

NDSU

VOLUME 4 ISSUE 23

IT'S HAPPENING AT STATE

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Design publication ranks NDSU program among nation's best

NDSU's graduate architecture program recently was rated one of the best in the nation, according to a survey of Midwest-based firms. The rankings were part of DesignIntelligence's 2013 edition of its annual publication, "America's Best Architecture and Design Schools."

In the rankings by firms in the Midwest region, NDSU's graduate architecture program was ranked ninth out of 154 accredited schools nationwide, tied with Columbia University, Harvard University, Massachusetts Institute of Technology, University of Michigan, University of Minnesota and University of Wisconsin-Milwaukee. In the overall regional rankings, NDSU's graduate architecture program was ranked in the top 10 in the Midwest region.

The Midwest region consists of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin comprising 27 different institutions. A total of 392 U.S. firms and organizations employing architecture, design and landscape architecture professionals, participated in the research. Deans and chairs from more than 100 academic programs

in architecture, interior design, industrial design and landscape architecture also participated.

Rankings are based on a survey of practicing design professionals with experience in hiring and supervising the performance of recent architecture and design graduates, according to Ganapathy Mahalingam, interim chair of NDSU's Department of Architecture and Landscape Architecture.

"At least in the eyes of a group of regional professionals, we already are considered worthy of being in the top 10 in the nation," he said. "The goal is not to be satisfied with being in the top 10 in the region. We want to be in the top 10 overall nationwide."

DesignIntelligence also researched school branding to identify strengths in architectural education, recognizing NDSU, University of Puerto Rico and University of New Mexico in the category of Heart of a Pioneer, Soul of an Architect.

For more information on DesignIntelligence, visit www.di.net.

Study shows sitting up helps babies learn



Woods

A new study by Rebecca J. Woods, assistant professor of human development and family science, shows sitting up, whether by themselves or with assistance, is a critical part of how babies learn.

The paper, "Posture Support Improves Object Individuation in Infants," has been published in *Developmental Psychology*.

Woods' study shows babies' ability to sit up unsupported has a profound effect on their ability to learn about objects. It also shows that when babies who cannot sit up alone are given posture support, such as from a Bumbo™ seat, they learn as well as babies who can already sit alone.

Woods explained that an important part of human cognitive development is the ability to understand whether an object in view is the same or different from an object seen earlier.

Through two experiments, she confirmed that 5.5- and 6.5-month-olds don't use patterns to differentiate objects on their own but that 6.5-month-olds can be primed to use patterns if they have the opportunity to look at, touch and mouth the objects before being tested.

An advantage the 6.5-month-olds may have is the ability to sit unsupported, which makes it easier for babies to reach for, grasp and manipulate objects. If babies don't have to focus on balancing, their attention can be on exploring the object.

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 Jan. 15 It's Happening at State

The next electronic issue of It's Happening at State will be posted Jan. 15 at www.ndsu.edu/ihas. Submissions for that issue are due at noon on Jan. 10.

Holiday hours observed

NDSU semester break/holiday hours will be observed Monday, Dec. 17, through Friday, Jan. 4. Hours will be 7:30 a.m. to 4 p.m. Christmas Eve day, Dec. 24, NDSU will be open until noon. Regular hours will resume Monday, Jan. 7.

Bison football advances to NCAA Division I FCS Semifinal

NDSU is scheduled to play Georgia Southern at 7 p.m. Friday, Dec. 14, in the Fargodome. Visit www.gobison.com for more information.

In a third experiment, 5.5-month-olds were given full postural support while they explored objects. When they had posture support, they were able to use patterns to differentiate objects.

“Helping a baby sit up in a secure, well-supported manner during learning sessions may help them in a wide variety of learning situations, not just during object-feature learning,” Woods said. “This knowledge can be advantageous particularly to infants who have cognitive delays who truly need an optimal learning environment.”

The study also suggests that delayed sitting may cause babies to miss learning experiences that affect other areas of development.

NDSU undergraduate and graduate students helped collect data for the study, gaining valuable hands-on research experience.

Teresa Wilcox of Texas A&M University was a co-author of the paper.

The research was supported in part by National Institute of Child Health and Human Development Grants HD-36741 and HD-46532 awarded to Wilcox and by National Institute of Health Grant P20 RR016471 from the INBRE program of the National Center for Research Resources awarded to Woods.

New course couples renewable energy, electric vehicles

A new NDSU course will focus on renewable energy for the largest areas of consumer use: homes and cars.

John Bagu, director of NDSU’s Organic Spectroscopy Laboratory, has developed a special topics course, Chemistry of Renewable Energy and Electric Vehicles, for the spring semester. He wants to generate student interest in renewable energy by introducing them to its use and efficiency.

The introductory course will be “solution oriented,” Bagu said. “We will examine traditional energy sources in contrast with renewable energy generating systems, especially with respect to their impact on the environment. The focus of this course is to derive the most efficient, least detrimental and overall cost-effective system solutions for energy consumers.”

The course, which is open to all students, will introduce students to the different energy components required for homes and buildings and show how using renewable energy leads to efficiency and conservation.

Students also will study the efficiency and impacts of hydrocarbon- and electric-powered vehicles. The class will examine the larger issues of converting a fuel delivery transportation system to one that delivers electricity.

Bagu’s own home will be a case study. Despite persistent clouds and some snow, the solar panels on his roof have been churning out power since they went live in September. “We’ve generated more energy than we use,” he said. “And that’s during some of the worst solar months.”

Bagu said he was motivated to develop the new class because, although several NDSU classes discuss renewable energy, none paired the topic with electric vehicles. He hopes to one day produce enough energy from his home to recharge two electric vehicles.

“You can’t talk about renewable energy alone without talking about electric vehicles,” he said. “Most of the energy our society uses is in vehicles.”

This isn’t Bagu’s first foray into teaching students about renewable energy. He was involved in a senior capstone engineering project where students designed and built solar panels and wind turbines. “I don’t view this as a traditional course. I don’t plan to teach it as one. For health, environmental and sustainability reasons, we have to look at energy in quite a different way.”

NDSU awarded funds to analyze sugar beets for biofuel

The NDSU Department of Agribusiness and Applied Economics is part of a grant to develop enhanced energy sugar beets that are optimized for biofuel production. The grant is funded by the U.S. Department of Energy’s Advanced Research Projects Agency.

Other partners in the \$1.8 million, three-year program are Plant Sensory Systems LLC in Baltimore and the U.S. Department of Agriculture.

Plant Sensory LLC and the USDA will engineer beets to use fertilizer and water more efficiently and produce higher levels of fermentable sugars, compared with current feedstocks. The energy beets will have lower production costs and increased yield for biofuels without competing against food-grade sugar.

“The NDSU Department of Agribusiness and Applied Economics will lead the project’s economic and environmental analyses,” said David Ripplinger, bioproducts and bioenergy economist and assistant professor in the department. “The award recognizes NDSU’s expertise in economic and life-cycle analyses and provides support to build on this expertise during the three-year project.”

The grant recognizes the promise of energy beets as an industrial feedstock and a proprietary yield-enhancing technology to improve the competitiveness of energy beets as a feedstock.

“This is good news for the development of the industrial sugar industry in North America, especially in the northern Plains, where there are advantages to growing energy beets, so there are ongoing efforts to introduce energy beets as an industrial crop, as well as the construction and operation of processing facilities and biorefineries,” Ripplinger says. “ARPA-e funding is extremely competitive, so the projects it selects become very high profile.”

Landscape architecture students unveil plans for Fargo riverfront

A group of fifth-year landscape architecture students from NDSU presented their visions of the Fargo downtown riverfront to the public Dec. 7 in Fargo City Hall.

The 18 students presented their conceptual renderings to a panel of experts who helped determine their semester grade. The plans included flood protection, residential and office development, entertainment facilities and parks.

Attendees also learned about downtown framework plans that have been the design basis for revitalizing Broadway, the Main Avenue Bridge, the Main Library and other projects.

TV Fargo 12 will replay portions of the broadcast. For more information and a schedule, visit www.cityoffargo.com.

Communication professor named among 'top 50 journalism professors'



Collins

Ross Collins, professor of communication, has been named among the "Top 50 Journalism Professors in 2012" by the journalismdegree.org website.

According to the website, the list was developed "to recognize the accomplishments of top-tier journalism and communications professors across the country."

"It's great to see this online journalism education group recognize our efforts to promote education in new media and web design," Collins said of being named to the list. "There is no nomination process, so I presume people noticed my work over the years to support web-based education and new media at NDSU. It might also have been my website (www.rosscollins.com) that I started back in 1995 when I was part of a group of NDSU professors trying to encourage our colleagues to use the Web for teaching. I guess we were successful."

Collins joined the NDSU faculty in 1993. He is a media historian, with his research focusing on World War I and II eras, U.S. frontier journalism and French journalism during the Third Republic. He also is senior editor of the Institute for Regional Studies Press. Collins recently published a book considering children's activities during the world wars, titled "Children, War and Propaganda."

"Dr. Collins possesses credibility with journalists and students because of his experience in the profession and as a proficient historian of journalism," said Mark Meister, associate professor of communication and department chair. "NDSU students benefit from his practical insight about journalism skills and his broad understanding of journalism trends."

Collins earned his bachelor's degree at Minnesota State University Moorhead, his master's degree in cultural history from the University of Warwick, Britain, and his doctorate in journalism history at the University of Cambridge, Britain. He also earned a certificate of French studies from the University of Burgundy, France.

Community engagement visual arts project travels to Estonia



Strand

A project aimed at community engagement by Michael Strand, NDSU visual arts chair, will be displayed in an international exhibit in Estonia.

In his project, The Misfit Cup Liberation Project, Strand invites individuals to exchange a used cup, and the story behind it, with one of his hand-thrown cups. Strand first debuted 100 traded cups and their stories in April at the Plains Art Museum in Fargo. His goal is for the project to travel to 10 cities around the world and become a display of 1,000 cups and stories.

The Estonia competitive juried exhibit is titled "2012 Tallinn Triennial in Tallinn, Estonia." It opened Nov. 23 at the Estonian Museum of Applied Arts. The exhibit features 75 international artists and will run until the end of January.

"This is a fantastic applied arts competition that included major international figures in ceramics, textiles, metals and glass," Strand said.

Strand says The Misfit Cup Liberation Project's next stop is the Houston Center for Contemporary Craft as part of the National Council on Education for the Ceramic Arts Biennial. The international juried exhibition features 39 works selected from 1,360 entries.

Strand said he envisions the collection eventually finding a permanent home and becoming the basis for a book.

Strand traveled to Tallinn to accompany the project and work in the community through a residency at Asuur Keraamika in old town Tallinn. He also presented a lecture and demonstrated for students at the Estonian Academy of Art. The residency and project are partially funded by a U.S. Embassy Grant through the Estonian U.S. Embassy and support from the NDSU College of Arts Humanities and Social Sciences. For more information about the exhibition, visit www.trtr.ee/en.

Professor's book to highlight NDSU music program



Groves

Robert Groves, professor in the School of Music, is writing a book documenting the history of music at NDSU.

"I have been here for 40 years and have seen numerous changes in the program," Groves said. "It has been exciting to discover what was happening in the 1920s or 30s and see photographs of these people and activities. It shows the musical life here at NDSU is just as vibrant now as it was then."

The book will be a chronological, mostly pictorial, history of the music program and will focus on its growth, faculty, campus locations, vocal ensembles and the Gold Star Marching Band.

NDSU University Archives staff and Yukah Goetz are assisting Groves in the development of the book, which will be available for purchase in March 2013.

NDSU Counselor receives Life Saver Award



Back row: F-M Ambulance crew. Front row: Ross Balstad, Kathy Dahl (Jeffreywife), Jeffrey Dahl, Ryan Narlock and Amber Bach-Gorman.

NDSU counselor Amber Bach-Gorman received the F-M Ambulance Life Saver Award, along with two other individuals, Nov. 28 to honor their aid in assisting Jeffrey Dahl, who suffered cardiac arrest while working out at the Schlossman YMCA in Fargo.

Ross Balstad aided Bach-Gorman in her efforts of using CPR on Dahl, and Ryan Narlock, YMCA staffer, used an automated external defibrillator machine to help bring Dahl back to life with the help of F-M Ambulance paramedics who soon arrived on scene.

After the event, Bach-Gorman learned that Dahl's brother is a fellow NDSU employee. Mark Dahl, brother of Jeffrey, is the associate director of Facilities Management.

"Amber is a take-charge individual who made the decision to go and help," Mark Dahl said. "Our family can't thank her enough."

Bach-Gorman is reluctant about all the attention the story is getting, but adds that if it gets people trained in CPR, than it's a good thing.

"The award is nice, but seeing him happy, healthy and with his family is better," Bach-Gorman said.

Band director to judge London New Year's Day Parade



Johnson

Sigurd Johnson, director of athletic bands with NDSU School of Music, has been invited to judge the London New Year's Day Parade and Festival Gala Concert Series in England Dec. 27-Jan. 3. Johnson will serve on a panel of judges from the United States, England and China as they review 15 marching bands and 10 concert bands from around the world.

The New Year's Day Parade follows the famed ceremonial route that passes along the thoroughfares of Piccadilly, Regent Street and Whitehall and ends before the Houses of Parliament and Big Ben. A live television audience of approximately 220 million people will view the parade worldwide while more than a half-million people view the parade live.

The Festival Gala Concert Series is the most significant annual festival of youth music in London. The series will feature several concerts in venues throughout central London, including Cadogan Hall, home of the Royal Philharmonic Orchestra.

Development Foundation, Alumni Association leader receives honor



Miller

Jim Miller, president and CEO of the NDSU Development Foundation and Alumni Association, received the prestigious Virginia Carter Smith Recognition Award during the Council for Advancement and Support of Education (CASE) joint District V and VI conference Dec. 9-11 in Chicago.

The honor is presented to senior advancement professionals with exceptional service to CASE who are ending or will be ending their careers after at least 15 years of successful institutional advancement. Miller has announced plans to retire June 30, 2013.

"I'm extremely flattered to receive this award," said Miller, who has led the NDSU Development Foundation and Alumni Association since 1982. "What makes this extra special is that I worked with Virginia Carter Smith when she was a staff member at CASE."

Miller has been actively involved with CASE since 1971, serving on the national CASE Commission on Philanthropy and as District VI trustee to the national board of trustees. Within District VI, he served on the district's board of directors for many years and was district treasurer, district secretary, membership chair and conference program chair. Miller was named a CASE Ten+ Most Wanted Conference Speaker and was a faculty member at the organization's Summer Institute in Educational Fundraising for a decade and faculty chair of the CASE Newcomers in Development Conference. He also was a faculty member at the CASE/Higher Education External Relations Association Conference at the University of Nottingham, United Kingdom, in 2002.

"I would not have been able to do so much with CASE, if I didn't have a great staff here at NDSU," Miller said.

His previous honors from the organization include the CASE Steuben Apple Award for Outstanding Speaking in 2003, CASE District VI Gold Recognition for Most Improvement in Financial Support (1997 and 1999), Distinguished Service Award for CASE District VI in 1993 and CASE Outstanding Mentor in 1988.

During Miller's time at NDSU, the university endowment increased from \$1.4 million to more than \$100 million, and planned gift expectancies rose from less than \$1 million to more than \$75 million.

Before joining NDSU, Miller was the associate director and director of planned giving at Kansas State University Foundation and executive vice president at Kearney State College Foundation and Alumni Association.

He earned his master's degree in university administration from Eastern Michigan University, Ypsilanti, and a bachelor's degree in community recreation administration from Washburn University of Topeka, Kan.

Residence Life staff recognized at regional conference



Moser

Three Residence Life staff members were recognized during the Upper Midwest Region – Association of College and University Housing Officers annual conference Nov. 7-9 in Wisconsin Dells, Wis.

April Moser, administrative clerk, received the Upper Midwest Region Support Staff Recognition Award. Nominated by NDSU hall directors, Moser was recognized for administrative support provided to 12 hall directors, maintaining occupancy reports and judicial records for approximately 3,200 residence hall students.



Lietaert

Chas Lietaert, Reed/Johnson Hall director, presented a session, titled “Cultural Confidence – Cultivating a Staff of Cultural Learners.” Lietaert’s session explored his implementation of a semester-long Cultural Confidence Curriculum, intended to increase NDSU student staff appreciation of, and drive to learn about, cultures of others. The session emphasized the philosophy of cultural confidence rather than cultural competence, and explored assessment, preliminary data and lessons learned. The session was selected as a “Top Five” program from more than 95 conference presentations. Lietaert’s program also was chosen to

represent the region at the national conference June 15-18, 2013, in Minneapolis.

Rian Nostrum, director of Residence Life, was elected vice president/president-elect of the regional organization.



Nostrum

Clarinet assistant professor invited to present master classes



Kang

Cecilia Kang, assistant professor of clarinet with the NDSU School of Music, was invited to present master classes in Michigan. She visited the University of Michigan, Michigan State University, Eastern Michigan University and Western Michigan University in early November. She worked with students on clarinet performance techniques at each location.

Kang was the clarinet faculty artist this past summer at Luzerne Music Center, a summer classical music camp in New York. She will be a guest artist during Clarinet Day at the University of Dayton, Ohio, in March 2013 and will spend summer 2013 as the clarinet faculty artist at the Grumo Music Festival in Italy.

Visual arts professor moderates print panel



Kapplinger

Kent Kapplinger, professor of visual arts, moderated a four-person education panel, titled “Rubbing Shoulders,” during the 2012 Mid America Print Council Biennial Conference in Cape Girardeau, Mo., Nov. 3. The panel addressed the conference’s theme, “The Entrepreneurial Printmaker,” by highlighting various methods for introducing students to real-world business experience. Kapplinger discussed how the NDSU Visual Arts/PEARS collaborative print projects and workshops provide students business experience. Panel members included Stephen Frech, Laurie Geller, Bill Harbort and John Volk.

Visual arts to offer workshops to high school students

The NDSU Department of Visual Arts will offer several workshops for high school students beginning in February 2013. All students in grades nine through 12 are invited to attend the workshops free of charge. Scheduled workshops include:

- Saturday, Feb. 9: “Wooden Photographs” with Su Legatt
- Saturday, March 2: “Ceramic Image and Form” with Michael Strand
- Saturday, April 5: “Drawing from the Wild Side” with Kim Bromley

Contact Su Legatt at suzanne.legatt@ndsu.edu for more information.

Tri-College board reappoints Minnesota State Rep. Marquart



Marquart

The Tri-College University board reappointed Minnesota Rep. Paul Marquart for his third and final three-year term on the board per Tri-College’s bylaws.

Other board members include the three partnering school presidents – Dean L. Bresciani from NDSU, Edna Szymanski from Minnesota State University Moorhead and William Craft from Concordia College; and citizen board members – Pamela Astrup, Dennis Millirons, Deb Knutson and Mark Nisbet.

Marquart is serving his seventh term as the District 9B State Representative. He has been a social studies teacher in the Dilworth-Glyndon-Felton School District for 29 years and was mayor of Dilworth, Minn., for 11 years.

Marquart earned his master’s degree in education administration through Tri-College University. He and his wife, Colleen, have two daughters and live in Dilworth.

For more information on Tri-College University, call 1-8170 or visit www.tri-college.org.

NDSU Extension agents, staff honored

Several NDSU Extension Service agents and staff were honored at this year's National Association of Extension 4-H Agents conference in Orlando, Fla.

Samantha Roth, an agent for Stark and Billings Counties, and Carrie Knutson, a Grand Forks County agent, received the Achievement in Service Award.

Beth Roth, a Grant County agent, and Sue Isbell, a Sioux County agent, were honored with the Distinguished Service Award.

Peggy Anderson, an agent for Burke and Divide Counties, was presented the Meritorious Service Award.

Samantha Roth; Jane Heth, an administrative assistant for Stark and Billings Counties; and John Grindahl, a graphic designer in NDSU's Agriculture Communication Department, earned the North Central Regional Exhibit Team Award.

The agents were among more than 900 4-H youth development professionals from across the U.S. to participate in the National Association of Extension 4-H Agents' 66th annual conference, which was held Oct. 21-25.

Each year, the association recognizes members for their 4-H and Extension work with awards for outstanding accomplishments in achievement, leadership, service and communication.

Tribal College Partnerships Program advisory council named

An advisory council has been named for the newly formed Tribal College Partnerships Program. The council will assist in partnering NDSU with area tribal colleges.

Members of the council are Mark Hamley, Turtle Mountain Community College; Carol Enno, Fort Berthold Extension agent; Leander "Russ" McDonald, Cankdeska Cikana Community College; Lynette Flage, NDSU Extension Service northeast director; Donald Warne, NDSU associate professor of pharmacy practice and director of the Master of Public Health Program; Scott Satermo, BS '96, civil engineering, and owner of Rising Sun Construction; Ruth Hopkins, tribal colleges liaison manager for North Dakota Experimental Program to Stimulate Competitive Research; and Gerald "Carty" Monette, former Tribal College president.

The council is expected to create a plan, with input from tribal communities and Extension representatives, on how to strengthen relationships between NDSU and tribal colleges, according to Jaclynn Davis-Wallette, assistant vice president for equity, diversity and global outreach at NDSU. Davis-Wallette recently was named president of the Higher Education Resource Organization, also known as HEROS, which fosters cooperation and collaboration among North Dakota tribal colleges and North Dakota University System institutions.

The council will meet each semester beginning with its first scheduled meeting on Monday, Dec. 17, at NDSU.

NDSU student named Federal Service Student Ambassador



Maslowski

NDSU graduate student Jeremy Maslowski has been selected to serve as a Federal Service Student Ambassador. Maslowski, from Little Falls, Minn., is working toward his master's degree in natural resources management.

The ambassador program is sponsored by the Partnership for Public Service in Washington, D.C.

According to Samantha Donaldson, senior communications manager, the prestigious program is a unique recruiting tool for federal agencies. "The ambassadors program enlists students to promote job and internship opportunities to their fellow classmates on campuses nationwide," she explained. "Jeremy is one of 22 students selected specifically to work with the Department of the Interior."

Donaldson said Maslowski and his fellow ambassadors promote a variety of Department of the Interior occupations, including biologists, fish and wildlife administrators, park rangers, education specialists, program analysts and public affairs specialists.

"As part of my student ambassador position here at NDSU, I've been discussing in classes and with interested students about the possibilities that exist for students," Maslowski said, "I assist students with setting up accounts and navigating USAJOBS (the federal employment website), getting students in touch with agencies, handing out reference materials, proofreading and editing federal resumes, and answering questions about careers within the federal government."

Maslowski worked this past summer as a wildlife refuge specialist trainee at the Seney National Wildlife Refuge, Seney Mich., and the previous two summers as a biological science technician at Agassiz National Wildlife refuge in Middle River, Minn. After he earns his master's degree at NDSU, Maslowski hopes to be named a wildlife refuge specialist with the U.S. Fish and Wildlife Service.

"I am very passionate about being an ambassador and want as many students as possible to be aware and get interested in federal employment," he said. "I've learned a lot along my relatively young career, but the enjoyment of passing what I know to other interested students is what I really am out to do."

Student receives Power and Engineering Society scholarship

Andre Marin, a junior majoring in electrical engineering, has been selected for the prestigious Power and Engineering Society scholarship for 2012-13.

Marin was one of 32 scholars selected from region four of the Institute of Electrical and Electronics Engineers, an organization described as “the world’s largest professional association for the advancement of technology.” The IEEE Power and Energy Society has more than 29,000 members who are engaged in the electric power energy industry.

“This scholarship allows me to explore a career choice I would have not looked into before Power Engineering,” said Marin, who is a native of Houston. “It aids school expenses while helping me obtain career experience in this field which is expected to have a large demand in the near future.”

The scholarship is renewable for three years. It includes \$2,000 for each of the first two years and \$3,000 for the third year. The scholarship also gives Marin free membership to the society.

Marin hopes to attend graduate school and earn a doctorate in electrical engineering. He is also a McNair Scholar and a signal support specialist in the North Dakota Army National Guard.

“Andre is hard work personified,” said Samee Khan, assistant professor of electrical and computer engineering and Marin’s co-adviser. “This is his first semester at NDSU and he has shown great potential to perform research on some of the most difficult and intricate problems.”

Assistant professor Sudarshan Srinivasan, who is a co-adviser for Marin, noted he has worked on graduate-level formal verification research problems. “Andre showed motivation and initiative, making extraordinary efforts to understand the theory and apply what he learned toward the problems he was working on,” Srinivasan said. “Due to his efforts, he has made significant progress in his research work.”

A total of 228 students received the scholarship from 100 universities across the country. Recipients were selected on the basis of academic preparation, extra-curricular activities and leadership, interest in power and energy engineering and overall assessment of the student’s potential for a successful engineering career.

Extension Service offers program to help women farmers

Annie’s Project, a six-week program that helps farm women become better business partners in their farm or ranch operation, will be held for the seventh year throughout North Dakota.

The 2013 program will start the week of Jan. 21 at six locations: Grand Forks, Fargo, Linton, Mandan, Watford City and Elgin.

The NDSU Extension Service project gives women the skills and confidence to become more actively involved in their businesses’ decision-making process.

The program will be delivered to all sites by a combination of interactive television and local presenters. The program will provide comprehensive information on key farm management topics such as:

- How bankers make loan decisions
- Tracking expenses and income for businesses and families
- Mastering spreadsheets
- Land rental agreements
- Retirement, farm transfer and estate planning
- Grain and livestock marketing
- Insurance needs, including crop insurance
- Personnel management
- Business plans, and why and how to develop them

Registration details and more information about the program are available at www.ag.ndsu.edu/anniesproject, by contacting Annie’s Project state coordinator Willie Huot at 701-780-8229 or willie.huot@ndsu.edu, or any site facilitators listed on the website. Online registration also is available on the website.

The program is made possible by several statewide sponsors, including the NDSU Extension Service; AgCountry Farm Credit Services, Fargo and Grand Forks; Farm Credit Services of Mandan; Farm Credit Services of North Dakota, Minot; North Dakota Grain Growers and North Dakota Farm Service Agency. Local sponsors at each location also help offset program costs.

NDSU nose guard named to all-academic second team

NDSU nose guard Ryan Drevlow was among 44 student-athletes named to the 2012 Missouri Valley Football Conference all-academic team, announced by the league office Nov. 28.

Drevlow was named to the second team, while teammates, defensive end Kyle Emanuel, fullback Andrew Grothman, defensive tackle Danny Luecke and wide receiver/return specialist Ryan Smith were honorable mention.

Drevlow, a junior from Gwinner, N.D., maintains a 3.66 grade-point average majoring in electrical engineering. He also was a College Sports Information Directors of America Academic All-District first-team selection this season. He was nominated for the 2011 NCAA Elite 89 Academic Award.

Nominees must be starters or important reserves with at least a 3.20 cumulative grade-point average on a 4.0 scale. Student-athletes must have reached sophomore academic and athletic standing and must have completed at least one full academic year at their institution. League sports information directors voted on the team by designating 11 players for first-team honors and 11 players for second-team honors.

RESEARCH

Associate professor's paper on Lake Superior earns honors



Lepper

A paper co-written by Kenneth Lepper, associate professor of geology, recently was named an "Editors Choice" selection by the Canadian Journal of Earth Sciences.

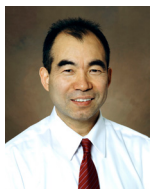
The article, "A Sault-outlet-referenced mid- to late-Holocene paleohydrograph for Lake Superior constructed from strandplains of beach ridges," was selected for the journal's November issue.

According to Lepper, the paper "presents a paleohydrologic record of lake level change in Lake Superior from 4,500 years ago to the present day. This geologic data provides a baseline for understanding how Lake Superior and other large lakes may respond to changing climate."

Other authors included John W. Johnston of the University of Toronto Mississauga, Erin P. Argyilan of Indiana University Northwest, Todd A. Thompson of Indiana University, Steve J. Baedke of James Madison University, Douglas A. Wilcox of SUNY-The College at Brockport, and Steven L. Forman, University of Illinois at Chicago.

The Canadian Journal of Earth Sciences, published since 1963, is a monthly journal that reports current research related to such topics as climate and environmental geoscience; geoarchaeology and forensic geoscience; geochronology and geochemistry; geophysics; hydrology; mineralogy and petrology; planetary geoscience; soil sciences; and structural geology and tectonics.

Pharmaceutical sciences assistant professor presents cancer research



Wu

Erxi Wu, assistant professor of pharmaceutical sciences, presented "Identification of transcription intermediary factor 1-beta and nucleolin as salinomycin binding targets with critical roles in cell proliferation and survival" at the Hallmarks of Cancer Cell Symposia in San Francisco in October.

The purpose of the symposium is to highlight recent advances by bringing together leaders in the field and to facilitate the translation of basic research discoveries into improvements in cancer treatment.

According to the event's website, "There has been tremendous progress in understanding key aspects of cancer, such as the impact of genomic instability, the unique mechanisms that cancer cells use to sustain their growth, and the role of stromal cells in promoting tumor growth and dissemination. This improved knowledge has led to the development of many new cancer therapeutics, several of which are already in clinical use." For more information on the symposium, visit www.cell-symposia-hallmarksofcancer.com/index.html.

"My former colleagues Dr. Lander and Dr. Weinberg's, who also is a co-chair for this symposium, groups demonstrated that

salinomycin has strong anticancer activities with 100-fold potency than paclitaxel and is also a cancer stem cell killer in their 2009 cell paper. Since then, much effort has focused on its action mechanism study. Now we are the first one to have identified its binding targets using comprehensive approaches in neuroblastoma," Wu said.

"Neuroblastoma is a common solid malignancy diagnosed in children. Despite advances in diagnosis and treatment, its curable rate remains low, less than 30 percent. Previous studies have shown that neuroblastoma cells are of stem cell origin. In this study, we determined the effects of salinomycin in neuroblastoma cells and investigated its molecular mechanism. Our data show that salinomycin induces cell death and inhibits cell proliferation in human neuroblastoma cells by largely due to cell cycle arrest at S/G2 phases. We revealed that transcription intermediary factor 1-beta and nucleolin are potential binding targets of salinomycin. Our results indicate that intermediary factor 1-beta and nucleolin could be potential therapeutic targets, and salinomycin could be a new therapeutic agent for treating neuroblastoma," Wu continued.

Shuang Zhou, a doctoral student in Wu's lab, is a leading author for the study. Co-authors include Fengfei Wang, research associate in Wu's lab; Shi-Hua Xiang, assistant professor at the University of Nebraska; Eric Wong, associate professor at Harvard Medical School; Wallace Muhonen, research specialist, John Shabb, associate professor, and Min Wu, associate professor, at the University of North Dakota, Ekokobe Fondkem, assistant professor at Texas A&M Health Science Center; and Joseph Wu, professor at New York Medical College.

Wu said he appreciates the Centers of Biomedical Research Excellence Center for Visual and Cognitive Neuroscience support of the research. The center has provided financial support totaling \$163,000 during the past two years.

Wu also was offered a Centers of Biomedical Research Excellence Pilot Project Award by the Center of Protease Research and will continue the research on salinomycin's binding targets in neuroblastoma. The award will help Wu seek an R01 grant from the National Institutes of Health.

Associate professor publishes article on rise of China



Ambrosio

Thomas Ambrosio, associate professor of political science, published "The Rise of the 'China Model' and 'Beijing Consensus': Evidence of Authoritarian Diffusion" in Contemporary Politics. The article examines eight years of U.S. and global media to analyze perception about the perceived legitimacy, effectiveness and applicability of China's model of authoritarian-capitalism. It finds that, at the present time, concerns about China's rise precipitating an anti-democratic 'reverse wave' are exaggerated. Instead, China's influence on the global balance between democracy and authoritarianism is more subtle and indirect.

Animal sciences faculty, students published

Several faculty members and students in the NDSU animal sciences department co-wrote articles that were published recently. Some of the articles were developed with colleagues from other universities.

Anna Grazul-Bilska, M.L. Johnson, Pawel Borowicz, Dale Redmer and Larry Reynolds had "Placental Development During Early Pregnancy in Sheep: Effects of Embryo Origin on Fetal and Placental Growth, and Global Methylation" published in *Theriogenology*.

Philip Steichen, Kim Vonnahme and Marc Bauer published "Influence of Nitrogen and Sulfur Intake on Bovine Uterine pH Throughout the Luteal Phase" in the *Journal of Animal Science*.

Steve Eckerman, Greg Lardy, Megan Van Emon, Bryan Neville, Paul Berg and Chris Schauer published "Effects of Increasing Dosages of Zeranol Implants on Lamb Growth, Carcass Characteristics, Blood Hormones and Nitrogen Metabolism" in the *Journal of Animal Science*.

Rob Maddock published "National Beef Tenderness Survey – 2010: Warner-Bratzler Shear-force Values and Sensory Panel Ratings for Beef Steaks from United States Retail and Foodservice Establishments" in the *Journal of Animal Science*.

HD&E faculty present, publish

Heather Fuller-Iglesias, assistant professor of human development and family science, presented two papers at the 65th annual Scientific Meeting of the Gerontological Society of America held Nov. 14-18 in San Diego. The first paper was titled "Marital Quality Among Mexican Adults: El que se casa por todo pasa" and was part of the symposium "Charting New Frontiers in Marital Quality: Connections Across Spouses, Systems, and Cultures." The second paper was titled "Negativity within Mexican adults' highly positive family relationships," and was part of the symposium "The Downside of Positive and Supportive Social Ties."

Ardith Brunt, associate professor of dietetics, with former doctoral student Nandita Bezbaruah will give a *Journal of Nutrition Education and Behavior* Journal Club webinar Feb. 4 called "The Influence of Cartoon Character Advertising on Fruit and Vegetable Preferences of 9- to 11-Year-Old Children." The club will consist of weekly webinars featuring authors from the latest issue of the journal. During the webinars, the authors will review and discuss their research articles and students will have an opportunity to ask authors questions. Each one-hour webinar will be broadcast to participating graduate classrooms across the country.

All NDSU Counseling students who completed the national comprehensive exam passed. NDSU counseling students averaged a total score of 95 and the national average was 83.87.

Abby Gold, assistant professor and food and nutrition specialist, and Glenn Muske from NDSU Extension Service were awarded a grant for \$74,980 from a USDA Sustainable Agriculture Research and Education program, titled "Expanding Opportunities for Sustainable Small Farm Specialty Crop Producers: Training Educators in Feasibility Analysis/Local Foods; Marketing and Business Management; and Community Building/Food Safety."

Phoenix Fashion Week named NDSU alumna Brianna Seeley, BS' 04, apparel and textiles, Designer of the Year. Seeley won a \$10,000 prize and a chance to show at Los Angeles Fashion Week. Zappos.com has picked up her designs for spring.

Amelia Asperin and Jaeha Lee, assistant professors of apparel, design and hospitality management, had two poster presentations at the recent International Textiles and Apparel Association conference in Honolulu. They were "Exploring student and alumni purchase behavior of university-licensed merchandise" and "Innovative branding: The university tartan."

Kwangsoo Park, instructor of hospitality management, had a paper, titled "Religion and perceived travel risks," accepted for publication in *Journal of Travel and Tourism Marketing*. The paper was co-written with He Li and Wesley Roehl at Temple University. The paper will be published in 2013.

Sherri Stastny, assistant professor in dietetics, and Julie Garden-Robinson, professor and Extension specialist, presented "Living with Low Vision" at the Research Extension Center Fall Conference in Fargo. The presentation was prepared by Stastny and Garden-Robinson along with assistants Casey Kjera and Krystal McMeal, both registered dietitians.

Kyle Braulick, an alumnus of the Advanced Athletic Training Master's Degree Program, adviser Kevin Miller, Jay Albrecht (former faculty member), Jim Deal, head of human development and family science, and Jared Tucker (former faculty member) had a manuscript accepted in the *British Journal of Sports Medicine*. The study, titled "Significant and serious dehydration does not affect skeletal muscle cramp threshold frequency," examined whether serious dehydration increases cramp risk. The results showed when fatigue is controlled, dehydration (as high as 5 percent body mass loss) does not increase the risk of cramping. The article will be published online in December and appear in print in 2013.

Kevin Miller, assistant professor of athletic training, co-wrote a paper, titled "The importance of target tissue depth in cryotherapy application," accepted for publication in the *Journal of Athletic Enhancement*. Co-written with Jeremy Hawkins of Illinois State University, the manuscript discusses how cold therapy treatments should focus on the depth of treatment rather than the amount of subcutaneous fat of patients. Treatment guidelines for cold therapy also were recommended based on the results to help guide clinical decision-making.

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

Counselor education associate professors Jill Nelson, Brenda Hall and James Koruska and doctoral students Brynn Luger, Amber Bach-Gorman and Mary Onungwe attended the North Central Association for Counselor Education and Supervision conference

in Kansas City. Hall and Nelson presented their work, “Strategies for Engaging Site Supervisors in Clinical Supervision Training.” Nelson, Korcuska, Bach-Gorman, Luger and Onungwe presented “Who’s Keeping the Gates of Professional Counseling? A Qualitative Study of Clinical Supervisors.” Luger presented “Working on the Reservation: A Resource Review and Call to Action for Counseling Practitioner Wellness.” Bach-Gorman presented her research, “Supervision Straight Talk: A Qualitative Analysis of What Masters Level Counselors-in-Training Conceptualize as the Supervisory Working Alliance and Ruptures during their Internship Experiences.”

Luger and Onungwe were selected North Central Association for Counselor Education and Supervision “Emerging Leaders,” based on potential for leadership. They attended an Emerging Leaders workshop while at the conference and were recognized at a luncheon. Eight students from a 13-state region were selected for the honor. Onungwe received the additional honor of being recognized as an ACES presidential fellow.

Linda Manikowske, associate professor of apparel, design and hospitality management, presented an innovative teaching session at the International Textile and Apparel Association meeting in Honolulu. The paper, titled “Service–Learning Supports Professional Development in a Pre-Internship Seminar Course,” was co-written by WooMi Phillips, assistant professor of apparel, design and hospitality management, and Matthew Skoy, assistant director of Service Learning and Civic Engagement, NDSU Memorial Union.

Cali Anicha and Christine Okurut-Ibore, doctoral students in education, had a paper accepted for the 2013 AERA annual meeting to be held in San Francisco April 27-May 1. The paper is titled “An Exploratory Inquiry: What Constitutes Right-Relationship in Global South-North Educationist Collaborations?” The exploratory inquiry imagines a critical complexivist pedagogy for teacher professional development through some initial responses – from a Global Southerner and a Global Northerner – to the question, “What might genuinely collaborative and emancipatory professional development praxis among teachers engaged in transnational alliances for educational, economic, and environmental equity and justice look like?”

In August, Liz Erichsen, assistant professor in the School of Education, gave the presentation, “Gesprächsrunde: The American Education System and Teacher Training,” as an invited speaker at the Johann Wolfgang Goethe-Universität in Frankfurt, Germany. In September, she coordinated Astrid Seltrecht’s visit to NDSU and her presentation, “Lifelong Learning in the Context of Life-Threatening Diseases: A German Perspective,” for the NDSU World iView Fall 2012 speaker series. In October, Erichsen presented results from the report titled, “North Dakota Strategic Prevention Framework State Incentive Grant Infrastructure Baseline Evaluation,” to North Dakota’s State Epidemiological Outcomes Workgroup and the Department of Human Services administrators in Bismarck in the capitol building.

Erichsen co-wrote the following four articles that have been accepted for publication and currently are in press: “Student satisfaction with blended and online courses based on personality type” in the Canadian Journal of Learning and Technology, “The complexity of culture: Toward a theory for understanding student culture as an emergent system” in the Journal of Research in Science Teaching “Sociotechnical systems approach: A case analysis of a blended doctoral program” in The Journal of Continuing Higher

Education and “Student satisfaction with graduate supervision in doctoral programs primarily delivered in distance education settings” in Studies in Higher Education.

Liz Erichsen also co-presented “Transformative Learning in Relationship,” and “A Confucian Model for Scholarly Development,” at the conference of the American Association of Adult and Continuing Education in Las Vegas; “Bridging Adult Education between East and West: Critical Reflection and Examination of Western Perspectives on Eastern Reality” and “Learning the Arabian or the American Way? Negotiating Divergent Pedagogical and Learning Cultures” at the international conference of the International Society of Comparative Adult Education in Las Vegas; and “Student satisfaction with graduate supervision in doctoral programs primarily delivered in distance education settings” at the conference of the Northern Rocky Mountain Education Research Association, Park City, Utah. She was installed as the state representative for North Dakota in the Northern Rocky Mountain Educational Research Association, and is a new board member of the International Society for Comparative Adult Education.

EVENTS

Data management presentation scheduled

Electronic communication devices have the power to both simplify and complicate our lives.

The devices are used to create, store and manipulate data, whether the information is personal or work-related. Data is valuable, and the threat of loss is imminent — unless steps are taken to manage and protect that data.

NDSU faculty, staff and students are invited to attend “Got data? Now what? Best practices for managing your data,” to learn about simple and practical strategies and tools available at NDSU to help you actively manage your data. The presentation is scheduled for Tuesday, Jan. 15, from 9:30 to 10:30 a.m. and Thursday, Jan. 17, from 2 to 3 p.m. Both sessions are set for the Memorial Union Arikara room.

The presentation is hosted by NDSU’s Research Data Working Group. For more information, visit www.ndsu.edu/research_data.

FORWARD announces new faculty workshop and future events

The FORWARD project at NDSU will begin spring semester events with “Enhancing Department Climate: Tips for New Faculty,” scheduled for Monday, Jan. 7, from 9 a.m. to 10:30 a.m. in the Memorial Union Mandan room. During the workshop, the FORWARD group will share tips for new faculty members on a successful transition to NDSU and promoting a more inclusive department culture. Registration is requested and can be completed on the FORWARD website at www.ndsu.edu/forward. Evaluations for past workshops also can be found on the FORWARD website.

Additional FORWARD events during spring semester include anti-racism training for department heads and chairs on Jan. 22. February events include ally training on Feb. 5 for male faculty in the Colleges of Arts, Humanities and Social Sciences and Human Development and Education; faculty search committee training sessions on Feb. 6 and 7; promotion to professor panel session on Feb. 14; and the “power of dead even rule” workshop by Marie Hvidsten, NDSU Extension, on Feb. 19. Further details about times and registration for these events, as well as other FORWARD activities throughout the semester, will be announced in future issues of It’s Happening at State and on the FORWARD website.

NDSU Feedlot School set for Jan 22-23

NDSU’s Carrington Research Extension Center has scheduled its annual NDSU Feedlot School for Jan. 22-23, 2013.

The intensive course is for cattle producers, feeders, backgrounders, feed industry personnel, animal health-care suppliers and anyone else interested in learning more about feedlot production, nutrition, waste management and marketing.

“Cattle feeding is a multifaceted business,” says Karl Hoppe, area Extension livestock specialist at the center. “While delivering a timely, balanced ration to the cattle is a major segment of the business, resource and risk management are paramount. With a new packing plant operating in Aberdeen, S.D., there may be an increase in cattle fed to finish. However, the backgrounding feeders will continue to be a strong industry in North Dakota.”

The school also will include a commercial feedlot tour and a tour of the Research Extension Center’s livestock facilities.

For more information about the course or to register, contact Foster County Extension agent Joel Lemer at 701-652-2581 or joel.lemer@ndsu.edu.

Lab and chemistry safety courses scheduled

Two Lab and Chemical Safety courses have been scheduled for Tuesday, Jan. 15, from noon to 4 p.m. in the Memorial Union Meadow Lark room, and Thursday, Jan. 17, from 9 a.m. to 1 p.m. in the Memorial Union Prairie room. The course instructor will be Ted Jirik.

Class size is limited to 10 persons and pre-registration is required. In the event no pre-registrations are received, the class will be canceled. It is important that registered students attend the full session; individuals registered for the class will not pass unless the entire class is completed.

The course is required for new laboratory workers and serves as a refresher course for people working in laboratories.

Topics will include knowledge about chemicals, personal protection, fire safety, electrical safety, hazard communication standards, physical and chemical hazards, chemical spills and waste handling. There is no fee for the lab and chemical safety course.

To register for the course, email stephanie.wegner@ndsu.edu or call 1-7759.

Wellness Center announces winter break hours

The NDSU Wellness Center will be open the following days and hours during winter break, Dec. 17 through Jan. 6:

- Monday through Friday: 6 a.m. to 9 p.m.
- Saturdays: 9 a.m. to 9 p.m.
- Sundays: noon to 9 p.m.

Exceptions to winter break hours include:

- Mon, Dec. 24 (Christmas Eve): 6 a.m. to 2 p.m.
- Tue, Dec. 25 (Christmas Day): Closed
- Mon, Dec. 31: (New Year’s Eve) 6 a.m. to 4 p.m.
- Tue, Jan. 1 (New Year’s Day): Closed
- Sun, Jan. 6: Noon to midnight

POSITIONS AVAILABLE

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

Office Manager

North Dakota Forest Service
\$29,390+/year
Open until filled

Grant Coordinator

Pharmacy Practice
\$40,000+/year
Dec. 21

Pharmacy Technician

Family Healthcare Pharmacy
Commensurate with experience
Dec. 14

Associate Research Fellow

Upper Great Plains Transportation Institute
Commensurate with experience
Open until filled

Technical Specialist

Upper Great Plains Transportation Institute
Commensurate with experience
Dec. 26

Custodian (4 a.m. and 5 a.m. starts) - Repeated

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

Custodian (two evening positions)

Facilities Management
\$20,384+/year
Dec. 17

HPC Systems Administrator (two positions)

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

Help Desk Consultant

Information Technology Services
\$40,000/year
Open until filled

System Administrator (two positions)

Enterprise Computing and Infrastructure
Commensurate with experience
Open until filled

Custodian (multiple positions)

Residence Life
\$20,384+/year
Open until filled

Administrative Secretary

AES Plant Pathology
\$28,000+/year
Dec. 20

Administrative Assistant – Williston, N.D.

AES Williston R/E Center
Commensurate with experience
Dec. 26

Administrative Assistant – Director's Office N.D. Agricultural Experiment Station

(Open to NDSU employees only)
Commensurate with experience
Jan. 7

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

NEXT ISSUE Publication date: Tuesday, Jan. 15 | Submissions due: Jan. 10 at noon

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

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