

NDSU

VOLUME 1 ISSUE 28

IT'S HAPPENING AT STATE

DECEMBER 9 2009

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

Hanson begins serving as NDSU's interim president

Richard A. Hanson began serving as interim president of North Dakota State University on Dec. 1 and sent the following message to the NDSU community:

"Friends, colleagues, North Dakotans,

"It is an honor to serve as interim president of North Dakota State University. NDSU is a fabulous university with a deep tradition of excellence that is carried on by committed faculty members, an energetic cadre of current students, a broad and impressive group of alumni and by a hard working and loyal staff. My role during this interim period will be to provide leadership to the university and carry the banner for the core values and traditions of NDSU during this important transition period. I am committed to an environment of transparency and collaboration as we move forward.

"Under the leadership of President Joseph A. Chapman, NDSU posited seven core values: Land-grant, people, scholarship, teaching and learning, ethics, culture, and accountability. From these values have emerged five primary themes, which will form the basis of this interim period: It is About People, Students are Paramount, Programs, Leveraging Support, and Stature. During this interim period, It's About People and Students are Paramount will be themes guiding our work together. These themes will form the base for this transition period. They embody the strengths that have been part of NDSU for decades. In addition, Leveraging Support, Programs, and Stature are very important to the citizens of North Dakota. We will continue to work hard to bring opportunity in the form of people and businesses to the state to contribute to a diverse and healthy economy. The good work of educating young people, developing the leaders of the future, contributing to the well being of the state, the nation and the world, will continue, and NDSU will thrive and prosper!

"Transitions between presidents are challenging but normative periods in the life of a university. As soon as schedules can be worked out, I will meet with students, faculty and staff, as well as citizens and policy makers in order to become familiar with the issues requiring attention. Together we will move this institution forward.



"Finally, when speaking of the future of this great land-grant institution, we must be reminded what Abraham Lincoln said: "Teams out perform individuals." As a Land-Grant Research University, the team of faculty, staff and students here at NDSU will continue to create a better future for all North Dakotans."

Richard A. Hanson, Ph.D.
President

Most recently, he was president of Waldorf College, Forest City, Iowa. Prior to joining Waldorf College, he was vice president for academic affairs and dean at Augustana College, Sioux Falls, S.D., from 1995 to 2005. He held a number of roles at NDSU, including Interim Vice President for Academic Affairs in 1995, and Interim Dean of the College of University Studies from 1994-1995, Associate Vice President for Academic Affairs from 1992 to 1995 and Associate Director of Human Development for the North Dakota Extension Service in 1991 and 1992. He was chair of the Department of Home Economics at California State University, Chico, from 1979-80.

A native of Hillsboro, N.D., Hanson earned a bachelor's degree in sociology and a master's degree in child development and family relations, both from NDSU. He earned a doctorate in applied behavioral science from the University of California, Davis. He played football for NDSU, then for the New York Giants in 1971 and 1972, prior to becoming a graduate assistant football coach at NDSU.

NDSU www.ndsu.edu/itshappening

'It's Happening at State' schedule reminder

"It's Happening at State" will not be published on Dec. 23 or Dec 30. The next scheduled publication is Jan. 6. The submission deadline for that issue is noon, Dec. 30.

Holiday hours announced

NDSU Holiday hours will be observed Monday, Dec. 21, through Thursday, Dec. 31. Hours will be 7:30 a.m. to 4 p.m. with a 30-minute lunch break. Regular hours will resume Monday, Jan. 4.

NDSU Bookstore at Cityscapes preparing to open soon

The NDSU Bookstore will open another location called NDSU Bookstore at Cityscapes at 630 1st Ave. N., Suite C, in Fargo. More information to come soon.

Holiday open house planned

President and Mrs. Hanson cordially invite you to a Holiday Open House on Thursday, Dec. 10, from 2 p.m. to 4 p.m. at the president's house.

Career Center employment survey shows hiring slowdown

The nation's economic downturn is clearly demonstrated in the latest annual employment report prepared by the NDSU Career Center. According to the survey of recent NDSU graduates, one in five are active in a job search three months after graduation. A total of 78 percent of respondents are employed or furthering their education.

The "Annual Employment Report - 2009," is based on 1,340 responses from graduates who earned bachelor's degrees for the terms ending in August 2008, December 2008 and May 2009.

According to the report, 705 respondents, or 52.6 percent, said they are employed. Of that number, 614 respondents, or 87.1 percent, reported being employed in a position related to their major or minor, and 44 said they are working in part-time positions. The survey found that 268 respondents, or 20 percent, are active in a job search, while 340, or 25.4 percent, reported "post baccalaureate and professional" education.

Graduates reported accepting employment in 37 states and four other countries. A total of 394 respondents, or 55.9 percent of employed respondents, reported they had accepted positions in North Dakota.

"The Annual Employment Report is a much-anticipated indicator of how our NDSU graduates succeed in securing employment or continuing their education," said Jill Wilkey, Career Center director. "The number of graduates still seeking employment three months after graduation is not surprising given the state of the college labor market. They face fierce competition. Job seekers today need to be focused, directed and connected to succeed in becoming employed."

Wilkey also noted the average annual "related" reported salary was \$41,000 and the highest reported salary was \$97,000.

Since 1995, the survey has provided an annual snapshot of the graduate employment rate. Graduates are questioned through electronic surveys, mailed surveys and telephone calls.

Located in Ceres Hall, the NDSU Career Center is a comprehensive employment information and resource center that connects students and alumni with employers. The center coordinates such events as the Part-Time Jobs Fair, Engineering and Technology Expo, Tri-College Graduate School Day, Tri-College Career and Internship Fair, North Dakota Education Connection, Summer Jobs Fair, Spring Career Fair and Meet the Firms.

NDSU partners in \$40 million teacher education initiative

NDSU is a partner in the far-reaching "Teacher Effectiveness Initiative" funded through a \$40 million grant from the Bush Foundation. The new initiative, which is designed to transform teacher preparation programs, was announced at a Dec. 3 news conference.

NDSU is partnering with Valley City State University and Minnesota State University Moorhead for the local effort, which is part of a \$40 million total initiative involving 14 institutions in Minnesota, North Dakota and South Dakota.

"The greatest gift is the gift of a great education," said Peter Hutchinson, Bush Foundation president. "We believe that over the decade we can significantly raise the achievement of every student and reduce disparities among student groups."

Hutchinson said 40 percent of the tri-state region's 72,000 teachers are expected to leave or retire by 2020. He emphasized a need to recruit and prepare quality teachers, saying the total Bush initiative may result in at least 25,000 new teachers during the next 10 years. The local partnership estimates 250 annual graduates.

"It's really fun to see the power of partnership expressed in this grant proposal," said NDSU President Richard A. Hanson. "I want to thank our partners for making this happen because we will be stronger together than we would be separately."

The initiative will target middle school, high school and college students and career transition professionals with customized recruitment approaches. The partnership plans to offer students a variety of certificates, such as English language learners, reading, special education and Science, Technology, Engineering and Mathematics (STEM). Prospective teachers will be placed in partnering schools that share the goal of developing highly effective teachers. New teaching graduates also will have support through mentors and online training.

"This partnership is going to only help our students in the future. Our goal is to improve teacher education programs so that all of our students that graduate will be effective teachers," said Gary Thompson, dean of the School of Education and Graduate Studies at VCSU.

Susan Severson, professor in the School of Teaching and Learning at MSUM, said, "We are excited about teacher education reform. We think we are on the right page, and we've explored so many new ideas. It's been very exciting."

NDSU anticipates funding from the grant to continue through 2014. Virginia Clark Johnson, dean of the NDSU College of Human Development and Education, said, "In the grant, they talk about transforming teacher education and I really think this has the potential to do that. Thanks to all the faculty, schools and administrators – it's been fun to see this pull together."

In addition to NDSU, VCSU and MSUM, other participating institutions include Augsburg College, Bethel University, Concordia University-St. Paul, Hamline University, Minnesota State University-Mankato, University of Minnesota, St. Catherine University, St. Cloud State University, University of St. Thomas, University of South Dakota and Winona State University.

The foundation was established in 1953 by 3M executive Archibald Bush and his wife, Edyth. According to its Web site, the foundation "strives to be a catalyst to shape vibrant communities in Minnesota, North Dakota and South Dakota and the 23 Native nations that share the states' geography by investing in courageous and effective leadership that significantly strengthens and improves the well-being of people in these areas."

Staff Senate supports new library

The NDSU Staff Senate has approved a resolution supporting construction of a new main library on campus. The vote of support came at the group's Dec. 2 meeting and is in agreement with a similar resolution earlier approved by Student Senate.

The resolution states the present main library is not able to provide adequate space for collections or individual and group study, and does not meet the academic needs of the NDSU community. The resolution said the facility is significantly below the standard set by peer institutions in collections, study space, resources, hours of operation, size of staff and aesthetics.

The resolution asks "immediate action take place to develop plans for the construction of a new main library on the campus of North Dakota State University which exceeds those of our peer institutions in all aspects and meets the projected growth of our university" and "NDSU Staff Senate implores university officials to recognize, consider and act upon the academic needs of the NDSU community through the construction of a new main library."

According to Vance Olson, Staff Senate president, "By passing this resolution Staff Senate is showing support of the Student Senate's efforts to help bring our library facilities, collections and resources to a level befitting NDSU's academic excellence."

The current main library dates from 1950, with a 1980 addition that was intended to serve 8,000 students. The total area of the building is 95,000 square feet. Following the 2000 flood, collection and study spaces were reduced to absorb Publications Services, the Writing Center and Information Technology Services computer cluster classrooms. Initially intended as a temporary move, the Institute for Regional Studies and the University Archives were relocated to leased space in the Skills and Technology Center, which lacks climate controlled environment standards required for special collections and is not conveniently accessible to students and faculty.

"I believe a new main library at NDSU will be welcomed by faculty, staff and students to support their research, teaching and learning needs," said Michele Reid, dean of libraries, noting the current building also has water leakage, seepage and air quality problems. "Critically, with the growth of the student body, the main library does not provide sufficient study space for students during peak evening hours, and there are no adequate spaces for events or other large gatherings.

"A new facility addressing the deficiencies of the existing building would re-establish the main library's central role as the intellectual heart of the campus, a physical symbol of the institution's land-grant heritage that enriches all the citizens of the state, and affirms NDSU's academic, cultural and lifelong learning mission," Reid said.

University Senate has been asked to consider a similar resolution of support.

Boudjouk presents research during South Korean visit



Boudjouk

NDSU's discoveries of new liquid silanes and novel aerosol beam deposition techniques have great potential to produce low-cost, high-quality photovoltaic devices, according to Philip Boudjouk, vice president for research, creative activities and technology transfer. Boudjouk presented NDSU's research discoveries during seminars at Kyonggi University, Seoul, South Korea; Korea University, Seoul, South Korea; and at Chungnam National University, Daejeon, South Korea.

Seoul, South Korea; and at Chungnam National University, Daejeon, South Korea.

NDSU has developed a new form of liquid silicon that will allow more precise control of the formation of silicon nanotubes and nanocrystals, enabling higher conversion of solar energy into electrical energy. At the invitation of the South Korean universities, Boudjouk presented "A New Route to Cyclohexasilane: Synthesis and Applications," during the visit to South Korea Nov. 1-14.

Boudjouk and Doug Schulz, senior research scientist at NDSU's Center for Nanoscale Science and Engineering, also attended the International Photovoltaic Science and Engineering Conference and Exhibition in Jeju, South Korea. The conference covered the entire range of photovoltaics, from materials and systems as well as market development and policies. Among the most newsworthy announcements were those demonstrating significant reductions in production costs of solar energy.

NDSU has collaborative accords with several South Korean schools, including Kyonggi University and Chungnam National University. Boudjouk was the guest of NDSU alumnus Byung-Hee Han, Department of Chemistry at Chung-Nam University. Boudjouk also met with international NDSU alumni interested in electronics and silicon technology research.

NDSU receives STEM funding

NDSU has been awarded funds from the North Dakota Science, Technology, Engineering and Mathematics (STEM) Initiative, which was instituted by the North Dakota Legislature to provide funds for K-12 education enrichment programs in STEM disciplines.

Part of the funds will be used to support STEM graduate students who will be placed in area schools to work directly with middle and high school teachers on implementing engineering-centered curriculum modules in their classrooms.

Students will work 20 hours per week. Requirements include excellent verbal and written communication skills and willingness to work directly with young students. Familiarity with middle and high school STEM curriculum also is preferred.

Applications are being sought for STEM graduate students to fill these positions, which will begin January 2010. Contact Kim McVicar at kim.mcvicar@ndsu.edu or 1-7336 for an application.

FORWARD holds equity lecture and workshops



Mark Chesler of the University of Michigan presented ways of improving gender and racial equity to NDSU faculty and administration on Nov. 20.

Mark Chesler, professor emeritus of sociology at the University of Michigan, presented “Working Toward Gender (and Race) Equity on Campuses” on Nov. 20, to an assembled group of about 70 faculty and staff looking to help improve gender and racial equity on campus. Chesler also held separate workshops for deans and administrators, department chairs and heads, and male faculty to discuss what issues arise and how to approach solutions when working to enhance an equitable and welcoming campus climate.

NDSU ADVANCE FORWARD sponsored the workshops. The group is committed to establishing a university culture in which all are nurtured and supported to develop to their fullest potential. They are working to demonstrate NDSU’s commitment to gender equity through a record of accomplishment in recruitment, development and retention of women. The public presentation was sponsored by the Departments of Biological Sciences, Electrical and Computer Engineering, English, Mathematics, History and Human Development and Family Sciences with support from the Cooperative Sponsorship Committee.

Chesler discussed the work done by the Committee on Strategies and Tactics for Recruiting to Improve Diversity at the University of Michigan. The committee provides information and advice about practices that maximize the likelihood that diverse, well-qualified candidates for faculty positions are identified, and if selected for offers, recruited, retained and promoted. There are 37 institutions that have received a National Science Foundation ADVANCE Institutional Transformational Award across the country.

“We can learn from each other’s experience,” Chesler said.

The University of Michigan has been working for years on increasing equity. They increased their hiring of women and minorities in science, technology, engineering and math disciplines and now are focusing on the difficult problem of retention and advancement; this typically involves issues of departmental support and climate change.

After the lecture, male faculty met to discuss misconceptions of gender equity and what it means to be an advocate or ally of FORWARD. There are eight advocates so far at NDSU, who are tenured male faculty with a history of being supportive of gender and racial equity on campus. They receive a \$500 stipend for one year of service: planning and conducting workshops, educating

themselves on gender equity issues and promoting, attending and supporting all FORWARD programming. Allies can be from any faculty rank; they are asked to attend one workshop, display support for FORWARD, identify themselves as an ally within their department and attend, promote and support as many FORWARD programs as possible.

For more on FORWARD, including video and slides from the Chesler presentation, visit www.ndsu.edu/forward.

NDSU to begin supporting Windows 7 next year

Information Technology Services has announced that it will begin supporting Windows 7 on university-owned computers next year. Here is a short overview of the support timeline.

Windows 7 will be installed on cluster and classroom computers starting in the fall of 2010. Instructors who need class-specific software in clusters and classrooms should begin research to determine whether these programs will be Windows 7 compatible. See www.ndsu.edu/its/cluster-software-request for more information.

Windows 7 will become a standard operating system on Information Technology Services-supported computers sometime after Jan. 1. The specific date will be announced once research and compatibility testing are complete.

The Information Technology Services Help Desk currently provides assistance with connectivity, e-mail, calendaring and other general support issues on Windows 7.

Periodic updates and frequently asked questions about support for Windows 7 are posted at www.ndsu.edu/its/win7.

DIVERSITY

Tapestry of Diverse Talents to induct new faces

Eunsu Lee and Mary Sinner will be inducted into the Tapestry of Diverse Talents on Friday, Dec. 11, at noon in the Memorial Union Century Theater. Members of the NDSU community are invited to attend the induction ceremony to honor these individuals and begin a new tapestry. A reception will follow the ceremony.

Lee is a graduate research assistant for the Upper Great Plains Transportation Institute. Sinner is an associate director for Dining Services.

The Tapestry of Diverse Talents is a program of the NDSU Memorial Union that recognizes students, faculty, staff and alumni for the diversity and contributions they bring to NDSU. Each semester, individuals are added to the tapestry’s wall, reflecting the ages, classes, ability, ethnicity, gender, races, regional differences, sexual orientations, beliefs and values of the university community. The tapestry kindles the spirit to diversify diversity.

NDSU Safe Zone receives grant



Gravley-Stack

The NDSU Safe Zone Ally Program was awarded a \$5,000 grant from the PhilanthroFund Foundation (PFund) to develop the Lesbian, Gay, Bisexual, Transgendered and Queer (LGBTQ) Dakota Campus Alliance. The Safe Zone program was one of only 13 grant proposals out of 26 to be awarded a grant through the competitive selection process.



Vettern

The LGBTQ Dakota Campus Alliance will provide outreach, training and education, support and resources to colleges and universities throughout the region of North and South Dakota. Building upon the existing Safe Zone Ally Program model at NDSU, campus partners will be invited to participate in campus assessments of need, training and education around sexual orientation and gender identity among college student populations and consultation services to develop campus-specific ally networks. Utilizing partnerships with NDSU Extension Services, the alliance also will provide training, resources and consultation to Extension Agents working with youth development programs in every county across the states of North and South Dakota.



Mathers

Although the grant was developed by Kara Gravley-Stack, outreach coordinator for the Equity and Diversity Center, other contributors on the project include Rachelle Vettern, NDSU Extension Service; Angela Mathers, graduate assistant for the Equity and Diversity Center; and Joshua



Boschee

Boschee, NDSU Career Services and president of the Pride Collective and Community Center.

The PFund Foundation is headquartered in Minneapolis and is focused on advancing social justice for Lesbian, Gay, Bisexual, Transgendered and Queer communities in the Upper Midwest.

RESEARCH

Biological sciences researchers publish article in academic journal

When Marinus Otte, professor, and Donna Jacob, research assistant professor, arrived at NDSU in 2006 to join the Department of Biological Sciences, they brought with them expertise on wetlands and metals. They initiated the Wet Ecosystem Research Group and are the directors of the Metal Analysis Core of the North Dakota Idea Network of Biomedical Research Excellence.

The work of the Wet Ecosystem Research Group addresses a wide range of topics, but a main theme is the interaction between wetland plants and soil, particularly regarding metals. Now a major article, titled "Multi-element Accumulation Near Rumex Crispus Roots Under Wetland and Dryland Conditions," based solely on work carried out at NDSU by doctoral student La Toya Kissoon, is being published in the scientific journal, *Environmental Pollution*.

In the years just before their arrival at NDSU, Otte and Jacob had shown that many wetland plant species can grow in soils that contain concentrations of metals that are toxic to most other plants. This tolerance of high metal concentrations is rare in plants of dry habitats, but is quite common among wetland plants. One reason this observation is important is wetland plants may be more suitable to rehabilitate lands contaminated with metals than are "dryland" plants.

Kissoon wondered what might cause the difference in tolerance to metals between wetland and dryland plants. She investigated the possibility that wetland plants alter the soil near their roots in a way that is different from dryland plants. She predicted that as a result of differences in soil chemistry, wetland plants are continuously exposed to higher levels of metals compared to dryland plants and so have adapted a tolerance to high metal concentrations. Kissoon's experiment showed that plants of the same species, curly dock, grown under wetland conditions accumulate more metals near the root than when grown under dryland conditions and that they also take up more metals. The findings, therefore, support the theory.

NDSU faculty working to improve healthcare



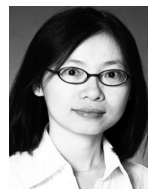
Farahmand

NDSU is working with Fargo Veterans Affairs Medical Center to improve the healthcare access at the center and its Community-Based Outpatient Clinics. The System Redesign Improvement Capability Grant from the Veterans Health Administration of the Department of Veterans Affairs provides funding for the project.



Shi

Teaming up with the System Redesign group at the Fargo Veterans Affairs Medical Center, industrial and manufacturing engineering faculty Jing Shi, Jun Zhang and Kambiz Farahmand are applying industrial and systems engineering tools to address various clinical operational issues such as patient access and clinical space optimization. The outcomes also are expected to be disseminated to the Veterans Affairs facilities nationwide. The NDSU team received \$336,514 from the \$1.3 million three-year project.



Zhang

The researchers also are helping build the healthcare workplace of the future for the Veterans Health Administration. They are part of the Midwest Mountain Veterans Engineering Resource Center, a new national initiative for the Veterans Health Administration that is supported by multi-year funding streams and led by the Veteran Affairs Nebraska-Western Iowa Health Care System.

The NDSU team was awarded \$228,514 for the first year, which is the largest award among the ten institutions that include the University of Wisconsin-Madison, University of Minnesota and University of Iowa. The NDSU team is qualified to receive more than \$500,000 for the initial three-year project period.

Collaborative grants available through Tri-College University

Tri-College University is a bridge of cooperation that runs between Concordia College, Minnesota State University Moorhead and NDSU. In an effort to promote new collaborative initiatives, Tri-College University has announced the availability of one-time start-up grant funds for faculty, staff and students. Tri-College University has found that through sharing resources, a greater number of people can be positively impacted and efficiencies readily obtained. The program is intended to develop collaborative relationships between people in our campus community who share a common interest and vision.

"The grant program, now starting its third year, has provided positive outcomes to our campus and metro communities. The funds have allowed people to act on their vision and ideas by gathering like-minded people from Tri-College University partnering institutions and build on our strong education foundation," said Tim Flakoll, Tri-College University provost.

Interested faculty, staff and students at each campus are encouraged to submit a grant application detailing their project, the need that it fills, level of collaboration and participation between campuses, expected outcomes and level of funding they are seeking. Grants awarded will range from \$250 to \$1,000. Availability and level of awards are subject to the availability of funds at Tri-College University. Matching funds are not required for eligibility.

An application is available at www.tri-college.org or by calling Sonia Mayo Hohnadel, Tri-College University communications coordinator, at 1-8170.

PEOPLE

English professor named 2009 outstanding educator

Muriel Brown, associate professor of English, was given the 2009 Arts, Humanities and Social Sciences Outstanding Educator Award at the College Honors brunch on Nov. 7. During her career, which has spanned four decades, Brown has received awards honoring her teaching (Vogel Teaching Award), scholarship (Phi Kappa Phi) and service (Arts, Humanities and Social Sciences Outstanding Service Award). The Outstanding Educator Award recognizes her excellence in all three areas.

"Brown's innovative teaching techniques exhibit a genuine concern for student learning and growth," said Elizabeth Birmingham, one of Brown's colleagues. "Her teaching is innovative because she continues to teach new courses, bring new knowledge into the classroom and actively participate in campuswide teaching initiatives."

Brown began her career at NDSU at a time when teachers taught four courses each quarter. Despite this heavy load of 12 classes or more per year, she published and presented regularly and continues to present her research at professional meetings every year. She has published on subjects ranging from Willa Cather to college writing, despite being known as the resident

Medievalist. She has written more than 40 conference papers and peer reviewed articles during her career. She also has edited five textbooks used in first-year English programs at NDSU and other universities throughout the 1980s and 1990s.

During her tenure in the English department, she has assumed nearly every role from professor to chair, and has served on or led nearly every departmental committee.

For the college, she has served repeatedly on the important Promotion, Tenure and Evaluation Committee, her most recent service ending last year. She also has served on the Student Progress Committee; Career Day Committee (which she chaired for many years); Arts, Humanities and Social Sciences Faculty and Lecturer Recognition Committee; and Arts, Humanities and Social Sciences Awards Committee.

She has served the University Senate in some capacity for a total of 14 years, including time as parliamentarian and member of the Executive Committee. She also has served for 10 consecutive years on the Women's Week Committee from the time of its founding, Student Affairs Committee, Faculty Affairs Committee, Career Services Faculty Advisory Board, Student Retention Commission and Commission on Alcohol and Other Drugs.

"She exemplifies the kind of outstanding teacher who has offered service to the university, discipline and college, as well an ongoing research engagement," Birmingham said. "She has taught the widest range of classes with distinction, has incorporated her scholarship into that central mission of the university and has served the department, college and university with intelligent leadership and quiet humor. It is the sum of this sweep that makes Dr. Muriel Brown the 2009 Outstanding Educator for Arts, Humanities and Social Sciences."

Braaten participates in 'Quilt Journeys'



Braaten

Ann W. Braaten, assistant professor of apparel, design and hospitality management, participated in a Fabric and Fiber Festival, titled "Quilt Journeys," on Oct. 3. The Journey Stories committee from Ellendale, N.D., invited her to be part of the event.

Braaten gave a presentation titled "Recounting Journeys through Textiles." It featured family stories that were included with donations to the Emily Reynolds Historic Costume Collection at NDSU.

Journey Stories is a Museum on Main Street project of the Smithsonian Institution in Washington, D.C. The exhibit will be at the Ellendale Opera House from Jan. 25 to March 14.

Braaten also presented "A Company Revealed Through Its Patterns: Hastings Needle Work: 1888-1923" at the Costume Society of America's Midwest Region Symposium, Oct. 9-10, at the International Quilt Study Center, University of Nebraska, Lincoln.

Her presentation was based on her archival research at the Minnesota Historical Society, St. Paul, Minn., and highlighted what patterns reveal about business, design process, product size and communication with workers and customers.

Ary selected to participate in health education academy



Ary

Judy Ary, senior lecturer of health, nutrition and exercise sciences, was selected to attend the American Cancer Society and the Center for Disease Control and Prevention, Division of Adolescent and School Health School Health Education-Higher Education Academy in Atlanta. The academy invited faculty from more than 50 colleges and universities.

This professional development opportunity is for lead school health education faculty members in institutions of higher education with teacher preparation programs for school health education. Participants worked together to strengthen school health education in the nation's schools.

EVENTS

Late Night Breakfast planned for NDSU students

The annual Late Night Breakfast is scheduled for Monday, Dec. 14, from 9 p.m. to 11 p.m. in the Residence Dining Center. Faculty and staff volunteers are being sought for the event.

Sponsored by the Dining Services, Residence Life and the Residence Hall Governments, the purpose of the event is to give students a break from studying and to gather one last time with friends, faculty and staff before the winter break.

Volunteers can help in a variety of ways, including greeting, serving food or wiping down tables. To volunteer, contact Becky Loney by Friday, Dec. 11, at 1-6255 or rebecca.loney@ndsu.edu.

Retirement party set for Danielson



Danielson

A retirement party is planned for Russ Danielson, associate professor of animal sciences. He has worked at NDSU since Sept. 1, 1965.

The party is set for Wednesday, Dec. 9, from 2 p.m. to 4 p.m. in the Memorial Union Plains room. A presentation is set for 3 p.m.

Row crops and precision agriculture featured at Carrington Crops Day

The NDSU Carrington Research Extension Center's annual Crops Day is scheduled for Dec. 15 with registration beginning at 8:15 a.m. The registration fee is \$10 per person and will cover the cost of refreshments and a noon meal.

The educational event will provide a review of production research and recommendations for corn, dry beans, soybeans and sunflowers. An additional session will provide basic information on the variable-rate application of fertilizer.

The morning educational program includes a review of corn and soybean research, production recommendations and the insurance status of unharvested crops. Speakers include Joel Ransom, NDSU Extension Service agronomist, and Carrington Research Extension Center agronomists. Jan Knodel, NDSU Extension Service entomologist, will highlight management strategies for soybean aphid and sunflower head-infesting insects.

Ken Hellevang, NDSU Extension Service agricultural engineer, will discuss current harvested crop issues with corn, soybeans and sunflowers. Steve Metzger, Farm Business Management area coordinator, will compare costs and income for row crops versus wheat and barley.

Dave Franzen, NDSU Extension Service soils specialist, will present sharing NDSU's new wheat nitrogen recommendations. Two other sessions will feature dry bean and sunflower production and variable-rate fertilizer strategies. Speakers include Hans Kandel, NDSU Extension Service agronomist; Larry Kleingartner, National Sunflower Association executive director; Scott Krogstad, Trinidad Benham Corp. field representative; and Carrington Research Extension Center agronomists.

Producers interested in the variable-rate application of nitrogen fertilizer can attend the second session to learn about the information to use when building zone maps, equipment needs and options and the potential for this strategy to improve farm profits. Speakers include Franzen; John Nowatzki, NDSU Extension Service agricultural engineer; and Russell Luvass, precision agricultural specialist with Raven Industries.

Five-and-a-half continuing education credits will be available for certified crop advisers participating in the event.

Contact the Carrington Research Extension Center at (701) 652-2951 or visit www.ag.ndsu.nodak.edu/carringt for more information.

SHORTS & REMINDERS

Positions Available

Positions open and screening dates through the Office of Human Resources, SGC, 1919 N. University Drive. Position openings also are available through the NDSU Web site at www.ndsu.edu/jobs.

Office Assistant/#00026663

Office of Equity and Diversity
\$25,000+/year
Dec. 9

Fire Support Technician

North Dakota Forest Service – Bismarck
\$24,000+/year
Open until filled

Technology Systems Coordinator

Telecommunications
Salary commensurate with experience
Dec. 18

Systems Engineer

Three positions open
Center for Nanoscale Science and Engineering
Salary commensurate with experience
Open until filled

Milling Specialist

Northern Crops Institute
Salary commensurate with experience
Open until filled

University Relations
North Dakota State University
NDSU Dept 6020, PO Box 6050
Fargo, ND 58108-6050

CALENDAR

DECEMBER

9 Physics – “Chemomechanical Coupling and Multiscale Motility of Molecular Motors,” Reinhard Lipowsky, professor of physics and director of the Max-Planck Institute of Colloids and Interfaces in Potsdam, Germany, 4 p.m., South Engineering 221

9 Men’s Basketball vs. Dickinson State, 7 p.m., Bison Sports Arena

9-Jan. 4 Memorial Union Gallery – Baccalaureate Exhibit, Jessica Wachter

10-24 Renaissance Gallery – Contemporary Art History Exhibit

10 Holiday Open House, 2 p.m. to 4 p.m., President’s house.

12 Men’s Basketball vs. Wisconsin-Milwaukee, 7 p.m., Bison Sports Arena

12 NDSU Musical Theatre Troupe presents “Fascinating Rhythm: Jazz on Broadway!” 7:30 p.m., Walsh Studio Theatre. Free admission.

13 NDSU Baroque Festival presents Handel’s “Messiah” (Part I) and Bach “Magnificat,” 2 p.m., Festival Concert Hall. Tickets are \$15 for adults, \$12 for seniors and \$5 for students.

17 Science Café – “Stem Cell Research: Is It Worth It?” Peggy Biga, assistant professor of biological science, Hodo, 101 N. Broadway, 7 p.m. to 8:30 p.m. Sponsored by the College of Science and Mathematics. Must be 21 or accompanied by a parent or responsible adult. Free and open to the public.

18 Women’s Basketball vs. Northern State, 7 p.m., Bison Sports Arena

19 Winter Commencement, 10 a.m., Fargodome

21-31 Holiday Hours, 7:30 a.m. to 4 p.m. with a 30-minute lunch break

21 Women’s Basketball vs. Northern Arizona, 7 p.m., Bison Sports Arena

24 Christmas Eve holiday observed – university closes at noon

25 Christmas Day holiday observed – university closed

31 Men’s Basketball vs. Centenary, 7 p.m., Bison Sports Arena

JANUARY

1 New Year’s Day – university closed

2 Women’s Basketball vs. Oral Roberts, 2 p.m., Bison Sports Arena

2 Men’s Basketball vs. Oral Roberts, 7 p.m., Bison Sports Arena

NEXT ISSUE Publication date: Wednesday, Dec 16 | Submissions due: noon Dec. 10

SEND SUBMISSIONS TO THE EDITOR Sadie Anderson | ndsu.itshappening@ndsu.edu
Library 16, NDSU Dept 6020, PO Box 6050, Fargo, NDSU 58108-6050 | Voice: 231-8326 | Fax: 231-8969

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