

## NDSU officials visit North Dakota tribal colleges



Front row, from left to right: Sue Isbell, Sioux County Extension agent; Evie Myers, chief diversity officer; Kate Haugen, associate vice president for student affairs; Jaclynn Davis-Wallette, director of Multicultural Student Services; and Ron Walters, director of resource development at Sitting Bull College. Back row from left to right: Prakash Mathew, vice president for student affairs; Duane Hauck, director of Extension; Laurel Vermillion, president of Sitting Bull College; President Chapman; Janna Stoskopf, dean of student life; and Ronya Hoblit, vocational guidance counselor at Sitting Bull College.

President Joseph A. Chapman and several NDSU representatives visited North Dakota tribal colleges July 30, 31 and Aug. 1. The goal of the organizers was to develop partnerships at each college allowing both institutions to capitalize on each other's strengths.

"Through our shared vision, we will move forward in the same strategic direction creating new and exciting opportunities for students, faculty and staff at each of our institutions," Chapman said.

Representatives discussed opportunities for American Indian students and explored opportunities to

educate NDSU faculty and staff about the goals and history of each tribal college. Participants also talked about Extension and online distance education opportunities.

Prakash Mathew, vice president for student affairs; Kate Haugen, associate vice president for student affairs; Janna Stoskopf, dean of student life; Evie Myers, chief diversity officer; Jaclynn Davis-Wallette, director of multicultural student services; Duane Hauck, Extension director; and Najla Amundson, director of media relations, accompanied Chapman on the visits.

Representatives visited Cankdeska Cikana Community College, Fort Totten, N.D., and Turtle Mountain Community College, Belcourt, N.D., on July 30; Sitting Bull College, Fort Yates, N.D., and United Tribes Technical College, Bismarck, N.D., on July 31; and Fort Berthold Community College, New Town, N.D., on Aug. 1.

## Message from President Chapman

Your safety while on campus is of the utmost importance. When an emergency arises, NDSU needs to notify you as quickly as possible so that you can take the most appropriate action to ensure your safety.

As an employee of NDSU, State Board of Higher Education Policy 1902 requires you to participate in the NotiFind emergency notification system, which will be implemented Fall Semester 2008. In the event of a threat - such as severe weather warnings or threatening emergencies - alerts will be sent directly to you via cell-based telephone and text messaging, landlines and/or e-mail.

More information will be provided in the very near future, including an e-mail directing you to a secure Web site where you can enter your emergency notification information. This e-mail will be easily identifiable by the sender: [notifind@ndus.edu](mailto:notifind@ndus.edu).

Thank you for your participation in this important project.

Published by the Office of the Vice President for University Relations.

### "It's Happening at State" deadline change

Due to the Labor Day holiday, the deadline for submitting information for the Sept. 3 issue of "It's Happening at State" is noon Wednesday, Aug. 27.

### NDSU offices relocate

The Office for Equity and Diversity has moved to Old Main 205, formerly home of Human Resources and Payroll. For more information, contact Barb Pederson at 1-7708 or [barbara.pederson@ndsu.edu](mailto:barbara.pederson@ndsu.edu).

Distance and Continuing Education and the RSVP Southern Valley offices have moved to the Stop and Go Center at 1919 North University Drive. Parking is available at the front of the building. For more information, contact Connie Jadry at 1-9738 or [connie.jadry@ndsu.edu](mailto:connie.jadry@ndsu.edu).

Telephone numbers will remain the same, except for RSVP Southern Valley, which will change to 1-9753.

### NDSU Bookstore changes hours

#### First week of school Aug. 25-29

Monday-Thursday 7:30 a.m. to 6:30 p.m.

Friday 7:30 a.m. to 5 p.m.

#### Saturday, Aug. 30 and Monday, Sept. 1

Closed for Labor Day Holiday

#### Fall hours begin Sept. 2

Monday-Thursday 7:30 a.m. to 6 p.m.

Friday 7:30 a.m. to 5 p.m.

Saturday 10 a.m. to 3 p.m.

### NEXT ISSUE

Publication date: Wednesday, Aug. 27

Submissions due: noon Aug. 21

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## NDSU experiences partnership with Uganda University



Freeman

Students, faculty and administrators traveled to Uganda in June, to participate in a month-long course called "International Animal Production, Disease Surveillance and Public Health." This is the second year the course has been offered, and it is run in partnership with the veterinary school at Makerere University in Kampala.



Khaitsa

Students participated in classroom lectures and seminars and gained field experience in national parks, animal production facilities, food production facilities and HIV/AIDS clinics. They also attended a two-day symposium on "Global Infectious Diseases: Biosecurity and Agrosecurity," jointly organized by Makerere University and NDSU.



Barigye

Margaret Khaitsa, assistant professor of veterinary and microbiological sciences, is the primary instructor for the course and lead author on a U.S. Department of Agriculture Higher Education Challenge Grant that supports further development on the course and master's degree. In addition, Robert Barigye, assistant professor of veterinary and microbiological sciences, participated in assisting the development of the course. Khaitsa said students have expressed an interest in participating in next year's course.

According to Douglas Freeman, department head and professor of veterinary and microbiological sciences, Khaitsa and Barigye also are major forces in establishing the entire partnership between Makerere University and NDSU. He also said President Chapman; David Wittrock, dean of the graduate school; Craig Schnell, provost and vice president for academic affairs; Ken Grafton, dean of agriculture; and Kevin McCaul, dean of science and math; have been incredibly supportive in terms of providing expertise and funding for the project.

"This is a very significant partnership. It is a true partnership, recognizing the expertise from both universities," Freeman said. "It gives NDSU students an opportunity for what they have reported as a 'life-changing' global experience. It will help prepare our students to work in the global economy and it enhances the ability for NDSU to support a diverse and global community on campus."

Faculty and administrators from Makerere University visited NDSU during October 2007. They toured facilities and met people across campus and at the Dickinson Research and Extension Center. According to Freeman, they also began planning for a joint master's degree called Global Infectious Disease Management. "This joint degree will include classes and research opportunities in both countries," said Freeman. "This is proposed as a joint degree program (not dual degree) and will include courses at NDSU and Makerere University and some distance education offerings."

President Joseph A. Chapman and a delegation from NDSU also traveled to Uganda in July to meet with administrators, faculty and students about the opportunities available with the partnership. They also met with high-ranking government officials including the minister of higher education; the minister of agriculture, animal and fisheries; and Uganda President Yoweri Kaguta Museveni. Freeman said that as NDSU builds this part-

nership, they hope to develop more opportunities including study abroad semesters, 2 x 2 twinning programs, joint graduate training and research.

"This is a valuable opportunity for significant cultural exchange for NDSU faculty and students. We have an opportunity to be one of the first major players in developing programs and expanding beyond Makerere into the eastern and southern Africa regions," said Freeman. "Makerere graduates and faculty are already earning advanced degrees at institutions globally, including NDSU, and developing these partnerships will expand opportunities for graduate education at NDSU."

## Commission on Education Improvement receives Frank Newman Award



Flakoll and Gov. Hoeven

The North Dakota Commission on Education has received the 2008 Frank Newman Award for State Innovation from the Education Commission of the States. The award, named for the late president of the commission, recognizes excellence in state policymaking.

The commission was created in 2006 by Gov. John Hoeven to make recommendations to the North Dakota Legislature for improving funding equity and adequacy among school districts. The commission is chaired by Lt. Gov. Jack Dalrymple and comprised of 14 administrators, educators, legislators and education association representatives from around the state.

The commission was recognized for leadership and ingenuity during its nonpartisan efforts to craft legislation that addressed inequitable funding among North Dakota's school districts.

Tim Flakoll, Tri-College University provost and state senator, is among the commission members. "The secret of the work of the commission and the landmark legislation that resulted was the collective persistence of each commission member to focus on what is best for the students," he said. "The legislation came as a result of months of intense work. We had to be bold, nonpartisan and nonparochial in our work. The commission had a single guiding principle – what is the best thing to do for the students in North Dakota?"

"The work that we did on the commission and the passage of SB2200 will have a tremendous impact on K-12, higher education and businesses across our region," said Flakoll, who was the prime sponsor of the bill.

In addition to Flakoll and Dalrymple, the commission members are Superintendent of Public Instruction Wayne Sanstead; Jack Maus, Grafton Public Schools superintendent; Warren Larson, Williston Public Schools superintendent; Mark Lemer, West Fargo Schools business manager; Paul Stremick, Dickinson Public Schools superintendent; State Rep. Rae Ann Kelsch; Nancy Sand, North Dakota Education Association representative; Martin Schock, Elgin/New Leipzig Public School superintendent; State Sen. David O'Connell; State Rep. David Monson; Doug Johnson, North Dakota Council of Educational Leaders executive director; and Jon Martinson, North Dakota School Boards Association executive director.

## NDSU receives two alumni gifts totaling \$2,189,000

The NDSU Development Foundation announced the receipt and notification of two major estate gifts amounting to \$2,189,000 from alumni Darrow R. Beaton and Selina Hume.

Trustees of the estate of Hume, of Peoria, Ariz., recently informed the foundation that it will receive \$803,000 from Hume's testamentary trust. Hume died last March. She was married to the late David Hume, MS '40. Hume's gift will fund the David and Selina Hume Honors Scholarship established with the NDSU Development Foundation in 1996.

In addition, NDSU announced receipt of \$1,386,000 from the estate of Darrow R. Beaton (BS'47) of Las Vegas. Beaton died last April. The gift is comprised of \$1,075,000 in cash and the ownership transfer of Beaton's Las Vegas home.

Of the amount, \$1 million will be used to fund two \$500,000 charitable gift annuities on behalf of Beaton's two surviving daughters. Proceeds of the annuities will fund the Darrow R. and Elinor Langrebe Beaton Presidential Professorship in Entrepreneurial Studies in the College of Business.

Transfer of the home, valued at \$311,000, fulfills Beaton's pledge to the construction of Barry Hall. The balance of \$75,000 was given in support of NDSU Athletics.

## NDSU Counseling Center receives Dakota Medical Foundation grant

The NDSU Counseling Center has received a \$10,000 grant from the Dakota Medical Foundation to support the "NDSU Cares" program. NDSU Cares, which stands for Campus Awareness, Referral and Education for Suicide Prevention, is a project aimed at educating the NDSU campus community about the warning signs of suicide and steps to be taken to decrease risk.

"The Counseling Center hopes to train 900 members of the NDSU community in year one and up to 1,800 faculty members, staff members and students during the first three years of the project," said Bill Burns, Counseling Center director.

According to a study by the Centers for Disease Control, published in the *Journal of Consulting and Clinical Psychology* in 1995, 10 percent of college students admitted to having suicidal thoughts during the 12 months preceding the survey.

The National Mental Association and The Jed Foundation have estimated that 1,100 college students die by suicide every year – an average of three per day, and an American College Health Association study said 1.5 percent of the college population report having made at least one suicide attempt.

"The question before American colleges and universities is not if they should deal with suicidal students, but how," Burns said.

The NDSU Counseling Center is a nonprofit organization serving NDSU students. Services are free for NDSU students. A resource library is available and workshops are offered on areas such as stress management, depression, anxiety, meditation, academic success, career exploration, mindfulness and use of the Counseling Center.

Dakota Medical Foundation, Fargo, focuses its efforts on improving health and access to medical and dental care in the region, with a special emphasis on children. For more information on the foundation, visit [www.dakmed.org](http://www.dakmed.org).

## Distance and Continuing Education announces new online degrees

NDSU Distance and Continuing Education has announced four new online degrees that will be available beginning this fall semester. The new degrees are a bachelor's in sociology, bachelor's in university studies, a master's in communication and a master's in construction management.

The bachelor's degree in sociology offers curriculum flexibility that allows majors to pursue various interests. Areas of study include small groups, population, inequality, diversity, gender, social change, families, community development, organizations, health care and aging. The online bachelor's in sociology consists of 38 core credits with additional credits required.

The online bachelor's degree in university studies is individually tailored to meet unique needs of a particular student. Each degree plan is designed by the student with the assistance of an academic adviser. The degree is not designed to replace any existing NDSU major and all students should seek an existing campus major when such a major is available.

Graduate study in communication is beneficial for those seeking advancement in business, industry, education and the allied health professions. The online master's degree in communication consists of 30 credits, including advanced study in communication theory and practice, as well as research methods.

The master's degree in construction management prepares students for managerial opportunities in the construction industry. Students focus on key elements of estimating, scheduling, equipment and project management. The degree consists of 31 credits, which can be completed in nine months.

NDSU Distance and Continuing Education now offers a total of 16 fully online degree and certificate programs. Other master's degree options offered include community development, dietetics, family financial planning, family and consumer sciences education, gerontology and merchandising. Online graduate certificates are offered in family financial planning, food protection, gerontology, merchandising and software engineering. One additional online bachelor's degree level program is offered, which is a licensed practical nurse/registered nurse to a bachelor's of science degree in nursing.

For more information, contact Distance and Continuing Education at 1-7015 or 1-800-726-1724 or go to [www.ndsu.edu/dce](http://www.ndsu.edu/dce).

## Minneapolis-St. Paul's AM 1570 KYCR joins Bison Radio Network

NDSU has added Minneapolis-St. Paul's AM 1570 KYCR to the Bison Radio Network. Nick Novak, AM 1570 program director, Gene Taylor, NDSU director of athletics, and Jeremy Jorgenson, NDSU director of athletic broadcasting, made the announcement Aug. 13.

"AM 1570, The New Talk of the Twin Cities, is excited to have the opportunity to serve the 25,000-plus NDSU alumni in the Twin Cities area with live broadcasts of Bison football," said Novak. "Adding a great football program like NDSU to an already great lineup featuring Dennis Miller, Bill O'Reilly and Dr. Laura is a perfect fit for our growing audience."

AM 1570 KYCR is the first Twin Cities affiliate to join the Bison Radio Network and second Minnesota station joining KRCQ-FM 102.3 in Detroit Lakes, Minn.

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"We are very excited to have AM1570 broadcast our games in the Twin Cities and reach our many alumni in the area," said Taylor. "This is a great opportunity for us to expose our institution and our program to an important market for us."

The network currently has 12 stations covering 11 markets in the region. NDSU is scheduled to open the 2008 season against Austin Peay on Thursday, Aug. 28, at 7 p.m. in the Fargodome.

## Workshop held for Tribal College faculty and reservation high school teachers



Workshop participants (from left to right) Luther Olson, Chris Dahlen, Renee Aalund and Miles Pfahl test a solar/hydrogen fuel cell experiment.

Seven tribal college mathematics and science faculty and three high school teachers from North Dakota reservations participated in a workshop held July 28-30 at NDSU. The workshop is part of the Nurturing American Tribal Undergraduate

Research and Education (NATURE) program funded by the National Science Foundation and North Dakota EPSCoR to attract and retain Native American students into the science, technology, engineering and mathematics fields.

The workshop helped develop materials for Sunday Academy, one of the component activities of NATURE. Sunday Academy consists of seven one-day academic sessions during the academic year, one Sunday each month. The academies are directed toward reservation high school students. Typically, at the Turtle Mountain site, 50 to 60 students attend and at the Standing Rock, Fort Totten and Fort Berthold sites, about 15 to 20 students participate. Chad Ulven, assistant professor of mechanical engineering, coordinates the Sunday Academy component of NATURE.

In the three-day workshop, NDSU and University of North Dakota faculty worked with the participants to develop lesson plans and hands-on activities for the upcoming academic year. The lesson plans include diverse topics such as roller coasters, hydrogen/solar fuel cells, sensor technology, robotics and control, composite materials, testing for iron in water and game theory. Mathematics, science and engineering concepts relating to each topic at the appropriate level were developed. Hands-on activities were included to kindle and sustain the students' interest in math, science and engineering. Wherever possible, culturally relevant examples of applications of the topics were included.

NDSU faculty included Ulven; Majura Selekwa, assistant professor of mechanical engineering; Xiangqing Tangpong, assistant professor of mechanical engineering; Robert Pieri, professor of mechanical engineering; Uwe Burghaus, assistant professor of chemistry; and G. Padmanabhan, professor of civil engineering. Prakash Ranganathan, instructor of electrical engineering; Julia Zhao, assistant professor of chemistry; and Hanying Xu, assistant professor and director of the Environmental Research Laboratory, are the UND faculty who contributed to the workshop.

## NDSU coffee shop to reopen

At the beginning of summer, Cup of Joe, located in Bison Court West, closed for reinvention and is reopening as Cup of Joe and More. New menu items include breakfast sandwiches, hoagies, pizzas, soft pretzels, nachos, hotdogs, soups, coffee drinks, wraps and salads.

Cup of Joe and More does not have an exact date when it will reopen, but is hoping to be in full operation at the start of school or shortly after. Hours will be Monday through Friday from 7:30 a.m. to 3:30 p.m.

## NDSU hosts environmental conference

The NDSU student chapter of the Water Environment Federation hosted the second annual Joint Student Environmental Conference in Fargo Aug. 7-8. Student chapters of the federation from NDSU; the University of Manitoba, Winnipeg, Canada; and South Dakota State University, Brookings, attended the event.

The Joint Student Environmental Conference allows students and young professionals pursuing careers in water quality to meet in a centralized location to network, as well as share ideas, research and knowledge related to many current water issues the Upper Midwest is facing.

The conference consisted of 28 presentations covering topics including water treatment, wastewater treatment, groundwater remediation, storm water issues, distribution systems and other water quality issues. In addition, tours of the Fargo Wastewater Treatment Facility and the Center for Nanoscale Science and Engineering (CNSE) were offered. Attendance of a Fargo-Moorhead Redhawks baseball game and a young professionals dinner fostered networking.

Formed in 1928, the federation is a not-for-profit technical and educational organization with more than 34,000 individual members and 81 affiliated member associations representing an additional 50,000 water quality professionals throughout the world.

## Northern Crops Institute offers course on baking with soy

Ten participants from Guatemala, Honduras, Mexico and Nicaragua came to the Northern Crops Institute at NDSU to learn more about the impact of soy-fortification in baking. The Baking with Soy short course was July 28 through Aug. 1.

"This is our second year to offer this program," said John Crabtree, assistant director of the institute. "Soy has been found to be very important for nutrition and health issues. Soy flour is an easy way to add more protein into people's diets. For the past two years, the Minnesota Soybean Research and Promotion Council has provided scholarships for the course. Soy products are becoming very popular around the world, and this is a way we can promote our regional soybeans. We are looking forward to doing more soy-related programs for next year."

The hands-on laboratory course was taught by Clyde Stauffer from Technical Foods Consultants, Cincinnati, the U.S. expert in enhancing baked products with soy. Mehmet Tulbek, institute technical director, coordinated and also lectured in the course.

"In the 23 countries where I've taught, bakers show widespread acceptance of defatted soy flour for baking applications," says Stauffer. "The addition of soy flour to bread products strongly adds to bakery profits, particularly in the U.S., because it increases water absorption and dough yield. Overseas, the cost/benefit margin isn't as great because of the cost of shipping soy flour."

## Microsoft Campus Agreement provides discount to NDSU employees

Efforts by President Joseph A. Chapman, as well as the NDUS System Information Technology Services, now provide cost savings for NDSU and a benefit for NDSU employees that allow you to order your own copy of Microsoft Office for home use at a significant discount.

The Microsoft Campus Agreement represents significant savings by providing Microsoft Windows and Microsoft Office licenses for all computers owned by participating NDUS institutions.

The Microsoft Campus Agreement also allows faculty and staff to order one copy of Microsoft Office for home use for \$20.95.

For instructions on how to order your own copy of Microsoft Office for home use, see the software licensing contact for your department. A complete list of contacts is available at [www.ndsu.edu/its/rd/software-contacts](http://www.ndsu.edu/its/rd/software-contacts).

More information, including who is eligible to purchase software for home use, is available at [www.ndsu.edu/its/rd/mca](http://www.ndsu.edu/its/rd/mca).

Information on purchasing software for home use is available only through your department's software licensing contact, not through Information Technology Services.

## NDSU has new option available for creating Web sites

The Information Technology Division, in cooperation with University Relations, has developed a Content Management System using a program called TYPO3. The system allows departments to create and publish NDSU-branded Web sites.

Benefits of using the Content Management System include:

- A professional design that is consistent with other NDSU sites, and automatically formatted to guidelines developed by University Relations.
- No software purchase or installation are required. Content is managed from a Web browser.
- Training and support are provided by Information Technology Services.
- Standard navigation and link-checking is automatic.
- Multiple individuals can be designated to edit and approve content for each site.
- The system ensures that content meets accessibility guidelines.

The new system is scheduled to go live in the fall. If you'd like to sign up for a Content Management System Web site, or you'd like more information on this service, visit [www.ndsu.edu/cms/request\\_site](http://www.ndsu.edu/cms/request_site).

Visit [www.ndsu.edu/cms/request\\_account](http://www.ndsu.edu/cms/request_account) to add a user account for an existing TYPO3 site.

## Master of military logistics students participate in RFID course



Workshop participants Stephen Turner and Damon Schwan participate in the classroom session of the RFID course.

Students from the NDSU Master of Military Logistics Program participated in a radio frequency identification (RFID) course offered by the RFID Solutions Center Dayton. Based in Ohio, the firm is the world's largest and most advanced facility devoted entirely to the application of RFID technology. Alien Technology, Fargo, hosted the three-day course that ran from July 15-17.

The first two days of the course were classroom work covering the background, future, building process and application of RFID technology. The third day of the course was hands-on training where students used equipment in real-life scenarios to implement RFID technology.

According to Brian Kalk, Master of Military Logistics Program manager, NDSU is trying to integrate more RFID technology into their program and having Alien Technology so close to the university makes it that much easier. "This summer, for the first time, the RFID course is being integrated into our case studies course," he said. "It really gives the student an idea of where we came from with RFID technology and where we are going."

"This RFID course is an outstanding opportunity for students and faculty to see firsthand the unlimited capabilities of RFIDs in commercial and military applications. We plan to hold another RFID workshop next May for the incoming master's students," stated Jody Bohn, academic program coordinator for the Upper Great Plains Transportation Institute.

The Master of Military Logistics Program is a professional degree program targeted specifically at career military officers, Department of Defense civilians and other logistic professionals. The degree is tailored to the Department of Defense's strategic goals of joint officer and civilian development and logistics transformation. Because of its interdisciplinary and specialized nature, the degree offers a unique curriculum that meets all 12 points of the National Logistics Curriculum outlined by the United States Army Logistics Management College. The degree is offered by the College of Graduate and Interdisciplinary Studies and administered by the Upper Great Plains Transportation Institute.

For more information on becoming involved in the next course, contact Bohn at 1-7938.

## PEOPLE

## Alumni Achievement, Heritage and Horizon award winners announced



Christianson

The NDSU Alumni Association has announced the 2008 recipients of the Alumni Achievement Award, Heritage Award and Horizon Award. The awards will be presented at the 2008 NDSU Alumni Honors dinner on Friday, Oct. 3, at the Fargo Holiday Inn. All alumni and university friends are welcome to attend. The Alumni Honors social will begin at 5:30 p.m.



Gilsdorf

The Alumni Achievement Award is given to alumni who have excelled in their profession. The Heritage Award signifies outstanding volunteer service to NDSU. The Horizon Award recognizes individuals who graduated within the past 10 years and have distinguished themselves in their professional field and service to their community.



Maring

Claude Christianson, BS '71, and Janet Gilsdorf, BA '66, are recipients of the Alumni Achievement Award. Christianson is a lieutenant general (retired) and former director for Logistics, J4 Pentagon Joint Chiefs of Staff. He previously served as the deputy chief of staff at the U.S. Army headquarters. He has held numerous high-ranking jobs with the Army and has earned several awards including the Legion of Merit, Bronze Star Medal and the Distinguished Service Medal. Christianson is an avid supporter of NDSU and has contributed to the university's development of the master's degree program in military logistics.



Bernstein

For more than 25 years, Gilsdorf has been on staff at the University of Michigan's Medical School in Ann Arbor. She became a full professor in 1995 and is currently a professor in the Department of Pediatrics, University of Michigan Medical School and the Department of Epidemiology, University of Michigan School of Public Health. She also is director of pediatric infectious diseases in the Department of Pediatrics and Communicable Diseases at the university, director of Pediatric Infectious Diseases Service at CS Mott Children's Hospital and director of molecular and cellular biology in the Pediatrics Training Program at Ann Arbor. Gilsdorf has been referenced in numerous medical publications and has helped raise millions of dollars for grant research.

David Maring, BS '71, is the recipient of the Heritage Award. He is a civil law specialist for Maring Williams Law Office PC and is one of 20 civil trial specialists in North Dakota, certified by the National Board of Trial Advocacy. He is president of the State Bar Association of North Dakota. Maring has been an active member of the NDSU community and served on the Alumni Association's board of directors from 1993-2003. He was president from 1999-2001 and chair of the board from 2001-2003.

Ryan Bernstein, BS '00, is this year's recipient of the Horizon Award. He is chief legal counsel and policy adviser for the governor of North Dakota. Bernstein previously held

positions as a clerk for the U.S. District Court and the North Dakota Supreme Court. He also serves on the Governor's Drugs and Alcohol Prevention and Advisory Council and North Dakota Commission of Drugs and Alcohol. In March 2007, the Bismarck Tribune selected Bernstein as one of 26 "Young Guns" in the state of North Dakota who represent community leaders and movers and shakers.

## Animal sciences researchers publish work in 'Methods in Enzymology'

NDSU research scientist Pawel Borowicz; Shireen Hafez, a visiting scientist from Alexandria University, Egypt; and Dale Redmer and Larry Reynolds, both professors of animal sciences, have prepared an invited book chapter that has been accepted for publication in "Methods in Enzymology, Angiogenesis: In Vivo Systems, Part B." David Cheresch is editor of the book. The chapter is titled, "Methods for Evaluating Uroplacental Angiogenesis and their Application using Animal Models." Elsevier, New York will publish the book in 2008.

"Methods in Enzymology" is a series of scientific publications by the Academic Press, now part of Elsevier. Each volume is centered on a specific topic of biochemistry, such as DNA repair, yeast genetics or biology. The articles usually are written by experts in their respective fields and offer detailed description of experimental techniques. The series is widely used and cited in the biomedical research field.

## Chang chosen as fellow for Institute of Food Technologists



Chang

Sam K.C. Chang, NDSU professor in the Department of Cereal and Food Sciences, was elected as fellow of the Institute of Food Technologists for contributing to the chemistry, processing and quality improvement of food legumes and for developing food science programs at the university.

The position is a professional distinction given to individuals with outstanding and extraordinary qualifications and experience for their contributions to the food science and technology field. The nominee must be an institute member for 15 years and a professional member at the time of nomination.

Chang established an internationally renowned research program in edible bean and soybean food research that investigates the biochemical basis of soybean quality for soymilk, tofu and fermented natto production. He also developed rapid methods for determining the quality characteristics that soybeans must have for soymilk and tofu processing.

Chang also was instrumental in student recruiting efforts, fundraising for scholarships and revising the curriculum to gain successful re-approval of the food science program by the institute.

The institute has designated the fellowship to a select number of professional members every year since 1970. A complete list of fellows can be found at [www.ift.org/cms/?pid=1000287](http://www.ift.org/cms/?pid=1000287).

Founded in 1939, with world headquarters in Chicago, the Institute of Food Technologists is a not-for-profit international scientific society with 22,000 members working in food science, technology and related professions in industry, academia and government.

## NDSU faculty and students participate in 2008 ASABE international conference

Faculty and graduate students from the Department of Agricultural and Biosystems Engineering attended the 2008 ASABE (American Society of Agricultural and Biological Engineers) annual international meeting held June 29 to July 2 in Providence, R.I. Kenneth Hellevang, Xinhua Jia, Scott Pryor, Shafiqur Rahman, Thomas Scherer, Judith Espinoza-Perez, Lav Khot, Wajira Asanga Manamperi, Punyatoya Mohapatra and Sindhuja Sankaran represented NDSU at the conference. Hellevang participated in meetings for the ASABE board of trustees and the meetings council.

Jia, assistant professor, presented "Change of Soil Hardness and Soil Properties Due to Tile Drainage in the Red River Valley." The authors are Jia, Scherer, Thomas M. DeSutter and Dean D. Steele.

Pryor, assistant professor, presented "Integrated Use of Field Pea Starch and Corn for Ethanol Production." The authors are Pryor, Mark E. Lenling and Dennis P. Wiesenborn.

Rahman, assistant professor, presented "Fabrication and Performance Evaluation of a Surface Aeration System to Control Odor from an Aerobic Poultry Lagoon at Texas." The authors are Rahman, Saquib Mukhtar and James J. Zhu. Rahman also presented "Efficacy of a Microbial Treatment to Reduce Phosphorus and Other Substances from an Anaerobic Dairy Lagoon Effluent."

Scherer, associate professor, presented "A Site-Specific Web-Based Irrigation Scheduling Program." The authors are Scherer and Dallas J. Morlock.

Espinoza-Perez, graduate research assistant, presented "Optimization of the Epoxidation of Canola Oil." The authors are Espinoza-Perez, Wiesenborn, Chad A. Ulven and Darrin M. Haagenson.

Khot, graduate research assistant, presented "Olfactory Sensing with Adaptive Wavelet Transform for Food Safety Application." The authors are Khot, Suranjan Panigrahi, Yen Wei Chang and Jacob Glower.

Manamperi, graduate research assistant, presented "Alteration of Osborn Sequence Extraction for Isolation of Canola Proteins." The authors are Manamperi, Kow Ching Chang and Pryor.

Punyatoya Mohapatra, graduate research assistant, presented "Surface Enhanced Raman Spectroscopy Based Sensor for Pathogen Detection in Food Products." The authors are Mohapatra, Panigrahi, Catherine M. Logue and Julia S. Sherwood.

Sankaran, graduate research assistant, presented "Investigation on Selected Metal Oxide Sensor for Contamination Detection in Food." The authors are Sankaran and Panigrahi.

Jayendra Kumar Amamcharla, doctoral candidate, also participated in the 2008 graduate student research paper competition organized by ASABE. The paper, titled "Simultaneous Prediction of Acetic Acid/Ethanol Concentrations in their Binary Mixtures Using Porphyrin Based Opto-Electronic Nose for Food Safety Applications," was written by Amamcharla and his adviser, Panigrahi, earned fifth place out of 14 papers submitted.

## Baker and Vandal earn certification

Jennifer Baker, loss control and claims specialist with the University Police and Safety Office, has earned the certification as Certified Workers' Compensation Professional.

The certification award from the Workers' Compensation Center, School of Labor and Industrial Relations at Michigan State University, signifies a high level of expertise in the area of workers' compensation. The program examined all significant components of workers' compensation, including principles of disability law, claims management and insurance, safety, disability prevention, return to work programs and medical issues.

Baker is the contact person for all employee work and non-employee injuries at NDSU and has played a significant role in the reduction and prevention of serious injuries on campus.

Bill Vandal, safety specialist with University Police and Safety Office, has completed the OSHA 501 Trainer Course for general industry from the National Safety Education Council. As a certified trainer, Vandal is authorized to conduct 10- and 30-hour general industry training in accordance with guidelines provided by the OSHA Office of Training and Education. Vandal is instrumental in maintaining regulations for facility and fire inspections at NDSU and is involved in the development of the university emergency response planning.

## Sather-Wagstaff teaches in Tehran



Sather-Wagstaff

Sean Sather-Wagstaff, assistant professor of mathematics, recently traveled to Tehran, Iran, to give a mini-course titled "Applications of Semidualizing Modules."

The course consisted of 10 lectures and was held in the School of Mathematics at the Institute for Studies in Theoretical Physics and Mathematics.

Sather-Wagstaff joined the faculty at NDSU in 2007. His research focuses on a branch of mathematics known as homological commutative algebra.

## Borowicz and Grazul-Bilska participate in Frontiers in Reproduction course

Pawel Borowicz, research scientist with the Center for Nutrition and Pregnancy and the Department of Animal Sciences, participated in the six-week Frontiers in a Reproduction laboratory and lecture course held at the Marine Biological Laboratory in Woods Hole, Mass.

The Frontiers in a Reproduction laboratory program is limited to 20-24 participants per year. The lectures and labs are taught by leading investigators in the different areas of reproductive biology.

Borowicz gave a presentation of his research titled "Sheep as a model of placental angiogenesis: implications for developmental programming." In 2005, Ewa Borowczyk, a doctoral student at NDSU, also participated in the course.

Anna Grazul-Bilska, associate professor with the Center for Nutrition and Pregnancy and the Department of Animal Sciences, was an invited faculty member and also gave an invited presentation on her research titled, "Angiogenesis in ovine uterine tissues during early pregnancy." This is the third time Grazul-Bilska has been an invited faculty to this program.

## NDSU receives federal grant for transmission electron microscope



Katti

NDSU has been awarded \$673,234 from the National Science Foundation in a grant that allows NDSU to acquire a new 200 kilovolt analytical transmission electron microscope. The equipment will be housed in NDSU's Electron Microscopy Center which has been under the direction of NDSU professor Thomas Freeman and houses several electron microscopes.

The Major Research Instrumentation grant is under the direction of Kalpana Katti, professor of civil engineering; Jayma Moore, doctor of veterinary medicine and laboratory manager; and Scott Payne, assistant director of the electron microscopy center. "This instrument will have an immense impact on the materials and nanomaterials research on campus," said Katti. "This instrument will have an electron energy loss detector which is the only experimental means to measure electronic properties of materials at the nanoscale."

A nanometer, for example, is a hundred-thousandth of the thickness of a human hair, or one-billionth of a meter. Working at such a miniature scale requires special equipment. Nanoscientists use tools like atomic force microscopes to scan surfaces with an incredibly fine tip and send data to a computer, which assembles the information and displays it graphically on a monitor. The atomic force microscopes communicate high-resolution images through "touch" while teletron microscopes enable true "seeing" of the atomic scale.

The new transmission electron microscope will help prepare NDSU students for professional careers in high-tech fields, as well as advance research opportunities at the university. NDSU offers an interdisciplinary program leading to a doctorate in materials and nanotechnology.

"This acquisition is an important step forward in maintaining a 21st century research infrastructure that will keep NDSU at the forefront of science and engineering at the nanoscale," said Philip Boudjouk, vice president of research, creative activities and technology transfer at NDSU.

Katti is a university distinguished professor at NDSU and recipient of a National Science Foundation CAREER award, which recognizes and supports the early career-development activities of scholars who are likely to become the academic leaders of the 21st century. The National Science Foundation grant is titled "Multi-User Research Instrumentation: Acquisition of a Multi-Purpose Analytical High-Resolution Transmission Electron Microscope Research Center in NDSU's Central Multi-User Microscopy Facility."

## NDSU researchers published in Chip Scale Review

Smaller and faster are two goals in today's electronics market, and an article in an international trade publication shows how NDSU researchers design and build such electronics packages. A case study by researchers in the Center for Nanoscale Science and Engineering (CNSE) at NDSU was published in the July 2008 issue of the Chip Scale Review magazine.

"Case Study: Building a Two-Chip Stacked Package" was written by Fred Haring, research technician; Chris Hoffarth,

engineering technician; Syed Sajid Ahmad, manager of engineering services; John Jacobson, senior design engineer; and Aaron Reinholz, associate director of electronics technology. CNSE staff members Linda Leick, Darci Hansen, Matt Sharpe and Meridith Bell also contributed significantly to the project.

With the increasing demand for more functionality and smaller size with portable devices such as cell phones, mp3 players and GPS units, the performance and size of individual electronic components have become critical. The case study details how CNSE researchers design and manufacture a chip scale package. Engineering a single package housing multiple chips stacked vertically one on top of the other results in smaller and more efficient packages for devices. For example, CNSE researchers have successfully reduced the size of two electronics components by 75 percent.

Two or more processors packaged in a single package will result in an overall package size smaller than each individual package, yet will have the combined computing power of the two individual integrated processors. The case study walks through this two-chip stacked package process at CNSE, discussing stacked-die design considerations, substrate limitations, stack configuration, assembly process, process documentation, wire bonding, laser marking, ball attaching, singulation, inspection, testing and hallmark successes of system completion.

Haring earned his bachelor's degree in archeology from Moorhead State University, Moorhead, Minn. Prior to joining CNSE at NDSU in 2002, Haring worked in the NDSU industrial engineering department as a facilities set-up and machinery technician. He is a fabrication technician for the surface mount technology and chip scale packaging lines.

Hoffarth earned his associate's degree in electronics technology from North Dakota State College of Science, Wahpeton, N.D. Hoffarth was a surface mount technician at Vancisco Electronics in Valley City, N.D., before joining CNSE at NDSU in 2005. He manages the surface mount technology and chip scale package lines.

Ahmad earned his master's degree in experimental physics from the University of the Punjab and his master's degree in theoretical physics from Islamabad University, Pakistan. Ahmad was employed by Micron Technology conducting development and implementation of advanced packaging prior to joining CNSE at NDSU in 2003. At CNSE, he manages the research and manufacturing capabilities in the areas of thin film, thick film, chip scale packaging and surface mount technology.

Jacobson earned his bachelor's degree in electronics technology from Arizona State University, Tempe. Prior to joining CNSE at NDSU in 2004, Jacobson was a materials engineer at Micron Technology, Boise, Idaho. He leads design and electrical modeling of chip scale packaging efforts.

Reinholz earned his bachelor's degree in electrical engineering from NDSU. Prior to joining CNSE at NDSU in 2004, Reinholz served as an engineer at Rockwell Collins Inc., Cedar Rapids, Iowa, for 13 years. He directs the CNSE engineering organization overseeing engineering services, coordinating industry partners, executing multiple projects and managing laboratory space.

Chip Scale Review is produced for a worldwide audience of engineers, specialists, researchers and end-users of chip-scale electronics, with a circulation of 24,000 worldwide.



## Scientific article featured in American Chemical Society news

Center for Nanoscale Science and Engineering (CNSE) researchers and faculty associates were featured on the American Chemical Society's Web site, *www.acs.org*, in July and August. The published article about screening anticorrosion coatings was featured in July on the society's homepage under the News and Research section.

The article, "Combinatorial Material's Research Applied to the Development of New Surface Coatings X: A High-Throughput Electrochemical Impedance Spectroscopy Method for Screening Organic Coatings for Corrosion Inhibition," was published in the *Journal of Combinatorial Chemistry* in June 2008.

The authors of the article include Jie He, James Bahr, Bret Chisholm, Zhigang Chen and Séva Balbyshev from CNSE and Jun Li, Verena Bonitz and Gordon Bierwagen from the Department of Coatings and Polymeric Materials.

## NDSU students win NASA internships

Prestige, money and a summer of rigorous work are the rewards that five gifted NDSU students earned through academic excellence and the North Dakota Space Grant Program.

Two NDSU students received prestigious research fellowships through the NASA Space Center Summer Internship Program. In addition, three students received summer research positions at NDSU through the new Space on the Prairie Summer Research Fellowship Program. Both programs are funded by the NDSGC using federal and state dollars.

Through the federally-funded internship program, Peter Barfknecht, a senior majoring in mechanical engineering from Embarrass, Minn., and Aaron Fisk, a senior majoring in mechanical engineering from Langdon, N.D., are studying and conducting research at NASA facilities this summer. Each received a \$6,000 fellowship and round trip transportation expenses.

Barfknecht is working at the Goddard Space Flight Center, Greenbelt, Md., while Fisk is at the Jet Propulsion Laboratory, Pasadena, Calif.

"They are working with NASA's top-of-the-line people," explained Suzzette Bieri, deputy director of the program, noting Barfknecht and Fisk were in competition for the internships with students from across the country. "These summer internships allow them to make contacts with very important people in NASA."

Barfknecht's summer project involves research and development of the Constellation-X satellite, which is an X-ray telescope that will peer into deep space to investigate supernovae, super-massive black holes and distant galaxies.

"I am proud to represent NDSU here at Goddard Space Flight Center," Barfknecht said. "It is truly a unique experience to work with some of the brightest scientists and engineers on some of the most advanced scientific projects in aerospace."

According to Barfknecht, he is facing many challenges in his work. "X-rays are very difficult to focus since they are absorbed by or pass through most materials. A special type of mirror is required to reflect the X-ray photons. The rays must skim the surface at a very shallow angle," he said. "Also, the mirrors must be extremely thin and smooth to within a few microns. The telescope will use several hundred of these

arranged in concentric shells. The challenge is to produce, align and mount the mirrors without distorting them out of focus."

Fisk, meantime, is working on development and testing of fiber-reinforced composite materials with enhanced material properties at the JPL Materials Testing Lab. "Receiving the acceptance letter for a summer internship position was an astonishing honor," he said. "It is a great opportunity for students from North Dakota, or anywhere, to be given this prestigious honor and experience."

Bieri said three other NDSU students received full-time research opportunities through the state-funded Space on the Prairie Summer Research Fellowship Program. They are Niccole Schaible, a graduate student in electrical and computer engineering from Mott, N.D.; Curtis Engelhart, a senior majoring in chemistry from Bismarck; and Cody Satterlee, a senior majoring in electrical engineering from Williston.

Each student received \$6,000 for the fellowships. This is the first year for the program, and if successful, the program is expected to expand in the future.

Schaible and Satterlee are working in the cardiovascular laboratory of Daniel Ewert, professor and chair of electrical and computer engineering. Engelhart is working in the laboratory of Mukund Sibi, NDSU distinguished professor of chemistry and molecular biology.

"Our North Dakota students, with their intelligence, creativity and work ethic, can compete with students anywhere in the United States," Bieri said. "These students are outstanding, and it is exciting to see the valuable work they are doing is in line with the vision of NASA."

According to the consortium's Web site, North Dakota first received a Space Grant College Capability Enhancement Grant from NASA in 1990. The North Dakota Space Grant Program is headquartered at the Department of Space Studies at the John D. Odegard School of Aerospace Sciences at the University of North Dakota. The program's mission is to make the education and research infrastructure in North Dakota more NASA-relevant.

## NDSU Alumni Association hires new program director



Martin

The NDSU Alumni Association has hired Stephanie J. Martin as program director. She will create, plan and execute programs for more than 70,000 NDSU alumni and friends. Martin also will be co-adviser to the student organization, Bison Ambassadors.

A native of Washburn, N.D., Martin graduated from NDSU in December 2006 with a bachelor's degree in hospitality and tourism management with minors in business and history. During her college years, she was involved with Bison Ambassadors, Alpha Gamma Delta Fraternity, Panhellenic Council, Gamma Chi Lambda (Greek Community Leadership) and the Hospitality Student Association.

Before her return to NDSU, she was a guest services host with Telluride Ski and Golf Co. in Telluride, Colo. Most recently, she was a traveling leadership consultant on the international level with Alpha Gamma Delta Fraternity based out of Indianapolis.

## Graduate Students receive ND EPSCoR Doctoral Dissertation Research Awards

Four NDSU students are recipients of the Doctoral Dissertation Award program through the North Dakota Experimental Program to Stimulate Competitive Research (ND EPSCoR). The recipients will receive a total of \$141,110 in stipend support over two years.

Award winners and their advisers are:

- Samali Datta, coatings and polymeric materials, professor Dean Webster;
- Sumathra Manokaran, chemistry and molecular biology, professor D. K. Srivastava;
- Monika Michalak, plant sciences, associate professor Shahryar Kianian; and
- Senthil Kumar Natesan, pharmaceutical sciences, professor Stefan Balaz.

The Doctoral Dissertation Award program is designed to increase the completion rate of doctoral students enrolled in the science, engineering and mathematics disciplines at North Dakota's two research-intensive universities. It also increases the number of competitive proposals submitted to the National Science Foundation.

North Dakota EPSCoR is a federally and state funded program designed to improve the ability of university researchers to compete more effectively for federal, regional and private research grants in the sciences, engineering and mathematics. For more information on the program, visit [www.ndepsco.nodak.edu/programs](http://www.ndepsco.nodak.edu/programs) or contact Elizabeth Jung at 1-1048.

## NDSU nanoparticle research appears in Review of Ophthalmology



Mallik

While nanotechnology is being used in everything from paints to car exteriors, clothing and cosmetics, research also is under way using the technology to discover medical breakthroughs. Nanotech research by Sanku Mallik, professor of pharmaceutical sciences, and his group at NDSU appears in the July issue of the *Review of Ophthalmology* in the article "Nanoparticles: Into the New Frontier."

The article by senior editor Christopher Kent notes that cutting-edge work is being done in North Dakota, Oklahoma and Florida. The promise of such research includes finding treatments for eye diseases such as glaucoma and macular degeneration. Mallik conducts research that uses a nanoparticle called nanoceria as a drug delivery device. It is made of cerium oxide molecules. The brain-blood barrier can prevent medicines from reaching their therapeutic targets, but nanoparticles are so small they are capable of crossing the brain-blood barrier. Quoted in the article, Mallik notes, "So far, nanoceria appears to be non-toxic, but the drugs we attach to the particle might be toxic, so targeting molecules are necessary. These particles also can be used for imaging; we can attach molecules that can be made to glow after they reach targets such as cancer cells."

The pharmaceutical research of Mallik's team includes attaching anti-cancer drugs to nanoparticles and targeting molecules so particles only enter cells in need of treatment. Nanotechnology is often defined as the science of the extremely small.

Mallik recently received a five-year, \$1.46 million grant from the National Cancer Institute. D. K. Srivastava, professor of biochemistry and molecular biology at NDSU, is the co-investigator on this award. It relies on the complementary scientific expertise of Mallik and Srivastava. The grant will allow the investigators to prepare selective, "multi-prong" inhibitors for matrix metalloproteinases using lipid-based nanoparticles. They also will use the nanoparticles for isozyme-selective detection of these enzymes.

Mallik earned his bachelor's degree in chemistry from the Indian Institute of Technology, Kharagpur, India, and doctorate in organic chemistry at Case Western Reserve University, Cleveland, Ohio. He completed postdoctoral work at the California Institute of Technology, Pasadena. He is a past recipient of a National Science Foundation CAREER award, which recognizes and supports the early career-development activities of scholars who are likely to become the academic leaders of the 21st century.

## Department of Visual Arts names Thomasson billboard artist

The NDSU Department of Visual Arts has named Richard S. Thomasson as the current billboard artist. The billboard features his lithographic print titled "Sticks." It will be on display through October. Located on Northern Pacific Avenue near 8th Street North in Fargo, the billboard features the artwork of a different NDSU Visual Arts student several times a year.

"Sticks" is a composition piece consisting of 50 one foot by one foot limestone lithographic prints of the same image arranged to form a pattern. By doing this, the negative space, or white areas, of the piece become as powerful as the positive space. The longer an observer views the print, the more images they will see.

Thomasson, a Cavalier, N.D., native, is a senior majoring in geology and visual arts with a minor in anthropology. His focus as an art student is in printmaking and ceramics, although he also works in painting and sculpture. Thomasson is the former owner of Valhall Body Art in Walhalla, N.D.

## Faculty assume ag leadership roles



Logue

The North Dakota Agricultural Experiment Station and NDSU's College of Agriculture, Food Systems, and Natural Resources have appointed two faculty members to administrative positions.

Catherine Logue, associate professor in the Department of Veterinary and Microbiological Sciences, has accepted a partial appointment as assistant director of the North Dakota Agricultural Experiment Station.



Meyer

With her 30 percent appointment, Logue will be responsible for reviewing North Dakota Agricultural Experiment Station and federal Hatch Act-funded project proposals and Current Research Information System reports. She takes over that role from Don Kirby, now the director of NDSU's School of Natural Resource Sciences.

Dwain Meyer, professor in the Department of Plant Sciences, will serve as interim chair of the department. Meyer began his duties on Aug. 1 and will remain in the position until a national search for a permanent chair is completed successfully.

## Wagner receives funding to research pain relief in lame dairy cows



Wagner

Sarah Wagner, assistant professor of animal sciences, and Jeffrey Rushen, research scientist with Agri-Food Research Centre in Agassiz, British Columbia, have been awarded a two-year, \$99,954 grant from the U.S. Department of Agriculture Cooperative State Research, Education and Extension Service National Research Initiative to examine the efficacy and reliability of novel, quantitative methods for measuring pain relief in lame dairy cows treated with analgesic drugs.

The research will help establish new methods of evaluating drug therapy in lame cattle, validate certain drug regimens for use in lame cows and provide tools for use in future projects investigating the pharmacological properties of drugs and the treatment of lameness in other types or species of livestock.

According to Wagner, lameness causes decreased milk production and increases the risk of developing other diseases, so developing effective regimens to alleviate the pain of lameness has the potential to improve the efficiency and productivity of dairy operations.

## Rathge presents at National Press Club



Rathge

Richard Rathge, director of the North Dakota State Data Center and professor in the Departments of Sociology, Anthropology, Emergency Management and Agribusiness and Applied Economics, was invited to speak at the National Press Club in Washington, D.C.

Rathge presented findings from a summit series on livable communities. Congressional Quarterly and the AARP sponsored the event. The goal of the study was to identify community elements that enhanced livability.

Fargo was selected along with Pittsburgh, Charleston and Phoenix as venues for discussion. A series of half-day policy summits were convened in these communities to consider what elements contribute to livable communities. A cross section of stakeholders was brought together in each community including government leaders, community activists and policy experts from diverse fields such as demography, transportation, housing, urban planning, economic development, environmental advocacy, education, health care and the arts.

### EVENTS

## Part-time Jobs Fair scheduled

The NDSU Career Center has scheduled the Part-time Jobs Fair for Thursday, Sept. 4, from 11 a.m. to 2 p.m. in the Memorial Union Great Plains Ballroom.

According to Kim Teske, Career Center technology and events coordinator, the Part-time Jobs Fair is an opportunity for NDSU departments to publicize non-work study job openings. More than 500 students attended the event last year.

The deadline for departments to register is Friday, Aug. 29. Register online at [www.ndsu.edu/careercenter/employers](http://www.ndsu.edu/careercenter/employers). For more information, contact Teske at 1-7112.

## 5K Run and One-Mile Fun Walk/Run scheduled for Sept. 4

The seventh annual 5K Run and One-Mile Fun Walk/Run will be held Thursday, Sept. 4, at the NDSU Wallman Wellness Center. Registration begins at 5 p.m. and events start at 6:30 p.m.

The 5K Run and One-Mile Fun Walk/Run are open to all ages with men's and women's divisions in many age groups. There will be activities for the entire family, including a Diaper Derby for children ages two and under, and the Kid's Quarter Mile for ages three through 12. Prizes will be awarded to the top finisher in the 5K Run and Team competition. All Diaper Derby and Kid's Quarter Mile participants will receive prizes.

Entrance fees are \$20 for the 5K Run (competitive), \$15 for the 5K Walk/Run (non-competitive), \$10 for the One-Mile Fun Walk/Run and \$5 for the Diaper Derby and the Kid's Quarter Mile. Proceeds from the run and walk benefit the student group of National Intramural and Recreation Sports Association.

You also are invited to bid on more than 25 great prizes and packages in the 5K Silent Auction at the Wallman Wellness Center. Proceeds from the auction go toward programming for the NDSU Wellness Education Leaders. For more information, go to [www.ndsu.edu/wellness](http://www.ndsu.edu/wellness).

## Living Learning Center to celebrate grand opening

A grand opening for the Living Learning Center West will be held Thursday, Aug. 28, at 3 p.m. in the center's plaza. The newest residence hall on campus will house 166 students. Total cost of the project was \$10 million, financed through revenue bonds.

Living Learning Center West is a four-story residence hall made of brick, cut stone and concrete. Total square footage is 73,586. Tours of the east and west buildings will begin at 2 p.m. and a reception and more building tours will follow the program.

When the Living Learning Center East building opened in 2003, the university intended for a second residence hall to be built as its mirror image.

The address is 1435 18th Street. Parking is available in the FA lot, north of the Living Learning Center complex. The entrance to the lot is located on 15th Avenue North. For special accommodations, contact Lisa Mann at 1-7701 or [lisa.mann@ndsu.edu](mailto:lisa.mann@ndsu.edu).

## Alumni Association to welcome new students with lunch

The Alumni Association is sponsoring a welcome picnic for new NDSU students and their parents on Saturday, Aug. 23, from 1 p.m. to 3 p.m. at the Alumni Center. The "New Student Bash" will take place during move-in to the residence halls, and will be the first NDSU gathering to welcome new students and their parents into the NDSU family. More than 1,100 parents and new students, including freshman and transfer students are expected to attend the picnic.

A free lunch will be provided and a gift given to all students who attend. Representatives from the academic colleges and Bison Athletics also will be present. For more information, contact Beth Roybal at the Alumni Association at 1-6804.

## Higher Education Compliance Assistance Symposium to be held Sept. 9

NDSU's Office for Equity and Diversity and the American Association for Affirmative Action are hosting the first annual Higher Education Compliance Assistance Symposium on Tuesday, Sept. 9, from 8 a.m. to 4 p.m. in the Prairie Rose Room in the Memorial Union.

Top professionals in their fields will discuss important matters of today that will help each of us in our work make sure that we are in compliance with state and federal laws. Topics include Systemic Discrimination and Recordkeeping; The ABCs of EEO; Hiring Foreign Nationals; Immigration Compliance; Affirmative Action: Past, Present and Future; Wage and Hour 101; and Legal Update: Recent Court Decisions and Their Impact on Employers.

Brochures and registration information are available from the Office for Equity and Diversity, Old Main 205, or by calling Barb Pederson at 1-7708.

### CALENDAR

#### August

- 20 Resume weekly schedule of "It's Happening at State"
- 25 Classes begin at 4 p.m.
- 26 First full day of classes
- 28 Football vs. Austin Peay, 7 p.m., Fargodome
- 30 "Yatra – Journey Through Timeless India," sponsored by Association of Students from India and Indo-American Association of Great Plains, 6:30 p.m., Festival Concert Hall, \$5 general admission, children under 12 get in free

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#### Non-discrimination Policy

North Dakota State University does not discriminate on the basis of race, color, national origin, religion, sex, disability, age, Vietnam Era Veterans status, sexual orientation, marital status or public assistance status. Direct inquiries to the Executive Director and Chief Diversity Officer, 202 Old Main, 1-7708.

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#### University Relations

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