

NDSU

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IT'S HAPPENING AT STATE

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NDSU and Bobcat leadership discuss expanding partnership

NDSU administrators and Bobcat representatives are discussing new ways to expand their partnership. Meetings were held March 14 in Wahpeton, N.D., and Gwinner, N.D., to identify opportunities, such as additional courses and training NDSU could provide to support Bobcat's future employee needs. Leaders from North Dakota State College of Science also attended the meetings.

Discussions with Bobcat began in January and another meeting with academic departments is planned for April. "The main focus at this stage is to identify areas of education that NDSU can provide to support future employee needs for Bobcat, such as offering various engineering courses," said NDSU President Dean L. Bresciani.

"Working closely with our partners in private enterprise is an important function of NDSU's land-grant mission," said NDSU Provost Bruce Rafert. "We truly live in a global economy and by furthering our collaborations with Bobcat, NDSU is on the front lines of economic development for North Dakota."

NDSU's representatives included President Bresciani; Rafert; Phil Boudjouk, vice president for research; Gary Smith, dean of the College of Engineering and Architecture; Dennis Anderson, associate vice president for research; Tony Grindberg, executive director of the Research and Technology Park and Brenda Wyland, associate director of the Research and Technology Park.



Representatives from NDSU, the NDSU Research and Technology Park, Bobcat and North Dakota State College of Science stand in front of the Bobcat facility in Gwinner, N.D.

Bobcat attendees included Richard Goldsbury, president of Doosan Infracore Construction Equipment and Bobcat North America and Oceania; Charles Krause, director for global engineering; Troy Kraft, vice president for North American sales; and Scott Rossow, engineering manager.

The day included presentations highlighting various topics such as hydraulics design, electronics and software. The group also toured facilities, such as Bobcat's Wahpeton plant, North Dakota State College of Science's diesel labs and the Bobcat factory in Gwinner.

Nobel Prize winner to present pharmaceutical sciences research lecture



Murad

The Department of Pharmaceutical Sciences has invited Nobel laureate Dr. Ferid Murad to deliver a research lecture and meet with department faculty, graduate students and other interested NDSU faculty. Murad will present "Discovery of Nitric Oxide and Cyclic GMP in Cell Signaling and Their Role in Drug Development," on Thursday, April 12, from 10 a.m. to 11:30 a.m. in the Memorial Union Century Theater.

In 1998, Murad received the Nobel Prize in medicine for his discovery of the role of nitric oxide in the cardiovascular system. The discovery not only contributed to a better understanding of how information is transmitted between cells but also had a significant influence on cardiovascular medicine, leading to changes in treatment following a heart attack. His research and findings on the effect of nitric oxide continue to influence the treatment of cancer, arthritis and other human diseases.

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 April 13 It's Happening at State

The next electronic issue of It's Happening at State will be posted April 13 at www.ndsu.edu/ihas. Submissions for that issue are due at noon on April 10.

Voting for Staff Senate senators ends Friday, March 30

Voting for Staff Senate senators ends at 5 p.m. on Friday, March 30. To view the nominees and read their information, visit www.ndsu.edu/staff_senate/. To vote, visit <https://apps.ndsu.edu/staffelection>.

For additional information about Staff Senate, contact an Executive Committee member. The committee directory is available at www.ndsu.edu/staff_senate/committees/#c40553.

Murad is a professor at George Washington University, Washington, D.C. He was previously at the University of Texas at Houston as director emeritus of the Brown Foundation Institute of Molecular Medicine for the Prevention of Human Diseases, director of the Institute of Molecular Medicine Center for Cell Signaling, Regent Professor and John S. Dunn Sr. Distinguished Chair in Physiology and Medicine, and director of the University of Texas Health Science Center at Houston Program in Intracellular Signaling. He was on the faculty of Northwestern University and the University of Virginia, where he was director of the Clinical Research Center and director of the Division of Clinical Pharmacology. He was chief of medicine at the Palo Alto Veterans Hospital, chairman of medicine at Stanford University and vice president of research and development at Abbott Laboratories.

Murad is a member of the National Academy of Sciences and its Institute of Medicine, fellow of the American Academy of Arts and Sciences and member of the Texas Academy of Medicine, Engineering and Science Technology. He earned his bachelor's degree from DePauw University and doctor of medicine and doctorate from Case Western Reserve University. He completed his residency at Massachusetts General Hospital and a fellowship at the National Institutes of Health. He has received numerous awards and honors in addition to the Nobel Prize, including the Albert and Mary Lasker Basic Medical Research Award, American Heart Association Ciba Award and Baxter Award for Distinguished Research in the Biomedical Sciences from the Association of American Medical Colleges. He has received honorary doctorates from 13 universities.

The seminar is open to all persons interested in pharmaceutical and biomedical research. For more information, contact Jagdish Singh at 1-7943 or jagdish.singh@ndsu.edu.

The event is sponsored by the Department of Pharmaceutical Sciences, American Association of Pharmaceutical Scientists Student Chapter, Department of Pharmacy Practice, Center of Biopharmaceutical Research and Production, Center for Visual and Cognitive Neuroscience, Center for Protease Research and Office of the Provost.

Accreditation, assessment and academic advising director named



Peterson

Larry Peterson, professor of history, has been named director for accreditation, assessment and academic advising in the Office of the Provost. He will start his new duties April 2.

Among his responsibilities, Peterson will coordinate campus efforts to continuously evaluate and improve student learning at NDSU, chair the University Assessment Committee, serve as assessment representative on the General Education Committee and collaborate with the Office of Institutional Research and Analysis to further assessment of student learning outcomes.

He also will lead NDSU's team preparing for accreditation by the Higher Learning Commission.

In his letter of application, Peterson wrote, "I look forward to this opportunity to serve the NDSU campus in a new role. My style

of leadership emphasizes collaboration and flexibility. I am strongly committed to improving all aspects of student learning and experience, but I am open and pragmatic about how we do it."

Peterson joined the NDSU faculty in 1977 as a visiting assistant professor of English and lecturer of history. He was named a full professor of history in 1994. He was department chair from 1989 to 2006.

He has been active in many college and university committees, including most recently the Training Our Campuses Against Racism Collaborative; NDSU Anti-racism Team; the review team for the Strategic Plan for Diversity, Equity and Community; Equity and Diversity Advisory Council; and Council on Improving Advising. He is co-chair of Core Undergraduate Learning Experiences.

Peterson earned his bachelor's degree at Minnesota State University Moorhead, and his master's degree and doctorate in American studies at the University of Minnesota, Minneapolis.

New dean of College of Science and Mathematics named



Wood

NDSU Provost Bruce Rafert has announced Scott Wood is the new dean of the College of Science and Mathematics. Wood, dean of science at the University of Idaho, Moscow, is expected to join NDSU in July.

"Scott will help build academic distinction across the college, while creating new networks of support and innovation for the entire college. We are delighted to welcome him to NDSU," Rafert said.

Wood replaces Kevin McCaul, who is retiring after six years as dean. McCaul joined NDSU in 1978 and will return to the psychology department to continue teaching.

Wood has been with the University of Idaho since 1991 as a faculty member in geochemistry. He was promoted through the ranks to professor in 1997, associate dean of science in 2006, interim dean of science in 2007 and dean of science in 2008. The College of Science at the University of Idaho includes biological sciences, chemistry, geography, geological sciences, mathematics, physics and statistics.

Wood was born and raised in Utica, N.Y. He earned a bachelor's degree in geology and chemistry from Hamilton College, Clinton, N.Y., in 1980 and master's degree and doctorate in geology from Princeton University in 1985.

He was a tenure-track faculty member at McGill University in Montreal from 1985 to 1991. Wood also has held visiting scientist positions at Los Alamos National Laboratory in New Mexico and Oak Ridge National Laboratory in Tennessee. He has published 83 refereed journal articles, 13 chapters in books or monographs, 23 refereed conference proceedings and has given more than 170 seminar or conference presentations. He has obtained several millions of dollars of research funding from a variety of sources including the National Science Foundation, Department of Energy, Department of Defense, National Institutes of Health, Department of Defense, American Chemical Society and the minerals industry.

Wood's area of expertise is aqueous geochemistry, specifically how minerals interact with various types of aqueous solutions with applications toward mineral deposit exploration, geothermal energy exploration, nuclear waste disposal, health effects of asbestos and other minerals in the lungs, and the environmental geochemistry of acid-mine drainage. He is particularly known for his expertise in the geochemistry of rare earth elements and platinum group elements.

Director of Upper Great Plains Transportation Institute named



Tolliver

NDSU Provost Bruce Rafert announced Denver Tolliver is the new director of the Upper Great Plains Transportation Institute, effective April 2. He has served as the institute's associate director since 2003.

"Dr. Tolliver's contributions to the Upper Great Plains Transportation Institute over the past years and his outstanding vision for the future

of its academic and research programs make him an excellent candidate for this position," Rafert said. "We look forward to continued growth and accomplishment within the institute under his direction."

Tolliver has been with the institute since 1980, serving as a research associate, director of the Mountain-Plains Consortium and director of the NDSU transportation and logistics graduate program. Before joining NDSU, Tolliver was a rail planner with the North Dakota Department of Transportation. During his time at NDSU, he has been awarded nearly \$25 million in grant funds. Tolliver will replace Canan Bilen-Green, who has served as interim director since October. She is a professor of industrial and manufacturing engineering at NDSU.

Tolliver earned his doctorate in environmental design and planning from the Virginia Polytechnic Institute and State University and has published more than 150 technical reports and journal articles during his career. His primary research interests are freight and railroad transportation, highway system planning and environmental impact assessment. He has served on the Freight Rail Committee of the Transportation Research Board and is past president of the Agricultural and Rural Transportation Chapter of the Transportation Research Forum.

In addition to research, Tolliver led the establishment and growth of three graduate degree programs at NDSU and taught eight different graduate courses in transportation and logistics. For his role in helping found and administer the transportation leadership graduate certificate program, Tolliver received the Institute of Transportation Engineers' award for Innovation in Transportation Education.

The institute is a free-standing, interdisciplinary center at NDSU. Staff members conduct research and outreach focused primarily on small urban and rural transportation and mobility. NDSU's graduate programs in transportation and logistics also are coordinated by the institute.

President Bresciani honored by alma mater



Bresciani

NDSU President Dean L. Bresciani has been recognized with the 2012 Distinguished Alumni Award by Humboldt State University, Arcata, Calif. Bresciani earned his bachelor's degree in sociology from the university in 1984.

The honor acknowledges Humboldt State University alumni for outstanding achievements in their fields or service to their community, nation or their alma mater. Bresciani was one of four Humboldt graduates recognized with 2012 awards.

According to Humboldt, the magazine of the university, Bresciani worked for the Humboldt Orientation Program for one summer and that channeled his efforts to helping students. According to the magazine, "The experience laid the groundwork for a career in higher education administration, which has included top posts at universities throughout the country."

Prior to being named NDSU's 14th president in 2010, Bresciani was vice president for student affairs at Texas A&M University in College Station. He previously was at the University of North Carolina at Chapel Hill, holding positions including interim vice chancellor for student affairs. From 1992 to 1998, he worked at the University of Nebraska at Kearney, in positions including director of Residential and Greek Life and interim associate vice chancellor for student affairs.

A native of Napa Valley, Calif., Bresciani earned his master's degree in college student personnel from Bowling Green State University, Bowling Green, Ohio; and doctorate in higher education finance, with a doctoral minor in economics, from the University of Arizona, Tucson.

US Department of State assistant secretary visits NDSU

Acting Assistant Secretary of Public Affairs for the U.S. Department of State Michael Hammer met with students and faculty on March 26 at NDSU. Hammer discussed career opportunities at the Department of State, foreign policy priorities for 2012 and the department's Campus Connections Initiative, which aims to engage students in foreign policy issues and topics.

"We were extremely pleased to welcome Acting Assistant Secretary of Public Affairs Michael Hammer to the NDSU campus to engage students, faculty and the wider community in discussions about U.S. Department of State foreign policy programs and opportunities," said NDSU President Dean L. Bresciani. "Awareness of international issues and U.S. foreign policy has never been more important than in today's globally connected world. This visit provided the opportunity for students to gain valuable insight into a critical part of the U.S. government, discover ways they can connect with the State Department during their university experience and explore potential scholarship, internship and career options."

Hammer presented separately to students and faculty.

He presented “Connecting with the U.S. Department of State” to faculty to help them learn how to access and use digital platforms to bring foreign policy experts into the classroom, as well as other student-focused state department initiatives.

Hammer later spoke to students about internships, fellowships and career opportunities at the U.S. Department of State in Washington, D.C., and abroad.

Programming planned for Sexual Assault Awareness Month

NDSU’s Sexual Assault Prevention Programs have planned a variety of events for April, which is Sexual Assault Awareness Month.

“Year round, Sexual Assault Prevention Programs collaborates with units across campus to provide students with tools to make healthy, positive decisions in their own relationships and to actively intervene in situations that could lead to violence or negative consequences for others,” said Sarah Dodd, assistant director for sexual assault prevention programming at NDSU. “During this month, we would like to shine a light on the experience of sexual assault survivors in our community and how we can best provide them with support.”

Sexual Assault Awareness Month events include an installation in the Memorial Union Gallery; a freeze mob in the Memorial Union; a presentation by an NDSU sexual assault survivor, her close friend and her mother; and a screening of Jennifer Baumgardner’s new documentary, “It was Rape,” followed by a question and answer session with Baumgardner. In addition, teal ribbons will be tied around trees on campus to highlight Sexual Assault Awareness Month.

A full list of events is available at www.ndsu.edu/student_life/departments_and_programs/sexual_assault_prevention.

Pears Education and Research Studio announces visiting artist



Maury

NDSU Visual Arts and Pears Education and Research Studio Visiting Artist Program announced its 12th annual summer printmaking workshop will feature printmaker Nichole Maury, associate professor of art at Western Michigan University. The workshop is scheduled for June 11-22.

Maury will present “The Non-Repeatable Print,” introducing students to monotype and monotype screenprinting techniques, with a focus on content and experimentation. Students will learn a variety of non- or semi-repeatable mark making techniques using both traditional and non-traditional stenciling processes. Attention will be given to the development of serial imagery, ghost imagery and the successful use of color. Setting up a personal water-based screenprinting studio will be addressed.

Maury’s prints have been included in several international and national venues, including the International Print Center, New York; Scuola di Grafica, Venice, Italy; Chicago Cultural Center;

and the Urban Institute of Contemporary Art, Grand Rapids, Mich. She has been awarded residencies at Frans Masereel Centrum, Belgium; Kala Art Institute of Art, Berkeley, Calif.; Women’s Studio Workshop, New York; and Jentel, Wy. Her prints have been included in publications such as *New American Paintings* and *Printmakers Today*.

Extension Service develops app to find cost-effective heating fuel

Heating Fuel Comparison, a new mobile device application developed by the NDSU Extension Service, can help people determine the most cost-effective fuel source when selecting new heating appliances.

“The app allows users to compare costs of various heating fuel sources,” said Carl Pedersen, NDSU Extension energy educator. “You simply choose the fuel types you are considering and the efficiency of the heating appliance you are looking to purchase, and the app will provide relative costs of each fuel source.”

For example, electric baseboard heating at 10 cents per kilowatt-hour is equivalent in price to heating with propane in a high-efficiency furnace at propane prices of \$2.48 per gallon. If propane prices are below \$2.48, then using propane heat would be more cost effective.

If a consumer has more than one heating system, the app also will allow them to determine which might be less expensive to use.

“Some buildings have multiple heating sources,” Pedersen said. “As fuel prices fluctuate, the app will allow people to choose the fuel that will be the least expensive at a given time.”

The app is intended to provide general comparisons based on fuel costs. You have more costs to consider when choosing which fuel source would be best to provide the desired heat. They include the initial purchase and installation costs of heating equipment, as well as delivery or service charges.

In addition to providing information on fuel sources, the app also includes information on ways to reduce energy use in buildings. For example, the better the structure is air-sealed and insulated, the longer heat will stay in the building.

The app is available for Android and Apple-compatible devices.

Students present 8th annual Food and Wine Show

NDSU Hospitality Student Association presented their eighth annual Food and Wine Show on March 29 at the NDSU Alumni Center. There also was a special Tartan Trunk Show presented by the Fashion Apparel and Business Organization.

Attendees enjoyed an assortment of food and wine, bid on silent auction items and supported this effort by students to raise money for scholarships and activities.

NDSU students bring technology to elementary classrooms



Chris Lindgren, who is pursuing his master's degree in English at NDSU, assists a Madison Elementary School student learning "Sugar," a computer software platform that allows kids to explore math, science, language arts and other subjects. Lindgren serves as project manager for a team of students led by Professor Kevin Brooks, English department chair. The NDSU team spent 14 weeks working with students at Madison School in Fargo and will compile their research findings for further learning outreach activities in the community.

Many children are exposed to technology at an early age, but few are taught how to harness the power of technology to drive their own learning and their future. A group of students from NDSU and their adviser, Kevin Brooks, chair of the English department, are working to change that. They're partnering with local elementary schools, beginning with Madison School in northwest Fargo.

Brooks and the NDSU students have worked with Tech Team students at Madison School for 14 weeks, using a free, open-source software platform called "**Sugar**," which contains software applications that allow kids to explore math, language arts, science, social science and computer programming. For an hour after school each week, NDSU students and elementary school students used the program for activities that included: studying geometry with a software program called Turtle Art; building a Rube Goldberg machine with a program called Physics; and learning about computer programming using a program called Etoys. The NDSU group's program is funded by a Community Project grant from the Office of the President at NDSU.

The program culminated with Sugar Day in March, where a dozen students at Madison School in Fargo became teachers themselves, showing other students what they've learned from the program. With Sugar Day, the young techies passed on their knowledge to 25 fourth graders to inspire another group of students for future careers. They taught their peers how to use the computer software's physics tools, pass a fulcrum challenge by balancing objects on a beam, build a conveyor belt or pulley, and put all the pieces together into a Goldberg Machine. Students also received "Sugar on a stick," which is a computer flash drive loaded with 20 activities, including music software, a typing tutor and puzzle games.

"They are learning how to learn. We essentially present them with a challenge or problem, and they have to solve it. We might be laying the foundation for a career in a technical field such as computer programming, management information systems or technical support," said Brooks, "but we also want to make sure they have fun learning and solving problems."

Not only are the elementary school students learning from this unique program, so are the NDSU students. The program provides

NDSU students with research opportunities in teaching, technical communication and computer science. The project team includes graduate students pursuing their master's degrees in English: Chris Lindgren, originally from Halstad, Minn., who serves as project manager; Jade Sandbulte from Edgerton, Minn.; Emily Bartz of South Africa; David Lemke, from Morris, Minn.; Matt Warner from Fargo and Davin Loegering, a senior from Erie, N.D., studying computer science.

"We learned mainly how hard, yet rewarding, a literacy initiative like this one is for the community and students," said Lindgren. "If we can also share our research findings, as we serve the community, I think we can tease apart how important it is to help the younger generations to become smarter users of computer technology."

"We have seen kids persist through difficult challenges," said Brooks. "They will shout out, 'This is too hard,' when trying to make a shape in Turtle Art, but then they will pair up and solve the problem." The group also has seen a glimpse of the social dynamics that can plague technical fields. "Teachers and parents need to understand the social dynamics that lead to over and under-representations in certain career fields start as early as fourth and fifth grades."

Brooks hopes the Sugar event at Madison School will interest more fourth graders to participate in the Tech Team next year. The NDSU team, **Sugar Labs @ NDSU**, will be going to Jefferson Elementary for a four-week project in April and hope to host similar events that will be open to the public.

"**Sugar**" is an extension of the One Laptop per Child program that provides underprivileged children from across the world with affordable laptops and free educational software (<http://sugarlabs.org>).

MADD, Parents LEAD offer training to fight underage drinking

Mothers Against Drunk Driving and North Dakota's Parents LEAD program have joined forces to host Power of Parents facilitator training, scheduled for Wednesday, April 25, from 9:30 a.m. to 4:30 p.m. at the Bismarck Civic Center. The training will provide educators, Extension agents, school counselors, prevention specialists and others in North Dakota with valuable information on preventing underage drinking.

"Power of Parents is an excellent community-based program that will give parents the needed skills to start the conversation about underage drinking," said Sharon Query, 4-H youth development specialist with the NDSU Extension Service's Center for 4-H Youth Development. She also is a leader in the Parents LEAD (Listen, Educate, Ask, Discuss) program, which is a collaborative effort of the NDSU Extension Service, North Dakota Department of Transportation, North Dakota University System and North Dakota Department of Human Services.

The training is free of charge. To register, visit www.eventbrite.com/event/2730110835. Travel stipends for up to \$250 will be awarded to the first 40 registrants upon request. To request a travel stipend, email Query at sharon.query@ndsu.edu. The stipends are available through a grant from North Dakota Governor's Prevention Advisory Council on Drugs and Alcohol to the Parents LEAD program. For more information about the training, contact Query at sharon.query@ndsu.edu or Sandy Wilson at swilson@nd.gov.

NDSU developing statewide social indicators website

NDSU and Wilder Research of St. Paul, Minn., are teaming up to develop North Dakota Compass, a website that will provide users with reliable, objective and uniform social indicators useful in identifying issues that affect North Dakota.

“A basic vision of North Dakota Compass is to promote civic engagement,” said Richard Rathge, who is heading the project for NDSU and is a professor in the Departments of Agribusiness and Applied Economics and Sociology and Anthropology. “Thus, residents are encouraged to become an active part of this exciting new venture.”

Rathge urged interested persons to visit <http://ndcompass.blogspot.com> and volunteer to serve on a committee or nominate someone to serve. He asked people to participate in the online polls to indicate which issues should be priorities and offer opinions about the new website.

When the North Dakota Compass website is fully operational, data across a spectrum of issues, such as the economy, aging, youth, health and housing, will be available. In addition, the website will serve as a repository for localized data and research.

The North Dakota Compass project is modeled after a similar project in Minnesota that was developed by Wilder Research.

The rollout of North Dakota Compass will occur in three phases. Through March, committees were created to guide the development of the website. By the end of April, committee members will have identified social indicators that will be used in the site. Soon after, the site will go live with theme areas being added in a staged process as they are finalized. Efforts then will be dedicated to working with communities to incorporate locally relevant information.

Initial funding for the project came through grants from the Bush Foundation, Otto Bremer Foundation and Dakota Medical Foundation.

“North Dakota communities are facing several challenges and opportunities created by an aging citizenry, out-migration of young people, the oil boom and other similar issues,” said Elli Haerter, North and South Dakota manager of activities for the Bush Foundation. “As North Dakotans contemplate how to ensure their future vitality, they recognize the importance of access to accurate and meaningful data. As a result of the NDSU and Wilder partnership, citizens will be able to confidently craft bold and sustainable solutions to their tough problems.”

Meat Lab offers retail sales

NDSU Meats Lab, located in 103 Shepperd Arena, offers retail sales every Friday from 10 a.m. to 5:30 p.m. during the spring semester, with the exception of Friday, April 6.

Faculty and staff can purchase a variety of beef, pork, lamb and sausage products. For a list of sales, products and prices, visit www.ag.ndsu.edu/ansc/facilities/shepperd-arena. Email orders to ndsu.meats@ndsu.edu.

Student helps produce Academy of Country Music Awards show



Andrew Young, left, interviews Montgomery Gentry on the set of “The Price is Right.”

An NDSU communication student is getting some big-time experience while interning for the Academy of Country Music in Los Angeles. Andrew Young, a fourth-year student from Napoleon, N.D., has spent the past three months in Hollywood helping produce the “47th Annual Academy of Country Music Awards Show.”

Young, son of Than and Charlotte from Napoleon, N.D., started the internship on Jan. 17 as a member of the academy’s small creative media productions department. From the start, his role has involved major responsibilities.

A few of those have included conducting interviews with Taylor Swift, Montgomery Gentry and Craig Morgan; helping produce a segment with Lionel Richie; writing two spreads for the academy’s quarterly magazine and producing a video graphics package for during the awards show.

Young says celebrities don’t make him nervous, but the responsibilities he has been entrusted do. “Sometimes I have this feeling, like I’m just this kid from North Dakota. I’m still an NDSU student ... it makes me nervous but it’s exciting too, to know that I’m able to operate. It’s very empowering and rewarding that they’re giving me these responsibilities because they trust me.”

Young largely attributes his ability to perform at a high level to his experiences at NDSU, both in the classroom and while working for the Bison Information Network.

“My experience at NDSU, especially as general manager at BIN, really enabled me to step into my role here,” Young said. “Every class in the communication field focused on experiential learning. It gives me an edge in this industry having that experience. Every class offers hands-on learning – how to edit, how to shoot ... you’re not learning the idea of writing, you’re literally writing stories.”

Those skills will shine the evening of the awards show in Las Vegas too, as Young will be in the pressroom with the winners during the show and will be conducting red carpet interviews beforehand.

Young plans to return to Fargo at the beginning of May. After he graduates from NDSU in December, he hopes to find a position in a creative media department in Fargo.

Last summer, Young interned for ABC in New York. He was a news gatherer on Diane Sawyer’s news desk.

The “47th Annual Academy of Country Music Awards Show” is set to air on CBS Sunday, April 1, at 7 p.m. CST.

1957 Fargo tornado remembered in picture collection



The Campus Gates, erected in 1912 through the efforts of the Class of 1912, were damaged by the tornado of June 20, 1957.

The NDSU University Archives has posted online a collection of 24 photographs recalling the devastating tornado that struck Fargo in 1957. The black and white photos show the destruction on the NDSU campus in the wake of the twister. The collection can be viewed at www.flickr.com/photos/ndsu-university-archives/collections/72157629673977587.

The Flickr webpage is meant to coincide with poet Jamie Parsley's new book, "Fargo 1957: An Elegy," which was published by the Institute for Regional Studies. Parsley will make a presentation about his book on Tuesday, April 10, at 2 p.m. in the Main Library classroom.

"In our continuing effort to bring NDAC/NDSU history to the public, in conjunction with the upcoming talk by Mr. Parsley, the NDSU Archives is pleased to present some of the photographs of the devastation that the tornado wrought on the NDAC campus during the early evening of June 20, 1957," said Michael J. Robinson, director of the Institute for Regional Studies Archives and University Archives.

The category F5 tornado left a path of ruin through Fargo's north side after touching down in the Golden Ridge addition. A total of 10 people were killed, including six children from one family. More than 1,000 homes were damaged, and damage was estimated at about \$11 million.

The posted photographs show damage across campus, including the university's front gates, College YMCA building, Festival Hall, Silver City faculty housing and Nelson Health Center.

Counseling Center to offer 'Managing Your Mood Workshop'

The NDSU Counseling Center has scheduled a six-week workshop to help students manage emotions and cope with stress. "Managing Your Mood Workshop" will be offered Wednesdays from 2:30 p.m. to 4 p.m. from March 28 through May 2 at the NDSU Counseling Center in Ceres Hall room 212.

The workshop is free and open to any NDSU student. However, registration is required. For more information, contact Jaryn Allen at 1-7671 or jaryn.allen@ndsu.edu.

Animal sciences department recognized at Midwest meetings

Several students, faculty and staff from NDSU's Department of Animal Sciences were recognized at the Midwest meetings of the American Society of Animal Science/Dairy Science in Des Moines, Iowa, in March.

The NDSU Academic Quadrathlon Team, consisting of Nicole Chapel, Kelsey Phelps, Kara Scherbenske and Jordan Hieber, placed first in the meats section of the lab practicum.

Ellen Nere, Phelps and Mattia Lein competed in the undergraduate oral paper competition. Nere placed first with her paper, "Effects of maternal nutrient restriction and melatonin supplementation on fetal cardiomyocyte maturation and enlargement." Co-authors were Caleb Lemley, Allison Meyer and Kim Vonnahme.

Sharnae Klein competed in the master's oral presentation competition.

Phil Steichen placed third in the master's poster presentation competition with his poster, "Effects of injectable vitamin and selenium on serum vitamin and selenium concentrations and growth performance in beef calves." Co-authors were Bryan Neville, Klein, R. Stuart and Carl Dahlen.

Jim Magolski placed second in the doctoral poster presentation competition with his poster, "Sow productivity can influence growth rate, efficiency and performance of offspring." Co-authors were Vonnahme, David Newman and Eric Berg.

Facilitators needed for North Dakota State Science Olympiad

NDSU is scheduled to host this year's North Dakota State Science Olympiad on Saturday, April 21. Many volunteers are needed in order to make the event a fun and exciting experience for the expected 800 middle school and high school students, teachers and spectators.

If you are interested in volunteering as an event facilitator, you are encouraged to attend a meeting on Wednesday, April 4, at 10 a.m. in the Memorial Union Century Theater. Participants will learn about the duties and perks of a facilitator, descriptions for various events and the event schedule.

Event facilitators generally complete advance preparation for the event and facilitate or judge the event on the day of competition. You do not need to have previous experience as a facilitator or be an expert in a scientific field. There are many events from multiple disciplines to choose from.

For a complete list of events and a short description for each volunteer opportunity, visit www.ndsu.edu/olympiad/2012_events.php. If you previously have been a facilitator, you can sign up to volunteer for an event without attending the meeting.

For more information about North Dakota Science Olympiad, visit www.ndsu.edu/olympiad.

For questions about the event, contact Otto Borchert at otto.borchert@ndsu.edu or Guy Hokanson at 1-5987 or guy.hokanson@ndsu.edu.

NDSU Libraries to swap fines for food donations

In celebration of National Library Week April 8-13, NDSU Libraries will waive \$1 in fines for each food item donated. There is no limit to how many items can be donated. However, non-returned billed items or lost items are not eligible.

Individuals without fines also are encouraged to participate. All donations will be delivered to the Great Plains Food Bank at the end of the collection week.

Food donations can be brought to the circulation desk at the Main Library, Health Sciences Library in Sudro Hall room 135, Barry Hall Library in room 22 or Architecture/Landscape Architecture Library in Klai Hall room 310.

The Great Plains Food Bank recommends the following:

- Food items must be non-perishable, sealed and unexpired.
- Most needed items: soup, stew, chili, peanut butter, canned meat products, cereal, pancake mix, tomato-based products, boxed meals, canned fruit and vegetables, pasta, rice and instant potatoes. Also, tissue boxes, toilet paper and bar soap.
- No baby food or pet food will be accepted.

For more information, call 1-8888.

Upper Great Plains Transportation Institute offers scholarships

The Upper Great Plains Transportation Institute at NDSU is offering five scholarships for current NDSU juniors and seniors to be awarded for the 2012-13 academic year. To be considered, students should apply by May 1. The application is online at www.ndsu.edu/transportation/scholarship.

- The Charles E. Herman Scholarship recognizes academic achievement and promotes the education of transportation students with a preference to women and minorities at NDSU. Funding for one \$2,000 scholarship is provided by the Charles E. Herman Scholarship Endowment Fund, NDSU Development Foundation.
- The Paul E.R. Abrahamson Transportation Scholarship recognizes outstanding students at NDSU with an interest in the transportation and logistics of agricultural products. Funding for two \$1,500 scholarships is provided by the Mountain Plains Consortium through the University Transportation Centers Program of the U.S. Department of Transportation.
- The Transportation Engineering Scholarship recognizes academic achievement and promotes the education of transportation students at NDSU. Funding for two \$1,500 scholarships is provided by the Mountain Plains Consortium through the University Transportation Centers Program of the U.S. Department of Transportation.

Students elected to National Horsemen's Association



Members of NDSU's Collegiate Horsemen's Association at the American Collegiate Horsemen's Association convention in Gainesville, Fla. Pictured are (from left to right): adviser Carrie Hammer; association members Brianne Zaeske, Codie Miller and Brandi Houghton.

Two NDSU Collegiate Horsemen's Association members were elected officers of the American Collegiate Horsemen's Association.

Codie Miller, a junior from Prior Lake, Minn., was named vice president. Brandi Houghton, a junior from Fargo, is the association's treasurer.

They were elected during the association's national convention in Gainesville, Fla., Feb. 29-March 3. Brianne Zaeske, a senior from Fargo, and NDSU Collegiate Horsemen's Association adviser Carrie Hammer also attended the convention. Miller, Houghton and Zaeske were among about 60 students from 11 universities throughout the U.S. at the convention.

Highlights of the trip included tours of Gold Mark Farm, the HITS Horse Shows in the Sun circuit, Ocala Breeders Sales, Florida Thoroughbred Owners Association and The Sanctuary, an equine sports therapy and rehabilitation center.

The students also attended leadership seminars with industry speakers including Summer Best, executive director of the Florida Horse Park; Frank Barnett, a Florida horse trainer; and Bryan and Brandon Rice, Thoroughbred trainers and sales agents.

"The national convention provided the students with an incredible experience," Hammer said. "Not only did they gain exposure to aspects of the horse industry not found in North Dakota, but they also had the chance to meet students with similar interests from around the U.S."

2012-13 Staff Senate scholarships available

NDSU Staff Senate is offering scholarships to eligible NDSU broadbanded staff, children of broadbanded staff and undergraduate students who have not earned a bachelor's degree. The application deadline for the scholarships is Friday, April 6. Recipients will be announced prior to the 2012 fall semester.

For more information, visit the Office of Student Financial Services, Ceres 202, www.ndsu.edu/staff_senate or contact Matt Chaussee at 1-8986 or matthew.chaussee@ndsu.edu.

NDSU Western Equestrian Team advances to semifinals



Codie Miller, a member of NDSU's Western equestrian team, rides in regional competition.

Members of NDSU's Western equestrian team advanced to semifinal competition in Harrington, Del., March 24-25.

In addition, one rider, Shannon Voges, a senior from Courtland, Minn., earned a trip to the national competition in North Carolina in May.

NDSU sent six individuals to compete in the semifinals, along with a team to compete for overall team awards.

The individual riders and the events they competed in are:

- Voges – reining and open horsemanship
- Ashley Lindell, junior, Solway, Minn. – open horsemanship
- Hannah Beyer, junior, Rapid City, S.D., and Jenna Benjaminson, senior, Walhalla, N.D. – advanced horsemanship
- Janna Rice, freshman, Maddock, N.D. – novice horsemanship
- Leslie Miller, freshman, Fergus Falls, Minn. – beginner horsemanship

Members representing the team and the events they competed in at the semifinals are:

- Lindell – reining and open horsemanship
- Laura Schlosser, junior, Edgeley, N.D. – advanced horsemanship
- Emily Kedrowski, sophomore, Apple Valley, Minn. – novice horsemanship
- Chelsey Schafer, freshman, New Rockford, N.D. – intermediate horsemanship
- Cami Slaubaugh, freshman, Wolford, N.D. – beginner horsemanship

Three semifinal competitions are held throughout the U.S. The top three overall teams and top four individuals in each division will compete at nationals.

The riders advanced to semifinals after competing in the Intercollegiate Horse Show Association's regional horse show, which NDSU hosted March 4. The top two individuals in each division moved on to the semifinals.

The team finished regular-season competition March 3 with the highest points in the region. The team was named the overall regional high point team, which earned it a trip to the semifinals. This is the first time NDSU has won the title. NDSU's team is one of eight teams competing in the Delaware semifinals.

Voges was named overall regional high point rider, earning her the trip to the national competition in North Carolina.

Individual placings in the regional competition were:

- Voges – champion, reining; reserve champion, open horsemanship
- Lindell – champion, open horsemanship
- Beyer – champion, advanced horsemanship
- Benjaminson – reserve champion, advanced horsemanship
- Rice – champion, novice horsemanship
- Miller – reserve champion, beginner horsemanship

Nine team members earned the opportunity to compete in the regional competition. They were Voges; Lindell; Benjaminson; Beyer; Rice; Schlosser; Leslie Miller; Codie Miller, junior, Prior Lake, Minn.; and Megan Hansen, sophomore, Doran, Minn.

"We have had an amazing season," said Tara Swanson, the team's coach. "NDSU accomplished the highest honors that can be won in the region, high point regional team, as well as having the high point rider in the region. As a coach, I am ecstatic and so proud of all the hard work the team has put in this year. We are taking 10 strong team members to semifinals, and I am confident we will be very competitive at the next level."

NDSU riders excel at regional competition

Two members of NDSU's hunt seat equestrian team received honors at the Intercollegiate Horse Show Association's Zone 7 Region 3 horse show.

Kaylin Scarberry, a sophomore from Fargo, finished third in the novice over fences class.

Sarah Bridge, a sophomore from Plymouth, Minn., earned the title of reserve regional champion in the novice over fences and flat events. Bridge also will advance to the Intercollegiate Horse Show Association's Zone 7 competition April 1 at Black Dog Farms in Marion, Ind.

"Both of these young women worked hard to earn a place at regionals this year," says team coach Erika Berg. "The competition was very tough and they put forth an impressive effort."

The regional competition, hosted by the University of Minnesota-Twin Cities, was held at Stonegate Farms in Stillwater, Minn., on Feb. 25. Teams from nine colleges and universities in North Dakota, Minnesota and Wisconsin competed.

DIVERSITY

NDSU students perform as head dancers at annual powwow



NDSU students Kelsey Peltier and Thomas Bluestone serve as the head dancers at the 23rd annual Woodlands and High Plains Traditional Powwow.

NDSU students Thomas Bluestone and Kelsey Peltier have been dancing at powwows since they were old enough to walk.

Bluestone, member of Three Affiliated Tribes, and Peltier, member of the Turtle Mountain Tribe, were head dancers for the first time at the 23rd annual Woodlands and High Plains Traditional Powwow on March 24 at NDSU.

Bluestone, a junior majoring in criminal justice from New Town, N.D., and Peltier, a sophomore majoring psychology from Dunseith, N.D., describe a powwow as a celebration and an opportunity to learn about Native American culture and history.

As head dancers, Bluestone led the men, and Peltier led the women in the grand entry and in the dances. There were three dance categories for men, and three parallel categories for women. Each dance told a story.

Bluestone, a traditional and grass dancer, said the stories vary from tribe to tribe. The men's traditional dance tells stories of hunts or battles. His grass dance is about men flattening grass for camp while away from their village. The grass dance also can be a healing dance.

Peltier participates in the fancy shawl or butterfly dance. Her regalia has symmetrical beadwork resembling the wings of a butterfly and eagle feathers on the sleeves. When she dances, her arms are outstretched like she is flying.

Sponsored by NDSU, Minnesota State Community and Technical College, Concordia College and Minnesota State University Moorhead, the powwow is held on a different campus each year. Bluestone, president of the Native American Student Association, encouraged NDSU students to take advantage of this year's location. "This may be the only time during your academic career that the powwow will be held on your home campus," he said.

The master of ceremonies was Mickey Hodges, member of the White Earth Tribe in Minnesota, and the arena director was Chris Peltier, member of the Turtle Mountain Tribe in North Dakota. The spiritual adviser was Clifford Canku, a member of the Sisseton-Wahpeton Sioux Tribe and assistant professor of practice for Dakota Studies at NDSU. The host drum was the Buffalo River Drum Group from Fargo and the honor guard was from the White Earth Tribe in Minnesota.

Nominations sought for the Tapestry of Diverse Talents

Nominations are being requested for the Tapestry of Diverse Talents. The Memorial Union program is a pictorial mosaic that recognizes students, faculty, staff and alumni for the diversity and contributions they bring to NDSU. Each semester individuals are inducted into the tapestry. Inductees reflect the ages, classes, abilities, ethnicities, genders, races, regional differences, sexual orientations, beliefs and values of the university community.

For information about the program or for a nomination form, visit www.ndsu.edu/mu/programs/civic_engagement/tapestry_of_diverse_talents.

All nomination materials must be received by 5 p.m., Friday, April 13, in the Student Activities Office, Memorial Union. The Tapestry Selection Committee reserves the right to request more information.

For more information, contact Stephanie Gramlow at stephanie.gramlow@ndsu.edu.

RESEARCH

Dahlen to receive SARE funding



Dahlen

Carl Dahlen, assistant professor of animal science and beef cattle specialist, has been notified his proposal, "Evaluating the Sustainability of Beef Cattle Breeding Systems," has been selected for funding by North Central Sustainable Agriculture Research and Education. The funding totals nearly \$200,000.

As part of the funded project, on-farm research projects will be developed at 10 commercial beef operations throughout North Dakota. The purpose of the project will be to evaluate the production, performance and profit responses of breeding systems that incorporate artificial insemination compared with those that rely only on natural service bull breeding.

Personnel for the NDSU Extension Service, NDSU Departments of Agribusiness and Applied Economics and Sociology and Anthropology, the North Dakota Beef Cattle Improvement Association/Dickinson Research Extension Center and North Dakota Farm Business Management Group are collaborating to make the effort possible.

According to its website, the North Central Region includes the states of North Dakota, South Dakota, Minnesota, Illinois, Indiana, Iowa, Kansas, Michigan, Missouri, Nebraska, Ohio and Wisconsin. The national grant and education program aims to advance sustainable innovation in American agriculture.

Of the 177 pre-proposals submitted, 23 were requested to develop full proposals. A total of 21 proposals were submitted for review, and nine proposals were selected for funding.

Dahlen's research interests include applied reproductive physiology, cow-calf and feedlot nutrition and beef cattle management. Dahlen earned his bachelor's degree in animal and plant systems, master's degree in ruminant nutrition and reproductive physiology and doctorate in production systems from the University of Minnesota.

NDSU researcher studies the sun using supercomputing power



Bauer-Reich

Researcher Cherish Bauer-Reich wants to look inside the sun. More accurately, she wants to simulate the sun to study plasma flows associated with sunspot cycles. The cycles play a role in solar storms, which can affect satellites and disrupt a host of modern communication technologies, from cell phones to power grids.

Scientists recently warned about a series of solar storms in early March, concerned that they could affect global positioning systems, power grids, satellites and airplane travel. With the sun's normal 11-year cycle, these very active solar storms are expected to continue.

Bauer-Reich, a research engineer at NDSU's Center for Nanoscale Science and Engineering, is pursuing her doctorate in geophysics. She's using supercomputing power to create a model of the sun. "I need something that has a lot of computing power. Basically, when you're running these, you break the sun down into a big grid. And you have to compute all these variables at each node of the grid. When you're dealing with tens of thousands of grid points, you need a lot of computing."

The Center for Computationally Assisted Science and Technology at NDSU provides the power for Bauer-Reich's research. She looked at computing centers in Minnesota and Arizona to do the work, but found that the center in Fargo provided an easily accessible route to the supercomputing needed.

"I wasn't surprised that the university has a facility like this. I was actually more surprised at how easy it was to get in and work with them," Bauer-Reich said. "When I've talked with people who work with supercomputing, and I know some who are starting to go to places like China, because it's hard to get into a lot of the supercomputing facilities in the U.S., either there's no time available, or it's really expensive."

NDSU's supercomputing center is available to students, faculty and staff researchers, and researchers and industry partnering with NDSU. With secure facilities in NDSU's Research and Technology Park, the center provides 13 trillion Floating Point Operations Per Second of peak theoretical computational performance to excel in today's competitive research arena.

"I could not do anything on my dissertation without having access to a computing center like this," Bauer-Reich said. "It would be a showstopper if I didn't have it because the emphasis is on the computational model."

While people have heard of sunspots, most aren't aware of what actually causes them. "It's a big tube of magnetic flux, basically," Bauer-Reich said. "These things pop out of the top of the convection zone and then they pop back in. And where they pop back out and pop back in, they reduce the amount of heat and the amount of light coming out of the sun, which is why they look dark. It's because they're at different temperatures than the rest of the area around them."

Sunspots tend to work in cycles, starting at high latitudes and then migrating toward the equator. "Heliologists study vibrations in the sun and they image what's underneath the outer layer. What they've found is that when these sunspots are popping up, there's also a flow right next to them, so that the plasma is flowing at a different speed than on either side of them. What I'm trying to study is how strong that flow has to be," Bauer-Reich said. "These things can only be studied using computers because we can't really look inside the sun or go take measurements of the sun. So the only way to do it is to come up with these models that try to predict behavior."

Bauer-Reich expects running all the computer models at the Center for Computationally Assisted Science and Technology will take approximately a year, followed by the analysis of the data.

A native of Minot, N.D., who grew up in Bismarck and Fargo, Bauer-Reich earned both her undergraduate degree in physics and her master's degree in electrical engineering from NDSU. The availability of the supercomputing facilities at NDSU means she can be with her husband and children while completing her dissertation, rather than traveling much of the time. "It's nice that I was able to come back here and do research and have access to this computing."

More than 180 researchers engage in more than 50 projects using the Center for Computationally Assisted Science and Technology facilities at NDSU, according to Martin Ossowski, the center's director. Projects include: renewable energy, multiprocessor electronic circuitry, modeling of atmospheric plasma, ways to monitor the health of bridges and vehicles, computational biology, tissue engineering, human bone modeling and agroinformatics.

Ossowski says today's supercomputing environment emphasizes not just speed, but the ability to help researchers tailor software to conduct their research, as well as meeting researchers' data lifecycle needs. The center at NDSU also serves as an on-ramp for researchers to access even larger computational highways. For example, the center helps researchers access national resources such as National Science Foundation Extreme Science and Engineering Discovery Environment and U.S. Department of Energy Innovative and Novel Computational Impact on Theory and Experiment, and cross-agency Open Science Grid.

"We assist researchers who are pursuing discovery in energy, materials, environment, genomics, health and in other areas of national research priority," Ossowski said. "We have faculty on campus who are also accessing national supercomputing centers in their research." Transmitting data across national networks or using cloud high performance computing can be costly or in some cases even impractical, so substantial high performance computing resources are available at NDSU as well.

Philip Boudjouk, NDSU's vice president for research, says computer modeling represents the wave of the present and the future in science. "Such modeling can save money before even conducting lab experiments. All the data then has to be analyzed. Computers and data storage facilities can help make the data permanently useful to scientists for future research."

PEOPLE

Heritage collection director works on documentary in South America



Bob Dambach and Michael Miller stand by a wrought-iron cross at the Volga German cemetery in San Jose, Argentina, on Feb. 19.

Michael Miller, director and bibliographer at the NDSU Libraries' Germans from Russia Heritage Collection, and Bob Dambach, director of television at Prairie Public Broadcasting, traveled in February to Argentina and Brazil to work on a new documentary telling the story of the Germans from Russia in South America. Many German Russians immigrated to Argentina and Brazil at the end of the 20th century at the same time when families were immigrating to the Dakotas, U.S. and Canada. In Argentina, there are

more than 1 million Volga Germans.

Miller and Dambach visited people with Black Sea, Bessarabian, Volhynian, Mennonite and Volga German ancestry as potential interviewees. They visited many locations in the state of Entre Rios and south of Buenos Aires, Argentina. In south Brazil, they visited Curitiba, the Mennonite German village at Witmarsum, as well as the states of Santa Catarina and Rio Grand do Sul, which have many German settlements. "The days in Argentina and Brazil were truly amazing and unforgettable," Miller said. "I was impressed how I could speak in the German language with many people. There are wonderful comparisons of the German-Russian foods and recipes including Kuchen. The cemeteries featured the beautiful wrought-iron crosses similar to what we see in central North Dakota."

The experience also made a significant impression on Dambach. "The things that impressed me most were the people and the landscapes. The people we met in Brazil and Argentina were tremendously friendly, helpful and sincerely interested in their Germans from Russia heritage. The mingling of three or four languages seemed to be no hindrance to communication," he said.

The new documentary of Prairie Public's award-winning Germans from Russia Documentary Series is projected for completion in 2014. Prairie Public videographers, Dambach and Miller plan to return to Argentina and Brazil in 2013 for filming and interviews. For further information, go to <http://library.ndsu.edu/grhc/outreach/documentaries/sadocumentary.html> and www.prairiepublic.org.

Assistant professor to star in one-person play



Koenig

Hardy Koenig, artistic director and assistant professor with NDSU Theatre, will star in the one-person play, "Blessed Assurance," adapted for the stage by Steve Willis and based on a novella by Allan Gurganus. His performance is scheduled for Saturday, March 31, at 7:30 p.m. at The Stage at Island Park.

"Blessed Assurance" tells the story of Jerry who, now in his 60s, is having trouble sleeping as he considers his past. Jerry put himself through college by selling funeral insurance to "black people" in North Carolina. He is now "well off" and has feelings of guilt as he tries to purge his feelings of shame by recounting and confessing this time of his life.

The play engages the audience as Jerry tells stories of his past from the present comfort of his beach home. Jerry travels back in time to when he was a young man, and shows the sometime joyful and painful interaction between him and his parents, his boss who enticed him into insurance and the people he served and cheated, feared and grew to love.

It is a story of growth and understanding, redemption and acceptance. Although serious in its focus, there are many laughs as Jerry shares his story.

Koenig will bring the production to The Dakota Stage in Bismarck, N.D., May 19-20 and he previously performed at Valley City State University on March 24.

Tickets for the Fargo production are available online at www.fmct.org or at the door.

Former Bison coach Erhardt dies

Former NDSU head football coach and athletic director Ron Erhardt died March 21 in Boca Raton, Fla. He was 80 years old.

Erhardt was NDSU's head coach from 1966 to 1972 after serving as an assistant coach for three seasons. He led the Bison to six North Central Conference championships and two College Division national titles (1968 and 1969). Erhardt posted a 61-7-1 record at NDSU.

A native of Mandan, N.D., Erhardt then became backfield coach and offensive coordinator for the New England Patriots of the National Football League. He was the Patriots' head coach from 1979 to 1981. Erhardt subsequently was the offensive coordinator for the New York Giants, winning two Super Bowl championships. In addition, he was a coach for the Pittsburgh Steelers and New York Jets.

Erhardt is survived by his wife, Anita, four children and eight grandchildren.

Former staff member dies

Barb Welk Heinrich, 64, a longtime NDSU staff member, died March 18 at her winter home in Apache Junction, Ariz.

Welk Heinrich worked on the NDSU campus for 11 years. She started as an administrative secretary with Trio Programs in 1998 and later became a tutor coordinator there in 2005. She then worked as an administrative secretary in the Department of Animal Sciences in 2007. In 2008, she was an administrative secretary for the dean's office in the College of Pharmacy, Nursing, and Allied Sciences and later became an academic assistant there until November 2009.

She is survived by her husband, Harlan; three children; five grandchildren; and one great granddaughter.

Development Foundation leader announces intention to retire

Jim Miller, long-time executive director of the North Dakota State University Development Foundation and Alumni Association, has announced his intention to retire on June 30, 2013. Miller has held the leadership position since 1982.

"Jim's 30 years of service have enabled the Development Foundation to reach and often surpass unprecedented goals for NDSU," said Ryn Pitts, vice president of the foundation board of trustees. "Jim has demonstrated great dedication to the university, developed a highly performing staff and cultivated strong donor relationships across the country."

Ron Olson, foundation board chair, said, "Jim has been a tremendous asset to us. He will be difficult to replace."

During the next 15 months, Miller intends to continue working with NDSU's alumni and friends in fundraising efforts. He lists as priorities the ongoing \$32 million Competitive Edge Campaign for Bison Athletics, fundraising to support the Commodity Trading Room in Barry Hall and coordination of the affairs of the Bison Caucus for the next legislative session.

"Serving this university has been a very enjoyable and rewarding experience," Miller said. "It has been a pleasure to build all aspects of a fundraising program and then watch them come to fruition. Anything we have accomplished is through the generosity of NDSU alumni and friends across the country."

Miller joined the NDSU Development Foundation in 1982, and has been responsible for the development and implementation of alumni services and NDSU Development Foundation programs. Under his leadership, the foundation's endowment grew from \$1.4 million to more than \$100 million. His resume lists the successful "\$20,000,000 Campaign for North Dakota State University," \$75 million "Momentum Campaign" and \$3 million campaign for the NDSU Greenhouses and Bio Lab as career highlights.

Prior to joining NDSU, Miller was the associate director and director of planned giving at the Kansas State University Foundation, Manhattan. Miller earned his bachelor's degree at Washburn University of Topeka, Kansas, and a master's degree in university administration from Eastern Michigan University, Ypsilanti.

Professor appointed member of national statistics committee



Rathge

Richard Rathge, professor in the Departments of Agribusiness and Applied Economics, and Sociology and Anthropology, was appointed as a member of the Committee on National Statistics. He also was selected to serve on its Steering Committee to explore the benefits and burdens of the American Community Survey, which is the U.S. Census Bureau's new continuous census data collection effort. Rathge joins five other steering committee members who are tasked with identifying researchers, scholars and scientists from across the nation who will help document benefits of the survey to a broad array of non-federal users of American Community Survey data products. The research also will address the burden of the American public of responding to the survey questions.

Rathge's appointment to the committee was based, in part, on his experience as North Dakota's state demographer for more than 30 years, his leadership role in working with the U.S. Census Bureau for more than three decades as a member of the Federal-State Cooperative for Population Estimates, Federal-State Cooperative for Population Projections and State Data Center network, along with his demographic research associated with the Great Plains.

The study was requested by the U.S. Census Bureau as part of a larger review of its mission, vision, goals and objectives of the American Community Survey. Initial findings will be presented in Washington, D.C., in mid-June.

The Committee on National Statistics was established in 1972 at the National Academies to improve the statistical methods and information on which public policy decisions are based. The National Academies, which include the National Academies of Sciences, the National Academies of Engineering, the Institutes of Medicine and the National Research Council, was established by Congress more than a century ago to provide scientific and technological advice to the nation.

NDSU Student Health Service announces new physician



Mallberg

NDSU Student Health Services announced the addition of Dr. Tracie Mallberg to the medical staff. Mallberg most recently was owner and physician at LilyCare Clinic in West Fargo, specializing in women's health issues.

Mallberg is a graduate of the University of North Dakota Medical School, Grand Forks. She was the 2010 Fargo-Moorhead YWCA Woman of the Year in Medicine.

"I look forward to the opportunity to provide education on a one-on-one scale, as well as any public venues that might present themselves," Mallberg said, noting she believes prevention and education are the cornerstones of providing quality healthcare.

Taylor to serve as 'Walk for Vision 2012' honorary chair



Taylor

Gene Taylor, NDSU athletic director, is the honorary chair for the 2012 North Dakota Association of the Blind's "Walk for Vision."

The walk is scheduled for Saturday, April 28, at the Bison Sports Arena. Registration will begin at the south entrance of the building at 9 a.m., with the walk starting at 9:30 a.m. The Bison Sports Arena is located west of North University

Drive between 16th and 17th Avenues North.

Having celebrated its 75-year diamond jubilee anniversary last year, North Dakota Association of the Blind has a long history of community service in the state. The association is a nonprofit membership organization that offers service programs to help people and families affected by blindness. Proceeds from the walk are the primary funding source for service programs the association offers to people who have visual impairments.

Area Lions clubs, service clubs, eye care providers, business and corporate entities are sponsors of the "Walk for Vision." The East Cass Chapter of Thrivent Financial for Lutherans has committed supplemental funds and is a prime sponsor for this year's walk.

Approximately 2 to 3 percent of the residents of North Dakota, or more than 13,000 state citizens, are blind or have a visual impairment that cannot be corrected. Even though people are blind or have limited eyesight, the North Dakota Association of the Blind proclaims "life will go on after the Big E." That statement implies that even though one's eyesight may have diminished to the point where they are unable to see the big E on the eye chart, there is much that can be accomplished if there is motivation to take on the challenges that blindness has imposed on a person's life.

For further details or to participate in the "Walk for Vision," call co-chairs Allan Peterson at 429-7209 or Missy Miller at 298-8091.

Assistant soccer coach named

NDSU head soccer coach Mark Cook announced the addition of Chris Logan to the staff as an assistant coach.

"Chris brings a proven track record of developing student athletes," said Cook. "His knowledge of the game and ability to train goalkeepers is outstanding. He is a great addition to a coaching staff dedicated to continuing the success of the NDSU soccer program."

Logan's duties will include scouting, recruiting, organizing fundraising and camps and coordinating game and practice schedules.

Logan comes to Fargo after spending a year as the top assistant for the women's team at the University of Pittsburgh. Prior to Pittsburgh, Logan spent four seasons at Slippery Rock University, Pa., where he was the assistant coach for both the men's and women's programs. At Slippery Rock, he helped each team make NCAA Division II second-round appearances.

A native of Stoke-on-Trent, England, he was a National Association Intercollegiate Athletics All-American goalkeeper at Notre Dame College of Ohio from 2002-06, where he helped his team win three conference titles.

Animal sciences graduate student receives travel award

Animal sciences graduate student Leticia Camacho has been selected as an American Society of Animal Science 2012 Wilson G. Pond International Travel Award recipient.

The Wilson Pond Appreciation Club was formed to recognize the contribution of Pond to the field of non-ruminant nutrition and to the American Society of Animal Science. Money from the club is used to support two to four international travel funds for study by students and early career professionals.

EVENTS

Money management course offered

The NDSU Distance and Continuing Education course, "Money Management for College-Aged Adults," is scheduled for Tuesday, April 3, from 6:30 p.m. to 8 p.m. in the SGC Building located at 1919 N. University Drive.

Certified financial planner Todd Olson will present the session. It is intended for individuals interested in fundamental investment concepts and long-term retirement planning strategies.

The session will discuss available investment options, asset allocation strategies, time value of money and advantages of saving now. Olson also will discuss Social Security, individual retirement account options and saving for retirement.

Registration for the session is \$15. Register online at <http://ndsu.me/dce1110mm> or call 1-7015 or 1-800-726-1724. For more information, visit www.ndsu.edu/dce/news/event/5674.

Green and Golden Globe Diversity Awards scheduled

The third annual Green and Golden Globe Diversity Awards Ceremony is scheduled for Monday, April 16, in the Memorial Union Great Plains Ballroom. A social with light refreshments will begin at 3 p.m. The program and awards ceremony will follow at 3:30 p.m.

The NDSU Division of Equity, Diversity and Global Outreach created the ceremony to acknowledge the efforts of students, faculty and staff from across the university who create a welcoming, safe and inclusive environment where all people can learn and work.

For more information, visit www.ndsu.edu/diversity.

April Science Café to explore the biology of bats



Gillam

Erin Gillam, assistant professor of biological sciences, is scheduled to present the April Science Café, titled “Beauty and the Bat; Tales From Life’s Only Flying Mammal,” on Tuesday, April 10, from 7 p.m. to 8:30 p.m. in Stokers Basement, Hotel Donaldson.

The talk will focus on a variety of topics related to the biology of bats, including common myths (bats don’t actually fly into your hair, but vampire bats are real), and information about types of food eaten and habitats used by bat species around the world. She’ll also share little-known tidbits such as certain bats live primarily in spider webs and some male bats produce complex mating songs to attract females.

“When many people think of bats, the first things to come to mind are images of Dracula and other scary creatures of the night. Despite the generally bad reputation of bats, these fascinating animals are an important part of many ecosystems and exhibit a wide variety of interesting behaviors,” Gillam said.

Gillam also will share research being conducted at NDSU on local bat populations in North Dakota, as well as White-Nose Syndrome, an emerging infectious disease that poses the biggest threat to North American bats in recorded history.

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

Science Café, sponsored by NDSU’s College of Science and Mathematics, features a presentation by a scientist and time for discussion with the scientist and other attendees.

Community Lecture to explore history of the human body



Shubin

Neil Shubin, a noted paleontologist and evolutionary biologist, will present “Your Inner Fish: A Journey into the 3.5 Billion-Year History of the Human Body” during the sixth annual College of Science and Mathematics Community Lectureship. The presentation is scheduled for April 17 from 7 p.m. to 8:30 p.m. at the Fargo Theatre and is free and open to the public.

In his research, Shubin seeks to understand why and how new evolutionary mechanisms arise. One of the three investigators credited for discovering the fossil tetrapodomorph fish *Tiktaalik roseae*, Shubin has developed expeditionary research programs in the United States, Canada, Africa, Asia and Greenland. His work has led to insights about origins of vertebrates such as mammals, frogs and crocodiles.

Shubin is a Robert R. Bensley Professor of Organismal Biology and Anatomy and associate dean for Academic Strategy at the University of Chicago.

For more information on the lectureship, contact Keri Drinka at 1-6131 or keri.drinka@ndsu.edu.

Alumni Association Awards Celebration scheduled

The NDSU Alumni Association has scheduled the 2012 Alumni Awards Celebration for Thursday, April 26, at 11:30 a.m. at the Fargodome. The event honors graduates of NDSU who have achieved excellence in their professional careers or given outstanding service to NDSU. The 2012 honorees are:

Alumni Achievement Award

- Barry Batcheller, BS '77, electrical and electronic engineering, Honorary Doctorate 2010
- Gilman E. Rud, BS '66, agricultural economics

Henry L. Bolley Academic Achievement Award

- Marvin J. Miller, BS '71, chemistry

Heritage Award for Alumni Service

- Dale O. Anderson, BS '59, agricultural mechanization, MS '60, agricultural economics

Horizon Award

- Kristina L. Schlecht, BS '97, pharmaceutical sciences, PharmD '99

Complete biographies on each honoree are available at www.ndsualumni.com. While visiting campus, each honoree will speak to students in their respective college.

The university family is welcome to join in the celebration of these outstanding alumni. Tickets are \$30. For more information or to register, call 1-6807.

TRiO Day celebration set for April 18

A TRiO Day awards banquet is scheduled for Wednesday, April 18, in the Memorial Union Great Plains Ballroom. The event will begin with a social hour at 5:30 p.m. McNair Scholars Poster Boards also will be on display at that time. Following dinner, awards will be distributed to recipients representing each of the four TRiO Projects – McNair Scholars, Student Support Services, Upward Bound and Veterans Upward Bound.

TRiO Programs prepare students for successful entry, retention and completion of post-secondary education. The program identifies low-income and first-generation college students who show potential for success and provides them with encouragement, support and assistance. TRiO services are designed to improve academic performance, increase student motivation and facilitate transitions from one level of education to the next. NDSU has hosted TRiO Programs since 1967.

The banquet is open to the public. The meal is \$15 and reservations are needed by April 13. RSVP to kristy.mickelson@ndsu.edu or call 1-6535.

Rosenquist fellow exhibition announced

Lori Lorusso, 2012 James Rosenquist Artist in Residence with NDSU Visual Arts, is scheduled to present a solo exhibition April 17-May 31 at the NDSU Memorial Union Gallery. An opening reception is scheduled for April 19 from 4 p.m. to 6 p.m. Admission to the gallery and reception are free and open to the public.

Lorusso uses representations of generic and stereotypical middle America in her paintings to remind the viewer of the culture one maintains on a daily basis. She explores contradictions that exist in society's system of beliefs by pointing to the complexity of individual situations.

At NDSU, Lorusso will teach a seminar course and her residency will culminate with an exhibition and donation of a piece of artwork to the James Rosenquist Artist Residency Collection. Additional information about Lorusso is available at www.lorilarusso.com.

Lorusso earned a BFA from the University of Cincinnati's College of Design, Architecture, Art and Planning and an MFA from the Maryland Institute College of Art's graduate interdisciplinary program, the Mount Royal School of Art. In 2011, she was awarded a visual artist fellowship from the MacDowell Colony, the Kentucky Art Council's Al Smith Fellowship and was a Milton and Sally Avery Fellow for 2010-11.

The James Rosenquist Artist Residency is funded in part by Bison-Arts, an organization designed to nurture and support the work of the NDSU Division of Fine Arts.

Youth Aerospace Science Program Set

NDSU Extension, along with the North Dakota 4-H Foundation and University of North Dakota School of Aerospace Sciences, is hosting the 2012 4-H Aerospace Event at the University of North Dakota School of Aerospace Sciences in Grand Forks, N.D., on April 29-30 for youths 12 to 15 years of age. They do not have to be 4-H members to participate.

Participants will:

- Learn the basics of aircraft structure, navigation, aerodynamics and air traffic control,
- Discover careers in aerospace science,
- Take the controls in a digital aircraft simulator,
- Attend a radio-controlled plane presentation,
- Tour the University of North Dakota Aerospace facility and
- Build and launch rockets.

The registration deadline is April 9. Registrations will be accepted on a first-come, first-served basis.

For more information or to register, visit the NDSU Center for 4-H Youth Development website at www.ndsu.edu/4h.

Northern Crops Institute to offer Barley Short Course

Northern Crops Institute will offer "Healthy Solutions for Food Barley Uses Short Course" July 10-12 at the institute in Fargo.

The course will provide comprehensive information on barley from nutrition to functionality, market trends of barley food products, how to outsource barley and a tour of a barley processing facility. It is designed for research and development managers, marketing specialists, ingredient suppliers, food scientists, technical directors and food technologists.

Course topics will include: current barley health research and health benefits of B-glucan and dietary fiber in food barley; basic definitions of hulled and hull-less barley; quality characteristics and functionality of barley; how to incorporate barley into food products for both hulled and waxy types of barley; and marketing trends of barley. Participants will gain hands-on experience in barley processing, sensory evaluation, analytical testing, baking and evaluation of baked goods.

Course registration fee is \$750. Payment in full is due one week before the start of the course. The registration deadline is June 19.

The National Barley Foods Council and Northern Crops Institute are co-sponsors of the course. For more information and to register, visit www.northern-crops.com and follow the educational courses link or call 1-7736.

PUBLICATIONS/PRESENTATIONS

Computer science professor invited to give keynote address



Nygaard

Kendall E. Nygard, professor of computer science and operations research, will deliver an invited keynote address at the InfoSys 2012 conference scheduled for March 25-30 in St. Maarten, Netherlands, Antilles. The conference is an annual series of four co-located conferences, including The International Conference on Networking and Services, The International Conference on Autonomic and Autonomous Systems, The International Conference of Resource Intensive Applications and Services, and The International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies. The InfoSys Conference is sponsored by the International Academy, Research and Industry Association.

Nygaard's keynote address is titled "Research Directions in Sensor Networks." Nygard also will present the session paper, "Decision Support Independence in a Smart Grid." The paper was co-written by graduate students Steve Bou Ghosn, Prakash Ranganathan, Md. Minhaz Chowdhury, Ryan McCulloch, Md. M. Khan, Anand Panday and undergraduate student Davin Loegering.

Business faculty receive Best Paper Award



Krush

Two NDSU College of Business faculty members, Michael Krush, assistant professor of marketing, and Sukumarakurup Krishnakumar, assistant professor of management, were awarded the Tanner, Honeycutt and Erffmeyer/Prentice Hall Best Paper Award at the 2012 National Conference in Sales Management March 14-17 in Indianapolis. The award recognizes the top manuscript in terms of quality and relevance.



Krishnakumar

The paper, "The Salesperson's Ability to Bounce Back: Examining the Influence of Salesperson's Resiliency on Job Attitudes, Behaviors, and Performance," was co-written with Raj Agnihotri of William Paterson University and Kevin J. Trainor of Northern Arizona University.

It focuses on the influence of emotional regulation on salespeople's job-related behaviors and performance. One form of emotional regulation lies in the salesperson's level of resiliency. Resiliency is relevant in a sales setting because salespeople are consistently exposed to ever-changing environments and frequently face the potential for failure due to the nature of their jobs. The scholars proposed and tested a model of salesperson resiliency and its direct impact on a salesperson's job-related variables and indirectly on sales performance. The study findings support that resiliency provides a salesperson with a sense of personal buoyancy that supports two pathways – amplifying motivation control and adaptive selling, and reducing stress and anxiety.

The National Conference in Sales Management is an international gathering of scholars, instructors and practitioners designed to develop and distribute knowledge regarding personal selling and sales management teaching and research.

Dean participates in Midwest Sociological Society meetings



Sandstrom

Kent Sandstrom, dean of the College of Arts, Humanities and Social Sciences, will give a presentation at the Midwest Sociological Society meetings in Minneapolis. The meetings are scheduled for March 29 to April 1.

Sandstrom will participate in an "Author Meets Critics" session, which will include five other sociological theorists. They will discuss the book, "Closure: The Rush To End Grief and What It Costs Us," and offer critiques and pose questions to author Nancy Berns, who will be included in the session.

The Midwest Sociological Society is the largest regional association of sociologists in the United States. The society is a nonprofit, professional organization dedicated to building community among sociologists and to advancing sociological knowledge, teaching and practice for social scientific purposes and social betterment. To find out more about the society and a full program about the meetings, visit www.themss.org.

NDSU researchers present at transportation forum



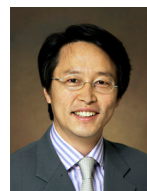
Tolliver

Several NDSU students, researchers and faculty presented research at the annual Transportation Research Forum March 15-17 in Tampa, Fla. The forum is an independent organization of transportation professionals, academics and practitioners. Each spring, it brings together transportation professionals to participate in research presentations, plenary panels and discussions.



Wilson

Upper Great Plains Transportation Institute researchers Pan Lu and Denver Tolliver presented "Modeling Pavement Performance and Preservation." The presentation covered complex decisions highway agencies must make about maintaining, repairing and renewing existing pavements in the most cost-effective ways. The researchers indicated that decision makers need to learn to what degrees different pavement preservation treatments will improve a pavement condition, how pavement conditions will change over time, when to apply which treatment to what section and what budget level will be needed to maintain and improve pavement conditions.



Lee

Sumadhur Shakya, transportation and logistics student; William Wilson, professor of agribusiness and applied economics; and researcher Bruce Dahl presented "Pulsating Market Boundaries and Spatial Arbitrage in the U.S. Gulf." Their study focused on pulsating market boundaries due to spatial arbitrage of corn grown in the United States to Japan and Asia, with special emphasis on Panama-Canal expansion. The presentation discussed the role of the capacity expansion of the Panama Canal and its effect on the corn market boundary in the Midwest regions.

EunSu Lee, a researcher in the Upper Great Plains Transportation Institute, presented "Impetus to Short Sea Shipping Lines through Marine Highways." The presentation explored the feasibility of the combination of inland transportation and marine highways to handle increasing import and export activities through U.S. water transportation networks.

NDSU transportation and logistics student Christopher DeHaan and Tolliver presented "Transporting Water for Hydraulic Fracturing." The study of the oil drilling in North Dakota's Bakken formation analyzed the importance of water transportation for oil development. In the session, the audience had the opportunity to debate environmental and energy issues related to oil.

The forum also included a graduate symposium aimed at helping students understand potential career opportunities with discussions from academic, industry and government officials. The event was coordinated by David Ripplinger, a researcher in NDSU's agribusiness and applied economics department. "It was a great way to learn of the possibilities and expectations of each sector," DeHaan said.

Pharmaceutical sciences faculty to publish cancer research

Erxi Wu, assistant professor of pharmaceutical sciences, and Fengfei Wang, research associate of pharmaceutical sciences, co-wrote the article, "Alterations of TP53 are associated with a poor outcome for patients with hepatocellular carcinoma: evidence from a systematic review and meta-analysis," which will be published by European Journal of Cancer.

According to the authors, the prognostic significance of p53 aberration in hepatocellular carcinoma, or cancer of the liver, remains inconclusive. Their analysis aimed to provide comprehensive evidence on the association of p53 alterations with recurrence-free survival and overall survival in hepatocellular carcinoma patients. They conducted systematic literature searches up to July 2010. Then they performed meta-analysis to estimate prognostic effects of p53 alterations on patient outcomes in hepatocellular carcinoma. Finally they conducted the sensitivity and subgroup analyses in the meta-analysis. They found that tumor p53 alterations were associated significantly with poor patient outcomes in hepatocellular carcinoma.

"Hepatocellular carcinoma patients with p53 mutation and upregulated expression in tumor tissue have a shorter overall survival and recurrence-free survival than patients with wild type p53 and low/undetectable p53 expression. However, the prognostic value of serum anti-p53 antibody is required to be further examined," Wu said.

The paper was co-written with Qingyong Ma lab at Xi'an Jiaotong University, China. "Collaborating with Dr. Ma, we together would like to find better cancer therapeutics and elucidate the mechanisms of the targeted therapy for gastrointestinal cancer such as hepatocellular carcinoma and pancreatic carcinoma," Wu said.

The European Journal of Cancer is an international oncology journal that publishes original research, editorial comments, review articles and news on basic and preclinical research, clinical oncology (medical, pediatric, radiation, surgical), translational oncology, cancer epidemiology and prevention.

Professor publishes article online

William Slanger, professor and director of institutional research and analysis, has published the article, "The Staying Ability of the College Student Inventory," in the March issue of Retention Success online journal. The publication is the online journal of the Noel Levitz Retention Management System/College Student Inventory Community of Educators.

Slanger studied five years of data, including collection details from fall 2002, summer orientation, fall 2003, students enrolled in the mandatory freshmen orientation one-credit course, and followed by students enrolled in selected academic colleges from fall 2004 through 2006. Slanger wrote the College Student Inventory is "an exquisite instrument" that was "equally predictive of cumulative grade point average and academic capacity for each semester." He also concluded the inventory was performed well for predicting retention.

The article is available for viewing by Noel-Levitz clients only at www.noellevitz.com/mynoelevitz/clientcommunities/retention-management-system-plus/log-in.

Slanger earned his bachelor's degree in animal science from Montana State University, Bozeman, and his master's degree and doctorate in animal breeding and genetics from Cornell University, Ithaca, N.Y.

SHORTS AND REMINDERS

Positions available

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

Custodian/#00028178

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

Nutrition Education Assistant, FNP – Sioux County

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

Nutrition Education Assistant, FNP – Fort Berthold, N.D.

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

Teacher Technician/#00018736

Human Development and Family Science
\$24,000+/year
Open until filled

RSVP+ Dakota West Specialist – Dickinson, N.D.

Distance and Continuing Education
\$30,000+/year
April 3

Project Manager/#00028136

Facilities Management
Commensurate with experience
Open until filled

Wildlife and Range Research Technician

Hettinger Research Extension Center
Open until filled
\$30,000+/year

Histology and Bioassay Laboratory Coordinator/#00027420

Animal Science
\$42,000+/year
Open until filled

Grant Writer and Coordinator

Biological Sciences
Competitive and commensurate with experience
March 30

Financial Aid Administrator/#00022926

Student Financial Services
\$36,000+/year
April 9

Educational Services Librarian/#00020636

Library
\$42,000+/year
April 30

Director of Marketing and Promotions/#00019325

Athletics
Commensurate with experience
April 4

CALENDAR

MARCH

30-31 Memorial Union Gallery: "No Lumps, Thank You; a Bra Anthologie," Artist Meg Spielman Peldo exhibits a collection of playful brassieres created from a wide variety of common objects.

30 Plant Pathology Graduate Seminar: "Towards Transient Expression of a Candidate Stem Rust Dominant Susceptibility Gene Utilizing the Barley Stripe Mosaic Virus," Deepika Arora, 1 p.m., Loftsgard room 114

30 Plant Pathology Graduate Seminar: "Histological characterization of wheat and barley pre-haustorial and post-haustorial resistance components to the leaf rust pathogen *Puccinia triticina*," Sheshanka Dugyala, 1 p.m., Loftsgard room 114

30 Softball home opener: NDSU vs. Indiana University-Purdue University Fort Wayne, 2 p.m.

30 Animal Sciences Graduate Seminar: "Livestock production, feedlot industry and the Brazilian feedlot research," Rodrigo Goulart, visiting scientist, 3 p.m. to 4 p.m., Hultz Hall room 104

30 International Week: International Night, 7 p.m., Festival Concert Hall. Tickets are \$5, call 1-7895 for more information.

30 Faculty Recital: Virginia Sublett, soprano, and Andrew Froelich, piano, 7:30 p.m., Beckwith Recital Hall. Free and open to the public.

31 Pancake Breakfast Fundraiser: 8 a.m. to 10 a.m., Applebee's on 19th Avenue North. Hosted by NDSU Relay for Life. Tickets are \$5.

31 Softball: NDSU vs. Indiana University-Purdue University Fort Wayne, noon

31 Trio Elan featuring Douglas Monroe, clarinet: 7:30 p.m., MSUM Fox Recital Hall. Free and open to the public.

APRIL

1 Graduate Conducting Recital: Masashi Kishimoto, 4 p.m., Beckwith Recital Hall. Free and open to the public.

2 Plant Sciences Graduate Seminar: "Influencing Winter Survival of Grapes in Temperate Climates," Justin Mack, 3:30 p.m., Loftsgard Hall room 114

2 Plant Sciences Graduate Seminar: "Reducing Herbicide Application Through Sensor Supported Machinery," Itai Mutukwa, 4 p.m., Loftsgard Hall room 114

2-13 Memorial Union Gallery: "The Clothesline Project: Bearing Witness to Violence against Women," for more information, visit www.ndsu.edu/student_life/sexual_assault.

3 Science, Religion and Lunch Seminar: "A Reflection on War," Merle D. Anderson, noon, Memorial Union Meadow Lark room

3 Open House Retirement Event for Carol Tschakert: 2 p.m. to 4 p.m., Memorial Union Prairie Rose room.

3 Breastfeeding Support Group: 11:30 a.m. to 1 p.m., Equity and Diversity Center. Contact Laura Oster-Aaland at 1-7750, Kara Gravley-Stack at 1-7091 or Betsy Birmingham at 1-6587 for more information.

4 Brown Bag: "Wheeling and Dealing: A look at issues of accessibility at NDSU," noon to 1 p.m., Memorial Union Arikara room

5 Resume/CV Writing Workshop: 1 p.m. to 2 p.m., Memorial Union Prairie room

5 Chemistry and Biochemistry Seminar: "New Concepts in Molecular and Energy Transport Within Carbon Nanotubes: Near Infrared Sensors, Resonant Ion Channels, and Thermopower Waves," Michael Strano, Charles and Hilda Roddey Associate Professor of Chemical Engineering, Massachusetts Institute of Technology, 4 p.m., Ladd room 107

10 Lunch Out: NDSU's Pride Network invites all LGBTQ faculty, staff and graduate students to join them at lunch off campus from 12:30 p.m. to 1:30 p.m. Contact NDSU.PrideNetwork@ndsu.edu for more information.

11 NDSU Graduate Research and Arts Forum: 10 a.m. to 1 p.m., Memorial Union Plains room

11 Brown Bag: "Campus Conservation Nationals Program," 1 p.m. to 2 p.m., Memorial Union Rose room

11 Tri-College History Lecture: "Bernard DeVoto's American West: Frontier, Region, and Crucible of the Nation," Mark Harvey, 7 p.m. to 9 p.m., Minard Hall room 138

12 Panel Presentation: "ACCESS, CapABILITY & DisABILITY," NDSU students with disabilities will present, 12:30 p.m., Memorial Union Rose Room

12 Pharmaceutical Sciences Research Lecture: "Discovery of Nitric Oxide and Cyclic GMP in Cell Signaling and Their Role in Drug Development," Nobel Prize winner and professor at George Washington University Dr. Ferid Murad, 10 a.m. to 11:30 a.m., Memorial Union Century Theater

13 Multicultural Affinity Group Meeting: 11:30 a.m. to 12:30 p.m., Memorial Union Hidatsa room. For more information, contact angela.skaff@ndsu.edu or call 1-7267.

14 RAD, Rape Aggression Defense: Free Self-Defense Class for Women, 2 p.m. to 5 p.m. Space is limited, email sarah.dodd@ndsu.edu for more information or to register. Classes also offered April 21, 28 and 29.

16 Green and Golden Globe Diversity Awards: 3 p.m., meet and greet and light refreshments, 3:30 p.m. program, Memorial Union Great Plains Ballroom

16 Plant Sciences Graduate Seminar: "Mesotrione: Allelopathy Turned Bioherbicide," Andrew Fillmore, 3:30 p.m., Loftsgard Hall room 114

16 Plant Sciences Graduate Seminar: "Soybean Iron Deficiency Chlorosis," Danielle Fiebelkorn, 4 p.m., Loftsgard Hall room 114

18 Brown Bag: "Honors Public Speaking Advocacy Projects," noon to 1 p.m., Memorial Union Arikara room

19 World iView: "A Student Journey Back to Somalia After 20 Years: A Country Crippled by Civil War, Famine, Terrorists and Warlords," Ilhan Omar, NDSU graduate, noon to 1 p.m., Memorial Union Meadow Lark room

CALENDAR

19 **Intellectual Property Seminar:** 3 p.m. to 5 p.m., Skills and Technology Center auditorium. RSVP to emily@ndsuresearch-park.com or 499-3600 by April 17.

22-28 **Spring Blast week**

22 **Guest author/activist Kate Bornstein:** "Gender Outlaw: On Men, Women, and the Rest of Us," 7 p.m., Memorial Union Great Plains Ballroom

23 **Film:** "Pidgin: The Voice of Hawai'i," noon to 1 p.m., Memorial Union Century Theater

23 **Plant Sciences Graduate Seminar:** "Comparison among Miscanthus spp. for Biofuel Production," Andrew Aipperspach, 3:30 p.m., Loftsgard Hall room 114

23 **FORWARD event:** "A Conversation: Should Graduate Students Become Parents?" 10 a.m. to 11 a.m., Memorial Union Arika room

23 **FORWARD Pedagogical Luncheon:** "Do Babies Matter in Academia?" 10 a.m. to 11 a.m., Memorial Union Prairie Rose room. Register at www.ndsu.edu/forward.

24 **The Big Event:** 9 a.m. start. Volunteer forms can be filled out at www.ndsubig-event.com and are due by April 13. For more information, email ndsu.volunteer.network@ndsu.edu.

25 **Brown Bag:** "Honors Public Speaking Advocacy Projects," noon to 1 p.m., Memorial Union Meadow Lark room

25 **LIVE REAL Mentor Training Session:** 4 p.m., Family Life Center Room of Nations

26 **Asian Culture Fair:** 2 p.m. to 4 p.m., Family Life Center Room of Nations

26 **2012 Alumni Awards Celebration:** 11:30 a.m., Fargodome. Tickets are \$30. For more information or to register, call 1-6807.

30 **Plant Sciences Graduate Seminar:** "Leaf Rust Resistance in Small Grains: A Case of Host-Pathogen Interaction," Angela Linares, 3:30 p.m., Loftsgard Hall room 114

30 **Plant Sciences Graduate Seminar:** "Ionizing Radiation and Plant Breeding," Naiyuan Dong, 4 p.m., Loftsgard Hall room 114

MORE CAMPUS EVENTS www.ndsu.edu/eventcalendar

NEXT ISSUE Publication date: Friday, April 13 | Submissions due: April 10 at noon

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