility in compromised females. Results from the research will address problems in both agricultural production practices and human health.

Researchers develop antennaless radio frequency identification tag



Developed at NDSU's Center for Nanoscale Science and Engineering, high-permeability materials divert current into the antennaless RFID tag's integrated circuit. Tags using high-permeability materials in such a way are significantly thinner than those developed using other methods.

Tracking and identifying metal objects can prove difficult for some radio frequency identification systems. A patent-pending technology developed by a research team at the Center for Nanoscale Science and Engineering at NDSU could solve these tracking problems. The antennaless radio frequency identification tag developed at the center could help companies track products as varied as barrels of oil to metal cargo containers.

A typical radio frequency identification tag is made up of an integrated circuit and an antenna. While there are different types of tags available, many don't work well on metal objects or on containers filled with liquid. Previous attempts to solve this problem have resulted in bulky tags that are easily destroyed by routine handling. Researchers at the NDSU Center for Nanoscale Science and Engineering have developed a patent-pending novel approach, with an antennaless radio frequency identification tag, allowing for an inexpensive and manufacturable product tracking solution that meets EPCglobal® Standards.

The center's research team includes Cherish Bauer-Reich, research engineer; Michael Reich, senior research engineer; and undergraduate electrical engineering student Layne Berge. The group's research will be presented at the 2012 IEEE International Workshop on Antenna Technology scheduled March 5-7, in Tucson, Ariz., with presenters from more than 15 countries expected to participate in the event. The research presentation titled "Low-profile, high-permeability antennaless RFID tags for use on metal objects" is scheduled for March 5.

"Most RFID tags that are to be used on metal objects are made by placing an antenna on a spacer, making them between 0.5 and 3 cm thick, depending on the type of tag," Bauer-Reich said. Such tags can be easily damaged because they stick out so far. The tags developed by NDSU CNSE are less than 3 millimeters thick and are placed directly on the metal, or could be recessed into the surface of a metal container.

"The tags we've developed actually use the metal container as an antenna, rather than having to make and place another antenna on top of the container," Bauer-Reich said. "Many types of tags have to be spaced away from metal, since it changes the electromagnetic fields around the tags and destroys their ability to

communicate. These tags, however, use the metal container as the antenna to transmit information. Because of this unique property, these tags can be used to tag anything from coffee cans at a grocery store to barrels of oil or metal cargo containers, with minimal concern about losing or damaging the tag."

High-permeability materials divert current into the tag's integrated circuit. Tags using high-permeability materials in such a way are significantly thinner than those developed using other methods.

The antennaless radio frequency identification tag technology developed at NDSU Center for Nanoscale Science and Engineering was developed with support under Grant Number N00189-10-C-Z055, awarded by the U.S. Department of Defense, Office of Naval Research.

The patent-pending technology is available for licensing/partnering opportunities through the NDSU Research Foundation.

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 NDSU Development Foundation's website, www.ndsufoundation.com/grants.htm. The application deadline is Feb. 29. The foundation will notify applicants of funding decisions prior to March 30.

NDSU partners on \$1 million energy beet development project

A project that will develop an advanced biofuel from energy beets and provide growers across North Dakota with a new industrial crop is taking another step forward, fueled by a two-year North Dakota Renewable Energy Council grant.

Cole Gustafson, chair of NDSU's Department of Agribusiness and Applied Economics, said the project "is truly a public-private partnership between Fargo-based Green Vision Group and Muscatine, Iowa-based Heartland Renewable Energy, with research by NDSU to develop North Dakota's energy beet biofuel industry." NDSU's Department of Agriculture and Bio-Systems Engineering and the Carrington Research Extension Center will continue to provide research for the project.

The \$1 million phase II project includes \$500,000 in funds from the North Dakota Renewable Energy Council, which was approved by the Industrial Commission, plus cash match funds from industry partners, Betaseed and Syngenta, and in-kind contributions.

The project seeks to establish a United States Department of Agriculture/Risk Management Agency multi-peril crop insurance program for energy beets; engineer and evaluate new front-end energy beet processing methods; expand regional energy beet research trials; scale up whole energy beet and juice storage technology to enable year-round processing; and inform producers, community developers and the biofuel industry of the emerging opportunity.

"We envision developing at least 12 sustainable ethanol facilities across North Dakota," said Maynard Helgaas, president of Green Vision Group. "Each plant will use energy beets grown within a 20-mile radius and support job creation in rural communities. This grant will help us make significant progress toward that vision and help develop North Dakota's energy beet biofuel industry."

Green Vision Group is in the process of selecting the location for its first processing facility, which is expected to produce 20 million gallons of ethanol per year once complete.

The first phase of the energy beet project was focused on research, including yield trials, storage research and commercially testing the use of a co-product to provide processing heat. Current yield trials are located in Dazey/Hannafor, Turtle Lake, Langdon, Minot, Williston, Carrington and Oakes, and 2012 trial plots will expand to include Jamestown, Harvey, Litchville and Colgate. The yield trials will continue to be sponsored by Betaseed and Syngenta.

The plot trial research results in phase I exceeded expectations, said Blaine Schatz, director of the NDSU Carrington Research Extension Center.

"Our research so far shows that energy beets can be grown successfully outside of the Red River Valley in a variety of soil types and conditions," Schatz said. "The beets actually help growers improve their soil health, in addition to giving them greater farm income."

Ethanol produced from energy beets can be sold at a premium, Gustafson said. "We expect the energy beet ethanol will produce 50 to 60 percent less greenhouse gas emissions than petroleum-based fuels, which will designate it as an advanced biofuel," he said. "We are working to finalize the lifecycle analysis of energy beets through a formal Environmental Protection Agency application.

Securing EPA approval of energy beets as an advanced biofuel will mean a significant premium for producers and processors in the sugar-based ethanol market."

The lifecycle analysis research is funded in part by a separate grant from the North Dakota Agricultural Products Utilization Commission and community donations. "North Dakota farmers, processors and rural communities should see positive financial returns by growing and processing energy beets for biofuel," Gustafson said.

Water Resources Research Institute announces fellowship recipients

The North Dakota Water Resources Research Institute announced its Graduate Research Fellowship recipients for the year 2012-13. Fellowships ranging from \$2,000 to \$10,000 were awarded to 13 graduate students, including 10 doctoral and three master's degree students, conducting research in water resources topics at NDSU and the University of North Dakota.

A panel of state water resource professionals reviews the competitive proposals and selects Fellows and award amounts based on the quality of proposals and the priority of the proposed projects for the state and/or region. The proposals are prepared by the students with guidance of their advisers. Regional, state or local collaboration or co-funding is encouraged. Fellowships have a matching requirement of two non-federal dollars to one federal dollar. The general criteria used for proposal evaluation include: scientific merit, originality of research, research related to state and/or region and extent of regional, state or local collaboration and/or co-funding.

Funding for the Fellowship program comes primarily from the annual base grant provided to the Water Resources Research Institute by the U.S. Geological Survey and an additional support of 15 percent of the base grant comes from the North Dakota State Water Commission. The N.D. Water Resources Research Institute is one of 54 institutes each located at a land-grant institution in each state and territory under the umbrella of National Institutes for Water Resources.

For information, contact N.D. Water Resources Research Institute director, G. Padmanabhan, professor of civil engineering, at 1-7043 or g.padmanabhan@ndsu.edu or visit the institute's website at www.ndsu.edu/wrri.

The 2012-13 Fellows, their advisers and fellowship research projects are:

- Alex Stalboerger, Fellow, biological sciences; Marinus Otte, adviser; "Tile drain water: identification of sources and quality improvement by a constructed wetland"
- Anusha Balangoda, environmental and conservation sciences; Wei Lin; "Studies of Seasonal Succession of Cyanobacteria and Green algae at Heinrich-Martin Impoundment, North Dakota"
- Atikur Rahman, agriculture and biosystems engineering; Shafiqur Rahman; "Vegetative Filter Strips: A Best Management Practice for feedlot runoff pollution control in North Dakota"

- Hasin Shahad Munna, civil engineering (UND); Howe Lim; “Advancing Hydrologic Simulations and Flood Frequency Analysis of Devils Lake under Climate Change Scenarios”
- Jun Yang, civil engineering; Xuefeng Chu; “Toward Understanding the Hydrologic Processes on Topographic Surfaces with Depressions – Development of a Physical-based Distributed Puddle-to-Puddle (P2P) Hydrologic Model”
- Justin Fisher, biological sciences; Craig Stockwell; “Integrating Life Stage Habitat into Landscape Genetics Model for the Conservation of a Declining Amphibian Species”
- Kate Overmoe-Kenninger, earth science system and policy (UND); Xiaodong Zhang; “Assessment of Water Quality in Devils Lake Using Satellite Imagery”
- Katrin Chambers, soil science; Francis Casey; “Quantifying Estrogens Bound to Soil and Manure Colloids and Assessing Their Bioavailability”
- Leslie Storlie, civil engineering; Wei Lin; “Investigation of Bromate Formation in Ozone Disinfection Systems through Comprehensive Sampling, Water Quality Analysis, and Model Simulation”
- Michael Quamme, civil engineering; Achintya Bezbaruah; “Selenium Removal from Surface and Groundwater Using Iron Nanoparticles”
- Tanush Wadhawan, civil engineering; Eakalak Khan and John McEvoy; “Role of Agricultural Drainage on Transport of Cryptosporidium Oocysts in North Dakota”
- Veselina Valkov, civil engineering; Wei Lin; “Temporal-spatial Distribution (dynamics) of Phytoplankton and Diversity in Relation to Lake Physical and Chemical Condition”
- Xuelian Bai, soil science; Francis Casey; “Sorption, Degradation, and Mobility of 17b-Estradiol-17-Sulfate in Agricultural Soils”

Faculty receive grant to conduct research in Kenya



Secor-Turner

Molly Secor-Turner, assistant professor of nursing, and Brandy Randall, associate professor of human development and family science, received funding from the Society for Research on Adolescence Innovative Small Grants program to conduct research in Kenya.



Randall

The grant will explore the social and cultural context of risk and protective factors related to adolescent health among rural Kenyan adolescents.

PEOPLE

Transportation analyst earns designation



Lee

EunSu Lee, transportation analyst with the Upper Great Plains Transportation Institute, was recognized as an American Production and Inventory Control Society Certified Supply Chain Professional.

As a transportation analyst, Lee contributes to several institute projects that focus on statewide transportation planning. His specialties in spatial analysis and supply chain management are especially useful while projecting oil traffic in North Dakota. Lee also works on agricultural transportation projects that analyze grain movement by rail, truck and waterways. He also enjoys using humanitarian logistics to improve the lives of North Dakotans through analysis of ambulance service coverage and emergency services accessibility in rural areas. On a larger scale, Lee studies and analyzes international containerized freight movement, focusing on container imports and exports of the United States. An NDSU alumnus, Lee also teaches a graduate-level course, Spatial Analysis in Transportation.

Introduced in 2005, the American Production and Inventory Control Society Certified Supply Chain Professional program takes a broad view of the supply chain field, extending beyond internal operations to encompass all the steps throughout the supply chain — from the supplier, through the company, to the end consumer — and provides the candidate with knowledge to effectively manage the integration of these activities to maximize a company’s value chain. To qualify for the designation, a candidate must complete a rigorous course of study and a comprehensive examination.

Associate professor wins Best of Show at international exhibition



Kapplinger

Kent Kapplinger, associate professor of visual arts, was awarded Best of Show for his piece “27000 Wells” in Americas 2012: Paperworks, an annual international juried exhibition at the Northwest Art Center in Minot, N.D. A lithograph titled “North Dakota Slant” also was accepted into the exhibition. This year, 180 artists submitted works from around the world with

a total of 552 works for consideration. Kapplinger’s work was among 56 selected for the exhibition by juror Michael Barnes, a printmaker and professor at Northern Illinois University in DeKalb.

As Best of Show recipient, Kapplinger will receive a solo exhibition next year with an accompanying honorarium, plus the selected work will become part of the center’s permanent collection.

Extension Service irrigation specialist receives award



Scherer

Tom Scherer, NDSU Extension Service irrigation specialist, received the Irrigation Excellence Award from the North Dakota Irrigation Association.

The association recognized him for his leadership and outstanding service in the advancement of the irrigation industry.

Scherer is an Extension agricultural engineer with expertise in irrigation and water quality. He also is an associate professor in the Department of Agricultural and Biosystems Engineering.

He received the award at the North Dakota Irrigation Association's annual meeting in Bismarck in December.

"Being selected to receive the Irrigation Excellence Award took me by surprise," Scherer said. "But I am very grateful. It's always nice when people think highly of you and the work you've done."

Staff member named to technical assistance steering committee

Upper Great Plains Transportation Institute staff member Denise Brown has been named to the steering committee of the National Local Technical Assistance Program/Tribal Technical Assistance Program Clearinghouse.

The clearinghouse provides support to the National Local Technical Assistance Program/Tribal Technical Assistance Program, a network of 58 centers funded by the Federal Highway Administration that serves every state, Puerto Rico and tribal governments. The centers enable local counties, parishes, townships, cities and towns to improve their roads and bridges by supplying them with a variety of training programs, an information clearinghouse, new and existing technology updates, personalized technical assistance and newsletters. Brown is an administrative assistant at Upper Great Plains Transportation Institute in Bismarck, which operates North Dakota's Local Technical Assistance Program center.

The steering committee ensures the clearinghouse develops services that meet the needs of the centers and the national program community in accordance with the national strategic plan.

Members of the Clearinghouse Steering Committee, comprised of Local Technical Assistance Program/Tribal Technical Assistance Program representatives, are a liaison between Federal Highway Administration, the Local Technical Assistance Program/Tribal Technical Assistance Program community and the clearinghouse. They provide guidance and feedback on clearinghouse activities.

Student to compete in World University Golf Championships

NDSU's Amy Anderson is one of five golfers who will compete for the United States in the 14th World University Golf Championships during July.

Anderson, a junior from Oxbow, N.D., joins Georgia's Emilie Burger, North Carolina's Catherine O'Donnell, Michigan State's Caroline Powers and Vanderbilt's Lauren Stratton on the team.

The four-round tournament runs July 3-6 at the Ypsilon Golf Resort in Liberec, Czech Republic. It is a 72-hole stroke play format.

This is the second of two international summer events for Anderson. She will play for Team USA in Scotland June 8-10 for the Curtis Cup Match, regarded as the most prestigious event in women's amateur golf.

The World University Golf Championships, sponsored by the International University Sports Federation, are contested every two years. The United States has competed in all of the events since its inception in 1986.

Student-athlete receives Academic All-District honors

NDSU center Janae Burich was named to the Capital One Academic All-District 6 women's basketball first team by vote of district members of the College Sports Information Directors of America.

Burich, a 6-foot-5 junior from Roseville, Minn., advances to the Capital One Academic All-America national ballot. The Capital One Academic All-America team will be announced Feb. 23.

Burich maintains a 4.0 grade-point average majoring in marketing with a minor in biology. She is averaging 9.4 points and 6.7 rebounds per game. Burich is a two-time Summit League Winter/Spring All-Academic selection.

To be eligible for the Capital One Academic All-America honors, student-athletes must have a 3.30 or better cumulative grade-point average, have sophomore athletic standing and be a starter or key reserve for their team.

NDSU alumnus Clausen scores 500th episode of 'The Simpsons'

NDSU alumnus Alf Clausen, BS '63, music director and arranger/composer for television's longest running show, "The Simpsons," scored his 500th episode for the show on Friday, Feb. 3.

Clausen, a native of Jamestown, N.D., and winner of two Emmy awards, has scored music for many well known films and television shows including, "The Naked Gun," "Dragnet," "Ferris Bueller's Day Off," "The Donny and Marie Show" and "Airplane 2: The Sequel."

"The Simpsons" recently surpassed "Gunsmoke" as the longest running show in television history.

View video at www.youtube.com/NDSUFineArts.

EVENTS

F/M Communiversality offers Dakota Project public forum

F/M Communiversality is offering "The Dakota Project: Re-Imagining the State of North Dakota" on Sundays, Feb. 19 and 26, from 1:30 p.m. to 3:30 p.m. at Concordia College in Moorhead, Minn. John Helgeland, professor of history, philosophy and religious studies, and other members of The Dakota Project will lead the course.

The course will address issues such as North Dakota's new wealth and growing population plus concerns for the environment, an upheaval in the infrastructure of western North Dakota and an increased need for medical services. Participants will hear from members of The Dakota Project and have an opportunity to share ideas for "reimagining" North Dakota. The Dakota Project is a group that advocates new voices and new policies in North Dakota, addressing the importance of education, culture and quality of life.

F/M Communiversality 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 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 courses offered by F/M Communiversality or to request a brochure, call 218-299-3438, email communiversality@cord.edu or go to www.fmcommuniversality.org. Brochures also are available in the Free Speech Literature rack in the NDSU Memorial Union.

Ethics panel to discuss economic policy

The upcoming Northern Plains Ethics Institute's spring panel discussion will focus on "The Financial Future of the U.S.A." The economic policy panel discussion is scheduled for Monday, Feb. 20, at 7 p.m. in Beckwith Recital Hall in the Reineke Fine Arts Center.

Scheduled panel members include Carol Rogne, president of DFC Consultants; Howard Dahl, CEO of Amity Technology; Bob Hearne, NDSU associate professor of agribusiness and applied science; and Bill Thomas, director of Prairie Public Radio.

The panel will discuss such topics as the economic prognosis for America's economy, the government's role in regard to economic policy, what changes are required and what should be the role of business in America?

A welcome reception will be held outside Beckwith Recital Hall at 6.30 p.m.

For more information, contact Dennis Cooley at 1-7038 or dennis.cooley@ndsu.edu.

Distance and Continuing Education to offer planning workshop

Distance and Continuing Education will offer a workshop on long-term care planning, the last of four money management workshops, on Feb. 21, from 7 p.m. to 8:30 p.m. in the SGC Building located at 1919 N. University Drive.

The session, presented by certified financial planner Todd Olson, is for individuals interested in learning what long-term care means, levels of ongoing care someone may receive and options available in our community.

For more information, visit <http://ndsu.me/dce1110b>. The session costs \$25. A discount rate is available to bring a friend or spouse for an additional \$10. Register online at <http://ndsu.me/dce1110mm> or call 701-231-7015 or 1-800-726-1724.

Renowned conservation biologist to speak at NDSU seminar

Kurt Fausch, a well-known conservation biologist, is scheduled to conduct a seminar titled "Linked for Life: The importance of sustaining hidden connections for conservation in streams" on Tuesday, Feb. 21, from 2 p.m. to 3 p.m. in the Memorial Union Hidatsa room. The seminar is the second of the annual Distinguished Water Seminar series presented by eminent water professionals on emerging issues, challenges and new research directions in water resources.

Fausch is a professor in the Department of Fish, Wildlife and Conservation Biology at Colorado State University, Fort Collins. He teaches fish conservation biology and a graduate course in community ecology and is active in the graduate degree program in ecology. His collaborative research has taken him worldwide, especially to Hokkaido in northern Japan where he worked with colleagues during a 15-year period. These experiences were chronicled in the documentary film, "RiverWebs," directed and produced by Jeremy Monroe of Freshwaters Illustrated, which has been broadcast to more than 100 million homes nationwide by the Public Broadcasting Service. He has received several awards for his research and outreach, including the first International Fisheries Science Prize from the World Council of Fisheries Societies in 2008 and Award of Excellence from the American Fisheries Society in 2010. He serves on the Independent Science Advisory Board of the Northwest Power and Conservation Council, which advises managers of the Columbia River about fish and wildlife conservation. Fausch is writing a book with the goal of engaging the public in understanding the interconnections between streams and rivers and their landscapes, and the importance of conserving these ecosystems.

All interested faculty and students are welcome to attend the seminar and participate in discussions with Fausch after the seminar. The annual seminar series is sponsored by the North Dakota Water Resources Research Institute and this year's co-sponsors, NDSU's environmental conservation sciences graduate program, civil engineering department, agricultural and biological engineering program and the School of Natural Resource Sciences.

For more information, contact G. Padmanabhan at g.padmanabhan@ndsu.edu or 1-7043, Craig Stockwell at craig.stockwell@ndsu.edu or 1-8449 or Xuefeng Chu at xuefeng.chu@ndsu.edu or 1-9758.

Distance and Continuing Education schedules training

NDSU Distance and Continuing Education is scheduled to host an Atomic Learning training session on Feb. 22 from 1 p.m. to 2 p.m. in the SGC building located at 1919 N. University Drive. The session aims to help faculty and staff gain a better understanding of what Atomic Learning has to offer, learn how to use it and answer questions.

Departments can schedule a customized training session time by contacting Lisa McNamara at lisa.mcnamara@ndsu.edu.

Check out Atomic Learning anytime by visiting <https://apps.ndsu.edu/cas/hurderos/login?service=https://secure2.atomiclearning.com/sso/cas/ndsu>.

Register for the session at https://epayment.ndus.nodak.edu/C22800_ustores/web/product_detail.jsp?PRODUCTID=3697&SINGLESTORE=true.

Reception to introduce new NDSU librarians

The NDSU Libraries will host a reception on Wednesday, Feb. 22, to introduce the two newest librarians – Nicole Mason, agricultural and biological sciences librarian, and Carolyn Mead, physical sciences and engineering librarian. The event is scheduled to take place from 2 p.m. to 4 p.m. in the Main Library Classroom.

Mason earned a master's degree in library and information science from the Graduate School of Library and Information Science at the University of Illinois at Urbana-Champaign. She also earned a bachelor's degree in zoology from Michigan State University. Before moving to Fargo, she lived in Michigan, Colorado, Illinois and Georgia. Prior to working at NDSU, Mason worked at the Illinois Fire Service Institute Library.

As the agricultural and biological sciences librarian, Mason assists NDSU and associated Extension communities with their information needs; with a focus on instruction, general and specialized reference, and development and management of library materials.

Mead completed her master's degree in library and information science at the Graduate School of Library and Information Science at the University of Illinois at Urbana-Champaign. Her bachelor's degree is also from the University of Illinois, where she studied chemistry and molecular and cellular biology. Before attending library school, Mead worked in university research labs in the fields of analytical chemistry and microbiology. Prior to joining NDSU Libraries, Mead worked at Grainger Engineering Library at the University of Illinois.

In her duties as the physical sciences and engineering librarian, Mead serves the information needs of NDSU faculty, students and researchers. She provides specialized and general reference services, participates in library instruction for the fields of physical sciences and engineering, and develops library collections in her subject areas.

FORWARD schedules diversity and complexity presentations

FORWARD has scheduled a series of presentations by guest speaker Scott Page, director of the Center for the Study of Complex Systems and Leonid Hurwicz Collegiate Professor of Complex Systems, Economics and Political Science at the University of Michigan. Page will present the following three sessions on Thursday, Feb. 23:

- 9:30 a.m. to 11 a.m. – Academic administrators workshop, “Expanding Diversity Thinking Within the Academy,” Family Life Center Room of Nations

This will be a working meeting for academic administrators and campus leaders. Registration is requested and can be completed at www.ndsu.edu/forward.

- 11:30 a.m. to 1 p.m. – Pedagogical luncheon for NDSU faculty members, “Speaking Math to Metaphor: The Emerging Sciences of Diversity,” Alumni Center atrium

Page will discuss ideas from his books, “Diversity and Complexity” and “The Difference.” He will focus on various roles diversity plays in creating productive, robust systems and emphasize how common mechanisms apply across multiple fields of inquiry. Registration is requested and can be completed at www.ndsu.edu/forward.

- 3 p.m. to 4 p.m. – Public presentation, “Leveraging Diversity: How We Can Use Our Differences to Improve Our World,” Memorial Union Century Theater

Page will encourage student, faculty, staff and community member attendees to think differently about differences. He will show how differences produce the wisdom of crowds effect and lead to more innovative and productive teams. The event is free. Registration is not required.

In addition to his roles at the University of Michigan, Page is an external faculty member of the Santa Fe Institute and recently was elected to the American Academy of Arts and Sciences. He has published more than 50 papers in a variety of fields including economics, philosophy, physics, public health, political science, computer science and geography. He has written three books on diversity and complexity, and a video course on complexity. He teaches a free online course called Model Thinking that has attracted more than 40,000 students worldwide.

The pedagogical luncheon is sponsored by the Office of the Provost (www.ndsu.edu/provost). Page's visit to NDSU is co-sponsored by NDSU FORWARD (www.ndsu.edu/forward) and by the NDSU School of Graduate and Interdisciplinary Studies (www.ndsu.edu/gradschool).

For more information on these events and to request adjustments or accommodations to make the events more accessible for you, contact FORWARD at ndsu.forward@ndsu.edu or 1-7337.

Department schedules research lecture

The Department of Pharmaceutical Sciences has invited distinguished scientist Ram Mahato to present “Roles of Chemoresistance, cancer stem cells and miRNA in Cancer Treatment” on Thursday, Feb. 23, from 3:15 p.m. to 4:15 p.m. in Sudro Hall room 21. The seminar is open to anyone interested in pharmaceutical and biomedical research. Mahato also will meet with department faculty and graduate students during his visit.

Mahato is a professor of pharmaceutical sciences and biomedical engineering at the University of Tennessee Health Science Center in Memphis. He earned his doctorate in drug delivery from the University of Strathclyde, U.K., and bachelor’s degree from China Pharmaceutical University, Nanjing. He was a research assistant professor at the University of Utah and senior scientist at GeneMedicine Inc. He had postdoctoral fellowships at the University of Southern California, Los Angeles; Washington University, St. Louis; and Kyoto University, Japan.

Mahato has published 85 papers, holds two U.S. patents and has edited or written seven books and nine journal issues. He is a feature editor of *Pharmaceutical Research* and editorial board member of eight journals. He is a Controlled Release Society Fellow (2011); American Association Fellow (2010); permanent member of Bioengineering, Technology and Surgical Sciences/ National Institutes of Health Study section (2009-present); and American Society of Gene and Cell scientific adviser (nonviral vectors, 2006-09).

Mahato applies principles in pharmaceutical sciences in the context of the latest advances in life and material sciences to solve drug delivery problems in therapeutics. Particularly, his research has provided insight into the design of gene delivery and expression systems, factors influencing their biodistribution and gene expression or silencing, role of genetic modification of human islets for improved transplantation, and site specific delivery of oligonucleotides and small interfering ribonucleic acid for treating liver fibrosis and prostate cancer.

For more information on the lecture, contact Jagdish Singh at 1-7943.

February colloquium to focus on secularism and Islamism

NDSU’s Department of History, Philosophy, and Religious Studies February colloquium will feature John Voll’s “Secularism and Islamism in the Arab Spring: New Definitions Needed” on Feb. 24 at 3 p.m. in the Family Life Center room 124.

Voll claims the results of recent elections in Egypt, Tunisia and Morocco showed the surprising strength of Islamically identified political groups and the corresponding weakness of secularist parties. These outcomes reflect important elements in the movements of protest from Yemen to North Africa that have come to be called “The Arab Spring.” A year after the advent of the Arab Spring, it becomes clear that both Islamism and secularism have changed dramatically in recent decades. Secularist regimes became the bastions of authoritarian rule and Islamist groups provided

the most clearly organized opposition to authoritarianism. In the creation of the new political systems of 2012, the new styles of protest and political action will have to be transformed into new styles of governing systems involving the new electronic populism that is transforming the old styles of both secularist and Islamist movements.

Voll is professor of Islamic history and associate director of the Prince Alwaleed Bin Talal Center for Muslim-Christian Understanding at Georgetown University in Washington, D.C. He earned his doctorate from Harvard and taught Middle Eastern and world history for 30 years at the University of New Hampshire before moving to Georgetown University. He is a specialist in modern Islamic history and has written numerous books and articles, including the book, “Islam: Continuity and Change in the Modern World.” He is a past president of the Middle East Studies Association and the New England Historical Association and has served on boards of the American Council of Learned Societies and the World History Association. He has conducted research on Islamic movements in sub-Saharan Africa, southeast Asia and the Middle East.

Special needs requests or questions can be directed to Dennis Cooley at dennis.cooley@ndsu.edu or 1-7038.

Promotion-to-professor luncheon scheduled

The FORWARD project will sponsor a promotion-to-professor luncheon on Tuesday, Feb. 28, from 11:30 a.m. to 1 p.m. in the Memorial Union Arikara room. Registration is requested and can be completed on the FORWARD website at www.ndsu.edu/forward.

A panel of College Promotion, Tenure and Evaluation Committee members will discuss the promotion-to-full-professor process and share tips on preparing an application. Panelists include Verlin Hinsz, psychology; Sanku Mallik, pharmaceutical sciences; Susan Ray-Degges, apparel, design and hospitality management; and David Rogers, electrical and computer engineering. Ineke Justitz, history, philosophy and religious studies, will facilitate the panel discussion.

The next promotion-to-professor session is scheduled for May 1 and will feature a panel of recently promoted full professors.

NDSU Golden Key schedules workshop, inducts members

The NDSU chapter of Golden Key International Honour Society is scheduled to host an “APA Workshop” on Wednesday, Feb. 29, at 2 p.m. in the Memorial Union Lark room. The event will cover the sixth edition of the American Psychological Association’s “Publication Manual.” Anyone can attend.

Also, NDSU Golden Key held its 17th annual new member induction ceremony on Nov. 8. New members and honorary members were honored for their accomplishments during the reception. Sophomores, juniors and seniors in the top 15 percent of their

respective classes are eligible for membership. Honorary memberships are given to individuals who embody the ideals of Golden Key and encourage academic excellence.

Five honorary members were inducted: Roger A. Green, associate professor of electrical and computer engineering; Evadean M. Myers, vice president for equity, diversity and global outreach; Bruce Rafert, provost; Kimberly Vonnahme, associate professor of animal sciences; and Newell D. Wright, director of the Center for Global Initiatives. The keynote speaker was Edward L. Deckard, professor of plant sciences.

NDSU Extension schedules nutrient management workshops

The NDSU Extension Service, with assistance from the North Dakota Department of Health is scheduled to host three daylong workshops on nutrient management.

The dates and locations for the workshops are:

- Feb. 29, Dickinson Research Extension Center
- March 1, Teddy's Restaurant, Edgeley, N.D.
- March 2, Dakota Farmers, Rugby, N.D.

The programs will run from 9:30 a.m. to 4 p.m. local time.

Topics for the schools are containment pond management; containment pond irrigation systems; euthanasia practices; animal mortality, heat stress, air quality and pen management; an update on concentrated animal feeding operation regulations; manure nutrient management plans; and drug withdrawal.

Speakers for the workshops will vary by location. The speakers are:

- Carl Dahlen, NDSU Extension beef cattle specialist
- Charlie Stoltenow, NDSU Extension veterinarian
- Karl Hoppe and John Dhuyvetter, NDSU Extension area livestock systems specialists
- Chris Augustin, NDSU Extension area nutrient management specialist
- Larry Schnell, Stockmen's Livestock Exchange general manager
- Lori Frank, Barnes County Watershed coordinator
- E.J. Habrock, K-line Irrigation regional representative
- Terry Kemmet, K&K Well Drilling certified well driller
- Jesse Vollmer, North Dakota Department of Agriculture assistant state veterinarian
- Scott Ressler, North Dakota Stockmen's Association environmental services director
- Jim Semerad, North Dakota Health Department, Division of Air Quality
- Karl Rockeman, North Dakota Health Department, Division of Water Quality.

The schools are free but registration is required. To register, contact Augustin at 701-652-2951 or chris.augustin@ndsu.edu.

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 one-day session is sponsored by The Howard Baker Forum, Lawrence Livermore National Laboratory and NDSU.

Join experts from the national laboratories and the public and private sectors for the one-day symposium focused on opportunities and constraints in energy production and the role technology can play in enhancing current energy production methods. Experts will discuss current methods of energy production and processing and how high performance computing can enhance these 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 or contact evandevoorde@bakerdonelson.com.

Breastfeeding, pumping support group to meet on campus

An informal support group for students, faculty or staff members who are expectant mothers, breastfeeding/pumping mothers or partners of nursing/expectant mothers is scheduled to meet on Tuesday, March 6, from 11:30 a.m. to 12:30 p.m. at the Equity and Diversity Center. The group aims to provide support for female students, faculty and staff who breastfeed/pump, create a network of support for new or expectant parents on campus and to advocate for a family friendly workplace.

Attendees can bring their lunch to the meeting. Direct questions to Laura Oster-Aaland at 1-7750, Kara Gravley-Stack at 1-7091 or Betsy Birmingham at 1-6587.

FORWARD to host leadership workshop

FORWARD is scheduled to host a full-day leadership workshop on Thursday, March 15, to help develop current and future leaders at NDSU. FORWARD began accepting faculty nominations from academic deans in January.

The facilitators, Claudia Plaisted Fernandez and Ruben Fernandez, are from Fast Track Leadership and are involved with many universities for executive leadership development efforts. The leadership workshop program will develop participants' skills in creating and sustaining an organizational culture that catalyzes teamwork, promotes innovation and thought diversity, constructively and smoothly manages change and conflict, and engages employees. The workshop will address how people think, how they react, what motivates them, how they make decisions, how they respond to time and pace of an organization, what engages employees and how leaders can leverage personal change. The goal will be to develop insights, tools and skills for academic leaders to engage, lead and motivate colleagues.

For more information on this and other FORWARD programs, visit www.ndsu.edu/forward or email ndsu.forward@ndsu.edu.

Flax Institute set for March 29-30

The 64th Flax Institute is scheduled for Thursday and Friday, March 29-30, at the Doublewood Inn in Fargo. NDSU has been the lead university in organizing the biennial institute.

The Flax Institute brings together national and international researchers with an interest in flax to share and learn about flax research. Researchers from Canada, China, Pennsylvania, South Dakota and North Dakota will give more than 20 presentations. A tour, poster session, exhibits and dinner will provide additional learning and networking opportunities.

The topics covered during the event include breeding flax, agricultural production, use of flax in food products, using flax fibers for industrial purposes and human health effects of consuming flax. Persons interested in scientific presentations are encouraged to attend.

Registration will start at 7:30 a.m. on Thursday, March 29, with the program starting at 8:15 a.m. On Friday, March 30, the program will run from 8 a.m. to 1:30 p.m.

Northern Crops Institute to offer short course

Northern Crops Institute is scheduled to host a Pasta Production and Technology Short Course April 10-12.

The short course introduces pasta manufacturers to the fundamental and applied aspects of manufacturing extruded and sheeted pasta products. Raw material quality criteria, specifications and processing variables and their impact on final pasta product quality will be presented in detail.

Participants will do hands-on pilot-scale pasta processing, followed by a cooking exercise to evaluate the final product. Group activities include an exercise in identifying pasta defects and processing causes, and a field trip to a pasta manufacturing facility. Lectures are supplemented with pilot-scale processing of traditional extruded pasta products. Quality tests employed in the evaluation of raw materials (wheat, semolina, flour) and finished products will be demonstrated.

The course registration fee is \$900. Payment in full is due one week before the start of the course. Registration deadline is March 20.

For more information or to register, go to www.northern-crops.com and follow the educational courses link or call 1-7736.

PUBLICATIONS/PRESENTATIONS

Visual arts department head presents TEDx talk



Strand

Michael Strand, associate professor and department head of visual arts, was invited to present a TEDx talk on Feb. 7, at Ecce Gallery in Fargo. His presentation, "The Spaces Between: Art, Craft and Humanity," was part of the TEDx series of talks, which are organized around the world to present new ideas.

A potter interested in the potential of functional art in today's society, Strand's work has moved into community and social engagement. His recent projects have been documented and written about internationally, with an upcoming feature article in *Ceramics Art and Perception* scheduled this spring.

Strand presented with Doug Burgum, Carl Peterson and Susan Mathison.

Assistant professor's publishing efforts lead to free trial of journals



Wu

During the past few months, Erxi Wu, assistant professor in the pharmaceutical sciences department, has published six papers in Bentham Science Journals. In recognition of Wu's efforts, Bentham Science has offered NDSU researchers a free one-month online trial of all Bentham Science Journals. The trial began Feb. 8 and continues until March 8.

For on-campus access, go to www.benthamdirect.org.proxy.library.ndsu.edu. For information about this access, contact Vicki Sorum, NDSU Libraries serials associate, at 1-8880 or vicki.sorum@ndsu.edu.

According to its website, Bentham Science Publishers is a major science, technical and medical journal publisher of 116 online and print journals, more than 230 open access journals and related print/online book series.

English faculty present, chair session at convention



Totten

American literature scholars Gary Totten and Linda Helstern, both associate professors in the English department, presented at the Modern Language Association's 127th annual convention in Seattle Jan. 5-8.

As president of the Edith Wharton Society, Totten also chaired the session "Wharton at 150," sponsored by the society, a Modern Language Association allied organization. This year marks the 150th anniversary of the birth of Edith Wharton, a major voice in early 20th century American fiction.



Helstern

Helstern presented a paper titled "Back to Ground Zero: Performing the Fiction of Race in Gerald Vizenor's Hiroshima Bugi: Atomu 57" in the first session sponsored jointly by the Modern Language

Association's Divisions on American Indian Literatures and Asian American Literature, "Native Asian Encounters." The session focused on the representation of Native people in Asian American writing and Asian Americans in Native-authored texts.

Helstern's paper addressed the ways that the White Earth Anishinaabe novelist Gerald Vizenor works in the most experimental of all his novels to counter the model minority stereotype attached to Asian Americans through a range of performative strategies, including kabuki, protest demonstration, striptease, sexual performance and the re-enactment of Native history.

Totten also participated in a pre-convention workshop, "Getting Started in Digital Humanities," which included break-out sessions on coding and programming, project management, grant funding opportunities and cross-disciplinary collaboration to support research, archival work and pedagogy within humanities disciplines.

With roughly 140 divisions and discussion groups and more than 120 allied organizations, the Modern Language Association is the world's largest scholarly organization devoted to language and literature.

Human development and education faculty publish, present

Exercise science students who took the American College of Sports Medicine Health Fitness Specialist Certification in December had an 80 percent pass rate. The certification is considered to be one of the top certifications in the exercise science field for undergraduates and this pass rate is above the national pass rate.

Claudette Peterson, assistant professor in the School of Education, is publishing "What managerial leadership behaviors do student managerial leaders need? An empirical study of student organizational members" in the Journal of Leadership Education.

Elizabeth Erichsen, assistant professor in the School of Education, recently had an article, "Learning for Change: Transforming International Experience as Identity Work," published in the Journal for Transformative Education.

Brad Strand, professor of health, nutrition and exercise science, and Kristen Hetland, from Concordia College, had their paper, "A Status Report of PETE Faculty in the Central District," published in *The Physical Educator*. The paper was completed as a portion of Hetland's doctoral program in the College of Human Development and Education wellness option.

Jooyeon Ha, assistant professor of apparel, design and hospitality management, had several refereed journal articles accepted to journals. "Determinants of variety seeking intention in restaurants" was accepted to *Journal of Services Marketing*. "Consumer value in restaurants: Does it vary across different segments?" was accepted to *Journal of Foodservice Business Research*. "Effects of ethnic authenticity: Examining Korean restaurant customers in the U.S." is being published in the *International Journal of Hospitality Management*. "Are loyal customers in Korean restaurants different? From quality perception perspectives" was accepted to the *Journal of Foodservice Business Research*.

Anita Welch, Claudette Peterson and Chris Ray had "A Cross-Cultural Validation of the Technology-Rich Outcomes-Focused Learning Environment Inventory (TROFLEI) in Turkey and the United States" accepted for publication in *Research in Science and Technological Education*.

SHORTS AND REMINDERS

Policy Updates

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

Policy 112: Pre-Employment and Current Employee Criminal Record Disclosure

This policy changes 2.3 to reflect North Dakota University System procedure regarding which positions require criminal history records check.

Policy 158.1: Email as an Official Communication Method for Employees

This is a new policy describing email as an official communication method for university employees.

Policy 220.1: Administrative Leave

This is a new policy describing administrative leave and the process for placing staff employees on administrative leave.

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.

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

Administrative Secretary

Library
\$23,000+/year
Open until filled

Administrative Clerk/#00021217

Residence Life
\$32,500+/year
Feb. 23

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

Nursery Technician/#00020146

North Dakota Forest Service
\$28,670+/year
Feb. 15

HPC Systems Administrator

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

Nutrition Laboratory Technician

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

Technical Director/#00021434

Northern Crops Institute
Commensurate w/experience
Feb. 29

Histology Laboratory Coordinator/#00027420

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

Bio/Immunoassay Laboratory Coordinator/#00027419

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

Veterinary Technician/Veterinary Technologist

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

Archivist/#00021104

Library
\$44,000/year
Open until filled

Research Specialist-Agronomy/#00019691

Carrington Research Extension Center
Commensurate w/experience
Feb. 29

Research Specialist

Plant Sciences
\$32,000+/year
Feb. 21

CALENDAR

FEBRUARY

15 **Spring Career Fair:** 10 a.m. to 3 p.m., Fargodome, sponsored by the Career Center

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

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

16 **“College Student Mental Health:** Understanding Psychological Issues and How You Can Help,” 4 p.m., Graduate Learning Center, Library

17 **Plant Pathology Graduate Seminar:** “Control of Rhizoctonia root rot of sugar beet using Azoxystrobin,” Afsana Noor, 1 p.m., Loftsgard room 114

17 **Plant Pathology Graduate Seminar:** “Unraveling the complexity of the chromosome 6H net form net blotch resistance locus in barley,” 1 p.m., Loftsgard room 114

17 **Lunch OUT:** Pride Network invites all lesbian, gay, bisexual and transgender faculty, staff and graduate students to lunch off campus. 12:30 p.m. to 1:30 p.m., for location, contact NDSU.PrideNetwork@ndsu.edu.

CALENDAR CONT.

17 **Wrestling vs. Wyoming:** 7 p.m., Bison Sports Arena

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

18 **Men's basketball vs. Western Michigan:** 7 p.m., Bison Sports Arena

21 **Science, Religion, and Lunch Seminar:** "Is the Messiah Prophesied to Be of the Seed of Jacob or of the Seed of Ishmael?", noon, Memorial Union Meadow Lark room

21 **"Responding to Disclosure of Sexual Assault:** A Training for Faculty, Staff and Students," noon to 12:45 p.m., Equity and Diversity Center. Space is limited. RSVP to sarah.dodd@ndsu.edu.

22 **Black History Month:** "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.

22 **Welcome reception:** Meet Nicole Mason, agricultural and biological sciences librarian, and Carolyn Mead, physical sciences and engineering librarian, 2 p.m., Main Library classroom

23 **World iView:** "Every Brick Tells a Story: Study Abroad as an Extraordinary Experience," Newell Wright, noon to 1 p.m., Memorial Union Meadow Lark room. Sponsored by the Office of International Programs.

23 **"How the Power of Diversity Creates Better Groups, Firms, Schools and Societies:"** Guest speaker Scott Page, 3 p.m. to 4:30 p.m., Memorial Union Century Theater

23 **Chemistry and Biochemistry Seminar:** "Science Literacy: A Source of Happiness," Nivaldo J. Tro, professor and chair at Westmont College, Santa Barbara, Calif., 4 p.m., Ladd Hall room 107

24 **Pride Network Meeting:** noon, contact kristen.benson@ndsu.edu for room location.

24 **Plant Pathology Graduate Seminar:** "QTL analysis of *P. teres* for Net form Net Blotch disease on barley," Rachel Shjerve, 1 p.m., Loftsgard room 114

24 **Plant Pathology Graduate Seminar:** "Characterization of fungicide resistance in *Cercospora beticola*," Keshave Birla, 1 p.m., Loftsgard room 114

24 **Soul food dinner:** 5 p.m. to 8 p.m., Equity and Diversity Center, \$7 per ticket or \$12 for two, includes fried chicken, collard greens, macaroni and cheese, beverage and cake. To order tickets, email brittney.collins@my.ndsu.edu.

26 **Black History Month:** Community Gospel Concert, 2 p.m., Beckwith Recital Hall

27 **Women's Week:** "Show Me the Money!" Negotiating Your Way to a Bigger Payday," noon, Memorial Union Hidatsa room

27 **Department of Plant Sciences Graduate Seminar:** "Dealing with Population Structure in Association Mapping," Ronald Dorcinvil, 3:30 p.m., Loftsgard Hall, room 114.

27 **Department of Plant Sciences Graduate Seminar:** "Selection for Protein Content in Soybean," Xianwen Zhu, 4 p.m., Loftsgard Hall, room 114

27 **Women's Week:** Spirit rally for final women's basketball game vs. Indiana University-Purdue University Indianapolis, 6 p.m., Equity and Diversity Center. Wear your green and yellow and enjoy pre-game snacks.

28 **Women's' Week:** " 'For My Wife:' A Film and Discussion of the Ramifications of Marriage Inequality for Lesbian Couples," 12:30 p.m. to 1:30 p.m., Memorial Union Hidatsa room

28 **Women's Week:** Women's Choir performance, 4 p.m., Memorial Union Century Theater, networking/mentor reception to follow in Butte Lounge.

28 **Women's Week:** Miss Representation Documentary, 7 p.m., Memorial Union Century Theater

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)

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

NEXT ISSUE Publication date: Wednesday, Feb. 29 | Submissions due: Feb. 24 at noon

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NDSU