

# NDSU

VOLUME 4 ISSUE 20

IT'S HAPPENING AT STATE

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## President Bresciani presents Saddleire Lecture, receives award

NDSU President Dean L. Bresciani presented the prestigious 2012 Saddleire Lecture at Bowling Green State University, Ohio, on Oct. 19. His talk was titled "Public Higher Education 2.0: The Morrill Land Grant Then and Now."

The lecture was the 21st in a series named for longtime Bowling Green State University faculty member and administrator Gerald L. Saddleire, who was a professor of psychology and nationally recognized chair of College Student Personnel at the university. He joined the university in 1969 and served until 1991.

Bresciani earned his master's degree in college student personnel from Bowling Green State University in 1985, and Saddleire was one of his instructors.

At his lecture, Bresciani received the Higher Education and Student Affairs Distinguished Alumni Award, which was presented by Maureen Wilson, associate professor and chair of the Department of Higher Education and Student Affairs.



*Bresciani*

The lecture and visit were coordinated by Matthew Rygg, doctoral graduate assistant in the Office of the Division of Student Affairs. "It was a real honor to have President Bresciani on campus to deliver the Saddleire Lecture," said Rygg. "As a respected scholar, teacher and administrative leader, Bresciani was a natural choice. His insights on public policy, funding and public perception of higher education were tremendously insightful. Dr. Bresciani is an inspiration to many in student affairs and higher education."

During his visit, Bresciani also participated in a roundtable discussion with faculty and students.

The Division of Student Affairs and Department of Higher Education and Student Affairs sponsored the lecture.

## Awards to recognize excellence in academic advising

The Office of the Provost has established two awards to highlight the importance of academic advising at NDSU by recognizing and rewarding outstanding advising of individual undergraduates by faculty and professional advisers who are committed to assisting students to reach their full potential.

Nominees must have been employed and advising at NDSU for at least two full years. Full-time faculty, instructors and lecturers who actively advise undergraduates are eligible for the Outstanding Faculty Advising Award. Professional advisers are eligible for the Outstanding Professional Adviser Award.

Larry Peterson, director of the Office of Accreditation, Assessment and Academic Advising, said the awards recognize the excellent work advisers already are doing. He also said it raises the profile

of advising as an important activity on campus. "High-quality advising is crucial to student success," Peterson said. "Advisers who are caring and knowledgeable help them find a pathway through the campus. Not only do students need to have the correct courses scheduled, but they also need to have personal and career goals in mind. Advising plays an important role in students being successful in their personal lives and careers."

Award winners will be selected in a two-stage process. In the first stage, students and alumni will be encouraged to nominate a deserving candidate and provide specific examples of the nominee's exemplary advising. In the second stage, nominees will be contacted by a selection committee and asked to provide additional information about their advising philosophies and activities.

*Continued...*

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

### News and events

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

### Deadline set for Nov. 15 It's Happening at State

The next electronic issue of It's Happening at State will be posted Nov. 15 at [www.ndsu.edu/ihas](http://www.ndsu.edu/ihas). Submissions for that issue are due at noon on Nov. 9.

### Winter coat and food donations sought

Gently used winter coats and non-perishable food donations are needed at the Equity and Diversity Center food pantry. Items may be dropped off at the center.

### Disability Services Newsletter available online

The first issue of the NDSU Disability Services Newsletter is available at [www.ndsu.edu/fileadmin/disabilityservices/Fall2012\\_DSnewsltr.pdf](http://www.ndsu.edu/fileadmin/disabilityservices/Fall2012_DSnewsltr.pdf).

Each winner will receive an honorarium of \$1,000, will be recognized with a plaque in the Memorial Union and will be encouraged to apply for the National Academic Advising Association's Outstanding Advising Award.

Nominations will be accepted Nov. 1-30. Nominees then have until Jan. 15 to submit materials to the selection committee, which will make its decision by Feb. 15.

More information, including an online nomination form, is available at [www.ndsu.edu/accreditation/academic\\_advising](http://www.ndsu.edu/accreditation/academic_advising).

## NDSU Impact Fund awards \$136,000 in grants

The NDSU Development Foundation has awarded four grants totaling \$136,000 through the NDSU Impact Fund. The fund, which offers major grants of \$20,000 to \$75,000, provides grants for programs that have a direct and positive impact on the lives and educational experiences of students.

Available to faculty, staff and recognized student groups, the program is funded by unrestricted contributions received from alumni, parents and friends, as well as proceeds from the annual Bison Bidders Bowl. The Grants and Awards Committee of the Development Foundation's board of trustees meets each year during Homecoming week to choose grant recipients from applications and presentations. This year, the committee presented awards for four exciting and innovative projects.

A grant of \$19,000 will fund the Department of Communication and Bison Information Network (BIN) to purchase remote broadcasting equipment to air a variety of NDSU-related events. The equipment will allow the remote broadcast of student government-sponsored events, academic lectures and events, fine arts and alumni events, and admission activities on "SUTV news," shown on Cable One Channel 14. The equipment is expected to help BIN further establish itself as a regional and national leader in civic journalism and remote broadcasting.

Two symposia presented and hosted by the NDSU School of Music will receive \$30,000. The first is the Choral Music of the Americas, scheduled for May 1-5, 2013. It will feature guest choral experts from North and South America, plus performance opportunities for students from NDSU and surrounding high schools. The second symposium is the Wind Symphonies of the Americas, set for fall semester 2013. The symposia are intended to elevate the NDSU School of Music to a position of national leadership and prominence.

A grant of \$41,000 will enable NDSU to establish a Center for Cloud Computing, which is anticipated to have a profound impact on NDSU students, staff and faculty. The center will provide the necessary computing facilities for course demonstrations and laboratory exercises pertaining to cloud computing. The center also will administer a Certificate in Cloud Computing for returning and current students to be educated for the \$1 trillion per year industry.

The NDSU Department of Electrical and Computer Engineering will receive \$46,000 to purchase up to seven high-performance computers with a graphic processing unit that will be available for students at all times in the department's computer cluster. The

computers will be used in regular lab sections that will include educational activities aimed at educating students how they can develop code to efficiently explore the intensive parallel processing in the thread processors of the computers.

John Wold, chair of the foundation's Grants and Awards Committee said, "We are very excited about these awards, they will make a significant impact on students at NDSU. You will see the NDSU Impact Fund logo start to appear more and more on the campus as this funding resource continues to grow. We look forward to next year and what great things we will again be able to fund."

## Events set to celebrate Native American Heritage Month

NDSU has a series of events scheduled to celebrate Native American Heritage Month, which begins Thursday, Nov. 1.

A free screening of "Dakota 38" is scheduled for Monday, Nov. 19, from 4:30 p.m. to 6:30 p.m. in the Memorial Union Century Theater. The documentary details the largest mass execution in U.S. history when, on Dec. 26, 1862, a total of 38 Dakota warriors were hanged from a single scaffold in Mankato, Minn. President Abraham Lincoln ordered the hangings just one week prior to issuing the Emancipation Proclamation. A trailer for the documentary is available at <http://smoothfeather.org/dakota38>. The screening is open to the public.

"Many people don't know about this history," said Brynn Luger, graduate assistant who organized events for the month. "The hope is to create more awareness for Native American students and faculty."

The Native American Heritage Month's opening ceremony is scheduled for Thursday, Nov. 8, from 11 a.m. to noon in the Grandmother Earth's Gift of Life Garden near the Memorial Union's west entrance. The rain room will be in the Memorial Union's Room of Nations. Prayer, smudging and singing will honor Native American Heritage Month.

Other Native American Heritage Month events include a session titled "The Legal History of the Doctrine of Discovery" scheduled for Wednesday, Nov. 14, from 3 p.m. to 4 p.m. in the Memorial Union Prairie room. Chase Iron Eyes of Standing Rock Nation will discuss the legal history of the Doctrine of Discovery and the changing perception inside and outside Native communities through media and educational institutions.

An NDSU Native American student panel will be held Thursday, Nov. 15, from 11 a.m. to noon in the Memorial Union Prairie room. A variety of topics will be discussed, including the experience of culture and its impact on education and student life. Nearly 200 Native American students attend NDSU. All are welcome to contribute to the discussion.

Clifford Canku, assistant professor of practice for Dakota Studies, is scheduled to present "The Dakota Prisoner of War letters of 1862-1869" on Tuesday, Nov. 20, from 1 p.m. to 2 p.m. in the Memorial Union Rose room. Dakota prisoners-of-war letters are accounts of men and women who were imprisoned at Fort McClellan in Davenport, Iowa. The letters were written in the Dakota language to the Presbyterian minister, Rev. Stephen Return Riggs, whom the prisoners-of-war called Tamakoce. The letters included inquiries

of status in their families, treatment at the prison and political situations in the U.S. government in regard to their struggle to survive in their traditional homelands.

Donald Warne, director of the NDSU Master of Public Health program, is scheduled to present "American Indian Health Disparities" on Wednesday, Nov. 28 from noon to 1 p.m. in the Memorial Union Hidatsa room. Warne will discuss key health disparities, causes and potential solutions for the Northern Plains American Indians.

For more information, visit [www.ndsu.edu/multicultural](http://www.ndsu.edu/multicultural) or contact Brynn Luger at [brynn.luger@ndsu.edu](mailto:brynn.luger@ndsu.edu).

## NDSU thanks donors for bronze bison statue



*The Bison Plaza on Albrecht Boulevard between Minard Hall and the NDSU Library*

Thanks to the generosity of several donors, and particularly Jim and Sandra Roers of Fargo, a well-traveled entrance to NDSU is home to a new bison statue.

The bronze statue resides in the newly built Bison Plaza on Albrecht Boulevard between Minard Hall and the NDSU Library.

"The statue provides an amazing gateway into campus and symbolizes the tremendous amount of pride we have for our university and for the Bison," said Student Body Vice President Jace Beehler.

Through the NDSU Development Foundation, several donors contributed to the project:

- Jim Roers, BS '74, and wife, Sandra, of Fargo
- Ron Olson, BS '62, and wife, Kaye, of Wayzata, Minn.
- Bernice Pavék in memory of Les Pavék, former vice president for student affairs at NDSU
- Julie Barner in memory of Mike Barner, BS '65, MS '72, former NDSU Alumni Association board member
- NDSU 2011-2012 Student Government

"The statue is an impressive piece of art, which captures the strength and pride of NDSU," said President Dean L. Bresciani.

NDSU Student Government is planning a dedication for spring 2013.

## Germans from Russia Heritage Collection to release cookbook



When it came to cooking, Alma (Janke) Schott knew how to do it right. Now cooks will have the chance to learn from her nearly 90 years of experience in the kitchen.

NDSU Libraries' Germans from Russia Heritage Collection will soon release "Alma's Favorite Recipes: Cooking and Memories from a German-Russian Farm Kitchen." Schott died Oct. 7, and the cookbook's debut coincides with what would have been her 90th birthday.

The cookbook will debut at the Pride of Dakota Holiday Showcase events in Fargo Nov. 16-18 and Bismarck, N.D., Nov. 30-Dec. 2.

Schott's baking was well known in south-central North Dakota. She often baked the wedding cakes for two generations of local residents.

Growing up on a German-Russian farm between Fredonia and Gackle, N.D., Schott learned to bake and cook when she was eight or nine years old. She credited her mother as being her home economics teacher.

"The cookbook features recipes prepared in Schott's beloved German-Russian farm kitchen," said Michael M. Miller, director of the Germans from Russia Heritage Collection. "A pinch of this, a little of that, a dash here. Here's a cookbook decoding the recipes that were crafted, created and perfected over many years. Whether you're looking for the perfect pie crust or a borscht recipe, this cookbook is sure to please."

Evon J. Dewald, retired teacher and librarian, said "This book is absolutely charming. The reader feels as though the author and reader are having a good cup of coffee and a delightful visit. I felt as though I was watching my grandmother and mom baking in their kitchens, and explaining to me how these wonderful family favorites were made. Certainly this recipe book is a happy read."

The cookbook can be pre-ordered online at [www.ndsu.edu/grhc](http://www.ndsu.edu/grhc) or by calling 1-6596.

## United Way campaign under way

The annual NDSU United Way of Cass-Clay campaign has begun. Unit coordinators are in the process of contacting employees, seeking their participation and providing information. NDSU's 2012 United Way campaign goal is \$111,200 – a 3 percent increase from last year.

In a letter to university personnel, President Dean L. Bresciani urged employees to contribute. "The people of NDSU have a strong, proud history of stepping up to help others," he wrote. "As a land-grant institution, we have a tradition of reaching out to serve others and that heritage is intertwined with our personal compassion and respect for our neighbors. It is in our nature to care."

United Way donations fund 75 programs of 43 local agencies. NDSU employees will again have the opportunity to contribute electronically, through ePledging. Online pledging ends Dec. 14.

This year, United Way of Cass-Clay added an education component to its campaign board for the first time. Professor Kevin McCaul was named to represent NDSU, and he also leads the university's Key Club campaign, which also is under way.

"We are an important part of the local community, and I can think of no better way to reach out to that community than through United Way," McCaul said. "Besides that reason for donating, United Way supports an incredible range of charities in our area – our gifts have such a huge value."

United Way programs with direct connections to NDSU include Gearing Up for Kindergarten and RSVP+, which are both directed and coordinated by university personnel. Gearing Up for Kindergarten is a parent and family education program that supports child development, school readiness and healthy parenting. RSVP+ is a federally and locally funded program that connects agencies with needs to volunteers with skills. The program's Southern Valley section serves Cass, Barnes, Griggs, Ransom, Sargent, Richland, Steele and Traill Counties of North Dakota and Clay County of Minnesota.

For more information on the NDSU United Way campaign, contact Char Goodyear, campaign coordinator, at [char.goodyear@ndsu.edu](mailto:char.goodyear@ndsu.edu). Information also is available on the NDSU campaign website, [www.ndsu.edu/president/unitedwaycampaign](http://www.ndsu.edu/president/unitedwaycampaign).

## NDSU publications considered for national recognition

Three documents produced by NDSU are in the running for the American Library Association's list of notable government documents. The documents were selected for submission by the North Dakota Library Association at its annual meeting in September.

"Home Lawn Problems and Solutions for North Dakota" was produced by Agriculture Communication and the following NDSU faculty: Alan Zuk, assistant professor of plant sciences; Janet Knodel, Extension entomologist; and Ron Smith, Extension horticulturist. The publication can be found at [www.ag.ndsu.edu/pubs/plantsci/landscap/h1553.pdf](http://www.ag.ndsu.edu/pubs/plantsci/landscap/h1553.pdf).

The following publications produced by the Institute for Regional Studies also were selected: "Flowers Between the Frosts: How to Grow Great Gardens in Short Seasons" by Dorothy Collins and "Spectacular North Dakota Hikes: Bring the Dog" by Susan Wefald.

The documents will be forwarded to the American Library Association's Government Documents Roundtable for consideration in its Notable Government Documents list. Results are expected in May 2013.

## NDSU Saxophone Quartet places first in competition

The NDSU Saxophone Quartet placed first in the North Dakota State Division of the Music Teacher's National Association Collegiate Chamber Music Competition Oct. 27 in Valley City, N.D. The quartet will now compete at the Midwest Central competition in Lawrence, Kan., in January. Matthew Patnode, associate professor of music, directs the quartet.

The NDSU Saxophone Quartet performed a 30-minute program featuring works by Lacour, Bresnick and Rivier. Student members include Carolyn Braus, a senior majoring in music performance from Bismarck, N.D.; Antoine Poitras, a senior majoring in music education from Fargo; Andrew Long a junior majoring in music performance from Fargo; and Paul Nason, a senior majoring in music education from Mandan, N.D.

Braus also won the Music Teacher's National Association's Young Artist competition on Oct. 27. Her 40-minute program featured works by Platti, Jolivet, Swerts and Gotkovsky. She was accompanied on piano by Sue Nagel.

## Asian soybean buyers attend institute's short course

Soybean buyers from seven Southeast Asian nations learned how to better negotiate electronic trading systems at the Soybean Procurement Management for Importers short course held Oct. 6-12 at Northern Crops Institute on the NDSU campus. The focus of the course was to learn more about contracting and purchasing U.S. soybeans.

Following their Fargo visit, the group traveled to Portland, Ore., where they concluded the course Oct. 16. The 21 participants were from India, Indonesia, Malaysia, Philippines, Singapore, Thailand and Vietnam.

"This course is the result of a multi-state effort by the Minnesota, North Dakota and South Dakota soybean organizations, who are providing major funding for this program. For Northern Crops Institute, this soybean program is the first of its kind in that it is generated at the grassroots level, in cooperation with the American Soybean Association International Marketing," said Mark Weber, institute director.

Much of the course took place in the Commodity Trading Laboratory, which recently opened in Richard H. Barry Hall. The laboratory is the brainchild of William Wilson, University Distinguished Professor of agribusiness and applied economics, who was the lead instructor for the procurement courses.

"Our trading room is truly unique because of its focus on agricultural trading. It is critical to expose students to the modern technology currently used in this industry. I envision organizing the procurement classes around the trading room as a means of illustrating the tools and technology of trading," Wilson said.

## Herpetology class introduces campus to reptiles



Students in senior lecturer Mary Jo Kenyon's herpetology class hosted *Herp Day* on the afternoon of Oct. 25 in Stevens Hall. Students, faculty and staff were invited to learn about and hold reptiles including snakes, lizards, bearded dragons, a leopard gecko and turtles. The purpose of the event was to promote appreciation and raise awareness about the environmental challenges reptiles face. A future event may be opened to the public.

## NDSU to host computer programming contest

NDSU's computer science department will host a regional site for the International Collegiate Programming Contest on Saturday, Nov. 3. The event, sponsored by IBM, is scheduled from 9:30 a.m. to 4:30 p.m. in the Memorial Union Arikara room and Great Room.

NDSU is one of several volunteer host sites in the North Central North American region, which extends from Manitoba to Kansas. Participating schools include NDSU, University of North Dakota, Minnesota State University Moorhead and Concordia.

Schools may register more than one team, but generally have one coach who is a faculty or staff member. Each team can have up to three members. The contest involves a five-hour programming session, in which the teams are given approximately 10 problems to solve in C, C++ or Java.

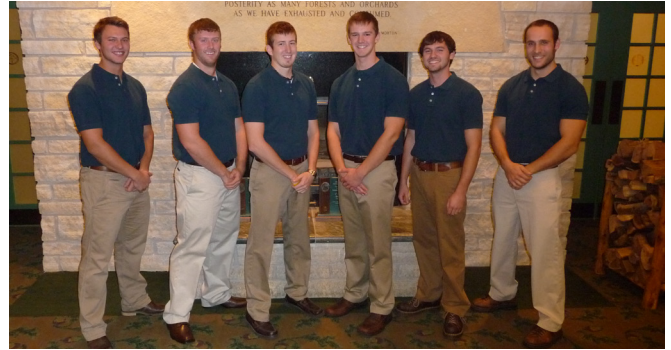
All of the regional competition sites run concurrently and use the same question set. The top team from each region is invited to the world finals, which is scheduled in St. Petersburg, Russia. Wildcard team seats are available, so potentially more than one team from a region could advance.

Robert Foertsch, systems administrator in NDSU's computer science department, said the problems are often humorous and always relate to algorithm or problem-solving methods. In a typical contest, solving half of the problems is impressive, but usually the regional winning team solves most or all of them, he said.

This year NDSU is entering seven teams and Anne Denton, computer science associate professor, is the coach.

This is the third year NDSU has hosted a competition site since 2010.

## NDSU team places third in construction competition



NDSU team members (left to right) Daniel Sheridan, Noah Schmidt, Jeremy Host, Bryan Silvers, Jesse Grinsteiner and Ben Verchota.

A team of six students from the Department of Construction Management and Engineering at NDSU took third place in the 2012 Associated Schools of Construction Region IV Construction Management Competition – Commercial Division. The competition was held in Nebraska City, Neb., Oct. 24-27.

A total of nine teams comprised of 54 students participated in the Commercial Construction Competition. Students used real design drawings and specifications from projects that have already been built or are currently under construction. In an 18-hour competition period, students did estimates, cost analysis, scheduling and resolved several issues that arose as the project was being built. A panel of judges from the construction industry reviewed and graded each team's proposal, which was prepared during the 18-hour period. In addition, students presented their ideas to the panel.

NDSU team members are students Daniel Sheridan from Fargo; Noah Schmidt from Rogers, Minn.; Jeremy Host from St. Cloud, Minn.; Bryan Silvers from Wadena, Minn.; Jesse Grinsteiner from Bismarck, N.D.; and Ben Verchota from Delano, Minn.

Institutions in Region IV include Iowa State University, Kansas State University, Minnesota State University-Mankato, Minnesota State University Moorhead, Missouri State University, NDSU, Pittsburg State University, South Dakota State University, Southeast Missouri State University, St. Cloud Technical College, University of Central Missouri, University of Kansas, University of Nebraska-Kearney, University of Nebraska-Lincoln/Omaha and University of Northern Iowa.

## NDSU Phi Kappa Phi chapter receives award, plans initiation

The NDSU chapter of the Phi Kappa Phi honor society, which recently received the organization's Chapter of Merit status, has scheduled its annual fall initiation and celebration of academic excellence on Wednesday, Nov. 14, at 5 p.m. in the Memorial Union Great Plains Ballroom.

A total of 67 students and one faculty member, Tri-College Provost Tim Flakoll, will be inducted into the chapter. Taylor Cymbaluk, a senior majoring in animal science, will be the guest speaker.

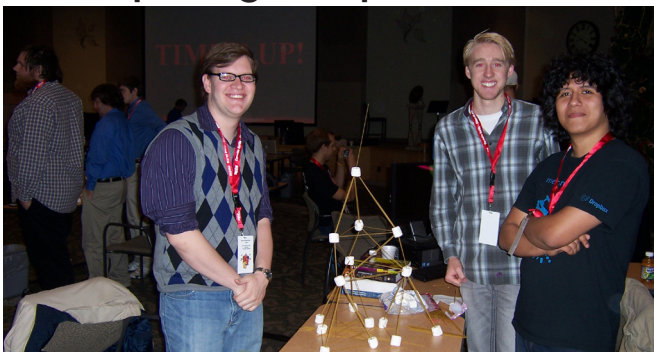
"It's a special recognition for our students to honor their academic achievements," said Anita Welch, president of the NDSU chapter and Phi Kappa Phi's North Central Region vice president. "This membership stays with them throughout their professional careers."

NDSU is the 10th-oldest chapter in the organization and begins to celebrate its 100th year on campus. Welch said approximately 350 Phi Kappa Phi members live in the Fargo-Moorhead area. Claudette Peterson, assistant professor in the School of Education, has been named the chapter's community and alumni liaison to reach out to area non-campus members. "Members in the community, our alumni, can be active with our chapter and hopefully serve as mentors to our students," Welch said.

Phi Kappa Phi is the largest academic honor society that recognizes and promotes academic excellence in all fields of higher education. A total of 73 out of 318 chapters received recognition status in the past year. "Phi Kappa Phi is the nation's oldest and most selective collegiate honor society," said Provost Bruce Rafert. "The recognition NDSU has received as a Chapter of Merit is indicative of the exceptional accomplishments of our chapter."

The NDSU chapter invites all Phi Kappa Phi initiates and current members to the event. Initiates may attend free of charge. Members or guests may purchase tickets by Nov. 2 by contacting Welch at [anita.welch@ndsu.edu](mailto:anita.welch@ndsu.edu) or Rhonda Kitch at [rhonda.kitch@ndsu.edu](mailto:rhonda.kitch@ndsu.edu).

## Students participate in computing competition



Left to right, Sam Stutsman, Zech Anderson and Cesar Ramirez build a tower from marshmallows and spaghetti. The team with the highest tower received Digikey merchandise.

Two student teams from NDSU's Computer Science department competed at the annual Digikey Collegiate Computing Competition held Oct. 19 at the Digikey corporate headquarters in Thief River Falls, Minn. Twelve universities from the region participated.

The competition tests mathematics, computer programming and problem solving skills in three separate sessions, each lasting between one and one-and-a-half hours. Two sessions involve students creating computer programs in C, C++, C# or Java to solve problems. The third session involves solving math word problems.

This year, NDSU's team Pi Rho earned third place. Team members included Zechariah Anderson, a senior double majoring in computer science and mathematics; Cesar Ramirez, a senior majoring in computer science; Samuel Stutsman, a junior majoring in computer science; and Justin Anderson, a senior double majoring in

computer science and mathematics. Each student received a \$100 gift card and the computer science department received \$1,000.

The team Dacodas finished in 11th place. Members included Cody Wass, a senior double majoring in computer science and mathematics; Joseph Ching, a senior double majoring in computer science and mathematics; Ankit Kumar, a junior majoring in computer science; and Michael Teubner, a senior majoring in computer science.

## Feed scientist assists companies in Morocco

Kim Koch, feed scientist for the Northern Crops Institute and adjunct faculty member of animal sciences, visited three companies in Morocco Oct. 6-15. While there, he provided onsite technical assistance in feed manufacturing to a layer operation north of Marrakech, a feed company near El Jadida and a dairy operation near Larache.

Koch assisted the layer operation with the installation, start-up and operation of a new roller-grinder for particle size reduction of whole corn used in its rations. The feed company and dairy both are installing flaking rollers to process tempered corn.

## Athletes awarded scholarships during Harvest Bowl

Fourteen scholarships were awarded to outstanding NDSU female and male athletes during this year's Harvest Bowl festivities held Oct. 26-27. The NDSU Harvest Bowl program also recognizes the work of agriculturists in 53 counties in North Dakota and several in Minnesota.

A special agribusiness award goes to an individual who has a distinguished career in agriculture and business. This year's award recipient is Neal Fisher, North Dakota Wheat Commission administrator.

Harvest Bowl scholarship awardees, sport, hometown and major are:

- Harvest Bowl Scholarship – Caitlin Mack, track, Watertown, S.D., exercise science
- Harvest Bowl Scholarship in honor of Robert Johansen – Alec Espeland, track, Pierre, S.D., microbiology
- Gene Dahl Scholarship – Jordon Rehak, track, Tioga, N.D., agribusiness
- Scott and Ann Dau Family Scholarship – Hannah Linz, basketball, Watkins, Minn., nursing
- John and Kay Dean Harvest Bowl Scholarship – Twila Moser, track, Bismarck, N.D., industrial engineering
- Myron and Muriel Johnsrud Harvest Bowl Endowment Fund – Lauren Cammack, volleyball, DeWitt, Neb., civil engineering
- LeVon C. Kirkeide, Patricia Kirkeide-Hagemeister and Friends Scholarship – Heidi Peterson, track, Sartell, Minn., microbiology
- Darrel Larson Family Scholarship – Marshall Bjorklund, basketball, Arlington, Minn., agricultural systems management

- Bob Lauf Memorial Scholarship – Trevor Gebhart, football, Sioux Falls, S.D., business administration
- Ron and Karen Offutt Scholarship – Brandt Berghuis, track, Rosemount, Minn., university studies
- Red River Commodities Scholarship – Alex Sobrero, baseball, Paradise, Calif., university studies
- Titan Machinery Scholarship – Anthony Caputo, wrestling, Red Lake Falls, Minn., exercise science
- #64 Bob and #58 Bruce Yaggie Father-Son Football Scholarship – Ryan Drevlow, football, Gwinner, N.D., electrical engineering
- Bob and Darlene Yaggie Football Scholarship – Andrew Grothmann, football, Hillsboro, N.D., agricultural economics

For more information on Harvest Bowl, visit the NDSU Alumni Association website at [www.ndsualumni.com](http://www.ndsualumni.com).

## RESEARCH

### NDSU receives \$4.9 million for biomedical research

Biomedical researchers at NDSU have received a \$4.9 million, five-year research grant from the National Institutes of Health for new strategies for targeting protease in disease. Mukund Sibi, University Distinguished Professor in the Department of Chemistry and Biochemistry, leads the research team. The funding provides continuing support for a nationally competitive biomedical center at NDSU, focused on fighting diseases such as cancer, asthma, hypertension and arthritis.

With the latest round of competitive funding, NDSU has received a total of \$24 million in awards through the institute's Center of Biomedical Research Excellence during the past 12 years. Initial funding was used to develop scientific labs, recruit exceptional research faculty, provide research opportunities for students and conduct science outreach activities in the region. The funding helped to establish the Center for Protease Research at NDSU, along with a Core Biology Facility and a Core Synthesis Facility used by researchers across the region. The labs are available to scientists for research, data analysis and consultations.

A major scientific focus for the center is cancer. NDSU researchers are focusing on breast cancer, prevention of prostate cancer, the effect of nutrition and diet on cancer and on compounds that show promise in treating certain cancers. In addition, a partnership has been forged for future research opportunities with Sanford Research and Sanford Health, headquartered in Sioux Falls, S.D., and Fargo.

"The nationally significant biomedical research being conducted at NDSU illustrates the type of contributions our faculty and students make to the state and beyond," said NDSU President Dean L. Bresciani. "This research funding further recognizes NDSU's role as one of the top 108 research institutions in the U.S. with very high research activity, as defined by the Carnegie Commission on Higher Education."

"The Center for Protease Research's contributions to help combat disease, as well as providing research opportunities across campus and the region, are significant," said NDSU Provost J. Bruce Rafert. "These efforts, coupled with our research partnerships through the state-supported Center for Life Sciences Research and Applications and the North Dakota Genomics Institute constitute a commitment to life sciences research at NDSU."

The Center for Protease Research at NDSU also supports science outreach efforts. Undergraduate students annually have presented posters on their scientific research performed at NDSU, including students from across the U.S. participating in the center's summer research program. The competitive program brings outstanding students to NDSU for scientific research in state-of-the-art lab settings. Students from North Dakota tribal colleges also participate in center-based research. Local high school students participate as part of the Parents' Involvement in Children, Nurturing Intellectual Curiosity in Science program at NDSU. The center also sponsors scientific symposia and seminars, bringing nationally and internationally recognized scientists to NDSU.

Phase I of the program focused on developing research infrastructure and providing junior investigators with mentoring and funds to compete for research grants. Phase II of the program included five projects, 11 pilot projects and two core laboratory facilities. An external advisory board of prominent U.S. scientists evaluates the program. It is anticipated by the end of Phase III, the self-sustaining core laboratories will support multiple disciplines, while strengthening biomedical research of the university and the state. Since 2001, researchers associated with the NDSU Center for Protease Research have published nearly 380 reports in scientific journals about their research.

"These types of grant awards are based upon an extremely competitive process," said Philip Boudjouk, vice president for research, creative activities and technology transfer at NDSU. "It again illustrates the caliber of faculty at NDSU who are exceptional researchers, while providing opportunities for students. The strides made by the Center for Protease Research and director Mukund Sibi significantly contribute to growth of biomedical research in the region. Dr. Sibi and his team have laid the foundation for continued research excellence in the life sciences, providing opportunities previously not available in the state."

"Understanding the biological role played by proteases, such as matrix metalloproteinases and histone deacetylases in cancer and other diseases such as asthma is extremely important. Our research represents an exciting and emerging target for cancer chemotherapy and treatment of autoimmune diseases," Sibi said. The matrix metalloproteinases belong to a class of enzymes called proteases that degrade proteins by cutting them into small pieces. Too much or too little matrix metalloproteinases activities can contribute to diseases such as cancer. Controlling enzyme activity by using pharmaceuticals is seen as a potential strategy for treating the diseases.

Assistant professor Katie Reindl is focusing on how bioactive chemicals in foods can prevent the progression of various cancers. "We are interested in understanding the underlying mechanisms of how these food components influence cancer cell behavior, with the purpose of using these or similar agents for cancer therapy." Reindl initially became involved with the Center for Protease Research

as a graduate student in pharmaceutical sciences at NDSU. Since then, the center has provided support for her research as a faculty member in biological sciences, while enabling her to support additional graduate students in her research.

Another participant in the Center for Protease Research is focusing on chronic complications of allergic asthma caused by fungus. Jane Schuh became involved in the center in 2007. "Recently, we have used insights gained with our work and are applying it to another problem. What happens when you have allergic asthma and are exposed to grain dust?" Schuh, associate professor in immunology, veterinary and microbiological sciences, notes the center's research support, ability to bring together biomedical researchers from different disciplines, scientific collaboration, and mentoring by Center for Protease Research scientists and external advisory board members, all contribute to advancement of research.

NDSU investigators most recently participating in the Center for Protease Research include: Peggy Biga, Kendra Greenlee and Katie Reindl in biological sciences; Christopher Colbert, Gregory Cook, Glenn Dorsam, Stuart Haring, Svetlana Kilina, Guodong Liu, Erika Offerdahl, Mukund Sibi, Sangita Sinha and Pinjing Zhao in chemistry and biochemistry; Jodie Haring and Tao Wang in the Core Biology Facility; Bin Guo, Steven Qian and Chengwen Sun in pharmaceutical sciences; John McEvoy and Jane Schuh in microbiology and immunology; and Rajesh Murthy, Yonghua Yang and Ganesh Bala in the NDSU Core Synthesis Facility.

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## Start-up company developed from NDSU research discovery



*c2renew corp. has licensed a process methodology from the NDSU Research Foundation for creating biocomposite materials that reinforce and strengthen plastics. Using biomass and a technical process developed by Dr. Chad Ulven, c2renew provides a biocomposite material that is a greener alternative to purely petroleum-based plastic products at a lower cost than traditional plastics, without sacrificing critical performance metrics.*

A technology developed at NDSU creates performance-driven biocomposite materials by incorporating agricultural by-products into plastics for a range of engineering applications. The technology also has led to a new start-up company set to serve a spectrum of markets. c2renew corp., a start-up company based in Colfax, N.D.,

announced Oct. 10 that it has concluded a license agreement with the NDSU Research Foundation for the green technology.

Developed by Chad Ulven, associate professor of mechanical engineering and his research team at NDSU, the technology could be used anywhere commodity thermoplastics are typically used – but has been focused on agricultural equipment applications such as interior/exterior handles, consoles and protective shrouds, as well as under-the-hood belt guards, fan shrouds and ducting.

The technology offsets the costs and need to use petroleum-based polymers/plastics by using renewable agricultural by-products that are currently considered waste, being used as animal feed/bedding, or used as low-cost combustion by-products for heat energy.

The process methodology developed by Ulven and his team uses lignocellulosic fibers from various agricultural sources mixed in with commodity thermoplastics to reinforce and strengthen the plastics. "This method works with virgin and recycled commodity and engineered thermoplastics such as polyolefins and polyamides, respectively, where other natural fiber reinforcing processes have not succeeded," according to Ulven, who also serves as chief technology officer for c2renew.

The green technology developed at NDSU and licensed to c2renew has shown that agricultural by-products can improve stiffness, strength, heat stability, dimensional tolerance and resistance to UV exposure when introduced correctly to plastics, while lowering the cost of the material. The company has conducted trials with the improved plastics in coordination with several global agricultural, heavy equipment and motor vehicle manufacturers.

"c2renew designs biocomposite materials to meet the performance specifications required by our customers with lower cost, renewable resources," Ulven said. "We not only supply companies with drop-in plastic replacement solutions, but also assist them with component and process design."

Michael Fuqua is a partner in developing the technology. He formerly served as a graduate student and postdoctoral research associate of Ulven's at NDSU and is now a technical consultant for c2renew. Development of this technology was primarily funded by commodity groups in the state, such as the North Dakota Corn Council and AmeriFlax. Initial funding which helped the company conduct trials of their materials was provided by the North Dakota Agricultural Products Utilization Commission.

"Start-up companies generated by NDSU research provide pathways to economic success. The coordinated efforts among NDSU researchers, the university's Technology Transfer Office and the NDSU Research Foundation help lay the groundwork for commercialization of discoveries developed at NDSU," noted Philip Boudjouk, vice president for research, creative activities and technology transfer.

"Licensing of this process methodology to c2renew represents a great opportunity to commercialize this research," said Dale Zetocha, executive director of the NDSU Research Foundation. "In addition, licensing the technology to a North Dakota company further supports technology-led economic development in the state."

The NDSU Research Foundation's technology and licensing income from NDSU research discoveries has grown from less than \$1 million in fiscal year 2000 to more than \$2 million in fiscal year 2012. NDSU inventors, colleges and departments actively involved in developing innovations share in net revenue distributed by the Research Foundation.



## NDSU scientists analyze clay samples from ND oil patch

Initial results of clay samples from western North Dakota show varying percentages of alumina content, a finding of interest to the North Dakota Geological Survey that commissioned the study. Scientists in a lab at NDSU's Center for Nanoscale Science and Engineering are completing analysis of the clay, often referred to as kaolin, which could eventually play a role in proppants used for hydraulic fracturing in North Dakota oil exploration.

As part of a research agreement with the North Dakota Geological Survey in Bismarck, N.D., the center's Materials Characterization and Analysis Laboratory is completing initial analysis of more than 200 clay samples from Stark and Dunn counties in North Dakota to determine their composition and suitability for use as a component in hydraulic fracturing. "The alumina was above 20 percent for 66 percent of the Bear Den claystone samples and 38 percent of the Rhame Bed samples," said Ed Murphy, North Dakota state geologist. "Roughly one-third of the sites sampled averaged above 20 percent alumina for the entire exposed bed thickness."

A final report of the study is expected in late 2012 or early 2013. "We generated an alumina map of western North Dakota that companies can use to guide clay exploration if they determine that the alumina content is sufficiently high for their needs," Murphy explained. "We will publish a final report with the clay mineralogy when that information is available."

Murphy said it was extremely useful to have specialized scientific expertise available in North Dakota to conduct the study. "CNSE utilizes excellent analytical equipment and employs knowledgeable people with valuable experience. We have had a very good working relationship with the NDSU CNSE. We found them to be very dedicated to their work and generating a product that we could have confidence in."

The clays show early promise for potential use as a key material known as ceramic proppant, used in the fracking process to help keep fractures open, particularly in the Bakken Formation in North Dakota. "It could potentially lead to the establishment of a ceramic proppant manufacturing plant if these claystones are determined to be suitable for this process. The chemistry and bed thickness that we are providing will answer a number of the initial questions from industry," Murphy explained. "If companies deem these results to be promising, they could potentially do additional exploration on their own which might ultimately lead to test manufacturing of ceramic proppant using these clays."

Currently, proppants used in western North Dakota oil development typically come from other states or countries. Murphy notes companies will use approximately 5 million tons of proppants in North Dakota oil development in 2012. In a recent report, the North Dakota Geological Survey estimates there are about 1.7 billion tons of economically mineable kaolin in western North Dakota.

Researchers at the Center for Nanoscale Science and Engineering use X-ray fluorescence to determine which elements and how much of those elements the samples contain. Center scientists also conduct analysis of clay samples using X-ray diffraction to determine the amount of kaolinite, illite, chlorite and other substances in the samples.

"We frequently partner with agencies and industry on projects," said Philip Boudjouk, vice president for research at NDSU. "CNSE provides specialized instrumentation and scientific expertise to a variety of research partners across a spectrum of industries."

## NDSU releases beef research findings

Livestock feed has been the focus of considerable research at NDSU in the past year.

Field peas, hull-less barley and distillers grains are among the potential beef cattle feeds they've studied. The researchers concluded that:

- Dried distillers grains plus solubles can be used to supplement growing steers fed medium-quality hay.
- Feeding dried distillers grains plus solubles on alternate days may be an option when forage availability is limited.
- Field peas make an excellent feedstuff for finishing diets for feedlot cattle.
- Hull-less barley is a viable grain for finishing feedlot cattle.

The objectives of the first dried distillers grains plus solubles study were to determine the effect of increasing supplementation of corn dried distillers grains plus solubles on forage intake, average daily gain, gain efficiency and feeding behavior in growing cattle fed medium-quality hay.

Previous research suggested that ethanol byproducts, such as distillers grains, can be an effective supplement for forage-based diets. However, less is known about the effects of supplementation on feeding behavior and behavioral factors contributing to differences in animals' responses to supplements.

Animal sciences researchers conducted a recent study that indicates supplementation with dried distillers grains plus solubles increased growth performance and total dry-matter intake in growing steers fed medium-quality hay and reduced their hay intake and the time they spent consuming the hay.

In another dried distillers grains plus solubles study, animal sciences department researchers evaluated the effects of feeding forage-fed steers dried distillers grains plus solubles on alternate days as a way to reduce feed costs. Researchers discovered feeding only hay and only distillers grains on alternating days resulted in changes in forage intake and concentrations of volatile fatty acids produced in the rumen without affecting digestibility.

These results indicate that the reduction in forage intake and limited metabolic consequences warrant further investigation of alternate-day feeding schedules as an option when forage availability is limited.

The field pea finding resulted from a feedlot finishing study researchers at NDSU's Carrington Research Extension Center and the animal sciences department conducted to evaluate how including field peas in yearling beef heifer diets affected feedlot performance, carcass traits and palatability in different muscles in the carcass.

The researchers learned field peas do not have any adverse effects on performance or meat quality. However, including field peas in the cattle's diet did not increase beef tenderness, which was contrary to the researchers' expectations.

In the barley study, researchers substituted hull-less barley for corn at varying levels in a finishing study with 158 crossbred steers. The researchers found that feed intake decreased as the proportion of hull-less barley increased, but overall gains were not affected, resulting in an improvement in feed efficiency.

For more information on these studies and other recent NDSU beef cattle-related research, visit the "2012 North Dakota Beef Report," which is available at [www.ag.ndsu.edu/cattledocs/research-reports](http://www.ag.ndsu.edu/cattledocs/research-reports).

This is the first NDSU beef publication with research findings from faculty throughout the state, as well as on campus. In addition to feed research, the publication contains articles on nutrition, growth, reproductive performance, artificial insemination, and feedlot and range issues.

## PEOPLE

### Emergency management head serves on accreditation committee



Klenow

Daniel J. Klenow, emergency management department head, traveled to Toronto to serve on an accreditation committee for the Postsecondary Education Quality Assessment Board, Ministry of Training, Colleges and Universities for the province of Ontario. As chair of the accreditation committee, he coordinated a review of the first emergency management undergraduate degree being proposed for Ontario. He also served in a similar capacity for the Commission for Academic Accreditation in Abu Dhabi, United Arab Emirates.

Klenow said NDSU's emergency management program serves as a model for other programs as its faculty have published work on curriculum development and emergency management professionalization.

### Assistant professor appointed to Carnegie Project committee



Ray

Chris Ray, assistant professor in the School of Education doctoral programs, was appointed to the executive committee for the Carnegie Project on the Education Doctorate.

The Carnegie Project on the Education Doctorate is a collaborative effort to examine the professional doctorate in education, the Ed.D. It aims to redesign the doctorate in education to better prepare education practitioners in the nation's schools, colleges and educational organizations, and to better differentiate the doctorate in education from the research doctorate in education, the Ph.D.

The role of the Carnegie Project on the Education Doctorate Executive Committee is to serve as an advisory board for the program's directors, provide input on planning and conference meetings, and to establish the direction for the consortium's research agenda. Members of this committee also oversee other committees.

Through his role with the Carnegie Project on the Education Doctorate, Ray is the principal investigator for the NDSU partner project, working to redesign NDSU's doctorate in education according to the Carnegie Project's principles to better prepare education practitioners. Additionally, he serves as a member of the Fund for the Improvement of Postsecondary Education research team studying the implementation of ongoing curricular change in doctorate in education programs across the United States. Ray co-chairs the committee to establish quality criteria for doctoral dissertations in education programs. Most recently, Ray was invited to the Carnegie Foundation for the Advancement of Teaching as part of a select team of educators to attend a pilot workshop to learn about improvement science and the Carnegie Foundation's focus on using networked improvement communities to systematically advance education at all levels nationwide through increased research collaborations.

The Carnegie Project on the Education Doctorate is sponsored by the Carnegie Foundation for the Advancement of Teaching and the Council of Academic Deans from Research Education Institutions, and supported by the Fund for the Improvement for Post-Secondary Education.

### Vice President Myers attends jubilee celebration in China



Myers

Evie Myers, vice president for equity, diversity and global outreach, recently visited China to take part in the Nanchang Hangkong University's 60th jubilee celebration Oct. 9.

Established in 1952, Nanchang Hangkong University has transformed from a vocational school into a comprehensive university specializing in engineering, science, arts and management. Located in Nanchang, Jiangzi, China, the institution has two campuses, with more than 26,000 students.

NDSU has a memorandum of understanding with Nanchang Hangkong University to promote and develop educational exchange. The invitation was extended in recognition of the institutional relationship between NDSU and NCHU.

"It was a privilege to represent NDSU at Nanchang Hangkong University's jubilee celebration," Myers said. "We are pleased to be partnering with NCHU and look forward to future collaborations between our two institutions."

In recent years, Nanchang Hangkong University has emphasized the development of cooperative agreements and student exchange programs. It currently has agreements with institutions in the United States, Japan, Canada, Ukraine, Great Britain, Australia, France, Korea and The Netherlands.

## Extension agent receives national award

Brenda Langerud, NDSU Extension agent for Ramsey County, received the Distinguished Service Award at the 2012 annual conference of the National Extension Association for Family and Consumer Sciences Sept. 24-28 in Columbus, Ohio.

The award, which recognizes members for leadership, outstanding program efforts and personal and professional development, is the highest award presented by the association.

In receiving the award, Langerud was recognized for her work with families and youth, her exemplary commitment to meeting the needs of individuals, families and communities and the range and depth of programming she has led to better the lives of families and youth in North Dakota.

North Dakota has had a member of its state Extension Association of Family and Consumer Science receive a Distinguished Service Award five out of the past 10 years.

While at the conference, Langerud attended the public affairs committee meeting and was selected chair-elect of the public issues subcommittee. Also, along with two other Extension agents from Ohio and Kentucky, Langerud presented a workshop on promoting family and consumer science programming.

Langerud is an NDSU alumna who lives in Devils Lake, N.D.

## Assistant professor helps develop accreditation organization



Jensen

Jessica Jensen, assistant professor of emergency management, participated in a focus group for the Federal Emergency Management Agency's Higher Education Program Sept. 13-14 at the Emergency Management Institute in Emmitsburg, Md.

The focus group concerned the development of an accreditation organization for emergency management higher education programs including the controversial issues of whether accreditation should be pursued, under what terms and who should do the accrediting. Jensen reported the group was able to achieve consensus around many key accreditation questions. "I believe all of the focus group members realize that emergency management education is at a critical juncture," she said. "Accreditation is one of the many issues we must address as a community. With this realization in mind, the group assembled with the intent to achieve consensus, develop recommendations for the higher education community and map a way forward with respect to accreditation of emergency management programs."

NDSU was the first institution to offer a doctoral degree in emergency management. "NDSU is known as one of the top two programs in the field," Jensen said. "Our department is considered a leader in the effort to formalize an academic discipline of emergency management."

## NDSU communicators earn awards at national event



Crawford

NDSU communicators were honored at the Sept. 20-22 National Federation of Press Women conference in Scottsdale, Ariz.,

Ellen Crawford, Agriculture Communication information specialist, was honored as one of 10 nominees for the Communicator of Achievement award. She represented North Dakota Professional Communicators in the national competition. Communicator of Achievement is the National Federation of Press Women's highest honor. Crawford serves as treasurer for both organizations.

Also at the conference, communications awards were presented to:



Koch

Crawford – second in news reporting in a publication/magazine for general or specialized circulation for articles on the NDSU Extension Service's Rural Leadership North Dakota and farm/ranch transition planning programs



Renner

Becky Koch, Agriculture Communication director – first in website development: not-for-profit, government or educational for the NDSU Extension Service flood website; first in PowerPoint for the Extension Disaster Education Network Family Preparedness educational program; first in four-color magazine/tabloid for the Livestock and Land Stewardship Ag Mag; first in electronic manuals and handbooks for the Extension Disaster Education Network Family Preparedness educational program leaders guide

Carol Renner, Research, Creative Activities and Technology Transfer communications manager – honorable mention in single news release for revolutionary biobased resins made from North Dakota crop materials, covering the research team led by Dean Webster, chair of coatings and polymeric materials; second in single feature release for research on sweets and personality by Michael D. Robinson, professor of psychology.

## EVENTS

## Sitting Bull College president to present at NDSU

The faculty is invited to an NDSU FORWARD pedagogical luncheon featuring Laurel Vermillion, president of Sitting Bull College, Fort Yates, N.D., on Monday, Nov. 5, from 11:30 a.m. to 1 p.m. in the Memorial Union Great Room.

Vermillion will discuss the importance and relevancy of culture, community and collaboration of teaching, learning and administration of the schools on the Standing Rock Reservation.

Prior to serving as president, Vermillion, a recognized member of the Hunkpapa-Lakota peoples of the Standing Rock Reservation, served as vice president of academic affairs and vice president of operations at Sitting Bull College. She also is an active board member for numerous non-profit and community service groups, including the Standing Rock Education Consortium, Standing Rock Education Leaders, North Dakota Association of Tribal Colleges, Recruiting American Indian Nurses program, Crazy Horse Memorial Foundation, Travois New Markets, American Indian College Fund and American Indian Higher Education Consortium.

Registration is requested for the luncheon and may be completed on the NDSU FORWARD website at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

## NDSU Graduate School Information Fair scheduled

NDSU has scheduled a Graduate School Information Fair Tuesday, Nov. 6, from 10 a.m. to 2 p.m. in the Memorial Union Great Room. Students from all universities and professionals are welcome. The event is free and open to the public.

Attendees can learn about NDSU graduate programs and visit with faculty and current graduate students about research opportunities and graduate assistantships.

The following presentations will be held in the Memorial Union Hidatsa room:

- 10 a.m. "Is Graduate School Right for Me?"
- 11 a.m. "How Do I Pay for Graduate School?"
- Noon "How Do I Write a Statement of Purpose?"
- 1 p.m. Graduate student panel presentation. Current students will offer advice.

For more information, email [sonya.goergen@ndsu.edu](mailto:sonya.goergen@ndsu.edu) or call 1-7033.

## Gear Up for Grants seminars scheduled

The NDSU Office of Research, Creative Activities and Technology Transfer invites faculty, students, staff and others involved in research to register and attend a series of Gear Up for Grants seminars.

Register for each seminar by contacting Kay Sizer at [kay.sizer@ndsu.edu](mailto:kay.sizer@ndsu.edu).

### "Making the Right Moves in Your Research Career"

Nov. 6, 3 p.m. to 4:30 p.m., Memorial Union Rose room

Philip Boudjouk, vice president for research creative activities and technology transfer, presents a motivational talk offering tips on getting started with a research program, writing grant proposals, scientific management and building a research career based on his extensive experience as a chemistry researcher and research administrator. The presentation is aimed at newer faculty, but researchers and students at any level are welcome.

### "Tech Transfer Basics for Faculty and Students"

Dec. 5, 3 p.m. to 4:30 p.m., Memorial Union Rose room

Tech transfer is the process when university research is transferred into the public sector through commercial development. As patents or other intellectual property protection and business agreements are critical to commercial product development, the NDSU Tech Transfer Office works to ensure these aspects of the university's intellectual assets are managed appropriately. Faculty should plan to attend to learn more about this process.

### "COS Pivot Monthly Labs"

Nov. 13, 3 p.m. to 4 p.m., E. Morrow Lebedeff 377

Dec. 4, 3 p.m. to 4 p.m., E. Morrow Lebedeff 377

Pivot monthly labs allow individuals to come to a computer cluster and get informal hands-on help setting up searches and updating their account/profile. Pivot is an online product used to conduct grant and expertise searches. Limited space is available, register ahead by contacting [kay.sizer@ndsu.edu](mailto:kay.sizer@ndsu.edu).

## Former prisoner of war headlines NDSU Veterans Day events



Bridger

In recognition of Veterans Day, the NDSU community is invited to participate in several events to honor veterans on campus and abroad. Observance will begin with a flag-raising ceremony on Wednesday, Nov. 7, at 8:05 a.m. at the Memorial Union south entrance. The ceremony will feature the Air Force ROTC color guard and a message from Provost Bruce Rafert.

At noon, guest speaker retired Lt. Col. Barry Bridger will speak in the Memorial Union Century Theater. Bridger is a highly decorated U.S. Air Force veteran. On Jan. 23, 1967, Bridger was shot down over Son Tay, North Vietnam, by a surface-to-air missile. He was subsequently captured by the North Vietnamese and imprisoned. For more than six years, Bridger was one of about 350 Americans held captive at the infamous "Hanoi Hilton" prison, where a fellow prisoner of war was U.S. Sen. John McCain.

Following Bridger's talk, all NDSU veterans are welcome to attend a reception in their honor. Bridger and Prakash Mathew, vice president for student affairs, will give messages. Vance Olson, former Staff Senate president and head of the NDSU Veterans Affinity Group, also will welcome guests.

The campus community also is invited to participate in a letter writing campaign Nov. 7. Veterans Upward Bound, part of NDSU's Office of TRIO Programs, is partnering with the Equity and Diversity Center to write letters to North Dakota soldiers of the National Guard's 818th Engineering Co. stationed in Afghanistan. The project is being conducted through the Wounded Warrior Project. A contact table outside Century Theater will be available from 11 a.m. to 1:30 p.m. in the Memorial Union and before and following Bridger's talk.

Veterans Day events are planned jointly by the NDSU Equity and Diversity Center and the Office of Registration and Records with additional support from the Memorial Union and Compass Program Foundation.

## NDSU Bookstore to host Grad Finale

The NDSU Bookstore and Herff Jones will sponsor Grad Finale on Wednesday, Nov. 7, from 11 a.m. to 4 p.m. in the NDSU Bookstore.

Grad Finale assists graduating seniors with preparation for commencement. Students can purchase a cap and gown, diploma frame, commencement announcements and a class ring. Graduation gifts also will be for sale.

Following Grad Finale, all items will be for purchase in the NDSU Bookstore.

The Office of Registration and Records, Career Center, Customer Account Services and the Alumni Association also participate in the event. Information about the Graduate School will be available.

## College schedules scholarship recognition luncheon

The 2012 College of Agriculture, Food Systems, and Natural Resources Scholarship Recognition Luncheon is scheduled for Thursday, Nov. 8, at 11:30 a.m. in the Memorial Union Great Plains Ballroom. The annual event honors scholarship donors and scholarship recipients. Letters of invitation have been sent to all scholarship donors, college faculty and students receiving scholarships in the college.

Scheduled to speak at the event are Provost J. Bruce Rafert; Vice President Ken Grafton; Abigail Debner, a senior majoring in horticulture from Winsted, Minn., and representative for the student recipients; and Michelle Swenson, North Dakota Soybean Council and scholarship donors representative. Jane Schuh, assistant dean, will introduce the donors and students.

The College of Agriculture, Food Systems, and Natural Resources has awarded more than 350 scholarships this academic year.

## Pharmaceutical sciences research lecture scheduled

The Department of Pharmaceutical Sciences and American Association of Pharmaceutical Scientists Students Chapter has invited distinguished scientist, Uday Kompella, to deliver a research lecture. He will present "Nanotechnology for Drug and Gene Delivery" on Thursday, Nov. 8, at 9:30 a.m. in Sudro Hall room 26. The lecture is open to anyone interested in pharmaceutical and biomedical research. Kompella also will meet with department faculty, graduate students and postdoctoral fellows.

Kompella is a pharmaceutical sciences professor at Skaggs School of Pharmacy and Pharmaceutical Sciences at the University of Colorado, Boulder. He earned his doctorate in pharmaceutical sciences from the University of Southern California, Los Angeles. Kompella's research focuses on nanotechnology as it pertains to drug and gene delivery via ocular, nasal and pulmonary routes of administration. The research group utilizes supercritical fluid technology for the preparation of polymeric nanoparticles, nanoporous particles, microparticles and soluble complexes used as novel therapeutic agents for the treatment of diabetic retinopathy, age-related macular degeneration, corneal angiogenesis and cancers. Kompella has published more than 125 papers, mostly in Molecular Pharmaceutics, Nanomedicine and ACS Nano. He has affiliations with eight professional organizations and serves as editor or editor-in-chief for nine biomedical journals, including Pharmaceutical Research. Kompella is fellow of American Association of Pharmaceutical Scientists and serves on the Gene and Drug Delivery study section and special emphasis panel of National Institutes of Health.

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

## Faculty mentoring expert to present at NDSU

Mary Deane Sorcinelli, associate provost for faculty development; professor of educational policy, research and administration; and director of the Center for Teaching and Faculty Development at the University of Massachusetts Amherst, Mass., is scheduled to visit NDSU Thursday, Nov. 8, to discuss mentoring with faculty and academic administrators. Her visit is hosted by NDSU FORWARD.

Sorcinelli will lead a session for administrators titled "Rethinking Mentoring: The Role of Administrators" from 9 a.m. to 10 a.m. in the Memorial Union Hidatsa room. The session is designed for deans, associate deans, assistant deans and academic vice presidents. Participants will identify priority mentoring needs of faculty; look at benefits and drawbacks of formal mentoring programs; and explore how to encourage effective mentoring in the department, college and institution.

A faculty luncheon titled "Mutual Mentoring: Moving Beyond One-Size-Fits-All Mentoring" is set for noon to 2:30 p.m. in the Memorial Union Prairie Rose room. Sorcinelli will discuss the identification of academic career roadblocks, models of mentoring, mentoring networks and best practices in mentoring.

"Helping Faculty Build Effective Mentoring Networks: The Role of

Chairs,” a workshop for department chairs and heads, is scheduled for 3 p.m. to 4:30 p.m. in the Memorial Union Hidatsa room. The session will identify potential roadblocks to success in an academic career; explore traditional and emerging models of mentoring; look at benefits and drawbacks of formal mentoring programs; and discuss best practices in mentoring for departments.

Registration for each of these events is requested and can be completed at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

Sorcinelli is a well-known researcher with more than 100 articles and book chapters. She also co-wrote a number of books, such as “Mutual Mentoring Guide, Creating the Future of Faculty Development” and “Heeding New Voices: Academic Careers for a New Generation.” In addition, Sorcinelli is co-principal investigator of a \$400,000 grant from the Andrew W. Mellon Foundation to support a campuswide Mutual Mentoring Initiative. Under her leadership, the Center for Teaching and Faculty Development was cited as a Model Faculty Development Program in the United States and Canada in 2006, and was awarded two Innovation Awards from the POD Network.

## Forums set for learning outcomes framework

Two campuswide open forums are scheduled to discuss “Six Core Questions to Frame Learning Outcomes for NDSU Undergraduates” being presented by the Core Undergraduate Learning Experiences. The forums are scheduled for Thursday, Nov. 8, and Wednesday, Nov. 14. Both forums are scheduled for 1 p.m. in the Memorial Union Century Theater.

The University Senate authorized the Core Undergraduate Learning Experiences (initially called the Undergraduate Curriculum Review Committee) in 2009. The effort was to implement a process to promote discussion and examination of the knowledge and skills graduates should have when they complete their baccalaureate degrees. The group was asked to seek input and feedback from faculty, staff, students, employers and alumni.

From November 2010 to January 2012, the group met with 460 people in 40 academic and non-academic units in listening sessions. In addition, an electronic survey focused on 29 student learning outcomes through the Group Decision Center for alumni, employers, faculty, staff and students. A qualitative comparison by the Office of Institutional Research and Analysis of the results of six surveys administered in the past decade also was conducted.

The six core questions include:

- How does the world work, and what is my place in it?
- Who am I, and how did I become that person?
- What values and practices are worth sustaining?
- How do we know what we know?
- What are the world’s problems, and what consequences do they have for me?
- How might we address the world’s problems?

The Core Undergraduate Learning Experiences group requests your input on how to improve the six questions. In addition to

open forums, you can make suggestions at <https://tt1.opinio.net/s?s=16869>.

After the Faculty Senate approves the learning outcomes, Core Undergraduate Learning Experiences will develop a range of models of general education programs to help students fulfill those outcomes and will present those models to the campus for feedback. Based on the feedback, the committee will craft a model for faculty review and the Faculty Senate’s approval.

Core Undergraduate Learning Experiences members include Marion Harris (College of Agriculture, Food Systems, and Natural Resources), Robert Harrold (Assessment, 2010-11), RaNelle Ingalls (Division of Student Affairs), Rajesh Kavasseri (College of Engineering and Architecture), Andrew Mara (College of Arts, Humanities and Social Sciences), Charlene Myhre (NDSU Libraries), Cynthia Naughton (College of Pharmacy, Nursing, and Allied Sciences), Lisa Nordick (Distance and Continuing Education), Larry Peterson (Office of the Provost/Assessment), Seth Rasmussen (College of Science and Mathematics), Susan Ray-Degges (College of Human Development and Education), Kent Sandstrom (deans’ liaison, replacing Kevin McCaul), Carolyn Schnell (University Studies) and Herbert Snyder (College of Business).

## Plant pathology professor to discuss toxic mold at Science Café



Nelson

Berlin Nelson, professor of plant pathology, is scheduled to present the November Science Café, titled “Toxic Mold – The Journey of One Fungus that Scared the Bejesus Out of the Insurance Industry,” on Tuesday, Nov. 13, from 7 p.m. to 8:30 p.m. in Stoker’s Basement, Hotel Donaldson.

The talk will focus on *Stachybotrys chartarum*, a relatively common toxin-producing black mold often found in water-damaged buildings. The mold has been found in wallpaper in Prague to the World War II battlefields in Russia to homes damaged by flooding in the Red River Valley. “It’s an interesting story of how one fungus can have multiple effects on humans,” Nelson said. “People should be aware that whenever you have any kind of water damage, you have to clean it up immediately.”

Black mold often is blamed for “sick building syndrome” and has led the insurance industry to avoid coverage for mold damage. Nelson said he will discuss the fungus’ characteristics, how it got so widespread and why it’s important. He also will discuss how to tell if it’s present in a home or office.

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

Science Café, sponsored by NDSU’s College of Science and Mathematics, features a presentation by a scientist and time for discussion with the scientist and other attendees. For more information on upcoming Science Cafes, which are held monthly, visit <http://earth.physics.ndsu.nodak.edu>.

## Scandinavian Buffet scheduled

NDSU Dining Services has scheduled the 37th annual Scandinavian Buffet for Tuesday, Nov. 13, from 11 a.m. to 1 p.m. in the Memorial Union Great Plains room.

The menu includes pickled herring, captain's salad, fresh vegetables, potato lefse and flat brod, Scandinavian blend vegetables, smordanpete nypoteter (butter-steamed new potatoes), rotomos (rutabagas with mashed potatoes), torsk seasoned with lemon and butter, kottbullar (Swedish meatballs) and lutefisk. Desserts include rosettes, romegrot, krensakaka (Norwegian wedding cake) and giftisas (Swedish cranberry desert). Beverages include water, coffee and hot cider.

The cost is \$11 per person. Call 1-8122 to make a reservation.

## Fall Discover U presenter to focus on living freely and fully

The fall Discover U is scheduled for Wednesday, Nov. 14, from 7:30 a.m. to noon in the Memorial Union Great Plains Ballroom. Theresa Rose, national motivational humorist and award-winning author, will present "The HoopWoman's Guide to Living Freely and Fully." All NDSU staff are invited and encouraged to attend the development workshop organized by Staff Senate.

Rose, a.k.a. HoopWoman, aims to educate, entertain and inspire attendees by performing and sharing lessons she has learned both in and out of the hoop. During her presentation, audience members will discover how to turbo-charge their energy and unleash their potential.

As a member of the National Speakers Association, Rose delivers programs on personal empowerment, stress management and overcoming adversity for organizations across the country. She was one of five finalists in the "So You Think You Can Speak?" competition at the National Speakers Association's 2012 annual convention. She has been interviewed by NBC, Glamour, CNN.com, Woman's Day, Good Housekeeping and Fitness.

For more information on the event, visit [www.youtube.com/watch?v=mlAwmeKBlFk&feature=youtu.be](http://www.youtube.com/watch?v=mlAwmeKBlFk&feature=youtu.be).

Registration forms have been sent to all staff. Individuals can register and pay online at [www.ndsu.edu/staff\\_senate](http://www.ndsu.edu/staff_senate). Click on <http://tinyurl.com/8ysq3s6> to pay online.

The deadline to register is Friday, Nov. 9. The cost is \$20 per person, which includes a continental breakfast and lunch.

## Promotion to professor luncheon scheduled

The NDSU FORWARD project is sponsoring a promotion to professor luncheon Wednesday, Nov. 14, from 11:30 a.m. to 1 p.m. in the Memorial Union Hidatsa room. Registration is requested and can be completed at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

Panelists include Betsy Birmingham, associate professor of English and associate dean of arts, humanities and social sciences; Mark Sheridan, professor of biological sciences and associate dean of graduate and interdisciplinary studies; and Charlene Wolf-Hall, professor and head of veterinary and microbiological sciences. Don Schwert, professor and chair of geosciences and director of the Center for Science and Mathematics Education, will facilitate the discussion.

The panelists will discuss multiple types of mentoring, the role of senior faculty in mentoring junior faculty, the campus mentoring program and the FORWARD-funded mid-career mentoring grant program.

Another promotion to professor luncheon is scheduled for Thursday, Feb. 21, from 11:30 a.m. to 1 p.m. in the Memorial Union Hidatsa room.

## Preparedness Expo scheduled

The 2012 Preparedness Expo, hosted by NDSU's Emergency Management Student Association and Department of Emergency Management, is scheduled for Thursday, Nov. 15, from 9 a.m. to 3 p.m. in the Memorial Union Great Plains Ballroom. The event provides information and education on hazard awareness and preparedness. The event is free and open to the public.

The expo will highlight several campus and community organizations that work with emergency preparedness and response. Cass County Emergency Management, Civil Air Patrol, Sanford, Fargo Fire, Fargo Police, North Dakota Department of Emergency Services, Army Corps of Engineers, Lutheran Social Services, First Link, FM Ambulance and Fargo-Cass Public Health are some of the expo participants.

NDSU emergency management students will display their rubber-duck-themed public service announcements created for their Disaster Preparedness class and will give out rubber ducks to attendees.

The event also will feature a silent auction, featuring donations from the community and campus. The auction's proceeds will benefit NDSU's Emergency Management Student Association's goals and initiatives. The auction will be open for bidding during the expo.

"This annual event provides community and campus partners who do work in the area of community and state preparedness to gather together in one place and provide information and resources that can enhance individual and household preparedness," said Carol Cwiak, emergency management assistant professor. "It is a great event for all ages to attend, but particularly for NDSU students who come to our campus from around the world. It allows them to become better acquainted with community partners, gain an appreciation of the local hazards they face, and learn more about what they can do to stay safe in an emergency or disaster.

For more information, contact Cwiak at [carol.cwiak@ndsu.edu](mailto:carol.cwiak@ndsu.edu) or 1-5847.

## PUBLICATIONS/PRESENTATIONS

### Hopkins review published in academic advising journal



Hopkins

Kay Hopkins, academic adviser in the College of Business dean's office, will have her review of the book "Social Media for Educators" published in an upcoming issue of the National Academic Advising Association's Journal. The nationally known publication is distributed twice each year to more than 11,000 association members, institutions and libraries nationally and internationally.

"We know that Kay's contribution indicates her commitment to providing quality of advising for your students as well as demonstrates her dedication to the profession of advising and the academic success of all students," Charlie Nutt, association executive director, wrote in a letter to Tim Peterson, NDSU College of Business associate dean.

The review is available on the Journal's website at [www.nacada.ksu.edu/Journal/bkrev\\_1390.htm](http://www.nacada.ksu.edu/Journal/bkrev_1390.htm).

### Animal science professor presents at Texas A&M



Park

Chung Park, professor of animal science, presented his research findings at the Reproductive Biology Forum at Texas A&M University Oct. 12. The forum was comprised of an interdisciplinary group of Texas A&M faculty members.

Park's presentation was titled "Maternally Methyl Diet and Epigenetic Imprint of Mammary Carcinogenesis in Offspring."

### Assistant professor publishes methodology research



Sassi

Kelly Sassi, assistant professor in the English department and School of Education, had an article accepted for publication in Qualitative Inquiry. "If You Weren't Researching Me and a Friend ...: The Mobius of Friendship and Mentorship as Methodological Approaches to Qualitative Research" will appear in volume 18, issue 10 in December.

The article explores the affordances and risks of practicing friendship and mentorship as methodological approaches in two qualitative studies: the mentor's study in a diverse ninth grade classroom and the protégé's subsequent study of teacher professional development in the same school. By including mentorship as an extension of "friendship as method" for qualitative research, Sassi asserts mentorship as methodology socializes peers into the conventions of qualitative research.

Sassi's research crosses disciplinary boundaries, studying social justice issues, pedagogy and writing assessment practices.

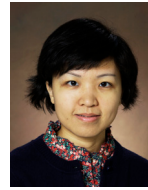
### Business faculty to publish articles



Herda

David Herda, assistant professor of accounting and information systems, and James Lavelle, a faculty member at the University of Texas Arlington, co-wrote the manuscript, "How the Auditor-Client Relationship Affects the Extent of Value-Added Service Provided to the Client." Current Issues in Auditing accepted the manuscript for publication.

This is the fifth manuscript Herda has had accepted for publication this year.



Zhang

Limin Zhang, assistant professor of accounting and information systems, had her paper, "An Exploratory Study of Social Loafing in Asynchronous Virtual Collaboration," accepted for publication in the International Journal of Information and Decision Sciences. She co-wrote the paper with Fang Chen from the University of Manitoba and Joe Latimer, NDSU computer science senior lecturer.



Szmerekovsky

Joe Szmerekovsky, associate professor of management and marketing, co-wrote the article, "Technical Note – Managing a Secret Project," which has been accepted for publication in Operations Research.

### Faculty publish articles on nursing care of Native American elders



Grandbois



Warne

Donna Grandbois, assistant professor of nursing; Donald Warne, Master of Public Health program director; and Valerie Eschiti, a colleague from the University of Oklahoma, co-wrote the guest editorial, "The impact of history and culture on nursing care of

Native American Elders." It was published in the Journal of Gerontological Nursing.



Sanders

Grandbois also co-wrote an article with Greg Sanders, associate dean of the College of Human Development and Education. Their article, "Resilience and stereotyping: The experiences of Native American elders," was published in the Journal of Transcultural Nursing.

Grandbois, Warne and Eschiti are all Native American faculty. Grandbois and Eschiti are among the fewer than 30 American Indian nurses who have earned their doctorate.



## Sociology associate professor publishes articles



Weber

Christina Weber, associate professor of sociology, had two articles published. "Putting the Family into the Military Mission: A Feminist Exploration of a National Guard Family Program" was published in *Cultural Studies Critical Methodologies*. The methodological article focuses on her work on gender and the military.

The second article, "Navigating the Gender Math Path: Understanding Women's Experiences in University Mathematics Classes," was published in *International Review of Qualitative Research*. Co-written with Angie Hodge, the article focuses on the challenges and successes of students in mathematics classes.

## HD&E faculty publish, present

Several College of Human Development and Education faculty members gave presentations, launched programs, had research published, received awards or received grants for upcoming research.

Chris Ray, assistant professor of education, was invited as part of a small team of Carnegie Project on the Education Doctorate faculty to attend a training workshop at the Carnegie Foundation in October. The workshop focused on "Networked Improvement Communities," which has become a central focus of the Carnegie Foundation's recent work and will likely become a large part of the Carnegie Project on the Education Doctorate's third phase in 2013.

Denise Lajimodiere, assistant professor of education, had a research manuscript, titled "Stringing Rosaries: A Qualitative Study of Sixteen Northern Plains American Indian Boarding School Survivors," published by the *Journal of Multiculturalism in Education* in its October issue.

Mari Borr, assistant professor of education, and Virginia Clark Johnson, dean of human development and education, along with colleagues from Central Washington University, Texas Tech University, South Dakota State University and University of Nebraska-Lincoln, had a feature article accepted for publication in the fall 2012 issue of the *Journal of Family and Consumer Sciences*. The article, "The Use of Messages and Media in an Inter-institutional, Online Approach to FCS Teacher Preparation," describes the inter-institutional master's degree program in family and consumer sciences education offered through the Great Plains Interactive Distance Education Alliance, as well as distance teaching techniques they have developed in teaching courses within the program.

The NDSU Let's Move In Home School program kicked off its inaugural year. It is a free, standards-based physical education program for homeschool children ages 5-12. More than 65 children are participating in lessons taught by senior undergraduate physical education majors under the direction of Jenny Eskew, assistant professor of health, nutrition and exercise sciences. The philosophy of the program is to provide children with enjoyable, age-appropriate physical activity experiences in an emotionally and physically safe environment while emphasizing motor skill development and personal success.

The North Dakota Association for Health, Physical Education, Recreation and Dance named Joe Deutsch, assistant professor of health, nutrition and exercise sciences, 2012 College/University Teacher of the Year. Students nominated him for the award. He also had a manuscript, "Making a Case for Having a Physical Education Specialist," accepted for publication in *Strategies*.

Kara Gange, assistant professor of health, nutrition and exercise sciences, was involved in a study with Sanku Mallik, professor of pharmaceutical sciences, which was published in *Molecular Pharmaceutics*. The study was titled "Ultrasound Enhanced Matrix Metalloproteinase-9 Triggered Release of Contents from Echogenic Liposomes."

Julie Garden-Robinson, professor of health, nutrition and exercise sciences, presented the results of a statewide Extension program, Nourish and Protect Your Skin, in September's National Extension Association of Family and Consumer Sciences Conference in Columbus, Ohio. She also presented a poster, "Spilling the Beans: The Preschool Bean Project," co-written with Extension associate Stacy Wang. "Spilling the Beans" was carried out at the NDSU Center for Child Development, and the research/education project received the Central Region first place award for nutrition education.

Jim Deal, professor and head of human development and family sciences, published "Implementing an Online Major" in *The Department Chair*; "Significant and Serious Hypohydration's Effect on Muscle Cramp Threshold Frequency" in the *British Journal of Sports Medicine*; "The Hierarchical Structure of Childhood Personality in Five Countries: Continuity from Early Childhood to Early Adolescence" in *Journal of Personality*; and "Operationalizing Family Resilience as Process: Proposed Methodological Strategies" in *Handbook of Family Resilience*.

Molly Secor-Turner, assistant professor of nursing, and Brandy Randall, associate professor of human development and family science, have been awarded a three-year, \$1,164,141 Personal Responsibility Education Program competitive grant through the Department of Health and Human Services' Administration for Children and Families. The goal of the grant is to provide comprehensive, evidence-based teen pregnancy and sexually transmitted infection prevention programming grounded in healthy youth development to vulnerable, high-risk youth in the greater Fargo-Moorhead area. The grant will be facilitated through a subcontract with Planned Parenthood Minnesota, North Dakota and South Dakota.

Larry Napoleon and Anita Welch, assistant professors of education, have been invited to present a workshop, titled "Readiness for Virtual Mediated Instruction (RVMI): An Instrument to Assess the Professional Dispositions of Successful Educators in the Virtual Classroom," at the Fourth International Conference on Education and Educational Psychology scheduled for October 2013 in Antalya, Turkey. The conference is organized by Cognitive-Counseling, Research and Conference Services, which is based in Cyprus, Turkey, in cooperation with Point Loma Nazarene University, National Taiwan Normal University and educational journals.

Brad Strand, professor of health, nutrition and exercise sciences, and Rory Beil of the Dakota Medical Foundation had an article, titled "Streets Alive! – A Community Initiative to Increase Family Physical Activity," published in *The Global Journal of Health and Physical Education Pedagogy*.

## ANNOUNCEMENTS

### FORWARD offers ally training

FORWARD Advocates will offer training for male faculty who want to serve as allies. Ally training is designed to provide male faculty with strategies to help to improve the overall climate for all faculty at NDSU and to identify ways to better recruit and retain women faculty. Training is scheduled for Friday, Nov. 16, from 11:30 a.m. to 1 p.m. in the Memorial Union Meadow Lark room. Lunch will be provided. Registration is requested and registration information can be found on the FORWARD website at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

For more information about the FORWARD Allies program, contact Sean Sather-Wagstaff, advocate coordinator, at 1-8105 [sean.sather-wagstaff@ndsu.edu](mailto:sean.sather-wagstaff@ndsu.edu) or Canan Bilen-Green, FORWARD director, at [canan.bilen.green@ndsu.edu](mailto:canan.bilen.green@ndsu.edu) or 1-7040.

### Wellness Center schedules Veteran's Day hours

The NDSU Wellness Center will be open the following hours during Veteran's Day weekend, Nov. 9-12:

- Friday, Nov. 9 – 5:30 a.m. to 10 p.m.
- Saturday, Nov. 10 – 9 a.m. to 9 p.m.
- Sunday, Nov. 11 – 11 a.m. to 9 p.m.
- Monday, Nov. 12 (Veteran's Day observed) – 8 a.m. to midnight

### Short course on using radioactive material scheduled

A "Laboratory Use of Radioactive Material" short course has been scheduled for Wednesday, Oct. 31, from 9 a.m. to 2 p.m. in the Memorial Union Hidatsa room.

The course is designed for requested new or potential users of radioactive materials in the laboratory. It also serves as a refresher course for individuals currently using radioactive materials. Successful completion of the course is required to use radioactive materials on campus, which will be verified by a passing test score. Topics include basic theory of radioactivity, biological interactions with radiation, radiation protection, minimizing exposure level, rules and regulations, and safe handling, decontamination and lab procedures. Mike Borr, radiation safety officer, will instruct the course.

Participants should bring a scientific calculator.

To register for the course, contact [stephanie.wegner@ndsu.edu](mailto:stephanie.wegner@ndsu.edu) or call 1-7759.

### Thanksgiving host families sought

The Division of Equity, Diversity and Global Outreach invites faculty and staff to participate as Thanksgiving host families for international students. This is the third year this opportunity has been offered for international students to experience Thanksgiving with a local family.

Interested faculty and staff can complete a request form available at [www.ndsu.edu/vpedgo/thanksgiving](http://www.ndsu.edu/vpedgo/thanksgiving). Contact Kyle Elekwa at [nkem.elekwa@ndsu.edu](mailto:nkem.elekwa@ndsu.edu) or 1-9498 for more information.

## POSITIONS AVAILABLE

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

**Director of Technical Services and Business Development (re-posted)**  
Northern Crops Institute  
\$90,000+/year  
Oct. 31

**Fire Management Specialist-Grants; located in Bismarck, N.D.**  
North Dakota Forest Service  
\$34,974+/year  
Open until filled

**HPC Systems Administrator (two positions)**  
Center for Computationally Assisted Science and Technology  
Commensurate with experience  
Open until filled

**Research Assistant**  
Agribusiness and Applied Economics  
Commensurate with experience  
Open until filled

**Assistant Potato Breeder/#00019268**  
Plant Sciences  
\$45,000+/year  
Open until filled

**Research Specialist**  
Animal Science  
Commensurate with training and experience  
Open until filled

**Research Specialist – Horticulture (located in Williston, N.D.)**  
Williston Research Extension Center  
Commensurate with qualifications and experience  
Nov. 12

**Research Specialist – Crop Production**  
Williston Research Extension Center  
Based on qualifications and experience  
Nov. 13

**Academic Adviser/Lecturer**  
Pharmacy, Nursing and Allied Sciences  
\$40,000+/year  
Nov. 12

**Humanities Librarian/#00019299**  
Library  
\$44,000+/year  
Nov. 5

**Systems Administrator (two positions)**  
Enterprise Computing and Infrastructure  
Commensurate with experience  
Nov. 19

**Chemist – Durum Wheat Quality/#00020693**  
Plant Sciences  
\$37,000+/year  
Nov. 12

## POSITIONS AVAILABLE CONT.

**Ag Research Technician**

Hettinger Research Extension Center  
\$25,709/year  
Nov. 5

**Bison Connection Associate/#00026855**

Bison Connection  
\$30,000+/year  
Nov. 6

**Serials and Documents Technician/  
#00023042**

Library  
\$23,500+/year  
Nov. 9

**Administrative Secretary/#00018811**

Military Sciences  
\$23,000+/year  
Open until filled

**Administrative Secretary (NDSU  
employees only)**

Human Development and Family Science  
\$16,000+/year  
Nov. 2

**Greenhouse Maintenance Mechanic-Ag  
Service Center**

Admin Facilities  
Commensurate with qualifications  
and experience  
Nov. 9

**Carpenter/#00020215**

Facilities Management  
\$43,000+/year  
Nov. 8

**Custodian (4 a.m. and 5 a.m. starts)**

Facilities Management  
\$20,384/year  
Open until filled

## CALENDAR

## OCTOBER

31 **United Way Silent Auction, Bake and Book Sale:** 11 a.m. to 2 p.m., first and second floor lobbies of IACC

31 **Judging Club Halloween Lunch:** 11 a.m. to 2 p.m., Shepperd Arena, \$5 minimum donation, includes pulled pork sandwiches, baked beans, chips and refreshments. Proceeds will benefit NDSU Judging Club.

31 **We're in this Together Panel:** noon, Memorial Union Arikara room. Panelists reflect on their experiences sharing in a loved one's journey to come out.

31 **Safe Zone Training:** Level 2: Gender Identity/Expression: 1 p.m. to 2 p.m., Memorial Union Prairie room

## NOVEMBER

1 **Safe Zone Training:** Level 1: Becoming a Safe Zone Ally: 2 p.m. to 3:30 p.m., Memorial Union Room of Nations

1 **Chemistry and Biochemistry Seminar:** 4 p.m., Ladd room 107, "Wherefore Rigidity? Building the Case for Structural Complexity in Neuraminidase Inhibitors," Jeremy E. Wulff, chemistry assistant professor, University of Victoria, British Columbia, Canada

1 **Saxophone Quartets Recital:** 7:30 p.m., Beckwith Recital Hall. Free and open to the public.

5 **Center for Writers Workshop:** 10 a.m. to 11:30 a.m., Memorial Union Meadow Lark room, "Write Well and Prosper: Science Writing Tips." For more information, contact Karen Peirce at [karen.peirce@ndsu.edu](mailto:karen.peirce@ndsu.edu).

5 **Pedagogical Luncheon:** 11:30 a.m. to 1 p.m., Laurel Vermillion, president of Sitting Bull College

5 **Plant Sciences Graduate Seminar:** 3:30 p.m., Loftsgard Hall room 114, "Interaction Between Soybean Cyst Nematode Resistance and Virulence of HG Types," Raphael Colbert

6 **NDSU Graduate School Information Fair:** 10 a.m. to 2 p.m., Memorial Union Great room

6 **Science, Religion and Lunch Seminar:** noon, Memorial Union Prairie room, "Life After Death Islam," Erkan and Esra Kose

6 **Breastfeeding/Pumping Support Group:** 11:30 a.m. to 12:30 p.m., Equity and Diversity Center

6 **PeopleSoft HRMS Training:** Position and org charting. RSVP to Elizabeth Thompson at 1-5922 or [elizabeth.thompson.1@ndsu.edu](mailto:elizabeth.thompson.1@ndsu.edu).

7 **Grad Finale:** 11 a.m. to 4 p.m., NDSU Bookstore

7 **Flag Raising Ceremony:** 8:05 a.m., Memorial Union south entrance

7 **Salute to Service, Sacrifice and Survival:** noon to 1 p.m., Memorial Union Century Theater. Retired Lt. Col. Barry Bridger will discuss his experience being shot down over Vietnam and held captive for six years in the infamous "Hanoi Hilton" prison, where a fellow prisoner was U.S. Sen. John McCain.

7 **LunchOUT:** noon. For meeting location, contact [ndsu.pridenetwork@ndsu.edu](mailto:ndsu.pridenetwork@ndsu.edu). Sponsored by NDSU Pride Network.

8 **Native American Heritage Month Opening Ceremony:** 11 a.m. to noon: Grandmother Earth's Gifts of Life Garden, Memorial Union west entrance. Rain location, Memorial Union Room of Nations

8 **International Food Festival:** noon to 7 p.m.: Equity and Diversity Center

8 **FORWARD Lecture Series on Mentoring:** Mary Deane Sorcinelli, associate provost for faculty development, University of Massachusetts Amherst, will present three presentations throughout the day. For more information and to register, visit [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

8 **Safe Zone Training:** Level 3: Upstander: 4 p.m. to 5 p.m., Memorial Union Meadow room

## CALENDAR

**8-10 Theatre NDSU presents “The Servant of Two Masters”:** Thursday-Saturday at 7:30 p.m. and Sunday at 2 p.m. Visit [www.ndsu.edu/finearts](http://www.ndsu.edu/finearts) for more information.

**9 Salsa Dance Lessons:** 5:30 p.m. to 8:30 p.m., Memorial Union Rooms of Nations

**10 Football vs. South Dakota State:** 2:30 p.m., Fargodome

**12 Veteran’s Day:** University closed

**13 Dining Services Scandinavian Buffet:** 11 a.m. to 1 p.m., Memorial Union Great Plains room, \$11 per person, call 1-8122 to make a reservation.

**13 Science Café:** 7 p.m. to 8:30 p.m., Hotel Donaldson, “Toxic Mold – The Journey of One Fungus That Scared the Bejesus Out of the Insurance Industry,” Berlin Nelson, professor of plant pathology

**14 Promotion-to-Professor Luncheon:** 11:30 a.m. to 1 p.m., Memorial Union Hidatsa room. Register at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

**14 “The Legal History of the Doctrine of Discovery”:** 3 p.m., Memorial Union Prairie room; Chase Iron Eyes, Standing Rock Nation

**15 Native American Student Panel:** 11 a.m., Memorial Union Prairie room

**15 Tri-College Career and Internship Fair:** noon to 4 p.m., Ramada Plaza Suites

**15-18 Theatre NDSU presents “The Servant of Two Masters”:** Thursday-Saturday at 7:30 p.m. and Sunday at 2 p.m. Visit [www.ndsu.edu/finearts](http://www.ndsu.edu/finearts) for more information.

**16 FORWARD Ally Training:** 11:30 a.m. to 1 p.m., Memorial Union Meadow Lark room. Register at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

**16 Salsa Dance Lessons:** 5:30 p.m. to 8:30 p.m.: Memorial Union Hidatsa room.

**16 NDSU Opera Workshop Performance:** 7:30 p.m., Beckwith Recital Hall. Free and open to the public.

**19 Technology LunchBytes:** 12:10 p.m. to 12:50 p.m., Memorial Union Prairie Rose room, “Office 365 What’s In It for Me?”

**19 Faculty Senate Meeting:** 3:30 p.m., Memorial Union Prairie Rose room

**19 Film: “Dakota 38”:** 4:30 p.m. to 6:30 p.m., Memorial Union Century Theater

**19 Jazz Combos Concert:** 7 p.m., Studio 222, Fargo. Ticket prices to be determined.

**19 Plant Sciences Graduate Seminar:** 3:30 p.m., Loftsgard Hall room 114, “Jasmonic Acid: Regulator of Plant Responses to Pathogen and Insect Pests,” Irene Roman

**20 “The Dakota Prisoner of War Letters of 1862-1869”:** 1 p.m. to 2 p.m.: Memorial Union Rose room: Clifford Canku, Sisseton Wahpeton Dakota, Lake Traverse Reservation

**20 Transgender Day of Remembrance**

**20 Percussion Ensemble Concert:** 7:30 p.m., Festival Concert Hall. Free and open to the public.

**21 New Employee Orientation Session:** 8 a.m. to 3:30 p.m., Memorial Union Great Plains room

**21 Safe Zone Training:** Level 2: Gender Identity/Expression: 1 p.m. to 2 p.m., Memorial Union Prairie room

**22 Thanksgiving Holiday:** University closed

**26 Plant Sciences Graduate Seminar:** 3:30 p.m., Loftsgard Hall room 114, “FasTrack Breeding: A New Tool Hastening Woody Plant Improvement,” John Stenger

**27 Woodwind Chamber Night:** 7:30 p.m., Beckwith Recital Hall. Free and open to the public.

**28 “American Indian Health Disparities”:** noon, Memorial Union Hidatsa room: Donald Warne, Oglala Lakota, director of NDSU Master of Public Health Program

**29 World iView:** noon to 2 p.m., Memorial Union Meadow Lark room, “Conducting Field Research in Antarctica to Find Evidence for Past Climatic Warmth,” Adam Lewis, geosciences assistant professor

**29 New Employee Orientation:** Memorial Union Arikara room

**30 Pride Network Brown Bag Meeting:** noon. For meeting location, contact [ndsu.pridenetwork@ndsu.edu](mailto:ndsu.pridenetwork@ndsu.edu).

**30 2012 Annual Diversity Conference:** “Together Building Strength” at NDSU. Visit [www.ndsu.edu/diversity/diversity\\_community\\_calendar](http://www.ndsu.edu/diversity/diversity_community_calendar) for more information.

**30 Salsa Dance Lessons:** 5:30 p.m. to 8:30 p.m., Memorial Union Room of Nations

**30-Dec. 1 Musical Theatre Troup Performance:** 7:30 p.m., Askanase Auditorium. Adults: \$5, students and seniors: \$2.

**30-Dec. 2 38th Annual Madrigal Dinners:** 6 p.m., Reineke Fine Arts Center Challey Atrium. Tickets are \$35.

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

**NEXT ISSUE** Publication date: Thursday, Nov. 15 | Submissions due: Nov. 9 at noon

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