

NDSU

VOLUME 3 ISSUE 19

IT'S HAPPENING AT STATE

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NDSU child care center to remain open

An ad-hoc committee studying child care options at NDSU has provided NDSU President Dean L. Bresciani with a set of recommendations and business plans that allow the existing child care center to remain open in a cost effective manner.

After meeting on Oct. 6 with members of the committee, Bresciani said he appreciated the extensive analysis the group had undertaken. After later review and consensus agreement from the president's cabinet, NDSU has accepted both short- and long-term recommendations as a future action plan.

"I was pleased to learn more about the ways in which the center is critical to various aspects of our academic teaching and research mission, and I have always recognized that it provides a co-curricular and high-quality service that is extremely important to our faculty, staff and students," Bresciani said.

The committee's short-term recommendations are:

- Because of the academic purposes of the center, for NDSU to fund 20 percent, or approximately \$100,000, in operating costs.
- Retain the center in its current location in EML Hall.
- Move administration of the center out of the College of Human Development and Education.
- Charge the director of the center with responsibility for the financial health and operation of the center.

The committee's long-term recommendation is for the president to appoint a task force to identify more permanent solutions. Members of the president's cabinet agreed to locate the center in human resources, a unit of the Division of Finance and Administration.

The committee affirmed the critical need for quality child care in the local community. Kevin McCaul, committee chair and dean of the College of Science and Mathematics, said the committee's research showed that the community demand for child care far eclipses what is available. "We also realized that offering additional care for children of different ages, if sized purposefully, can in the long run be more cost effective," he said.

The committee spent nearly six months gathering data, interviewing NDSU Child Care Center staff, faculty and administrators involved in center administration, community child care providers, and national representatives who provide child care. The committee received a financial analysis from Child Care Resource and Referral and additional analysis from graduate students in the College of Business working under the supervision of MBA Program Coordinator Karen Froelich.

Committee members are Canan Bilen-Green, Froelich, Kendra Greenlee, Gary Liguori, McCaul and Wendy Reed.

United Way 2011 campus campaign set to begin

NDSU's 2011 United Way "Live United" campaign is scheduled to begin Oct. 19 and run through Dec. 15. According to Char Goodyear, campus campaign coordinator and assistant to the vice president for university relations, the 2011 goal is \$126,000, which represents a 3 percent increase from last year.

"Making a gift to United Way is a wonderful, compassionate way to improve the quality of life of so many of our neighbors, friends and, sometimes, members of our own families," Goodyear said. "More

than 99 cents of every dollar donated stay right here in Cass and Clay counties. The money is invested in 41 local non-profit agencies with 66 programs that serve thousands of people in our community."

In a letter to be distributed to university personnel, President Dean L. Bresciani said NDSU has a proud tradition of caring about the well being of others. "It is in our character to promptly step forward when there is a need or a call for help," Bresciani wrote. "Through your gift, you assist people affected by flood or fire; you offer

Continued...

NDSU www.ndsu.edu/ihas

News and events

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

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

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

NDSU Dining Services announces new website

Dining Services' new website, "Menus on the Web," displays up-to-date menus for the three campus dining centers. It also provides meal nutritional analysis reports and allows favorite meals to be searched. The website's address is www.ndsu.edu/dining_services/menu.

opportunities for Girl Scouts and Boy Scouts; you provide meals for the hungry people in our community; and you help local families overcome life's challenges.”

As in past years, NDSU will conduct an online United Way campaign via ePledge. Through an improved process, an email from United Way will provide a direct link to an employee's ePledge site; login/password changes will not be required. Goodyear said the new feature makes the pledging process easier, more convenient and more secure.

All online pledges must be completed by the end of the business day on Dec. 15. Hard copy pledge forms will be available upon request.

The goal for the total United Way of Cass-Clay 2010 community campaign is \$5 million. For more information about United Way, visit www.unitedwaycassclay.org. Information about the NDSU campaign is available at www.ndsu.edu/president/unitedwaycampaign.

State Board approves joint master's degree program

The North Dakota State Board of Higher Education unanimously approved a joint master's degree program and graduate certificate between NDSU and Makerere University in Kampala, Uganda. Approved Sept. 15, the Master of Science and graduate certificate program in international infectious disease management and biosecurity is the first of its kind at NDSU, offering a joint degree in which both institutions will be named on the degree certificate.

The programs will train students to address infectious disease problems using the “one world, one health, one medicine” concept in a way that will tackle new and emerging pathogens not limited by species or geographic boundaries from their source of origin or hot spots. The program will partner NDSU's Department of Veterinary and Microbiological Sciences in the College of Agriculture, Food Systems, and Natural Resources with Makerere's College of Veterinary Medicine, Animal Resources and Biosecurity and School of Public Health. Makerere University approved the program Aug. 12.

One of the potential impacts of the program is the opportunity to develop international collaborations that address global health issues. The program will provide students from both regions with educational and training experiences at a major North Dakota land-grant university, as well as a leading African research university (Makerere was recently ranked as the 10th best research university in Africa by Webometrics, a global university performance monitoring organization). Students can enroll at either university with tuition going toward whichever institution is the primary institution.

“This joint program is a milestone in the cooperation between the two universities. It is going to give our students an amazing and unique opportunity to obtain skills and career opportunities in the global health arena,” said Margaret Khaitsa, program director for the Master of Science and Graduate Certificate Program in Infectious Disease Management and Biosecurity.

The new program also will serve as a model academic collaboration. “It will place NDSU at the frontier in advancing global health

initiatives across the state, the nation and internationally in a unique and innovative way. This is a historic day for North Dakota, for NDSU and for our college,” Khaitsa said.

The inaugural class of eight students – four from Uganda, one from Ethiopia and three from the U.S. – has already begun their studies with a study abroad course, didactic classes offered in Makerere University in Kampala and individual experiential projects spanning their eight-week training in Uganda this summer. Funding for the students is from a U.S. Agency for International Development/Higher Education for Development grant and U.S. Department of Agriculture Higher Education Challenge grant. Both grants were won by NDSU's veterinary and microbiological sciences department led by Khaitsa.

The backbone of the master's degree will be five core courses totaling 13 credits that will provide key concepts in the areas of global awareness, international disease management, epidemiology and biosecurity. These concepts are necessary for students to attain mastery in international infectious disease management and biosecurity. The summer study abroad in Uganda course, MICR 723 (International Animal Production, Disease Surveillance and Public Health), will serve as a cornerstone experience for the program. Each of these core courses will be supported by a number of electives which will be offered at NDSU and Makerere. Students who opt for the graduate certificate in “International Infectious Disease Management and Biosecurity” will earn it upon completion of the five core courses.

“This program will provide a unique international experience for students interested in animal and public health,” said Neil Dyer, interim head of the veterinary and microbiological sciences department and director of the NDSU Veterinary Diagnostic Laboratory. “The strength of the program lies in the shared experience of investigation and learning in different parts of the world.”

For more information about this program, visit www.ndsu.edu/vetandmicro/students/current/graduate/infectious-disease-management.

‘The Science of Art’ conference held

The EPSCoR conference, “Competitiveness in This New Funding Era,” was held at NDSU Oct. 4.

Nearly 150 students presented research posters on topics as varied as spacesuit antennas, solar cells, breast cancer and nanocavities.

Julie Arslanoglu, associate research scientist in the Department of Scientific Research at The Metropolitan Museum of Art, New York, was the featured speaker for the event. Her presentation, “What Lies Beneath? Understanding Art Using Science,” described the contribution of scientific analysis to the understanding of artworks. She also highlighted her collaborative research project applying immunological and mass spectrometric techniques to identification and localization to proteins and gums in artwork.

The conference was co-sponsored by the North Dakota EPSCoR and the South Dakota EPSCoR programs.

CHS contributes \$250,000 for commodity trading room

NDSU received a \$250,000 donation from CHS Inc. for developing the commodity trading room in Richard H. Barry Hall.

“It marks another commitment from a major agricultural marketing company in the training of students at NDSU,” said William Wilson, Distinguished Professor of agribusiness and applied economics. “The contribution will accelerate the development of the Commodity Trading Room and allow it to be more comprehensive.”

Equipped with advanced information sources, trading software and analytical tools, the classroom will be a premier teaching facility for commodity marketing, logistics, trading and risk management.

“CHS is pleased to support NDSU’s state-of-the-art Commodity Trading Room, which will serve as an excellent teaching and training platform for the next generation of industry leaders,” said William Nelson, vice president of Corporate Citizenship and president of the CHS Foundation.

“NDSU consistently leads the way in providing CHS and the agricultural industry with a reliable source of skilled graduates in a variety of fields such as commodity trading, grain marketing, logistics and risk management,” said Rick Dusek, merchandising manager, North America. “The Commodity Trading Room will provide hands-on, specialized training to further enhance the caliber of students entering the agricultural workforce.”

The Commodity Trading Room will feature 32 work stations with computers and monitors, large market information displays and tickers and software for trading, commodity logistics, risk analysis and forecasting.

“The development of the Commodity Trading Room is a continuation of NDSU’s commitment to providing top-notch training for students preparing to enter careers within the agricultural industry,” said Ken Grafton, dean of NDSU’s College of Agriculture, Food Systems, and Natural Resources.

The Commodity Training Room is planned to open in July 2012.

CHS is an energy, grains and foods company. A Fortune 100 company, CHS is owned by farmers, ranchers and cooperatives, along with thousands of preferred stockholders across the United States. For more information on CHS, visit www.chsinc.com.

West Fargo 8th graders to experience NDSU classes

On Wednesday, Oct. 19, approximately 25 eighth graders from Cheney Middle School in West Fargo will spend the morning at NDSU attending college classes. Each of the middle school students will go to class and eat lunch on campus with an NDSU student from the Teacher Education Program.

The middle school students are coming to NDSU through the Advancement Via Individual Determination (AVID) program, an academic support system to help prepare students for college. In 2010-11, 91 percent of more than 27,000 AVID-program seniors throughout the United States planned to pursue post-secondary education.

“The purpose of this day is to allow students to gain a better understanding of the rigor, expectations and daily interactions of a college experience,” said Jerry Standifer, director of the AVID program at West Fargo Schools. “AVID is a college readiness system, and it is our hope this experience will help students better understand the academic rigor and expectations they will be challenged with at the post-secondary level.”

Cheney Middle School implemented AVID in 2006, starting with sixth grade students who are now sophomores. Since then, a grade level has been added each year. The program now serves students in grades 6-10 at Cheney Middle School, Sheyenne Ninth Grade Center and West Fargo High School. The West Fargo Schools have the only AVID program in North Dakota. All 14 of the schools’ AVID tutors are NDSU education students.

“The college visit day is a great opportunity for our teacher education candidates to interact with students,” said Stacy Duffield, assistant professor and director of teacher education at NDSU. “Additionally, the AVID tutor training that our candidates have received is invaluable as they prepare for careers as teachers. I am excited not only for the great things the AVID program does for West Fargo students, but also for the knowledge and experience it provides our teacher candidates.”

The middle school students will gather in the NDSU Family Life Center 212 from 9:15 a.m. to 9:45 a.m. to meet their NDSU partners and to learn about their morning schedule. They will attend 10 a.m. and 11 a.m. classes and then have lunch in the West Dining Center.

Center for Child Development participates in scholarship program

The NDSU Center for Child Development was chosen to participate in The Growing Child Care in North Dakota Aim4Excellence Scholarship due to its designation as a National Association for the Education of Young Children accredited program and commitment to children and families.

Nine modules covered through the Aim4Excellence management training include Leading the Way; Recruiting, Selecting and Orienting Staff; Promoting Peak Performance; Managing Program Operations; Building a Sound Business Strategy; Planning Indoor and Outdoor Environments; Supporting Children’s Development and Learning; Creating Partnerships with Families; and Evaluating Program Quality.

The benefits of the Aim4Excellence Scholarship include:

- Deb Habedank, center director, will be one of the first North Dakota directors to earn her center director credential by completing Aim4Excellence, an online course from the McCormick Institute of National Louis University specifically designed for center managers. Her national director credential was achieved in September.
- A certified program administration scale assessor completed an evaluation of leadership and management practices at the Center for Child Development in January. The center received an overall score of 5.14. The national average ranges from 2.6 to 4.54.

Veterinary and microbiological sciences department head named



Wolf-Hall

Charlene Wolf-Hall has been named head of NDSU's Department of Veterinary and Microbiological Sciences. Wolf-Hall, a professor in the department, begins her duties Oct. 16.

"Dr. Wolf-Hall brings a number of very positive skills and experiences to the position, and I am sure that she will provide excellent leadership for the department," said Ken Grafton, interim

vice president for agriculture and university Extension, director of the North Dakota Agricultural Experiment Station and dean of NDSU's College of Agriculture, Food Systems, and Natural Resources.

Wolf-Hall joined NDSU as a laboratory technician in 1996 and became an assistant professor in 1997, an associate professor in 2004 and a full professor in 2010.

She has taught an extensive range of food science and food safety courses, including Food Microbiology and Food Toxicology, and advises graduate students.

She also serves half time as assistant dean for the College of Graduate and Interdisciplinary Studies, is on the leadership team for NDSU FORWARD (Focus on Resources for Women's Advancement, Recruitment/Retention and Development) and is a Food Systems Leadership Institute Fellow. From September 2006 to August 2007, she served as interim director of NDSU's Great Plains Institute of Food Safety.

Her research focuses on foodborne molds, mycotoxins and grain microbiology.

She earned her bachelor's and master's degrees in microbiology from South Dakota State University, Brookings, and her doctorate in food science and technology from the University of Nebraska-Lincoln.

"I am very excited about this new role in this terrific department and very grateful for the support of the many students, staff, collaborators, colleagues, mentors, coaches, friends and family who have had roles in my professional development and advancement," Wolf-Hall said.

Discrimination reminder issued

In recognition of October being Disability Awareness Month, the Division of Equity, Diversity, and Global Outreach reminds all administrators, faculty, staff and students to adhere to the philosophy of equal access and opportunity, which is the basis for NDSU's commitment to nondiscrimination on the basis of disability.

Students seeking accommodations based on a disability should visit Disability Services in the Wallman Wellness Center room 170, call 1-8463 or email ndsu.disability.services@ndsu.edu.

Faculty and staff seeking accommodations based on a disability should visit Human Resources located in the Stop-n-Go Center Building suite 102 (1919 N. University Drive), call 1-8961 or email ndsu.hr@ndsu.edu.

For more information, visit the NDSU Disability Resources website at www.ndsu.edu/diversity/diversityatndsu/disability_resources.

Third-year site visit scheduled for FORWARD project

A team of seven reviewers will conduct the third-year site review of the NDSU Advance FORWARD project, Oct. 18-19. The FORWARD project was funded in 2008 for a five-year period. A third-year review is standard for projects funded by the National Science Foundation's Advance program.

President Dean L. Bresciani and Provost J. Bruce Rafert will welcome the site visitors. A presentation by the FORWARD leadership team will follow, providing an overview of the project's efforts and accomplishments. The remainder of the site visit will include interviews with individuals and groups who are actively involved with the FORWARD project and/or participants in FORWARD initiatives. The reviewers will issue a report following the completion of the visit.

Kelly Mack, director for the ADVANCE Program at the National Science Foundation, will lead the site visit team. Additional team members include Margaret Bailey, professor of mechanical engineering at the Rochester Institute of Technology; Bonnie Bowen, professor of natural resource ecology and management at Iowa State University; Catherine Duckett, an entomologist by training and associate dean of the School of Science at Monmouth University; Gail Gasparich, professor of biological sciences and co-director of biology graduate program and director of the College of Science and Math Women in Science program at Towson University; Rachelle Heller, associate dean for academic affairs at the Mount Vernon campus of George Washington University and director of the Elizabeth Somers Center; and Anne MacLachan, a senior researcher at the Center for Studies in Higher Education at the University of California, Berkeley.

Retirement contribution changes

During the 2011 North Dakota Legislative session, Senate Bill 2108 was passed to increase the contribution percentages for the NDPERS retirement plan. The State Board of Higher Education elected to implement the same increase in contribution percentages for employees on the TIAA-CREF defined contribution 401(a) retirement plan. The increase will be shared between NDSU and employees. The increase will include a total percentage increase of 4 percent that will be implemented over a two-year period.

Beginning Jan. 1, 2012, there will be an increase of 1 percent in the contribution percentage by NDSU and a 1 percent increase in the contribution made by the employee, which is withheld via pretax payroll deduction. This 1 percent additional contribution will automatically be added to the current contribution level of NDSU and the employee. Beginning Jan. 1, 2013, there will be an additional increase of 1 percent in the contribution percentage by NDSU and an additional 1 percent increase in the contribution made by the employee. These changes will happen automatically and will not require action on the part of the employee.

Technology Fee Action Plans due Nov. 1

Technology Fee Action Plans are due to the Technology Fee Advisory Committee by Nov. 1.

NDSU's student technology fee funds a broad range of projects designed to improve the information technology capabilities and services for students, faculty and staff. The Technology Fee Advisory Committee solicits action plans and funding requests aimed at improving the quality of education and campus life at NDSU through technology. Proposals specifically addressing innovative uses of technology to improve instruction and student learning are encouraged. The committee has a strong interest in one-time funding opportunities offering a unique application of technology enhancing the student experience.

A copy of the action plan template and past funded proposals/reports can be found at www.ndsu.edu/tfac. The action plan form has just been revised, so please make sure you link to the template on this website. The committee seeks proposals that introduce a new, innovative tool for instruction and learning or provide a broad appeal to NDSU students.

To receive consideration, deliver a paper copy of the action plan with all the required signatures to the committee, c/o Bonnie Neas, vice president for information technology, IACC 204; and submit an electronic copy of your action plan to rian.nostrum@ndsu.edu (1-7890) by Nov. 1.

Memorial Union Gallery exhibit aims to raise awareness of abuse



Oyabu

An exhibit titled "Lifeways: A Journey Through Survival to Advocacy" by award-winning photojournalist Nobuko Oyabu is on display at the Memorial Union Gallery until Oct. 28. The show is a photo essay featuring Native Americans from nations throughout North and South Dakota and aims to bring awareness to stories of survival, abuse and sexual assault in recognition of Domestic

Violence Awareness Month.

The photos depict the journey of healing: from victim to survivor to advocate. The viewer will experience the interconnectedness of all living things, one being to another and one generation to the next. Oyabu shows viewers that the hurt of one is the hurt of all, and the honor of one is the honor of all. The story begins with restoring the Sacred to all their relationships, starting with the self, then the family, the community, their Nations and Humanity.

Oyabu is a native of Japan and has a degree in photojournalism from Columbia College Chicago. Her work focuses on using her own experiences and photography to communicate with survivors on a level she never imagined possible.

For more information, contact Esther Hockett or Amy Nash at the Memorial Union Gallery or visit <http://nobukoonline.com> or www.ndsu.edu/mu/programs/gallery/exhibits_and_artists.

Reynolds Collection to display military uniforms

In honor of Veterans Day, the Emily Reynolds Historic Costume Collection will present a selection of military uniforms from the collection. Five uniforms will be on display on the fourth floor of the Family Life Center until Nov. 8.

Three of the uniforms were worn by graduates from NDSU or the former North Dakota Agricultural College. Residents of Fargo and Moorhead wore the other two uniforms.

NDSU and MSUM co-host Irish studies conference

NDSU's English department co-hosted an Irish studies conference with Minnesota State University Moorhead from Oct. 6-8. Events took place on both universities' campuses.

The conference, titled "MWACIS: MidWest American Conference for Irish Studies: Ireland and Its Global Influence: Past, Present, Future," explored Ireland's recent challenges and the country's changing global connection, as well as a variety of historic and artistic topics.

Miriam Mara, NDSU associate professor of English and an organizer for the event, said the Midwest region maintains a strong presence in the American Conference for Irish Studies, which is the national organization for scholars of Irish literature, history, language and culture. She said because of this, the conference attracted important scholars to the annual meeting.

Two of them include Francis Carroll, professor emeritus at the University of Manitoba, and Jose Lanfers, a professor at the University of Wisconsin-Milwaukee.

Carroll presented the Larry McBride Memorial Lecture, "Ireland Among the Nations of the Earth' Ireland's Foreign Relations from 1923 to 1948." And Lanfers presented the plenary session, "Terrible Queer Creatures: Revivalism, Modernism, and Irish Drama."

Mara said hosting the event at NDSU makes a statement. "This event showcases NDSU's expertise in and investment in the humanities," she said.

Additionally, Mara said co-hosting the event with Minnesota State University Moorhead demonstrates local universities working together and fosters future partnerships. "As part of the Tri-College, collaborations like this co-hosted conference build partnerships and display the wonderful potential of our university-rich area," she said.

For more information on the conference, contact Mara at 1-6506 or miriam.mara@ndsu.edu.

'Prairie Churches' displayed at Memorial Union Gallery



The Memorial Union Gallery is hosting the traveling exhibit, "Prairie Churches of North Dakota," which celebrates the strength and beauty of historic church buildings in North Dakota. The exhibit will be displayed until Oct. 28.

"Prairie Churches" features photos of buildings listed on the National Register of Historic Places. Stories about each of the photos are available to allow viewers

to get a sense of the history, details and place. The exhibit also has actual architectural components that were salvaged.

The Prairie Churches of North Dakota project is a national pilot program designed to help rural communities revitalize their historic churches as centers of community life and culture. The program is a partnership of historic preservation, religious, arts and humanities organizations committed to drawing state and national attention to the plight of North Dakota's rural churches, and to aid congregations in preserving, maintaining and continuing to use their historic buildings.

The photographs represent some of North Dakota's rich legacy of ethnically and architecturally diverse historic places of worship. They also are beloved historic landmarks and symbols of cultural heritage. The exhibit calls attention to various styles of architecture such as Gothic Revival and Romanesque Revival, as well as various ethnic influences such as Scandinavian, German and Polish. Stained glass windows and altar art are shown along with social, ceremonial and community traditions illustrating a sense of place, a sense of home and heritage lost.

Preservation North Dakota, in conjunction with the State Historical Society of North Dakota and the National Trust for Historic Preservation, has worked on documenting and revitalizing the photos.

Jen Wilke, director of administration and development for Preservation North Dakota, will talk about the exhibit and statewide preservation projects on Friday, Oct. 21, at 2 p.m. in the Memorial Union Gallery.

Beta Chapter of Sigma Alpha Epsilon introduces Hall of Fame

The North Dakota Beta Chapter of Sigma Alpha Epsilon (SAE) at NDSU introduced a Hall of Fame in conjunction with the fraternity's recent 75th anniversary celebration. Five NDSU alumni were honored in the inaugural induction of SAE members into the Hall of Fame on Sept. 30.

Inductees included the late Bradley J. Burgum, BS '74, who served as treasurer for SAE House Corp. for 30 years. He was an attorney and CPA at the Burgum Law Firm in Casselton, N.D., and also served as Casselton city attorney. Burgum was a board member of Arthur Companies and Great Plains Software.

John L. Gunkelman, BS '73, is the founder of Dakota Construction and a member of the Home Builders Association of Fargo-Moorhead, where he has held many positions. Gunkelman spearheaded the \$1.2 million SAE house remodeling project in 2005.

Former Gov. William L. Guy, BS '40, was North Dakota governor from 1961 to 1973. He also was executive director of the Western Governor's Regional Energy Office, executive director of the North Dakota Community Foundation, a natural resources consultant to Basin Electric Power Cooperative and served on the board of governors of Common Cause.

Charles E. Trangsrud, BS '60, was involved with SAE at the national level, serving on the Leadership School faculty, attending six national conventions, serving as SAE national chapter supervisor for 36 western chapters and as SAE national treasurer. Trangsrud was a founding member of the SAE Phoenix Society and received the SAE Merit Key Award, which recognizes service and loyalty to the fraternity. Prior to retirement, he was a partner at BioMat.

The late Charles L. Wagner, BS '49, served with the SAE House Corp. from 1959 to 1972. He was an independent agent for Crown Life Insurance. He twice was selected Man of the Year by the Fargo-Moorhead Life Underwriters Association, and he served as director and secretary of the F-M Association. He also received Special Congressional Recognition for his participation in the North Dakota Veterans History Project.

The chapter's Hall of Fame dinner and program was held at the Ramada Plaza Suites in Fargo. The program was emceed by 1978 NDSU graduate Doug Burgum. About 275 SAE alumni, active members and pledges attended the event.

FarmHouse Foundation Board of Trustees to visit NDSU chapter

NDSU's FarmHouse chapter will host the FarmHouse Foundation Board of Trustees during their fall board meeting in Fargo Nov. 10-12.

The trustees will dine with current chapter members and tour the new chapter house on Thursday, Nov. 10.

The foundation board advances and supports the FarmHouse mission of "Building the Leaders of Tomorrow" by making planning and policy decisions. It is responsible for financing and fundraising, monitoring implementation and promoting goodwill and support for the foundation and fraternity. The board meets twice each year around North America, plus at the biennial Conclave of FarmHouse Fraternity.

The board is comprised of 13 FarmHouse alumni from across the country, including former NDSU student Jeffery Topp, '82.

Allison Rickels, foundation executive director, said, "Coming to the NDSU campus and Fargo is an excellent choice because of the numerous dedicated FarmHouse alumni in the area, as well the opportunity for us to see first-hand the new FarmHouse chapter house. Our foundation is so pleased to be a part of their vital housing capital campaign and make grants possible to build their impressive new living/learning home on campus. Our trustees are looking forward to seeing the direct impact of our foundation grants in person."

2011 Harvest Bowl Agribusiness Award recipient named

Allan Johnson, farm publisher and former U.S. Department of Agriculture deputy undersecretary for rural development, will receive the 2011 Agribusiness Award during the 38th annual Harvest Bowl program at NDSU.

The award recognizes individuals who have distinguished themselves in the field of agriculture and business. Harvest Bowl activities will take place Oct. 28-29 in Fargo.

Also honored will be outstanding agriculturists from all counties across North Dakota and 10 in western Minnesota, and scholarships will be awarded to outstanding male and female NDSU athletes.

Johnson, an Almont, N.D., native, graduated from NDSU in 1968 with a bachelor's degree in agriculture. After graduating from NDSU, he joined Dakota Farmer Magazine, where he became advertising manager. He then joined the Midwest Unit Farm Publications of Hartsdale, N.Y., as eastern manager.

In 1981, he was promoted to national sales manager of Farm Progress Cos. and later became president. During his tenure as president, Farm Progress became the leading agricultural media company in the U.S. by growing from seven to 39 publications.

In 2003, President George W. Bush appointed Johnson USDA Rural Development legislative and public affairs director. Two years later, he was appointed deputy undersecretary for Rural Development. His task was to carry out Rural Development's mission to support economic opportunity and improve the quality of life in rural America. He retired from the USDA in 2009.

Johnson and his wife, Sara, own Agri-Pulse Communications, an electronic publishing firm serving agriculture and rural policy leaders. Johnson also owns his family's century farm near Almont. He lives with his wife and two sons in Camdenton, Mo.

Johnson held numerous leadership positions, including chair of the Farm Foundation board of trustees, president of the Equipment Manufacturers Institute Suppliers Council, chair of the FFA Foundation Sponsors Board, president of the Agricultural Publishers Association and grand president of Alpha Gamma Rho Fraternity.

He was named Ag Communicator of the Year by the National AgriMarketing Association. In addition, the National FFA Organization presented him with an Honorary American Farm Degree and Distinguished Service Citation. Ed Schafer, former agriculture secretary, awarded Johnson the Group Honor Award for Excellence to recognize him for his leadership in producing the Washington International Renewable Energy Conference. The conference was the largest renewable energy conference in history and attracted official delegations from more than 100 countries.

The 38th annual Harvest Bowl festivities begin Friday, Oct. 28, at the Fargo Ramada Plaza and Suites with a dinner and awards ceremony. On Saturday, honorees will participate in educational sessions on the NDSU campus and attend the Harvest Bowl football game.

For tickets and information on Harvest Bowl activities, visit the NDSU Alumni Association website at www.ndsualumni.com, call the NDSU alumni office toll-free at (800) 279-8971 or locally at 1-6800, or email marilyn@ndsualumni.com.

Students to 'sensationalize' Fargo Public Library

The talents of 15 NDSU landscape architecture students will be on prominent display Oct. 17-23 at the Fargo Public Library, located at 102 3rd St. N. The students have created two interactive, sensory experiences, titled "Exist. Observe. Compose." and "Avenues to Illumination," that will be shown in the library's entry hallways.

A public reception is scheduled for Wednesday, Oct. 19, from 3 p.m. to 5 p.m.

The third-year landscape architecture students are taught by Stevie Famulari, assistant professor of landscape architecture. She said both designs are intended to explore the five senses of sight, smell, sound, touch and taste.

For the projects, the students created designs, illustrations, construction documents, models, invitations, contracts, budgets, documentation of the design process and a media kit.

"Every year the students continually strive to be even better than the previous year's design," Famulari said. "It has helped to improve their design skills quickly. I am very proud of the students' learning curve to get to the point they can build their first design."

"Exist. Observe. Compose." will be located at the library's west entrance. Designed to be a sensory walk through the history of Fargo, five different phases of sights and sounds will conjure memories for visitors.

At the east entrance, visitors will encounter three metaphors of a prism. "Avenues to Illumination" represents the desire for knowledge, the entrance of the library and the rewards to be found inside. Bright colored spotlights reflect off prisms suspended from the ceiling, drawing patrons into the metaphor.

Anna Eckberg, who worked on the "Exist. Observe. Compose." project, said, "Throughout the project, all eight of us have collaborated well to create one unique design. I am excited to see how people interact with the space."

Michael Blank, a student on the team that created "Avenues to Illumination," said, "This wasn't as easy as I thought it'd be. Designing a space and executing it are actually difficult."

Students who participated in the "Exist. Observe. Compose." display include Eckberg, Adam Boole, Aaron Hendrickson, Drew Holmgren, Bailey Krause, Joe Starbuck, Courtney Valen and Joshua Wildt.

The "Avenues to Illumination" design team included Blank, Amanda Ahrenholz, Ethan Gefroh, Andrew Herzog, Nathan Stottler, Amber Sunderman and Johannah Wiege.

The students received support from Ryan Companies, Crane Johnson Lumber Co., MAC's Hardware, Foss Architecture and Interiors, Hendrickson Farms, Best Buy, Carver MMLLC, Environmental Building Products, Rightway Builders of Wright County Co., Kilbourne Group, Helenske Design Group, Signature Landscapes Inc., Schultz and Associates LTD, YHR Partners LTD, Ecce Art + Yoga, Gefroh Electric, Mathison's, NDSU's Little Country Theatre, Danyel Johnson, Carolyn Schnell, library director Tim Dirks and the staff of the Fargo Public Library.

For more information, contact Famulari at (505) 710-3586 or stevie.famulari@ndsu.edu.

Student competes in Army 'Best Warrior Competition'

NDSU senior Ryan Lindberg, a member of the North Dakota National Guard, was a competitor in the recent weeklong "Best Warrior Competition" at Fort Lee, Va. It was the first time a North Dakota Guardsman has qualified to compete at the high level event, according to State Command Sgt. Maj. Gerald Miller.

Lindberg, who is majoring in construction management, qualified for the competition after being named the best in his unit – the Jamestown-based 817th Engineer Company – followed by best at the brigade, state and eight-state region levels.

During the elite competition, he was put head-to-head with top soldiers from U.S. Army divisions around the world. Among other things, participants answered questions from a board of sergeants major, wrote an essay, completed the Army physical fitness test and competed in daytime and nighttime Urban Warfare Orientation Courses, Warrior Tasks and Battle Drills.

In a National Guard news release, Lindberg is quoted saying, "It's really surreal for the most part, but it's an honor for me to not only represent our unit but the state and the entire United States National Guard."

Lindberg was the top enlisted soldier in a combatives tournament and also won the night version of the Urban Warfare Orientation Course. However, Lindberg missed the top spot – the only place announced – when the competition concluded. Spc. Thomas Hauser of Army's Forces Command was named Best Warrior in the enlisted category and Sgt. Guy Mellor from the Utah National Guard received the Best Warrior title in the noncommissioned officer category.

"I didn't hold anything back," Lindberg said, according to the National Guard news release. "Everything I did was the best I could do."

Lindberg is the son of Rob and Donna Lindberg of Jamestown.

NDSU student receives merit scholarship

Patrick O'Keeffe, a first-year student from West St. Paul, Minn., was awarded the 2011 Merit Award scholarship from the National Society of Collegiate Scholars.

The \$1,000 Merit Award scholarships are awarded to only 52 outstanding new society members out of hundreds of applicants nationwide. The National Society of Collegiate Scholars is an honors organization for high achieving first- and second-year students at 300 universities nationwide.

Merit Award recipients are selected based on how they honor and inspire academic excellence and engage citizenship for a lifetime on their campus throughout their undergraduate experience as explained through a series of essay questions.

For more information on the National Society of Collegiate Scholars and a complete list of all past Merit Award recipients 2003-present, visit nscs.org/scholarships/merit-award.

RESEARCH

NDSU Research Foundation licenses coatings technology



Dante Battocchi holds a bison sculpture coated with BronzeShield™.

The NDSU Research Foundation announced it has concluded a license agreement with Elinor Specialty Coatings, Fargo, for removable protective coatings for outdoor bronze monuments and statues. The agreement, announced Sept. 27, gives Elinor exclusive rights to further develop and market the technology developed at NDSU.

From the statue of Sakakawea near North Dakota's Heritage Center in Bismarck to Rodin's Burghers of Calais in France, thousands of bronze monuments worldwide endure exposure to pollutants, temperature extremes and all types of weather, from hurricanes to blizzards. Left uncoated or improperly coated, statues can deteriorate, which may result in huge costs to restore them properly.

The unique polymer technology licensed to Elinor Specialty Coatings and marketed as BronzeShield™ allows the original patina of the bronze to remain, while protecting monuments, art and architecture from salt, UV radiation, moisture and vandalism. "We believe it is a durable, yet maintenance-friendly option for municipalities, museums and historical societies to protect history," said Dante Battocchi, research and technical officer of Elinor Specialty Coatings.

"Monuments are meant to last forever, but budget constraints often cause public art to go unprotected," said Holly Anderson Battocchi, president of Elinor. "It can cost hundreds of thousands of dollars to restore a piece of public art. BronzeShield's™ durability, and easy application and removal, allow for a more economical way for curators to manage the maintenance schedule and yet retain the integrity of the art as the artist intended."

BronzeShield™ provides shiny or matte protection similar to that of clear-coats on automobiles, yet is removable using an uncomplicated and safe liquid coating remover, which eliminates the damage caused by traditional mechanical removal methods, says Dante Battocchi. Samples of BronzeShield™ are now being sent to potential clients around the country, including one of the largest bronze workshops in the U.S.

"We are thrilled to see this specialty coatings technology reach the market through Elinor Specialty Coatings," said Dale Zetocha, executive director of the NDSU Research Foundation, which licenses technologies developed at NDSU. "It represents a great opportunity to commercialize this research."

PEOPLE

Physics faculty member receives Heartland Pride Award



Wagner

Alexander Wagner, associate professor of physics, received the Heartland Pride Award from the Fargo-Moorhead Convention and Visitors Bureau at its annual meeting Sept. 27. Wagner organized the Discrete Simulation of Fluid Dynamics 20th International Conference held in Fargo Aug. 8-12, with participants from more than 14 countries.

According to people attending the international conference, Fargo compared favorably to Rome and Beijing, the previous conference sites. The international conference included leaders in the fields of physics, mathematics and engineering. Wagner said international attendees appreciated the scientific discussion, as well as the Fargo setting.

“The location of Barry Hall was wonderful and an Oxford Don compared it favorably to a new mathematics building at the University of Cambridge in the United Kingdom. Participants loved the downtown where they explored with bicycles we rented from Great Northern Cycles,” Wagner said.

Conference attendees also enjoyed the Minnesota State University Moorhead Regional Science Center at Buffalo River State Park for an event that included tipis provided by Malcolm Butler, NDSU professor of biological sciences. They served as a backdrop for a Native American flute performance by noted musician Keith Bear, and a presentation on the Dakota Prison Letters by Clifford Canku, NDSU assistant professor of English.

By the end of the conference, a participant from France told Wagner, “You know, at the beginning of the conference I told you that I liked your town. Now at the end I have to tell you that I really like it. It has such a wonderful relaxing atmosphere to it.”

According to Wagner, support from the NDSU physics department and local businesses made the event successful. Participants from Italy, India, France, China, Japan, United Kingdom, South Korea, Germany and Spain, as well as other countries, enjoyed their NDSU experience.

Wagner also encouraged individuals attending the Convention and Visitors Bureau annual meeting to “embrace the more relaxed and friendly atmosphere that makes the Fargo-Moorhead area so different.”

A featured speaker at the event noted Wagner’s observations in his blog at <http://billgeist.typepad.com/blog/2011/09/loving-where-you-live.html>.

The Fargo-Moorhead Convention and Visitors Bureau awarded another NDSU professor the Heartland Pride Award in 2006. Jeffrey Clark, professor of sociology and anthropology, received the award as conference organizer for bringing an international conference for computer applications and quantitative methods in archaeology to Fargo.

Engineering associate professor elected for leadership position



Yadav

Om Prakash Yadav, associate professor of industrial and manufacturing engineering, has been elected as president-elect of Quality Control and Reliability Engineering, a division of the Institute of Industrial Engineering. Yadav is elected for three years where he will act as president-elect for the current academic year (2011-12) followed by president (2012-13) and past president (2013-14) of the division.

The Quality Control and Reliability Engineering division is one of the fastest growing divisions of the Institute of Industrial Engineering and has membership around the world. Being part of the board, Yadav is expected to help organize the annual conference. He also is charged with conducting town hall meetings during the conference and managing the division’s research track. Other responsibilities as president-elect include to actively manage monthly conference calls and to organize various committee meetings and activities.

Additional major responsibilities include reviewing and selecting award papers for the Reliability and Maintainability Symposium, organizing the Industrial Engineering Research Conference track during the annual conference, reviewing papers and selecting the best papers for awards and promoting Quality Control and Reliability Engineering track activities.

Yadav says being elected to the position provides an excellent opportunity for him to demonstrate his leadership skills and enhance learning experience through interaction with other colleagues of the Quality Control and Reliability Engineering division and to represent NDSU at the Institute of Industrial Engineering.

Yadav also has been appointed as track chair of the Quality Control and Reliability Engineering division for the Industrial and Systems Engineering Research Conference to be held during the Annual Conference of Institute of Industrial Engineers May 19-23, 2012, in Hilton Bonnet Creek, Orlando, Fla. The Quality Control and Reliability Engineering division of the Institute of Industrial Engineers will sponsor the Quality Control and Reliability Engineering Track at the 2012 Industrial and Systems Engineering Research Conference, the new name for the Industrial Engineering Research Conference. As a track chair, Yadav is responsible to manage and organize research conference sessions of the Quality Control and Reliability Engineering division which includes getting abstracts and research papers reviewed, organize sessions, invite or assign session chairs, and coordinating with other track chairs and Industrial and Systems Engineering Research Conference track chairs.

EVENTS

History, Philosophy and Religious Studies Colloquium scheduled

The history, philosophy and religious studies department's October colloquium will feature Jeff Johnson's presentation, "On Defining Authentic Food." It is scheduled for Oct. 14 at 3 p.m. in the Memorial Union's Hidatsa room.

Johnson said attendees may be tempted to tackle the question of food authenticity by appealing to the relations a dish bears to some original version, to the particular ingredients of a dish or to the relations the making of a dish bears to the culinary practices of a particular group. (Lisa Heldke calls versions of these responses the "nativity" account, "replicability" account and "adaptability" account, respectively). Johnson will begin with a characterization of each of these different responses. He argues that each of these responses comes up short in settling the question about what makes food authentic. He then shows these responses share the assumption that talk of authenticity functions primarily as a description.

Johnson earned his doctorate in philosophy from the University of Minnesota and is an assistant professor at Saint Catherine University in St. Paul, Minn. He works on issues in the philosophy of language and in the philosophy of perception, though he has lately been interested in issues related to the philosophy of food. In addition to his work on the notion of authentic food, he has been thinking about the ethics of eating animals, the ethics of industrial agriculture and about food security issues. His work is heavily influenced by the philosophy of Wittgenstein and J. L. Austin.

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

Activities planned for National Day on Writing

NDSU will participate in the National Day on Writing, an annual event organized by the National Council of Teachers of English, on Oct. 20. Visit www.ncte.org/dayonwriting for more information. The celebration at NDSU includes the following events:

- 8 a.m. to 5 p.m. – "Rotating Story," Facebook and Thundar's Den, Memorial Union

The Department of English will sponsor an "exquisite corpse," or rotating story, on the NDSU Facebook page, with a new story started every hour by students in first-year English classes. Students, faculty and staff are invited to contribute to the story on NDSU's Facebook page at www.facebook.com/ndsu.fargo. Individuals also are invited to view the story projected on a wall in Thundar's Den, lower level of the Memorial Union. Contact Brandi Fuglsby, English lecturer, at brandi.fuglsby@ndsu.edu for more information.

- 9 a.m. to 3 p.m. – "Resources for Writers," Memorial Union lobby

Staff from the Center for Writers and the NDSU Library will be available to provide information about their services. Word games

and activities also will be available. For more information, contact Mary Pull, director of the Center for Writers at mary.pull@ndsu.edu, or Char Myhre, senior reference librarian at char.myhre@ndsu.edu.

- Noon to 1 p.m. – "Writing a Dissertation and Planning a Thesis Defense," Memorial Union Arikara room

The Graduate School will sponsor the presentation "Writing a Dissertation and Planning a Thesis Defense" by Jill Nelson, associate professor in the School of Education. The talk will discuss the process of writing a thesis and provide general tips for successful completion. Topics include selecting an adviser and committee, communicating with your committee, general expectations for the disquisition, and how to make the most of the experience. Resources for students and faculty members also will be available. For more information, contact Karen P. Peirce, graduate writing coordinator, at karen.peirce@ndsu.edu, or Sonya Goergen, Graduate School marketing, public relations and recruitment coordinator, at sonya.goergen@ndsu.edu.

IBM inventor to discuss innovation



Bates

Cary Bates, master inventor and senior software engineer at IBM, is scheduled to give the first College of Engineering and Architecture Distinguished Speaker Series presentation on Oct. 24 at 3 p.m. in the Memorial Union Century Theater.

Bates holds 260 U.S. patents and was awarded a certificate of commendation from former Minn. Gov. Arne Carlson for his contributions to the state's economy and welfare. He has served on invention review boards and has helped numerous groups and individuals become more innovative.

The presentation will discuss what innovation is, and provide insights into the innovative process. Topics will include how to become innovative, how innovative people think, why diversity aids innovation and how to know when you have an invention.

Prior to IBM, Bates worked for the Special Purpose Processor Development group at Mayo Clinic. He earned a bachelor's degree from Bemidji State University and a master's degree in information technology from the University of Minnesota. His educational focus was computer languages and compiler construction. Bates' focus at IBM is debugger technology.

Faculty, undergraduate students, graduate students, F-M community members and anyone who has an interest in innovation are invited to attend the presentation. Future series presentations will feature a variety of topics.

Bison Athletics to host annual Halloween party

The annual Bison Athletics Halloween Party is scheduled for Sunday, Oct. 30, at the Bison Sports Arena. Attendees can play games and take home prizes and candy. Tricks and treats will run from 4 p.m. to 6 p.m. Bison athletes will interact with participants. Recommended for children ages two through nine.

Promotion-to-professor luncheon scheduled by FORWARD

The FORWARD project is sponsoring a promotion-to-professor luncheon on Tuesday, Oct. 25, from 11:30 a.m. to 1 p.m. in the Memorial Union Arikara room. Registration is requested and can be completed at www.ndsu.edu/forward.

A panel of current and past department chairs will discuss the promotion-to-full-professor process and how to determine when you are ready. Panelists include Jim Deal, human development and family science; William Bowlin, accounting, finance and information systems; Brian Slator, computer science; and Greg Lardy, animal sciences. They will discuss how to describe scholarship in different disciplines, the role mentoring plays in helping an associate professor prepare for promotion, how to determine when an associate professor is ready to apply for promotion and the professional importance of promotion to full professor.

Virginia Clark Johnson, dean of human development and education, and Larry Peterson, professor of history, philosophy and religion, will facilitate the discussion. The next promotion-to-professor session will be Tuesday, Nov. 22, and will be a working meeting on promotion to professor and work/life balance.

Tri-state Sheep Tour scheduled

The NDSU Extension Service is holding a tour of research and private sheep operations in South Dakota, Nebraska and Iowa Oct. 25-26.

"The American sheep industry is experiencing record-breaking high lamb and wool prices, and that's inspiring many sheep producers to expand their operation," said Reid Redden, NDSU Extension sheep specialist. "It also is encouraging new producers to enter the business. As a result, North Dakota likely will see many new sheep flocks started by less-experienced producers with lots of questions."

The tour will provide more experience in the commercial sheep industry for producers and the Extension agents assisting them. Participants will visit state-of-the-art sheep facilities and meet sheep industry leaders in the north-central region of the U.S.

Tentative stops for the tour include:

- South Dakota State University Sheep Unit, Brookings – Jeff Held will provide a tour of the sheep barn and discuss research topics at SDSU.
- Dakota Lamb, Hurley, S.D. – Bill Aeschilmann will provide a tour of his custom lamb feed yard and discuss his lamb marketing business.
- U.S. Meat Animal Research Center, Clay Center, Neb. – Kreg Leymaster will provide an educational seminar on commercial sheep breeding systems and lead a tour of the research center.
- Iron Horse Farms, Harlan, Iowa – Tom Schechinger will provide a tour of his 100 percent confinement sheep operation.

The registration fee is \$50 to cover the transportation costs. The registration deadline is Oct. 14. For more information or to register, contact Redden at 1-5597 or reid.redden@ndsu.edu.

Lawn mower and snow blower clinic set

The Agricultural Systems Management Club and American Society of Agricultural and Biological Engineers have scheduled a lawn mower and snow blower clinic for Thursday, Oct. 27, in the Agricultural and Biosystems Engineering building.

A tune-up, oil change, new spark plug, air filter cleaning, gearbox oil check, blade sharpening and a wash are included for a fee of \$25 for snow blowers and push mowers and \$30 for riding mowers. Payment is due when you pick up your unit.

The clinic is limited to 60 units on a first-come, first-served basis. Call agricultural and biosystems engineering at 1-7261 to reserve a spot. Delivery service will not be offered this year; you will be responsible for dropping off and picking up your unit.

15th Annual United Way Silent Auction planned

The Information Technology Division and Department of Computer Science have joined forces again to host the 15th Annual United Way Silent Auction, and Bake and Book Sale on Monday, Oct. 31, from 11 a.m. to 2 p.m. in IACC (first and second lobby/floors). All the money raised will go toward supporting the United Way of Cass-Clay and its many agencies.

There are several ways to participate. Individuals can donate an item or come for the fun of "bidding" or "buying" on the day of the event. To donate an item(s), visit the auction website at www.ndsu.edu/pubweb/auction and add the item(s) to the list. Deliver the item(s) to IACC 206 prior to 5 p.m. on Wednesday, Oct. 26. A list of available items also can be viewed online.

For more information, contact Char Maas at 1-6343 or char.maas@ndsu.edu.

Alumnus to present poetry reading and seminar at NDSU



Ray

Hillol Ray, MS '77, will present a poetry reading on Thursday, Nov. 3, at 4:30 p.m. in the Memorial Union Mandan room as part of the English department's Cosgrove Seminars Series.

He also will present a seminar titled "Brief Overview of the EPA Region 6 Drinking Water Enforcement Program" on Friday, Nov. 4, at 10 a.m. in the Civil and Industrial Engineering building room 205.

Ray's presentation will cover information and challenges on the drinking water enforcement programs at the federal government level.

A poet, engineer and advocate for the environment, Ray is from West Bengal, India. He began writing poetry at the age of six. He has served private industry and the Environmental Protection Agency for more than 34 years.

Open house set for couple and family therapy master's program

An open house is scheduled for students interested in learning about the couple and family therapy master's degree program on Friday, Nov. 4, from 2 p.m. to 4 p.m. in the Stop N Go Center room C107 (1919 N. University Drive).

The open house will feature a tour of the program's state-of-the-art facility and a chance to visit with faculty members. Program presentations will take place at 2:30 p.m. and 3:30 p.m. Refreshments will be provided. For information about the open house, email tom.carlson@ndsu.edu or visit www.ndsu.edu/cdfs/cft.

PUBLICATIONS/PRESENTATIONS

English associate professor publishes essay



Totten

Gary Totten, associate professor of English, had his essay, "Geographies of Race and Mobility in Carl Rowan's South of Freedom," published in the new anthology, "Riding/Writing Across Borders in North American Travelogues and Fiction," edited by Waldemar Zacharasiewicz and published by the Austrian Academy of Sciences Press.

In the essay, Totten examines Rowan's travel narrative, "South of Freedom," an account of his trip through the U.S. South in 1951 as an African American journalist for the Minneapolis Morning Tribune, and discusses how U.S. attitudes about race affected both his travel experiences and the resulting travel narrative.

Associate professor presents at literature conference



Helstern

Linda Helstern, associate professor of English, presented a paper on the work of contemporary Blackfeet novelist Stephen Graham Jones at the 46th annual conference of the Western Literature Association in Missoula, Mont., Oct. 5-8.

The conference brings together scholars from across Europe, Canada and the United States to focus on the literature and culture of the trans-Mississippi West.

Helstern's paper, titled " 'Not the Same Elk': The Return of Native Agency in Stephen Graham Jones' Ledfeather," considers how this highly experimental text, a rewriting of the history of the Blackfeet starvation winter of 1883-84, reinforces key principles of Native thought through the play of language and story. It is part of an ongoing research project on historiography and Native American literature.

Joshua T. Anderson, a 2011 NDSU English graduate, also presented at the conference. Winner of the 2011-12 Western American Literature Editorial Fellowship at Utah State University, Anderson is pursuing his master's degree in American studies.

NDSU researchers attend microbiology meeting

A group of students, faculty and staff from the Department of Veterinary and Microbiological Sciences attended the American Society for Microbiology North Central Branch's annual meeting.

Graduate students Ebot Tabe and Priyankar Samanta, research specialist and teacher Anu radha Vegi, and associate professor Birgit Pruess presented their research findings. Tabe won the Outstanding Presentation award for his talk, "A *Cryptosporidium parvum* rhomboid protease (CpROM) colocalizes with a thrombospondin related adhesive protein (TRAP-C1) during invasion of host cells." Tabe is a student in John McEvoy's lab.

Pruess was elected president of the society's North Central Branch. Also, Penelope Gibbs, NDSU associate professor, will serve as vice president and Shelley Horne, NDSU research specialist, will serve as treasurer.

NDSU will host the branch's 2012 meeting next October.

Pharmaceutical sciences researchers to publish paper

Erxi Wu, assistant professor of pharmaceutical sciences, and Fengfei Wang, research associate of pharmaceutical sciences, co-wrote the article, "Anti-cancer activities of tea epigallocatechin-3-gallate in breast cancer patients under radiotherapy," which will be published by Current Molecular Medicine.

In the study, they tested the hypothesis that administration of epigallocatechin-3-gallate, a polyphenol present in abundance in widely consumed tea, inhibits cell proliferation, invasion and angiogenesis in breast cancer patients. Epigallocatechin-3-gallate in 400 mg capsules was orally administered three times daily to breast cancer patients undergoing treatment by radiotherapy. Parameters related to cell proliferation, invasion and angiogenesis were analyzed while blood samples were collected at different time points to determine efficacy of the treatment.

Compared to patients who received radiotherapy alone, those given radiotherapy plus epigallocatechin-3-gallate for an extended time period (two to eight weeks) showed significantly lower serum levels of vascular endothelial growth factor, hepatocyte growth factor and reduced activation of metalloproteinase-9 and metalloproteinase-2. Addition of sera obtained from patients treated by combination of radiotherapy and epigallocatechin-3-gallate feeding for two to eight weeks to in vitro cultures of highly-metastatic human MDA-MB-231 breast cancer cells resulted in the following significant changes: (1) suppression of cell proliferation and invasion; (2) arrest of cell cycles at the G0/G1 phase; (3) reduction of activation of MMP9/MMP2, expressions of Bcl-2/Bax, c-Met receptor, NF-kB and the phosphorylation of Akt. MDA-MB-231 cells exposed to 5-10 μ M epigallocatechin-3-gallate also showed significant augmentation of the apoptosis inducing effects of γ -radiation, concomitant with reduced NF-kB protein level and AKT phosphorylation.

"This is the first study to use EGCG in human breast cancer patients. Our results provide hitherto unreported evidence

that EGCG potentiated efficacy of radiotherapy in breast cancer patients, and raise the possibility that this tea polyphenol has potential to be a therapeutic adjuvant against human metastatic breast cancer," Wu said. They collaborated with Guoying Zhang's lab from Yantai University, China. "We have established a close collaboration with the Zhang lab in finding anticancer drugs and elucidating the mechanisms of the targeted therapy for breast cancer, the second leading cause of cancer-related deaths in women in the United States," Wu said.

Current Molecular Medicine is an interdisciplinary journal that provides current and comprehensive reviews and original research articles on fundamental molecular mechanisms of disease pathogenesis, the development of molecular-diagnosis and/or novel approaches to rational treatment. Its current impact factor is 5.21, ranking 12th of 106 medicine, research and experimental journals (www.benthamscience.com/cmm/index.htm).

Faculty publish and present

Sean Brotherson, associate professor of human development and family science and Extension specialist, published "The Dakota Father Friendly Assessment: Measuring Father Friendliness in Head Start and Similar Settings" in the journal, *Fathering: A Journal of Theory, Research, and Practice About Men as Fathers*, with colleagues Joseph White, researcher at the Foundation for Family Life; Adam Galovan, graduate student at the University of Missouri-Columbia; Erin Holmes, assistant professor at Brigham Young University; and Jennifer Kampmann, early childhood educator at South Dakota State University. The article introduced a new measure, the Dakota Father Friendly Assessment, that assesses father-friendly attitudes and practices in early childhood settings. In addition, Brotherson and Daniel A. Moen, assistant professor at University of Minnesota Mankato, published the article, "Establishing a Home: A Study of Practical Dimensions in the Transition to Marriage," in the journal, *Family Science Review*. The article explored key aspects of establishing a home as part of the transition to marriage and sustaining a healthy marital relationship.

Brotherson also conducted training sessions in August for North Dakota schools that have applied to run the Gearing Up for Kindergarten family education program. The Gearing Up for Kindergarten program has a pre-kindergarten component that assists families in learning and applying principles of healthy parenting, child development and school readiness in the year prior to kindergarten. The program recently received funding of \$625,000 through the North Dakota State Legislature for the next two years to help North Dakota schools implement the program. The program is funded and supported through the NDSU Extension Service. The training was conducted on two separate days in Mandan, N.D., and Fargo.

Stacy Duffield, associate professor of education, published the article, "Impact of Cooperative Business Management Curriculum on Secondary Student Attitudes," in the *Journal of Education for Business*.

Kevin Miller, assistant professor of athletic training, had his manuscript, "Initial electrical stimulation frequency's effect on cramp threshold frequency and force," accepted for publication in the *Journal of Athletic Training*. The study examined the validity

of an electrical stimulation cramp model when different starting frequencies were used to induce muscle cramps in the foot.

The manuscript, "Correction equations to adjust self-reported height and weight for obesity estimates among college students," was published in *Research Quarterly in Exercise Science*. The co-authors are Gary Liguori, associate professor of health, nutrition and exercise sciences; and Arupendra Mozumdar, adjunct faculty member of health, nutrition and exercise sciences and research associate for the Tata Institute of Social Science, Mumbai, Mozumdar.

Amber Bach-Gorman, doctoral student in counselor education, has been awarded an Association of Counselor Education and Supervision 2011 Emerging Leadership scholarship. The award provides the opportunity to network with both professional and research leaders in the field of counselor education, as well as education on the leadership opportunities within the association and overall profession. Bach-Gorman also will present at the national meeting with counseling faculty: Jill Nelson, associate professor; Brenda Hall, associate professor; and Kim Halbur, associate dean of Diversity Affairs, Georgia Health Sciences University. Their presentation is titled "Engaging Site Supervisors in Clinical Supervision Training: Strategies for Involving and Preparing Practitioners."

Julie Garden-Robinson, associate professor and Extension food and nutrition specialist for health, nutrition and exercise sciences, presented "Nourish Your Bones and Joints" at the National Extension Association of Family and Consumer Sciences in Albuquerque, N.M. She and Stacy Halvorson, Extension associate, also presented "Now Serving: Beans!" at the Showcase of Excellence poster session.

Anita Welch, assistant professor of education, received the Lucile Cornet Professional Development Award through the Delta Kappa Gamma Educational Foundation in the amount of \$2,000.

Stacy Duffield, associate professor of education, was nominated by the American Association of Colleges for Teacher Education to serve as a Board of Examiners member for the National Council for Accreditation of Teacher Education. Duffield represents a group of professionals drawn from a national pool of teacher educators, practitioners, policymakers and subject matter specialists. The offsite reviews and the onsite visits conducted by board members are critical to ensuring the quality of educator preparation programs and the fidelity of the National Council for Accreditation of Teacher Education system.

WooMi Phillips, assistant professor of apparel, design and hospitality management; Kara Wolfe, associate professor and hospitality leadership director of Bradley University; Nancy Hodur, assistant research professor; and F. Larry Leistritz, professor from the Department of Agribusiness and Applied Economics, had their "Tourist word-of-mouth and revisit intentions to rural tourism destinations: a case of North Dakota, USA" accepted for publication in *International Journal of Tourism Research*.

Amanda Haire, MS '10, and Christi McGeorge, associate professor of human development and family sciences, had their article, "Negative Perceptions of Never-Married Custodial Single Mothers and Fathers: Applications of a Gender Analysis for Family Therapists," accepted for publication in the *2012 Journal of Feminist Family Therapy*. Haire and McGeorge also presented a poster presentation at the 2011 American Association of Marriage and Family Therapy Annual Conference in Fort Worth, Texas, titled "Negative Perceptions of Single Mothers and Fathers."

Tom Stone Carlson and Christi McGeorge, associate professors of human development and family science, presented a two-hour workshop at the 2011 American Association of Marriage and Family Therapy Annual Conference in Fort Worth, Texas. The workshop focused on their research on training family therapy students to provide competent therapy to lesbian, gay, bisexual and transgender clients. Carlson, McGeorge and Russell Toomey,

collaborator from Arizona State University, also presented "Examining the Validity of the Affirmative Training Inventory."

Gary Liguori, associate professor of health, nutrition and exercise sciences; John Schuna Jr., a doctoral student; and Arupendra Mozumdar, adjunct professor of health, nutrition, and exercise sciences, had their manuscript, "Semester long changes in sleep duration for college students," published in *College Student Journal*.

SHORTS AND REMINDERS

Policy updates

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

Policy 352: Promotion, Tenure and Evaluation

Changes reflect current promotion, tenure and evaluation practices including electronic submission, who is eligible to serve on promotion, tenure and evaluation committees and more clearly states a candidate's research production toward promotion and tenure. It also incorporates more consistent capitalization practices.

Policy 609: Email as an Official Communication Method to Students

Due to migration of student email to Microsoft Live, student email can no longer be forwarded or redirected to personal or other accounts.

Policy 714: Senate Coordinating Council

Due to the creation of the Faculty Senate and the restructuring of the University Senate, a new procedure for routing policies is necessary to ensure policies are routed to the appropriate constituency.

Positions available

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

Director, International Programs

Office of International Programs
Commensurate w/education and experience
Open until filled

Coordinator, Human Development and Education Online Programs

Human Development and Education
Salary contingent upon qualifications
Open until filled

Associate Director, Maintenance and Repairs

Facilities Management
Commensurate w/experience
Open until filled

Software Engineer

CNSE
Commensurate w/experience
Open until filled

Technology Manager – CCAST HPC Systems

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

HPC Systems Administrator

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

Nutritional Research Specialist/#00020244

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

Nutrition Laboratory Technician

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

Stewardship Forester

N.D. Forest Service
\$30,763+/year
Open until filled

Stewardship Specialist

N.D. Forester
\$34,254+/year
Open until filled

Agricultural and Biological Sciences Librarian/#00021069

Library
\$44,000/year
Open until filled

Research Analyst (50 percent time)

Institutional Research and Analysis
\$19,000+/year
Open until filled

Physical Sciences and Engineering Librarian/#00018838

Library
\$45,000
Open until filled

Agricultural Research Specialist

Central Grasslands Research Extension Center
Commensurate w/experience
Open until filled

Associate Director – Memorial Union – Operations

\$49,000+/year
Open until filled

Meat Science Research Technician

Animal Sciences
\$35,000+/year
Open until filled

Mid-Level Practitioner NP/PA

Student Health Services
\$56,160+/year
Open until filled

Nutrition Education Assistant, FNP (Fort Berthold)

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

Agricultural Research Technician

Animal Sciences
\$32,000+/year
Open until filled

Associate Research Fellow/Traffic Operations Engineer

Upper Great Plains Transportation Institute
Commensurate w/education and experience
Oct. 25

SHORTS AND REMINDERS

Custodian

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

Kitchen Supervisor

Dining Services
\$14.50+/hour
Open until filled

Food Service Worker

Dining Services
\$9+/hour
Open until filled

Administrative Secretary

Center for 4-H Youth Development
\$26,000+/year
Nov. 1

Administrative Secretary, Fort Berthold Extension Office

NDSU Extension Service
\$26,000 min./year
Open until filled

Soil Scientist, Carrington Research Extension Center

Agriculture and University Extension
Commensurate w/experience
Nov. 11

Vice President for Information Technology and Chief Information Officer

Division of Information Technology
Commensurate w/experience
Open until filled

CALENDAR

OCTOBER

14 **Indian Taco Sale** – 11 a.m. to 1 p.m., Equity and Diversity Center.

14 **Bison soccer vs. IPFW** – 4 p.m. at the Ellig Sports Complex.

14 **Bison Basketball Late Show** – 7 p.m. at the Bison Sports Arena.

14 **Biological Sciences Department Seminar** – “Ontogenetic Development: A Possible Confounding Factor in Immunological Experiments,” Kimberly Lindner, NDSU graduate student – 3 p.m., Loftsgard room 114.

14 **Department of Psychology Colloquium speaker** – “What are we really studying with the task-switching paradigm: fMRI and ERP evidence for interference resolution,” Glenn D. Wylie, Neuropsychology and Neuroscience Laboratory, Kessler Foundation – 3:30 p.m., Minard room 222.

15 **Bison football vs. Missouri State** – 6 p.m. in the Fargodome.

16 **Bison soccer vs. Oakland** – Noon at the Ellig Sports Complex.

17 **Plant Sciences Graduate Seminar** – “Sunlight Exposure Affects Berry and Wine Quality,” Itai Mutukwa – 3:30 p.m., Loftsgard room 114.

18 **Science, Religion and Lunch Seminar** – “Allegory as the Language of Science,” Brian Baumann – Noon, Memorial Union Meadow Lark room.

18-19 **National Science Foundation ADVANCE site visit** – FORWARD event.

19 **Brown Bag Seminar, “Redistricting in North Dakota: Changing of the ND Legislative Districts”** – Noon to 1 p.m., Memorial Union Arikara room.

19 **Conversation with visiting artist Frenchy Lunning** – 7 p.m., Renaissance Hall fifth floor. Free and open to the public.

20 **“Under the Ruffles: Shôjo and the Morphology of Power,” Frenchy Lunning public lecture** – 9:45 a.m., Renaissance Hall fifth floor. Free and open to the public.

21 **Ally Follow-Up Discussion** – 3 p.m. to 4 p.m., FLC room 316E – FORWARD event.

21 **Biological Sciences Department Seminar** – “Rethinking Invasion: New Approaches to Studying and Managing Non-Native Plants in the Northern Great Plains,” Kathryn Yurkonis, biological sciences, University of North Dakota, Grand Forks – 3 p.m., Loftsgard room 114.

21 **Department of Psychology Colloquium Speaker** – “Neglect, prism adaptation and updating mental models,” James Dankert, Neuropsychology and Neuroscience Laboratory, Kessler Foundation – 3:30 p.m., Minard room 222.

24 **Plant Sciences Graduate Seminar** – “Genome Sequence Metamorphosis: Impact on Plant Breeding,” Abdullah Al Bari – 3:30 p.m., Loftsgard room 114.

25 **Promotion to Professor Panel** – 11:30 a.m. to 1 p.m., Memorial Union Arikara room. Department heads will discuss the process and how you know you are ready to apply – FORWARD event.

26 **Agriculture Career Fair** – 11 a.m. to 3 p.m., Memorial Union Great Plains Ballroom. Sponsored by the Career Center and NDSU Sigma Alpha Sorority.

26 **Brown Bag Seminar, “Using Effective Strategies to Reduce Conflict at Work”** – Noon to 1 p.m., Memorial Union Room of Nations.

27 **World iView presentation** – “Food or Fuel? A Transportation Perspective,” Elvis M. Ndembe, doctoral student – Noon to 1 p.m., Memorial Union Meadow Lark room.

28 **Biological Sciences Department Seminar** – “Characterization of Variation in Growth Performance in Inbred Strains of Zebrafish (*Danio rerio*),” Ben Meyer, NDSU graduate student – 3 p.m., Loftsgard room 114.

28 **Animal Sciences Graduate Seminar** – “Effects of Feeding Dried Distiller’s Grains Plus Solubles to Ram Lambs,” Megan Van Emon, NDSU graduate student – 3 p.m., Hultz Hall room 104.

28 **Department of Psychology Colloquium Speaker** – “Taming the Impulsive Beast: Self-Control and Unwanted Behavior,” Nathan DeWall, psychology department, University of Kentucky – 3:30 p.m., Minard room 222.

30 **Bison Athletics Annual Halloween Party** – Bison Sports Arena. Tricks and treats run 4 p.m. to 6 p.m. Recommended for ages two through nine.

31 **NDSU Bookstore Halloween Costume Contest** – 9 a.m. to 4 p.m., NDSU Bookstore in the Memorial Union.

CALENDAR

31 **Plant Sciences Graduate Seminar** – “Shade Avoidance Response in Zea mays,” Sonali Mehta – 3:30 p.m., Loftsgard room 114.

NOVEMBER

1 **Leadership Development Program Panel** – 11:30 a.m. to 1 p.m., Memorial Union Arikara room – FORWARD event.

2 **Brown Bag Seminar, opening ceremony for Native American Heritage Month** – Noon to 1 p.m., Memorial Union Arikara room.

3 **Cosgrove Seminar Series Poetry Reading** – Hillol Ray, NDSU alumnus – 4:30 p.m., Memorial Union Mandan room.

4 **Civil Engineering Department Presentation** – “Brief Overview of the EPA Region 6 Drinking Water Enforcement Program,” Hillol Ray, NDSU alumnus, Environmental Protection Agency, Dallas – 10 a.m. in the Department of Civil Engineering.

7 **Plant Sciences Graduate Seminar** – “Refuge-in-a-Bag for Bt in Maize,” Erin Burns – 3:30 p.m., Loftsgard room 114.

7 **Plant Sciences Graduate Seminar** – “Reducing Glyphosate Spray Drift with Equipment Technology,” Alicia Hall – 3:30 p.m., Loftsgard room 114.

9 **FORWARD Ally Training** – College of Engineering and Architecture – 11:30 a.m. to 1 p.m., Memorial Union Hidatsa room.

9 **Brown Bag Seminar, “My Military Life” panel** – Noon to 1 p.m., Memorial Union Arikara room.

10 **Gear Up for Grants Seminar** – “Using Grants.gov and Other Key Grants Processes” – 3 p.m. to 4:30 p.m., Memorial Union Room of Nations.

14 **Plant Sciences Graduate Seminar** – “Climatological Dependency of Sugarbeet and Wheat Yields in North Dakota,” Robynn Anfinrud – 3:30 p.m. Loftsgard room 114.

14 **Plant Sciences Graduate Seminar** – “Comparative Genomics in Orphan Crops and Non-Coding Sequences,” Juan Calle-Bellido – 3:30 p.m. Loftsgard room 114.

15 **FORWARD Ally Follow-Up Discussion** – 2:30 p.m. to 3:30 p.m., FLC room 316E.

16 **Brown Bag Seminar, “Indigenous Expressions,” panel about Native American dances** – Noon to 1 p.m., Memorial Union Arikara room.

17 **World iView presentation** – “iPakistan: invest in Pakistan,” Samee U. Khan, assistant professor of electrical and computer engineering, will discuss strategic investments of the U.S. government in Pakistan that most people don’t know about – Noon to 1 p.m., Memorial Union Meadow Lark room.

21 **Plant Sciences Graduate Seminar** – “Use of Pulse Crops to Remove Excess Selenium from Soil,” Dulan Samarappuli – 3:30 p.m., Loftsgard room 114.

22 **Promotion to Professor Panel** – 11:30 a.m. to 1 p.m., Memorial Union Arikara room – FORWARD event.

28 **Plant Sciences Graduate Seminar** – “Heat Stress Effect on Grain Filling and Quality of Wheat,” Marina Dobrydina – 3:30 p.m., Loftsgard room 114.

30 **Brown Bag Seminar, “The Real HR Professionals of Fargo-Moorhead,” panel** – Noon to 1 p.m., Memorial Union Arikara room.

DECEMBER

2 **Ally Follow-Up Discussion** – 3 p.m. to 4 p.m., FLC room 316 E – FORWARD event.

5 **Plant Sciences Graduate Seminar** – “In-Season Nitrogen Applications in Wheat,” Adam Chyle – 3:30 p.m., Loftsgard room 114E

7 **Brown Bag Seminar, “Healing and Recovery After Sexual Violence,” panel** – Noon to 1 p.m., Memorial Union Arikara room.

8 **Pedagogical Luncheon** – 11:30 a.m. to 1 p.m., Memorial Union Great room – FORWARD event.

13 **Bonnie Neas farewell reception** – 2 p.m. to 4:30 p.m., Memorial Union Great Plains room.

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

NEXT ISSUE Publication date: Monday, Oct. 31 | Submissions due: Oct. 26 at noon

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