

## Soil scientist to give 43rd Faculty Lecture



Jimmie Richardson, professor of soil science and adjunct professor of geology, has been awarded the 43rd Faculty Lectureship. Richardson will present his talk, "Soil and Water: the Convergence," at 7 p.m. Tuesday, April 3, in the Memorial Union Century Theater. A reception in his honor will be held in the Butte Lounge following the lecture. The lecture and reception are free and open to the public.

### **Richardson**

An internationally recognized soil scientist and geomorphologist, Richardson has devoted more than 22 years to studying wetland soils, water movement in landscapes and the dynamics of salinization. His research led to what has been called "the most significant advance in soil science" in decades.

Richardson and his graduate students developed the notion that water drives the development of soil such that the dominant hydrology of nearly any point on a landscape can be determined by carefully observing and measuring its soil characteristics. Prediction of long-term hydrology previously was an expensive and problematic undertaking, and most "wetland hydrology" considered only surface water. His methods now have been adopted around the world and set the standard in the United States for determining hydric soils and delineating wetlands.

Philip J. Schoeneberger, research soil scientist with the Natural Resources Conservation Service, Lincoln, Neb., supported Richardson's nomination. "He has been a lead player from the beginning in the most significant advance in soil science in the last 25 years: understanding and explicitly demonstrating how hydrology affects soils and how soil morphology can be used to interpret water movement through soils and landscapes," Schoeneberger wrote. "This topic underpins and explains major aspects of soil genesis, soil geography, water quality, contaminant movement, ecological patterns and function and land management issues."

David Hammer, professor and chair of the School of Natural Resources, Department of Soil and Atmospheric Sciences at the University of Missouri-Columbia, wrote, "Jimmie Richardson's work with his students in the prairie pothole landscape of the Dakotas has created a new paradigm in soil science. Dr. Richardson has taken the classic 'factors of soil formation,' and placed them into a process-focused context. It is the focus upon process, at a landscape scale, that will allow our society to begin to resolve issues of sustainable agriculture and environmental health."

Richardson has been the major adviser to 19 master's students and eight doctoral candidates in soil science, and has served on 73 additional graduate committees.

Holly Swanson, one of Richardson's advisees and a senior in soil science from Darwin, Minn., says he is a unique instructor. "He really relates the material to students and almost makes you understand it just by the way he teaches," she said. "He's always really motivated in class, walking around and getting you heavily involved in the material. You almost feel like you're engrossed in it with him because he's so excited and passionate. Soil science is what he really loves, and he vividly displays that in the classroom and his outside work."

Richardson has given dozens of public presentations on wetlands, rotational grazing, range plant development, biodiversity and soil development to groups ranging from the American Institute of Hyrdology to the Minnesota Soils and Water Conservation Districts to grade school students in the Fargo-Moorhead area.

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### **Libraries announce hours for President's Day**

The NDSU Main Library will be open President's Day, Monday, Feb. 19, from 1 p.m.-midnight. Branch libraries (architecture, chemistry and pharmacy) will be open 5-10 p.m. Regular academic hours resume Tuesday, Feb. 20.

For a current listing of hours, consult the Libraries' Web page at [www.lib.ndsu.odak.edu](http://www.lib.ndsu.odak.edu), use the HRS command on the online catalog or call the information tape at 1-9456.

### **Varsity Mart plans scrapbooking event**

The Varsity Mart has scheduled a scrapbooking session from 5-7:30 p.m. Monday, Feb. 26. Punches, templates, scissors and other supplies will be provided. Participants also will receive 30 percent off purchases of scrapbook supplies. The fee is \$3; to reserve a spot, call Patty at 1-8015.

### **Next Issue**

Publication date: Wednesday, Feb. 21  
Submissions due: noon Feb. 15  
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He has been a science adviser to the National Technical Committee for Hydric Soils since 1992. He is also a member of the International Commission for Soil Characterization and Classification, the American Society of Agronomy, the American Society of Ground Water Scientists and Engineers, the Society of Wetland Scientists, the Soil Science Society of America, the Canadian Soil Science Society, the Manitoba Soil Science Society, the National Water Well Association and the North Dakota Professional Soil Classifiers.

Richardson is a contributing author and co-editor of "Wetland Soils — Genesis, Hydrology, Landscapes and Classification," published in September 2000. The book, which focuses on the soil morphology of wet soils that cover most wetlands from the subtropics northward, is the first devoted solely to hydric soils and their landscapes. He has published 86 refereed research articles and 72 other major reports, and has served as associate editor of *Wetlands: Journal of the Society of Wetland Scientists*, and as an anonymous reviewer for several other professional journals.

Richardson received his bachelor's degree in geology at the University of Idaho, his master's in geology at the University of Oklahoma and his doctorate in soil genesis and morphology at Iowa State University. He joined the NDSU faculty in 1978. In 1991 he was named the NDSU College of Agriculture Researcher of the Year and he has been nominated to become a fellow of the Soil Science Society of America.

## Proposals sought for grant-in-aid technology-enhanced learning projects

Applications are being sought for a new grant-in-aid program for technology-enhanced learning. Awards will provide up to \$8,000 in seed money for expenses directly related to the development of grant-in-aid projects leading to the development of a major proposal to an external organization. The awards are intended to support innovative pilot projects that improve pedagogical scholarship and its implementation. NDSU instructional faculty and staff are eligible to apply.

Deanna Sellnow, associate professor of communication and chair of the technology-enhanced learning committee, said, "The vice president for academic affairs' office is supporting efforts by the faculty focused on technology-enhanced learning. This grant-in-aid opportunity reflects that support."

The application should consist of the grant-in-aid application form; an abstract; a budget detail sheet, the project plan and a curriculum vita. Complete guidelines and instructions for applying are available online at [www.ndsu.edu/ndsu/vpaa/info.shtml](http://www.ndsu.edu/ndsu/vpaa/info.shtml).

The application deadline is March 30. Awards will be announced and funding will become available in mid May.

## Bison athletes promote reading through 'Hometown Heroes' program

Bison student athletes, through a project called the "Hometown Heroes" Reading Program, have been promoting literacy among Fargo young people. Each month, 37 student athletes visit 13 Fargo elementary schools in an effort to teach the children about the importance of learning to read.

As a fun incentive for the children, they earned a free ticket to a Bison basketball game if they read 800 minutes in 10 weeks.

The Student-Athlete Council program provided every third grader with a bookmark to be used to document the number of minutes they read. The bookmarks were filled out with the assistance of a parent, guardian or older sibling and then reviewed by classroom teachers. Children who read at least 800 minutes by Feb. 9 earned free admission to the Feb. 16 Bison women's and men's basketball games. The avid readers will be recognized at half-time of the men's game.

"Our student athletes have been really positive about the opportunity to be a part of our reading program in the elementary schools in Fargo," said Lynn Dorn, acting athletic director. "They've really enjoyed it and they realize their value as role models. Our student athletes recognize the importance of a good education, with literacy as one of the major service projects of the Student-Athlete Council."

Jill Theeler, a senior track student athlete majoring in business administration from Mitchell, S.D., said the program benefits everyone involved. "The kids admire athletes and



Tamara Brudy, senior women's track student athlete, participates in the "Hometown Heroes" Reading Program during a recent visit to Fargo's Centennial School.

Bison Athletics is definitely well-known in the community. So, it's really neat that teachers and parents know we are contributing back to the community," said Theeler, who is president of the Student-Athlete Council. "To read to these students, it's great for us to see their reactions and know we're having an impact."

The "Hometown Heroes" Reading Program has been in operation for three months. More than 200 Bison student athletes from all sports are expected to participate in the program which will continue through April.

## Physical Plant, Colliton receive landscaping award

The NDSU Physical Plant and Dennis Colliton, associate professor of landscape architecture, recently received the "Best of Show" award from the North Dakota Nursery and Greenhouse Association for their work on the backyard at President Chapman's house.

Entries were judged on design concepts, final completion, challenges during construction and space functionality. The president's residence project was honored for its cooperation between many Physical Plant trades and outside contractors, handicap accessibility, traffic flow through the private space into a multi-use area and conservation of existing plant material.

The North Dakota Nursery and Greenhouse Association is a professional organization of about 100 nursery and greenhouse businesses throughout the state. Landscape design students at Minot State University-Bottineau judged the entries.

## Ethics institute seeks faculty speakers

NDSU's Northern Plains Ethics Institute is looking for faculty speakers to address community audiences on a variety of ethics issues. John Helgeland, professor of religion/history and institute director, describes the project as "a university on wheels."

The effort comes on the heels of Helgeland's recent successful talks at PRACS Institute, Fargo, on the topics of corporate ethics and the ethics of interpersonal communication. He said MeritCare Medical Center and the Great Plains Division of Microsoft also have expressed interest in sponsoring ongoing lectures on various topics, perhaps as often as once per month. He plans to present the idea to other companies and organizations.

Helgeland sees the lectures as a form of continuing education for company workers, with the idea to raise the cultural level and social capital of the region. "These are people who are interested in learning new things. A lot of these groups have a high percentage of college-educated staff," he said. "These are mature audiences, who bring their notebooks, ask good questions and listen carefully."

Helgeland envisions the lectures to address social, cultural and social issues.

"The topics are as broad as the university itself. There are no limits. We're asking faculty to do a lecture that would be of value or interest to people as they think about their lives," he said, noting lectures of this type fit well into national higher education trends he has been following. "In many ways, the 'university on wheels' is also an example of President Chapman's theme of the engaged university being put in action."

The talks would usually be scheduled over the noon hour. They are expected to be 50 minutes in length, with 10 minutes for questions and answers.

Faculty members interested in presenting lectures may contact Helgeland at 1-7026.

## NDSU researchers receive ag grant

A group of NDSU researchers is part of a consortium to receive a \$1.7 million federal grant to explore the potential for high-selenium functional foods that can improve human health and optimize agricultural profitability. NDSU will receive approximately \$470,000 for its portion of the four-year project supported by the U.S. Department of Agriculture's Initiative for Future Agriculture and Food Systems (IFAFS) program.

The study will focus on selenium in the food chain and its potential impact on agricultural production practices and long-term human health.

Joel S. Caton, professor of animal and range sciences, is a principal investigator on the project and will be working with a consortium across five states, four USDA/ARS research centers, three universities, several agriculture producers and a major food processing/marketing company to research and identify the potential benefits of high-selenium foods for both food producers and consumers.

In addition to Caton, other NDSU team members are Greg Lardy, assistant professor of animal and range sciences; John Finley, adjunct faculty member; Bret Taylor, post doc; Tammi Lawler, graduate student; and Cheryl Wachenheim, assistant professor of agribusiness and applied economics. They will explore enhanced agricultural production through the marketing of high-selenium functional foods while also studying the human health benefits and anticarcinogenic properties of consuming such products.

Other organizations involved are the Grand Forks Human Nutrition Research Center, Grand Forks, N.D.; Fort Keogh Livestock and Range Laboratory, Mile City, Mont.; Crop Improvement/Utilization Research Center, Albany, Calif.; Soil and Water Management Research Unit, Fresno, Calif.; Oregon State University, Corvallis, Ore.; and University of North Dakota, Grand Forks.

## Survey planned to assess student alcohol use

The Office of Orientation and Student Success has teamed up with Kevin Thompson, associate professor of sociology, to survey students on their use of alcohol and how they perceive the norms surrounding alcohol use. The survey is the result of recommendations by the vice president for student affairs' Commission on Alcohol and Other Drugs. Data from the survey will be used to implement programs, services and policies aimed at reducing the harmful effects of high-risk alcohol use.

Close to 1,500 students will be surveyed in classrooms selected through a stratified random sample. Half of the students will complete the Core Alcohol and Drug Survey, which takes approximately 20 minutes, and the other students will complete the Campus Survey of Alcohol and Other Drugs, which takes approximately 12 minutes to complete. The project has received IRB exempt status approval and will follow protocol for informed consent.

Instructors of classes selected in the sample will be notified for their permission to administer the survey. Questions about the survey may be directed to Thompson at 1-8938 or Laura Oster-Aaland at 1-7750.

## Dining Services alerts campus to need for shared leave

Tammi Haugen has been an employee of NDSU Dining Services since 1984 and is presently a cook at Residence Dining Center. In November, she was diagnosed with a serious medical condition and has exhausted her annual leave and sick leave. She is eligible for the Shared Leave Program and university employees are asked to help, if possible.

NDSU Policy Manual Section 147 states that an individual may donate a portion of his or her annual leave under these guidelines:

- If you choose to donate annual leave, you must donate it in full hour increments and you must retain a leave balance of at least 40 hours for your own use.
- If you choose to donate sick leave, you can donate up to 5 percent of your accrued leave hours in full hour increments.

Anyone who would like to donate hours should contact Linda Wiedmann at 1-9525 or [Linda\\_Wiedmann@ndsu.nodak.edu](mailto:Linda_Wiedmann@ndsu.nodak.edu). Please state your name and building, and forms will be forwarded to you.

## NDSU Libraries to participate in project to preserve record of rural life

The NDSU Libraries have been awarded funding to participate in a nationwide program to identify and microfilm historical literature about agricultural and rural life in America from 1820 to 1945. The project, part of the National Program for the Preservation of Agricultural Literature begun in 1996, is sponsored and funded by the National Endowment for the Humanities, under overall direction of Cornell University's Mann Library and the U.S. Agricultural Information Network. North Dakota joins 17 other states involved in the program.

The project will identify and preserve materials that may be currently in unstable formats, such as paper or inferior microfilm. The NDSU Library will focus on North Dakota materials such as published books, periodicals, pamphlets and broadsides that depict the rural history of North Dakota and Dakota Territory. A complete listing of the scope and subject coverage is available upon request.

Once prepared, a panel of experts in North Dakota will review the bibliography and identify items most worthy of preservation. Selected items will be microfilmed according to national archival standards. The National Agricultural Library will preserve the master film negative in Washington, D.C., while the NDSU Library will retain microfilm copies for local use and interlibrary loan.

For further information, or to suggest something for inclusion, contact Kathie Richardson at 1-8879 or [Kathie\\_Richardson@ndsu.nodak.edu](mailto:Kathie_Richardson@ndsu.nodak.edu) or John Bye at 1-8877 or [John\\_Bye@ndsu.nodak.edu](mailto:John_Bye@ndsu.nodak.edu). Further information about the project is available at [www.lib.ndsu.nodak.edu/subjects/ag/Rural.htm](http://www.lib.ndsu.nodak.edu/subjects/ag/Rural.htm).

## Volunteers needed for science fairs

Faculty, graduate students and technical staff are needed to judge research projects at two science fairs scheduled at NDSU this spring. The first is the Southeast Regional Fair, planned for March 13 at the Bentson Bunker Fieldhouse, where students compete for awards and possible advancement to state competition. The second is the 51st annual North Dakota State Science and Engineering Fair, set for April 5-6. There contestants can win cash and trophy awards, and 18 are selected to compete at the Intel International Science and Engineering Fair held at San Jose, Calif.

"We believe these fairs provide an outstanding opportunity to direct young people into science and engineering careers," said Jim Venette, associate dean for academic programs in the College of Agriculture. "Not only does this demonstrate NDSU's support of science teachers in North Dakota, but it showcases our university as a place where science and engineering research excels."

Venette adds these events are sanctioned by the vice president of academic affairs, and, consequently, they can be included in annual reports and for promotion/merit considerations.

The Southeast Regional Science Fair is scheduled from 9 a.m.-3 p.m. Tuesday, March 13, in the Bentson Bunker Fieldhouse. Coffee and rolls will be served at 8:30 at the judges' meeting. Lunch also is provided.

The North Dakota State Science and Engineering Fair is planned for 8:30 a.m.-4 p.m. Friday, April 6, at the Bison Sports Arena. Coffee, rolls and lunch will be provided.

For more information or to sign up, call Nancy or Char at 1-7411 or Diane at 1-8790, or reply by e-mail to [jvenette@ndsuext.nodak.edu](mailto:jvenette@ndsuext.nodak.edu). Participants should indicate their preference for judging junior or senior divisions and on what date.

## People

### Mueller performs American premiere with Brass Ring



**Mueller**

Neil Mueller, assistant professor of music, performed a concert series in Palm Springs and Tulare, Calif., in December with the Brass Ring Quintet. The group presented the American premiere of "The Unbroken Circle of the Moon's Bright" by Pulitzer Prize-winning composer Joseph Schwantner.

"It was incredibly exciting for me to play chamber music and perform new works," said Mueller, who plays the trumpet. "Not only is it satisfying personally, but I think it also adds to what I can offer the students. In addition to Bach and holiday selections, we were able to play some brand-new music that no one had heard before."

In addition, Mueller is featured on a CD recorded by the Berkshire Bach Ensemble, which was released about one year ago. "The ensemble is a collection of wonderful musicians that gets together a couple days around New Year's each year and performs in Old Sheffield, Mass., and Troy, N.Y.," he said of the group he has performed with for the past three years. "The group is conducted by Kenneth Cooper, a Bach

specialist, and it's some of the most exciting music that I have had a chance to be a part of."

Proceeds from ensemble's performances go to Camphill, a community for the developmentally disabled located in the Berkshire Hills of Massachusetts.

Mueller joined the NDSU faculty in 1999. A native of South Dakota, he won the 1997 ConcertoAria Competition at Boston University. He has performed as a soloist with the Boston Pops Orchestra, the Eastern Connecticut Symphony Orchestra and the Boston University Symphonic Orchestra. Since moving to Fargo, Mueller has performed with the Fargo-Moorhead Symphony, the Jazz Arts Big Band and the NDSU Jazztet.

He earned his bachelor's degree at Concordia College, Moorhead; his master's degree at Yale University; and his doctorate at Boston University's School for the Arts.

## Nygard to receive Department of Defense/EPSCoR grant



Kendall Nygard, professor and chair of computer sciences, has successfully competed in the Department of Defense EPSCoR (DEPSCoR) fiscal 2001 grants program. Nygard will investigate the cooperative control of multiple unmanned autonomous vehicles.

**Nygard**

The grant proposal requested \$345,000. Department of Defense program officers are negotiating award amounts and the average award is expected to be \$298,000.

The Department of Defense will award \$18.7 million to 29 institutions in 18 states, including Puerto Rico, to perform research in science and engineering fields important to national defense. Sixty-three projects were competitively selected for the fiscal year through DEPSCoR, which is designed to expand research opportunities in states that have traditionally not received the funding in federal support for university research.

Previous DEPSCoR awards to North Dakota are listed on the ND EPSCoR web page at [www.ndsu.nodak.edu/epscor/mission/e\\_table.html](http://www.ndsu.nodak.edu/epscor/mission/e_table.html).

ND EPSCoR is a federally and state funded program designed to improve the ability of university researchers to compete more effectively for federal, regional and private research grants in the sciences, engineering and mathematics. Visit ND EPSCoR's Web page at [www.ndsu.nodak.edu/epscor](http://www.ndsu.nodak.edu/epscor) or contact Mark Sheridan, project director at 1-7516.

## NDSU dance team places at nationals

The NDSU Dance Team made its first appearance at the Universal Dance Association 2001 College Cheerleading and Dance Team National Championship in January, at Walt Disney World, Orlando, Fla. The team qualified for the event by placing 12th of 36 teams in a preliminary competition in October.

Coached by Verona Winkler, the 15-member team competed in a semi-final round in Florida, placing fourth of 23 teams. The team then advanced to the finals and finished in eighth place overall. Winkler said no local team had ever finished higher at this competition.

## McCullagh to publish research on hearing loss among farmers



**McCullagh**

The level of use of hearing protection among farmers and the factors influencing the use of these devices are described in a new study by an NDSU researcher which will be published in a professional journal. The study by Marjorie McCullagh, assistant professor of nursing, has been accepted for publication in *Nursing Research*. The study included 167 farmers in North Dakota, South Dakota, Minnesota, Iowa and Manitoba.

Farmers in the study used hearing protection only 17 percent of the time they were exposed to hazardous noise. McCullagh notes that this level is considered inadequate to protect against the danger of noise-induced hearing loss, which affects as much as 78 percent of the farmers nationally.

"Hearing protection is a good way to prevent noise-induced hearing loss," McCullagh said. "In an ideal world, we would work around quiet machines, or noisy machines would be in a place where they wouldn't be around people. Particularly in the farm work environment, that is often not feasible, so the best way to protect themselves from this occupational disease is to use hearing protectors."

The study also provides information about attitudes that affect use of hearing protection. According to McCullagh, this information is useful to health care providers, agriculture educators and Extension service personnel who are responsible for designing and evaluating educational programs for farmers. The leading factor influencing this behavior was found to be family members' encouragement of use of the devices.

McCullagh said, "Other factors were found to influence use of the protective devices, as well. For example, farmers who had difficulty communicating with co-workers while wearing the devices or those having ill-fitting devices were less likely to use them."

The study also found that factors such as having signs reminding farmers to use protectors and having protectors conveniently located near noise sources positively affected how often the protectors were used.

McCullagh earned her bachelor's degree at the State University of New York, Albany; her master's degree at the University of North Dakota; and her doctorate at the University of Michigan, Ann Arbor.

## Fitzgerald among researchers to receive award



**Fitzgerald**

A multistate research group including Margaret Fitzgerald, assistant professor of child development and family science, has been awarded a prestigious award for its research on family businesses. The project, "Family Business Viability in Economically Vulnerable Communities," a U.S. Department of Agriculture northeastern multistate research project, won the Northeastern Regional

Agricultural Experimentation Directors Research Award for Excellence. The award was presented Jan. 30 at the group's annual meeting at the University of Maryland, College Park.

In more detail than ever before, the group examined not only the economic impact of family businesses, but also the relationships among the family, the business and the community. They found, for example, that more than 18 million U.S. households (almost 14 percent of the total) own at least one business and together represent about half of both the nation's gross domestic product and total wages.

Fitzgerald directs the North Dakota land grant component of the project. The research group of 12 land grant institutions has collaborated since 1987 and has studied 794 family businesses in detail. It has concluded that "business-owning families and their businesses are multidimensional, nonlinear and dynamic entities of great social and economic value."

The group was recognized for quantifying the economic and social contributions of family businesses to their local, state and national economies and communities; for developing state Extension materials for business owners, their families and policy makers; and for producing numerous academic publications on family functioning, management and business viability.

## Events

### Brown bag seminars to explore sexism, investments for students

The brown bag seminar "Sexism: Individual Perceptions" is scheduled for noon Wednesday, Feb. 14, in the Memorial Union Peace Garden Room. A student and faculty panel will explain how judgments about sexism are based on individual values, perceptions and beliefs. Panel members will discuss how individual conceptions form a definition of sexism.

Linda Robinson, TIAA-CREF representative, is scheduled to present "Understanding Investment for Students" at noon Wednesday, Feb. 21, in the Memorial Union Peace Garden Room. She will explain the differences between mutual funds, stocks and bonds; what investment choices are best for students; and the risks of the stock market. The seminar is co-sponsored by NDSU Women's Studies.

For more information about either seminar, contact the YMCA of NDSU at 235-8772.

## Kaminski to present Women's Studies Symposium during Women's Week



**Kaminski**

Theresa Kaminski, associate professor of history at University of Wisconsin-Stevens Point, will present the next Women's Studies symposium, "Prisoners in Paradise: American Women in the Wartime South Pacific." Her presentation will revolve around her recently published book by the same title. Scheduled for 3:30 p.m. Thursday, March 1, in Loftsgard 380, this Women's Studies symposium is one of a series of events during NDSU's Women's Week.

Kaminski's book is a collection of women's memoirs describing their experiences as captives of the Japanese in World War II from 1942 to 1945. The women Kaminski studied were involved in the war effort as teachers, nurses, mothers, businesswomen, missionaries and even spies. Her book will be available for purchase at the symposium.

Kaminski has done extensive research on women. Her articles have appeared in *Journal of the American Studies Association of Texas*, *The Historian*, *The History Teacher* and *Reader's Guide to American History*. A forthcoming publication is entitled "Enduring What Cannot be Endured: Memoir of a Woman Medical Aide in the Philippines in World War II." Kaminski presents her work frequently and has won numerous awards and honors. She is affiliated with the American Association of University Women, American Historical Association, Organization of American Historians and Women Historians of the Midwest.

Kaminski received her doctorate in history from University of Illinois. Her dissertation was titled "From Personal to Public: Women's Liberation and the Print Media in the United States, 1968-1974." She began her academic career at the University of Wisconsin-Stevens Point and became an associate professor there in 1998. Among the courses she has taught are American History, American Women's History, Women and War, Women and Sexuality, and Women's Rights and Feminism.

Everyone is welcome to attend the symposium. For more information, contact Theresa Kaminski at 715-346-4695 or [tkaminsk@uwsp.edu](mailto:tkaminsk@uwsp.edu). Anyone needing special assistance at the event should contact Kathleen Slobin, director of Women's Studies, at 1-8939 prior to the symposium.

## International Week set for March 26-30

International Week is scheduled for March 26-30. Among the highlights are an International Expo, in which international associations share information about their countries and cultures. The Expo is scheduled for 10 a.m.-3 p.m. Monday, March 26, near the Memorial Union Alumni Lounge.

There also will be a Japanese luncheon from 11:30 a.m.-1 p.m. Thursday, March 29, in the Alumni Center. Traditional Japanese food will be prepared by Japanese and other international students.

At 7 p.m. Friday, March 30, in the Century Theater, a variety show is scheduled for International Night. The event features songs, dances and skits from around the world.

For more information, contact the Office of International Programs at 1-7895.

## Supplements to be focus of seminar

Adrienne Bendich, associate director of new product research for SmithKline Beecham Consumer Healthcare, will be at NDSU Tuesday, April 10, and Wednesday, April 11. Bendich is an internationally recognized authority in women's health issues. She has published more than 100 scientific papers and six books.

The Food and Nutrition Department is sponsoring her as a Burroughs Wellcome Visiting Professor. As such, she is scheduled to give a public presentation, "Supplements: Role in Improving Health in the 21st Century," at 7:30 p.m. Tuesday, April 10, in the Memorial Union Century Theater.

Bendich will be free most of the day April 11 to meet with small groups or individuals interested in speaking with her about her research. People who would like to meet with her should contact Mary Hadley at [mary\\_hadley@ndsu.nodak.edu](mailto:mary_hadley@ndsu.nodak.edu) or call 1-7476.

## Open forum/luncheon set to address obtaining Bush FIEL Fellowship

The Faculty Institute for Excellence in Learning (FIEL) at NDSU invites teaching faculty and staff to an open house/luncheon from noon-1 p.m. Wednesday, Feb. 21, in the Memorial Union Ballroom. The session will discuss the process of becoming a FIEL Fellow and to answer questions about applying for the fellowship.

FIEL has requested applications by Feb. 28 from instructors interested in enhancing teaching and learning and being recognized as "fellows" of the institute. Upon selection as fellows, faculty will be paid a stipend, will take part in workshops focused on enhancing teaching and learning and will incorporate active learning in their classes. All the college deans and many of the current FIEL fellows will be available to answer questions and share their experiences.

If you are planning to attend the session, register by contacting Mary Stoa at 1-8671 or [Mary\\_Stoa@ndsu.nodak.edu](mailto:Mary_Stoa@ndsu.nodak.edu) by Friday, Feb. 16. A buffet luncheon will begin at 11:45 a.m.

This event is sponsored by the FIEL with a grant from the Bush Foundation to promote active learning in classrooms. For more details, visit [www.ndsu.nodak.edu/instruct/mehta/bush/](http://www.ndsu.nodak.edu/instruct/mehta/bush/) or contact Sudhir Mehta, professor of mechanical engineering, at 1-7871.

## Legislative Bill Status Report

Office of the NDSU General Counsel  
The Legislature's Web site is located at [www.state.nd.us/lr](http://www.state.nd.us/lr). Descriptions in bold are new additions since the last report. Report as of Feb. 8.

### Senate Bills

**SB 2003:** NDUS appropriations. Appropriates to NDSU \$65,262,441 general fund dollars. Moves all university salary money to the NDUS Office. Removes tuition from appropriated estimated income.

**SB 2021:** Agriculture appropriation. Appropriates \$51,924,395 general fund dollars.

**SB 2022:** Information Technology Department appropriation.

**SB 2023:** Appropriates \$296,348 to the Industrial Commission for bonding for NDSU energy improvement projects.

**SB 2026:** Amends 54-59-11 to require information technology plans to include plans for telecommuting for select employees. **Passed House 35-14.**

**SB 2037:** Amends 15-10-12 to provide for the continuing appropriation of special revenue funds, including tuition.

**SB 2038:** Amends 54-44.1-04 to require biennial budgets to include block grants for the NDUS for base, initiative and physical plant asset funding.

**SB 2039:** Amends 15-10-12.1 to authorize SBHE to approve construction of gift/grant financed improvements if not more than \$500,000. **Passed Senate 48-1.**

**SB 2040:** Removes NDUS from reports by OMB on state employee bonuses and temporary salary adjustments.

**SB 2041:** Adds new sections to chapter 15-10 to implement Higher Education Roundtable strategic planning recommendations. **Passed Senate 48-1.**

**SB 2042:** Relates to powers of SBHE. Repeals patent chapter (47-28) and adds intellectual property policy authority to those powers.

**SB 2082:** Amends 54-52-17 to increase PERS retirement multiplier to 2 percent from 1.89 percent.

**SB 2110:** Continues Project Safe Send regarding the pesticide disposal program. The NDAES has a role in this program.

**SB 2117:** Amends open record provisions, including 44-04-17.1, to include as a "public entity" any task force created by order of a president of a university if a majority of members are not employees. **Passed Senate 49-0.**

**SB 2122:** Creates the Trees for North Dakota Program.

**SB 2136:** Amends 15-10-19.1 defining a "resident student" for tuition purposes.

**SB 2137:** Appropriates \$2,310,000 to replace F Court and \$560,000 to renovate Robinson Hall. Passed Senate 49-0. Passed House 97-0. Governor signed.

**SB 2151:** Raises the fixed asset reporting exemption to \$5,000.

**SB 2188:** Mandates a 5 percent preference to be awarded to resident North Dakota bidders for supplies, building or professional services. Failed 10-39.

**SB 2203:** Provides for license plates bearing university logos.

**SB 2241:** Amends 43-12.1-02 to lower the educational requirements for LPNs and RNs. **Failed Senate 17-32.**

**SB 2263:** Provides for mandatory collective bargaining for state employees.

**SB 2280:** Sets damage limits for destruction of crops, including test plots. **Passed Senate as amended 49-0.**

**SB 2291:** Mandates NDUS institutions accepting credit transfers in arts, humanities, natural and applied sciences from other NDUS institutions if student had at least a 2.5 grade point average. **Passed Senate 49-0.**

**SB 2292:** Creates a note repayment program for veterinary optometry and dentistry students who return to North Dakota to work. **Passed Senate as amended 49-0.**

**SB 2297:** Increases lodging expense reimbursement from \$42 to \$47.

**SB 2322:** Authorizes a university president to mitigate damages if construction is stopped on a building financed by a gift.

**SB 2333:** Provides for student loans for education majors at 0 percent interest and for waiver of principal repayment if the student is teaching in North Dakota. **Failed Senate 14-34.**

**SB 2336:** Provides for a corporate income tax reduction for research conducted at nonprofit research facilities.

**SB 2343:** Waives undergraduate tuition charges for NDUS employees, their spouses and children. **Failed Senate 17-32.**

**SB 2368:** Creates a peace officer bill of rights act.

**SB 2374:** Provides for a state income tax credit for charitable contributions to a North Dakota higher education institution or its supporting 501(c)(3) foundation.

**SB 2413: Adds a new section to chapter 4-24 requiring mediation or arbitration provisions in all contracts for production or sales of agriculture commodities.**

**SB 2429: Would make provisions in contracts applying the Uniform Computer Information Transactions Act voidable.**

**SCR 4011:** Directs the Legislative Council to study statewide delivery of library services.

#### House Bills

**HB 1003:** Authorizes Attorney General to charge fees for State Fire Marshal services.

**HB 1015:** OMB Appropriation. Provides for 3 percent first year/2 percent second year raise guidelines.

**HB 1026:** Deficiency appropriation including \$1,609,200 to NDSU for flood expenditures.

**HB 1043:** Appropriates \$2 million to Bank of North Dakota to make student loan payments for resident students in target industries.

**HB 1046:** Moves the faculty oath requirements into the higher education chapter, 15-10.

**HB 1099:** Extends certain health benefits to PERS members who choose the alternate defined contribution plan. **Passed House as amended 98-0.**

**HB 1106:** Adopts the Uniform Electronic Transactions Act, including legality of electronic signatures. **Passed House 95-3.**

**HB 1118:** Amends 18-08-12 to allow for fire inspections of state buildings (except residential buildings) every three years vs. annually.

**HB 1147:** Amends 24-02-03.3 to allow agencies to authorize use of personal vehicles vs. state fleet vehicles.

**HB 1156:** Amends 44-08-04.5 to authorize prepayment of lodging expenses if the agency can show reduced lodging costs.

**HB 1157:** Creates a quality schools commission to assess quality of elementary and secondary schools. The Chancellor is on the commission.

**HB 1181:** Amends SBARE statutes re budget requests and payment of administrative expenses.

**HB 1182:** Amends 49-21-01.1 to exempt higher education from PSC telecommuting regulation.

**HB 1197:** Increases to 31 cents per mile (from 25 cents) the state motor vehicle travel reimbursement rate.

**HB 1200:** Appropriates \$320,000 in general funds to the North Central Research Extension Center to purchase land.

**HB 1216:** Extends the Oct. 1, 2001, time period for employees on PERS to transfer to the defined contribution plan under chapter 54-52.6. **Passed House as amended 97-0.**

**HB 1217:** Extends to September 30, 2002, the time period for employees on PERS to transfer to the defined contribution plan under chapter 54-52.6.

**HB 1283:** Creates a student loan interest rate buydown program for employees in technology occupations.

**HB 1299:** Would restrict state agencies from acquiring land. **Failed House 6-90.**

**HB 1310:** Appropriates \$120,000 to the SBHE for scholarships for retraining elementary and secondary teachers.

**HB 1317: Would create a Division of Immigration in the SBHE Office if SB 2032 (creating a Department of Commerce) doesn't pass. Failed House 27-69.**

**HB 1338:** Imposes, until 8/1/03, a moratorium on genetically modified wheat seed.

**HB 1360:** Creates a state Center for Nursing to address supply and demand for nurses.

**HB 1392:** Removes the sales tax exemption for educational activities held in a public facility if gross receipts from an event exceeds \$5,000. **Passed Senate 96-0.**

**HB 1418:** Appropriates \$2 million to the Bank of North Dakota for a student loan reduction payment program for licensed teachers employed in an elementary or secondary school.

**HB 1442:** Restricts access to land by owners of genetically modified seed patents to determine patent infringement. Requires county extension agents to be involved for seed verification purposes.

**HB 1444:** Appropriates \$250,000 to the Bank of North Dakota for a student loan reduction program for high school teachers.

**HB 1463:** Increases lodging reimbursement from \$42 to \$46 dollars. **Withdrawn.**



## Shorts and Reminders

### Union Food Court specials Feb. 14-21

#### The Corner Deli

Wednesday: roast beef  
 Thursday: chicken  
 Friday: Thai beef wrap  
 Monday: pastrami  
 Tuesday: turkey club  
 Wednesday: Italian combo

#### More Than a Burger

Wednesday: breaded chicken  
 Thursday: 1/4 pound cheeseburger  
 Friday: fish sandwich  
 Monday: double cheeseburger  
 Tuesday: grilled chicken  
 Wednesday: 2/4 pound hamburger

#### A La Carte

Wednesday: turkey enchilada  
 Thursday: chicken Caesar salad  
 Friday: oriental beef strips  
 Monday: chicken lasagna  
 Tuesday: pork chop suey  
 Wednesday: hot roast beef sandwich

#### Pizza Express

Wednesday: meatball  
 Thursday: Southwestern chicken  
 Friday: Red River  
 Monday: creamy garlic chicken  
 Tuesday: Tuscany  
 Wednesday: once around the kitchen

\*Items are subject to change without notice.

Call the Dining Services Lunch Line at 1-9501 to check out the daily specials. Questions or comments may be dropped in the suggestion boxes located in each dining center and the Union Food Court or call Kristina at the Union Buffet at 1-8122.

### Positions available

Positions open and closing dates through the Office of Human Resources, Room 205, Old Main:

Administrative Clerk/#2067  
 Student Academic Affairs  
 \$18,400/year  
 Feb. 20

Catering Attendant  
 (Per Diem; some evening and weekends)  
 Dining Services – Memorial Union  
 \$6.75/hour  
 Open until filled

Heating Plant Operator/#990/4215 (entry level)  
 Physical Plant  
 \$18,720 minimum/year  
 Feb. 20

Multimedia Instructional Support/#3961  
 (nine month; Monday-Friday, 20 hours/week)  
 Psychology  
 \$9.86 minimum/hour  
 Open until filled

Hall Director  
 Residence Life  
 \$20,000/year plus furnished apartment, meal plan, fringe benefits, limited tuition waiver  
 12-month contract  
 March 4

Coordinator of Greek Life/#0542  
 Memorial Union  
 \$29,000+/year  
 March 19

It's Happening Assistant Editor/#3760  
 University Relations  
 \$23,000+/year  
 Open until filled

Graphic Designer/#749  
 Publication Services  
 Salary commensurate with experience  
 Open until filled

Microbiologist/#1392  
 Plant Pathology  
 \$25,000+/year  
 Feb. 14

Research Specialist/#4499  
 Plant Sciences  
 \$22,000+/year  
 Feb. 20

Research Specialist/#1374  
 Animal and Range Science  
 \$26,000+/year  
 Feb. 28

Research Technician/#5111/#5118  
 Animal and Range Sciences  
 \$26,000+/year commensurate with education and experience  
 Open until filled

Position openings also are available through the NDSU Web site at [www.ndsu.edu/hr/](http://www.ndsu.edu/hr/).

## Research Opportunities

The Office of Research Administration in Old Main 201K announces the following funding opportunities and deadlines. For more information, refer to the web site or contact person provided below. For information about other grants opportunities, you may conduct an online funding search via SPIN, available at [www.ndsu.nodak.edu/ndsu/sizer/SPINPlus/SPINPlus.htm](http://www.ndsu.nodak.edu/ndsu/sizer/SPINPlus/SPINPlus.htm).

**National Science Foundation  
Scholarships to Recruit in High-Tech Fields**  
[www.nsf.gov/pubs/2001/nsf0162/nsf0162.htm](http://www.nsf.gov/pubs/2001/nsf0162/nsf0162.htm)  
**Deadline: March 15 for letters of intent;  
May 1 for applications**

The National Science Foundation invites proposals to provide scholarships for academically talented, financially needy students in computer science, computer technology, engineering, engineering technology and mathematics. The program emphasizes recruitment of students to high tech disciplines, mentoring and supporting them through completion of the degree and partnering with industry to accomplish career placement of students in the high-tech work force.

**National Science Foundation  
Rural/Small Town Systemic Education Initiatives**  
[www.nsf.gov/pubs/2001/nsf0157/nsf0157.htm](http://www.nsf.gov/pubs/2001/nsf0157/nsf0157.htm)  
**Deadline: Award sizes and deadlines vary by type of grant.**

The National Science Foundation invites proposals for large-scale rural systemic initiatives to generate comprehensive reform of science, mathematics and technology education in economically disadvantaged small town and rural areas. Examples include projects that provide leadership development training for masters teachers or the establishment of coalitions between tribal colleges and universities to conduct self-studies and other activities.

**Environmental Protection Agency  
Research to Anticipate Future Issues**  
[www.es.epa.gov/ncerqa/rfa/futures.html](http://www.es.epa.gov/ncerqa/rfa/futures.html)  
**Deadline: June 18 for nanoscale science, engineering and technology;  
July 11 for research in natural sciences and studies of socio-economic causes and consequences of future environmental change.**

The EPA invites applications for research to anticipate and analyze future environmental issues over the next 25 to 100 years. Projects should demonstrate the value of nanoscale science and technology to prevent and solve future environmental problems; target emerging environmental problems and new approaches and techniques that can be pursued to solve them; and identify significant socio-economic trends and their effects.

**National Aeronautics and Space Administration (NASA)  
Earth System Science Fellowships**  
[http://research.hq.nasa.gov/code\\_y/nra/current/Fellowship-ESS01/index.html](http://research.hq.nasa.gov/code_y/nra/current/Fellowship-ESS01/index.html)  
**Deadline: March 15**

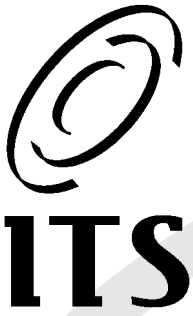
NASA invites applications for graduate student fellowships to train interdisciplinary scientists to support the study of the Earth as a system. NASA will consider applications for research in atmospheric chemistry and physics; ocean biology and physics; ecosystem dynamics; hydrology; cryospheric processes; geology; geophysics and information science; and engineering. The specific research topic must be relevant to NASA activities supporting the government-wide global change research initiative.

**Department of Energy (DOE)  
Microbial Cell Project**  
**Advanced Modeling and Simulation of Biological Systems**  
[www.sc.doe.gov/production/grants/grants.html](http://www.sc.doe.gov/production/grants/grants.html)  
**Deadline: Feb. 21 for preapplications;  
April 24 for applications**

The Energy Department invites applications for research projects to support the microbial cell project, an effort to build on information from completely sequenced microbial genomes to achieve a more comprehensive understanding of the functioning of a prokaryotic microbial cell. DOE also invites research to support computational modeling and simulation of biological systems to exploit the possibilities provided by terascale computers, a companion notice to the microbial cell project.

**National Institute of General Medical Sciences  
Centers of Excellence in Complex Biomedical Systems**  
<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-01-001.html>  
**Deadline: June 11 for letters of intent;  
July 17 for applications**

The NIGMS invites applications for planning grants and specialized center grants to establish new academic centers of excellence in complex biomedical systems research to promote analysis of the organization and dynamic behaviors of complex biological systems. The initiative supports development of multi-investigator teams capable of addressing biomedical complexity with a breadth of activities outside the scope of traditional funding mechanisms. Centers will support research activities that may include development of new instruments and methods, bioinformatics infrastructure and new theoretical frameworks to advance knowledge of life processes at the system level.



## Meeting set to discuss useful Web tools

The Web User Group is scheduled to meet from 3-4 p.m. Wednesday, Feb. 21, in the Thorsen Building training room, to discuss the Web Advisory Board guidelines regarding the many tools available to help test and perfect Web pages.

There are utility programs that check sites for broken links and download times. Dreamweaver has built-in functions for these types of things. There are tools to help insure that Web pages are accessible to everyone, and other tools check for correct spelling and working links. We can see whether local and global searches find our pages, and make the needed changes via metatags.

The meeting of the Web User Group will be filled with “nuggets” you can take back to your office and make good use of. Join us to learn more about these aids. For more information, contact Nancy Lilleberg at 1-7140 or [nancy\\_lilleberg@ndsu.nodak.edu](mailto:nancy_lilleberg@ndsu.nodak.edu).

## Cluster, equipment reservations now may be checked online

ITS now has an online tool, Virtual EMS, to allow users to see if their cluster, instrumented classroom or equipment reservation has been made. To access Virtual EMS:

1. Go to [www.ndsu.edu/its](http://www.ndsu.edu/its) and click either “clusters” or “check-out equipment”
2. Click “check your reservation”
3. You will see a list of all reservations for today. The Location column contains the names of clusters or equipment that are reserved.
4. Click “on now” on the blue side bar to see what is reserved for right now.
5. Use the “event search” option to find reservation for your department for a specific time period.

If you need help, call James Kapaun at 1-8784 or Deb Hegdahl at 1-6144.

## Modem pool status update

Information Technology Services is proceeding with a major upgrade to the NDSU dialup service. The approved plan includes increasing the number of lines from 144 to 240 (192 off campus, 48 on-campus), as well as upgrading modem speeds from the current speed of 28.8kb/sec to 56 kb/sec.

Once the new equipment and lines are installed, NDSU Telecommunications staff will need to make configuration changes on the campus phone switch to support the new lines. ITS staff will need additional time to configure the new modems and to connect the new lines from the phone switch to the modems. The cutover to the new service is expected to be complete by the end of March.

## Teaching Learning Center continues to expand services

For the past three years, the Technology Learning Center, funded by student technology fees, has provided classroom computer training for students. Last fall the TLC acquired computer lab space in IACC 150G. The lab allows for staff to provide students with walk-in or by appointment assistance with computer-related projects. Student trainers are on duty to assist students from 10 a.m.-4 p.m Monday-Friday, and noon-4 p.m. Saturday and Sunday. Late afternoons and evenings are reserved for classroom training and class size is limited. The training schedule, class descriptions and registration information can be found at [www.ndsu.edu/tlc](http://www.ndsu.edu/tlc).

The TLC also is building a resource library that includes training manuals, CDROMs, books and other resources for learning technology. The TLC staff asks faculty and staff to refer students who might benefit from the learning resources at the TLC. Topics include Web browsing, e-mail programs, MS Word, PowerPoint, Excel, Access, Adobe Photoshop, HTML, scanning and digital photography, HTML and Web editors.

Instructors also may request TLC staff to provide training for their students on a specific topic, such as PowerPoint or Web development. Contact Sheree Kornkven, at 1-6327 or [Sheree\\_Kornkven@ndsu.nodak.edu](mailto:Sheree_Kornkven@ndsu.nodak.edu).

## Calendar

### February

Through Feb. 22 The Memorial Union Gallery will present an exhibit by Jaune Quick-To-See Smith

Through Feb. 28 Exhibition: "Best of the Best, Prints from Americas 2000," Reineke Visual Arts Gallery

15 Campus Attractions presents comedian Daniel Tosh, 7:30 p.m., Memorial Union, Cul de Sac Lounge

15 Entomology—Terry Galloway, University of Manitoba, Winnipeg, "Upside Down Down Under: The Contrast in Seasonal Dynamics of Bird Fleas in North America and New Zealand," 1 p.m., Hultz 272

16 Biological Sciences—Megan Jaskowiak, "Species concepts in diatoms," 3 p.m., Stevens 230

16 History—Claire Strom, "Canadian Connections: Subjective Influences on James J. Hill's Agricultural Thought," 3 p.m., Minard 407

16 Animal and Range Sciences—Chainarong Navanukraw, graduate student, "Role of Livestock in Integrated Framing Systems in Southeast Asia," and Holly Pitcher, graduate student, "Influence of Twice Over Rotation and Season Long Grazing Management on Intake, Forage Quality and Protein Supply," 3 p.m., Hultz 104

16 Plant Sciences—Ken Deibert, "Feed Lots Versus Pasture Systems," 3:30 p.m., Loftsgard 114

16 Physics—Matt Craig, Minnesota State University Moorhead, "Getting Something from Nothing: Learning the Nature of Dark Matter from the Internal Dynamics of Spiral Galaxies," 3:30 p.m., South Engineering 208

**University Relations**  
**North Dakota State University**  
**PO Box 5167**  
**Fargo, ND 58105**

19 President's Day holiday, university closed

21 Free NDSU staff preview of Little Country Theatre's production of "The Music Man," 7:30 p.m., Festival Concert Hall

21 Campus Attractions presents modern rockers Fade 2 Shade, 8:30 p.m., Memorial Union Ballroom

22 Entomology—Suranjan Panigrahi, "Potential Opportunities for Research and Education through the Bio-Imaging and Sensing Center at NDSU," 1 p.m., Hultz 272

22-25 Little Country Theatre's production of "The Music Man," Thursday-Saturday, 8 p.m.; Sunday 2 p.m., Festival Concert Hall; for tickets, call the Division of Fine Arts Box Office at 1-9442

23 Plant Sciences—Clare Murphy, Co-operative Research Center for Weed Management Systems, NSW Agriculture, Wagga Wagga, NSW Australia, "Weeds of Broad Acre Cropping in Southern Australia: What are the Issues and What Research is Being Done?" noon, Loftsgard 380; bring your lunch

23 Plant Sciences—Jeremy Pederson, "Harvest Systems and Post-harvest Measures to Achieve and Maintain Maximum Yield and Quality of Alfalfa," 3:30 p.m., Loftsgard 114

26-March 2 Women's Week, "Perspectives"

26-March 28 "Contemporary Quilts of the Prairie and Plains," Memorial Union Gallery; reception: 4-6 p.m., Feb. 27

27 Varsity Band and Jazz Combos Concert, 7:30 p.m., Festival Concert Hall