

President invites participation in commencement

President Joseph A. Chapman has issued an invitation to the campus to attend NDSU commencement, scheduled for 9 a.m. Saturday, May 12, at the Fargodome. College receptions are planned to follow the ceremony.

In a letter to faculty and staff, Chapman said, "I am personally inviting your participation in our 2001 commencement activities. Commencement is one of the most significant events in the annual cycle of an intellectual community. It is a positive symbol of individual student success, family and community pride, and faculty and staff support. I have always felt that individuals who do not attend commencement exercises and college receptions miss one of the most exciting days on our campus and forfeit a full perspective on the wonders of the collegiate experience."

Faculty and staff with academic degrees who wish to participate in the academic processional and the graduating class will wear caps and gowns. Anyone needing a cap and gown should contact Sharon Swanson at 1-9478 by March 28.

Tom Barnhart, professor of health, physical education and recreation, will serve as faculty marshal for the processional and will provide instructions and additional information at a later date. Faculty will march by academic rank and seniority.

NSF grant to fund optics laboratory

A new interdepartmental optics teaching laboratory will soon be established at NDSU, thanks to a recently approved \$74,000 grant from the National Science Foundation and matching funds from the university. The two-year grant, which begins April 15, will be used for equipment for a new optics course planned to be offered next fall.

The "Optics for Scientists and Engineers Laboratory Course" is intended to provide students with optical science and engineering fundamentals through extensive hands-on experiments using research grade components. An interdisciplinary faculty team from electrical and computer engineering, chemistry and physics will implement and teach the course to a wide cross-section of students, including those majoring in electrical engineering, physics, chemistry, agricultural engineering, mechanical engineering and biology.

"We'll have four laboratory stations, with eight students per session," said Orven Swenson, associate professor of physics and principal investigator for the project, noting that the laboratory will include fiber optics equipment and lasers. "It will offer significant employment opportunities to students because there is a nationwide shortage of people trained in optics. Basically, any technical discipline you go into now uses optics. For example, medicine uses laser surgery and optical diagnostics. Communications is very much switching to optics."

The laboratory work will include experiments in optics principles, geometric optics, optical polarization, interference and diffraction, fiber optics and spectrometry.

"My background is in optics, so I'm very excited to see this happening at NDSU," Swenson said. "This also fits in very well with the new push to go to high-tech employment in the Fargo-Moorhead area."

In addition to Swenson, co-principal investigators for the program include David A. Rogers, professor of electrical and computer engineering; Andres D. Campiglia, assistant professor of chemistry; and Floyd Patterson, associate professor of electrical and computer engineering.

Research survey participation requested

Faculty are reminded to participate in the online survey about the functions and services related to campus research. The Web site is www.ndsu.nodak.edu/gdc/calendar/surveys/gdc004/welcome.htm.

The survey will be available until Friday, March 30. The input is important for prioritizing services and functions to provide the best opportunities and support for faculty research and creative activities.

Varsity Mart plans after hours sale to benefit food pantry

The Varsity Mart has scheduled an after hours sale for 7-9 p.m. Thursday, March 29, to benefit the F-M Food Pantry. Shoppers donating a canned food item or 50 cents will receive a 20 percent discount on clothing, souvenirs, trade books and office supplies.

Next Issue

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Old Main 204
Voice: 231-8326
Fax: 231-1989
epuffe@gwmail.nodak.edu

Student develops 'space materials' in laboratory

Chemistry doctoral student Zoha AL-Badri's work is capturing the enthusiastic attention of the National Aeronautics and Space Administration and the European Space Agency. He has developed materials with remarkably similar characteristics to dust found on the moon and among the stars.



Doctoral student Zoha AL-Badri, left, discusses his work with NDSU alumnus and NASA space scientist Lindsay Keller, right.

AL-Badri works with novel silicon polymers, which have primary uses as coatings or in biological applications. However, another branch of the research is what NASA is interested in.

It involves decomposing the polymers to produce ceramic materials that have very small—less than 1,000 atoms in diameter—metal grains embedded in glass. The material is a perfect match with space-weathered soils on the moon and dust grains around newly formed stars that have been observed through infrared spectroscopy.

“It resembles space materials, such as inter-planetary or inter-stellar dust particles, that are currently under investigation,” AL-Badri said. “This will help space scientists at NASA to interpret and understand the infrared emissions that they observe in space.”

AL-Badri's research was funded through a North Dakota NASA-EPSCoR seed grant to the NDSU chemistry department titled “Synthesis and Characterization of Laboratory Analogs of Primitive Space Materials for Planetary Remote Sensing.” Gregory McCarthy, professor and chair of chemistry, is the project's principal investigator.

As part of the grant, AL-Badri presented a talk at the Lunar and Planetary Science Conference March 12-16, at the NASA Johnson Space Center, Houston, Texas. It generated a great deal of enthusiasm among the attending scientists.

“The space science community is very excited about this work,” said Dean Grier, lecturer of chemistry and co-principal investigator on the project. “As one of the attending scientists noted, people in the space science field have been trying to make these materials for 25 years and nobody has done it until now.”

In his research, AL-Badri also is working with North Dakota native and NDSU alumnus Lindsay Keller, BS '83, MS '85, who is a NASA space scientist at Johnson Space Center. Using a “Transmission Electron Microscope,” it was Keller who first noticed the characteristics of AL-Badri's polymers were identical to the space materials he was working on.

Since AL-Badri returned from the conference, he is already seeing promising applications for his work. He has been contacted by scientist Jens Romstedt of the European Space Agency, who has developed a magnetic force microscope for a research space mission to a comet. Romstedt wants to calibrate the machine using AL-Badri's materials rather than using the few, precious actual space samples that are available.

“I'm a chemist and it is interesting to see that my chemistry is applicable to space. It's a thrill for me,” said AL-Badri, who also was the first recipient of the NDSU Tucker Presidential Doctoral Fellowship. “We are the first people to be able to generate these materials. This is an important development for NDSU. Even in a small state, we're proving that we can do competitive research.”

And there may be more long-term research developments coming from this work, according to Grier. It may hold clues to what happened on this planet more than 4 billion years ago.

“There are astro-biology consequences with these materials,” Grier said. “They have the potential for explaining the early formation of certain organic molecules. The formation of these organic molecules is important to NASA research as it pertains to the quest for specific mechanisms involved with the origin of life.”

NDSU researchers plan to approach NASA seeking a multi-year grant to continue the work.

Guidelines explained for hiring underage employees

Departments hiring summer workers under the age of 18 should be aware of employment guidelines set by the Fair Labor Standards Act, which restricts the type of work that can be performed by youth ages 14 to 17.

Workers ages 16 and 17 may work at anytime for an unlimited amount of hours in positions declared not hazardous. Hazardous occupations include work that requires the operation of any motor vehicle, certain types of power-driven machinery or various power-driven hoisting apparatus. Also included are jobs working with radioactive or explosive materials.

Workers ages 14 and 15 may work no more than three hours on school days and eight hours on non-school days. Total work hours is limited to 18 during school weeks and 40 during non-school weeks. Work hours must be between 7 a.m. and 7 p.m. except between June 1 and Labor Day when the evening hour extends to 9 p.m. A variety of non-hazardous jobs are acceptable including office, food service, cleanup, and errand and delivery work by foot, bicycle or public transportation. All hazardous jobs are prohibited, including work that requires the operation of power-driven machinery, and work connected with warehousing, storage, transportation, communications and construction. Minors under age 16 also may not work in agricultural occupations declared hazardous by the Secretary of Labor. Youths under age 14 may not work for NDSU.

Although not required by federal law, work permits must be obtained for all NDSU employees under age 18 to avoid unintentional violations of child labor laws.

For more information about child labor regulations or definitions of hazardous occupations, contact the NDSU Office of Human Relations at 1-8788.

College of Business Administration starts executive education program

The College of Business Administration has launched its new executive development seminar program. The program, which is based on recommendations by regional business and community leaders, provides discussions with recognized experts to help managers analyze and respond to trends and changing economies.

An integral part of each seminar is the opportunity for interaction with peers from a variety of industry sectors. Using a team approach, each seminar is led by an industry expert who serves as the discussion leader, and is accompanied by team members from regional industries and an NDSU faculty member.

Top-level managers from around the state attended the first seminar on "Corporate Finance and Venture Capital" March 15, that featured corporate planning expert Benjamin Brussell, Plantronics Corp. Brent Teiken, chief executive officer, Convexity llc, served as moderator and sponsor and John Elder, assistant professor of finance, provided academic expertise.

Plantronics Corp., a California-based manufacturer of headsets for telephones and computer games, has offices in 19 countries, and major facilities in Mexico; Tennessee, England and Netherlands. Brussell, who received his undergraduate degree from Wesleyan University, earned a master's in degree in management from Massachusetts Institute of Technology's Sloan School of Management. Before joining Plantronics Corp., Brussell was vice president of corporate finance for Solomon Brothers, New York.

On May 4, Dean M. Soutor will lead a seminar titled "Managing Diversity in the Workplace." Soutor, associate superintendent of the Anoka-Hennepin school district, will be joined by Dave Pinder, general manager, Cardinal IG, as sponsor, Fargo Mayor Bruce Furness and Sarah Jacobson, associate professor of management.

The Anoka-Hennepin school district is the third largest in Minnesota and one of the most rapidly growing areas in the nation. Soutor, a native of Henning, Minn., will address the school district's transition in integrating minority students, faculty and staff. Soutor earned bachelor's and master's degrees from the University of North Dakota. He holds a doctorate in educational administration from the University of Minnesota.

On May 24, Jay Neppel, senior sales engineer, Rockwell Automation, and Richard "Dick" Furness, municipal business director USA, Endress+Hauser, will lead a seminar titled "Sales and Marketing for Executives." Business representative, sponsor and moderator Barry Nelson, vice president of marketing for construction sales, Border States Electric Supply Co., and Gerry Macintosh, associate professor of marketing, also will participate.

Neppel, a native of East Grand Forks, Minn., received the Ted Shaller Award for successfully bringing together a diverse group of sales, marketing and factory professionals to complete an international project in Canada. Rockwell Automation is a division of Rockwell International, a company that has \$4.4 billion in annual sales, 25,000 employees and more than 600 sales and support locations in more than 80 countries.

Furness has been involved in both the theoretical and practical sides of the industry and is internationally recognized in the world of measurement and control. Based at the United States corporate offices in Indianapolis, Furness covers all aspects of running a multi-million dollar business, with special focus on marketing and business development. Endress+Hauser, with headquarters in Basel, Switzerland, is an international group of companies offering process control devices and systems in industrial measurement and automation technology.

A new series of seminars is planned for the fall and will deliver new or repeat programs on demand. Seminar size and costs vary. For more information, contact the college at 1-8805 or e-mail Barb_Geeslin@ndsu.nodak.edu.

Search for sponsored programs administration director to begin

A search committee has been named to fill the position of director of sponsored programs administration. Alan White, dean of science and mathematics, will chair the committee, which plans to fill the position by July 1.

The selection will replace Edna Holm, who has served as interim director of the Office of Research Administration since August 1999. Holm will retire from NDSU on June 30.

Other committee members are Edna Holm, research administration; Sheri Anderson, research administration; Carol Pederson, restricted fund accounting; Ona Vig, agriculture administration; Dale Zetocha, Research Foundation and technology transfer; Jeff Clark, arts, humanities, and social sciences; Sarah Jacobson, business administration; Donald Miller, pharmacy; Mario Biondini, agriculture; Donna Terbizan, human development and education; Andres Campiglia, science and mathematics; and John Cook, engineering and architecture.

Senates support Chapman's message opposing hate literature

The University Senate and the Staff Senate have approved resolutions supporting President Joseph A. Chapman's March 9 statement condemning anonymous on-campus distribution of literature that advocates racism and hatred.

The resolutions said, in part, "As concerned members of this campus, we commit ourselves to maintaining a campus environment where everyone—regardless of gender, race, color, religion, national origin, age, disability or sexual orientation—is respected and feels safe and welcome."

The Staff Senate passed the resolution March 14, while the University Senate gave its approval during its March 19 meeting.

Surveys present opinions on campus parking

Two new studies on NDSU parking and transportation issues show faculty, staff and students have decidedly different opinions about the current campus parking system. The groups also have varying degrees of support for a proposed multi-tiered parking ramp.

The telephone surveys were conducted by Daniel Klenow, professor of sociology/anthropology. The first, which was completed in November and December, included 600 students enrolled during the fall semester. The second survey was of 301 staff members and 280 faculty who were called during January and February.

Nearly a third of the students surveyed (32.9 percent) were dissatisfied or very dissatisfied with the current campus parking system. Another 32 percent of students said they were satisfied or very satisfied, while 34.9 percent said they were neutral on the topic.

"The results are probably true of many public institutions. Parking seems to always be an issue for students," Klenow said.

However, 72.2 percent of faculty respondents and 54.2 percent of the surveyed staff said they were either satisfied or very satisfied with the present system. Of faculty, 18 percent said they are neutral on the subject, as did 30.1 percent of the staff. Only 9.8 percent of the faculty said they were dissatisfied or very dissatisfied. Of the surveyed staff, 15.8 percent said they were dissatisfied or very dissatisfied.

On the subject of a possible parking ramp on campus, 66 percent of students and 59.5 percent of staff surveyed support the idea. But among faculty, support for such a structure is 39.6 percent.

According to the survey, 60.6 percent of student respondents were willing or very willing to pay more for a permit to park in such a facility. But that willingness drops among staff (32.7 percent) and faculty (28.7 percent).

"The support for a multi-level parking ramp among students was a little higher than I would have thought," Klenow said. "The economics of a ramp, such as the cost to build it, where is the money going to come from and how much revenue can be generated in fees have to be addressed. But the survey shows there is enough demand to fill a reasonably-sized parking ramp."

The survey also found that when asked if they would pay for a \$100 permit to have ramp parking, 52.5 percent of the students indicated they probably would or definitely would. Among staff, 34.2 percent said they probably would or definitely would, while that number falls to 28.3 percent among faculty.

Probably would or definitely would pay \$100 for ramp parking.



In other findings, 53.8 percent of students, 43.2 percent of faculty and 61.5 percent of staff surveyed supported an on-campus shuttle system. Another 58.7 percent of the students said they would support a yearly \$8 fee that would allow all students to ride the Metro Area Transit System for free.

The surveys have a margin of error of plus or minus 4 percent. The project is funded jointly by the NDSU parking system, which is under the authority of the Campus Police, and the MAT system of the City of Fargo.

Staff Senate scholarship applications due April 2

Applications for Staff Senate scholarships are due April 2. NDSU students may apply online through NDSU's Web page.

To apply, go to www.ndsu.edu and click on "Undergraduate Students;" then scroll down and click on "Financial Aid/Scholarship Information;" then click on "NDSU Scholarship Information."

Applications also can be accessed directly at www.ndsu.edu/admission/staff_senate/ssstaff_scholarship.shtml for broadband staff, or www.ndsu.edu/admission/staff_senate/sschildren_scholarship.shtml for the children of broadband staff.

Hard copies of the applications can be picked up in Ceres Hall Room 202.

NDSU Libraries joins campaign

The NDSU Libraries will join libraries across the country to kick off National Library Week April 1-7 with a new national public awareness effort called "The Campaign for America's Libraries."

Sponsored by the American Library Association, the multi-year campaign is designed to increase public awareness about the value of libraries, and to showcase public, school, academic and special libraries nationwide. The effort is being made in response to research showing that while libraries are popular, they often are taken for granted.

The NDSU Libraries have adopted the theme "meet the world @ your library" in an effort to highlight the multicultural nature of the university and point out the opportunities available at the library. Students, faculty and staff are encouraged to mark their home or place of birth on a world map on display in the Main Library. Patrons who update their library card information will be eligible to win a prize.

"Libraries are part of the American dream," says Pamela Drayson, library director. "They offer opportunities for education and self-help. But they are also changing and dynamic places on the forefront of the information age."

Drayson adds, "Libraries are truly unique. Where else can you have access to nearly everything in print and on the Web, and have the personal assistance of a librarian to help find what you're looking for? If you need to find something, just ask."

For more information about the NDSU Libraries' participation in the campaign or other National Library Week activities, contact Drayson at 1-8887 or e-mail at pamela_drayson@ndsu.nodak.edu.

People

Fellows to be honored

President Joseph A. Chapman and Craig Schnell, vice president for academic affairs, will acknowledge current and new fellows of the Faculty Institute for Excellence in Learning during ceremonies planned for 7:30 a.m. Wednesday, April 4, in the Memorial Union Peace Garden Room. The fellows will be honored for their dedication and commitment to enhance teaching and learning at NDSU.

The institute was created with the help of a Bush Foundation grant to provide support and training for NDSU faculty interested in enhancing the way they teach and, consequently, how students can learn more effectively. In its first year of operation, 29 fellows attended workshops on active and problem-based learning and modified their teaching methods. More than 200 faculty members attended one or more universitywide pedagogical luncheons.

According to Sudhir Mehta, institute director and professor of mechanical engineering, about 40 faculty will be inducted as fellows on April 4. "I really enjoy working with the fellows," he said. "Their enthusiasm, commitment to teaching and learning and sense of humor are excellent. Students at NDSU are fortunate to have such a talented, dedicated and caring group of faculty."

Past activities and problem-based learning resources can be viewed at www.ndsu.nodak.edu/instruct/mehta/bush/.

ND EPSCoR announces awards

North Dakota EPSCoR has announced the winners of the summer 2001 Advanced Undergraduate Research Awards (AURA) program.

AURA provides undergraduate students up to \$2,500 and the opportunity to participate in faculty-mentored research projects at NDSU and the University of North Dakota. Competing students submit applications based on research topics submitted each fall by faculty from the sciences, engineering and mathematics. A faculty review committee ranks each student's application, and awards are given directly to the winners. North Dakota residents and students enrolled at North Dakota University System institutions are eligible.

The NDSU campus award winners, their home towns and mentors are:

- Cherish Brown, West Fargo, Tuncay Aktosun, mathematics
- William Fischer, Fergus Falls, Minn., Inder Sehgal, pharmaceutical sciences
- Ryan Hegge, Williston, Sanku Mallik, chemistry
- Miranda Hvinden, Maddock, Lynn Rust, veterinary and microbiological sciences
- Kari Mitchell, Rhame, Seth Rasmussen, chemistry
- Daniel Moen, Arvilla, Craig Stockwell, zoology
- Erik Nordquist, Bismarck, Mary Stewart, zoology
- Erin Nyren, Streeter, Edward Deckard, plant sciences
- Theresa Rosendahl, Charles City, Iowa, Sanku Mallik, chemistry
- Roger Yan, Fargo, Jagdish Singh, pharmaceutical sciences

For AURA program information, visit www.ndsu.nodak.edu/epscor or contact David R.Givers at 1-7516.

Music faculty perform in Grand Forks

The NDSU Faculty Jazztet recently performed as part of the Memorial Union Concert Series at the University of North Dakota, and at Grand Forks Central High School. The group also led a clinic for high school band students.

The group performs music in the tradition of 1960s jazz groups and is dedicated to preserving the art of classic jazz improvisation. The ensemble consists of Matthew Patnode, saxophone; Neil Mueller, trumpet; Kyle Mack, trombone; Mary Marshall, piano; Bill Law, bass; and Tom Christenson, bass.

Construction students attend national convention

Six construction students recently represented NDSU at the national competition of the National Association of Home Builders. Derek Hoeschen, Andy Johnsrud, Kelly Larson, Jeff Pffingsten, Michael Pierson and Derek Winterboer developed a marketing plan, cost estimate, project schedule and a sales plan for an actual residential land development project.

The project site was located in Raleigh, N.C., and consisted of a subdivision of 100 homes. Once completing the written portion of the project, participants traveled to the association's national convention to make an oral presentation of their work.

Charlie McIntyre, assistant professor of civil engineering and construction, served as the team coach. The NDSU team received top scores for its oral presentation.

Softball player earns national 'Player of the Week' honors

Bison softball pitcher Julie Fromm was named the Louisville Slugger/NFCA Division II Player of the Week for the week of March 12-18.

Fromm, a junior from Kelso, Wash., posted a 5-0 record with one save and a 0.00 earned run average in six appearances. She also hit .391 (9-for-23) with one home run, five runs batted in and four runs scored in 11 games.

It is the first national player of the week award for Fromm, who has been named North Central Conference Pitcher of the Week six times in her career. Former All-America shortstop Nikki Flynn-Gregg was the first NDSU player to earn the national award last season.

Events

Memorial Union Gallery sets Willson and McKee concert

Celtic duo Willson and McKee are scheduled to perform at 7:30 p.m. Friday, April 6, in the Memorial Union Gallery.

The duo have performed together since 1991 using instrumental and vocal harmony to present a diverse blend of music ranging from traditional Irish dance tunes and ancient ballads to contemporary original songs. This will be their third appearance at NDSU.

Tickets are \$6 and are available at the Memorial Union Ticket Office. For more information, call 1-8239.

National anxiety screening scheduled for March 29

Counseling and Disability Services is scheduled to offer a free anxiety disorders screening program at noon Thursday, March 29, in the Memorial Union Prairie Rose Room.

The program will include an educational presentation, self-test, informational materials about anxiety disorders and other mental illnesses, opportunities to meet with mental health professionals and a referral if indicated.

Anyone unable to attend the program may call Counseling and Disability Services at 1-7671 to schedule a private screening.

For more information, contact Marlys Borkhuis at 1-7680 or e-mail Marlys_Borkhuis@ndsu.nodak.edu.

Administrative Professionals Day luncheon seminar set for April 25

The Office of Continuing Education is sponsoring a luncheon seminar, "Chicken Soup for the Administrative Professionals Soul," scheduled for 11:15 a.m. Wednesday, April 25, in the Memorial Union Ballroom.

Via satellite, Jack Canfield, best-selling author of "Chicken Soup for the Soul," will be the keynote speaker. Canfield will focus on putting passion in your work, partnering with your boss and building better work relationships. The satellite seminar is the only live national learning event held on Administrative Professionals Day in appreciation of contributions made by support staff.

Cost of the seminar is \$35, which includes lunch and a set of comprehensive materials to guide participants through the program. Pre- and post-seminar activities also are included in the cost.

Registrations must be received by April 18 and may be made through the Office of Continuing Education, Engineering and Technology 209. Registrations are limited and will be accepted in the order received. To make reservations, or to request special accommodations related to a disability, contact the Office of Continuing Education at 1-5376 or www.ndsu.edu.conted.

English seminar to discuss multi-vocal essays

An English seminar providing an overview of published, multi-vocal essays (MVEs) is scheduled for 3:30 p.m. Wednesday, March 28, in Minard 209. The seminar will explain some of the collaborative, design and technical challenges presented to authors of MVEs.

Kevin Brooks, assistant professor of English, and graduate students Dayna Del Val, Lynne Devitt and Mary Pull will present their MVE which was assembled and posted on the Web during their graduate course. The authors will discuss how metaphors for cooking and dinner conversations became central to the group's collaborative process and understanding of the multi-vocal essay. Audience members will be invited to participate in a group "dinner" conversation.

Brooks asks that people attending the seminar visit www.ndsu.nodak.edu/ndsu/kbrooks/MVE prior to the event.

Discover NDSU Days set for April 20-21

The Office of Admission has scheduled its spring semester Discover NDSU program. "Senior Day" is planned for Friday, April 20, and "Junior Day" is planned for Saturday, April 21. Check-in both days will begin at 9 a.m. in the Memorial Union, and activities are planned through noon.

Prospective students will have the opportunity to tour campus facilities and meet professors and current students. Information will be presented about financial aid, student involvement and other opportunities available to students on campus.

Family members are invited to attend. For more information, contact Merideth Sherlin at 1-9653.

NDSU to host science, engineering fair

NDSU is scheduled to host the North Dakota State Science and Engineering Fair April 5-6 at the Bison Sports Arena. More than 250 junior high school and high school science students from around the state are expected to take part.

NDSU faculty, staff and student volunteers are requested to participate. Hosts are needed for bus tours of local businesses including PRACS Institute, Cass County Electric Cooperative, Great Plains Software, Phoenix International Inc., the Fargo Water Treatment Plant and Forum Communications Co. The tours are scheduled from 10:30 a.m.-1 p.m. Thursday, April 5. Tour guides also are needed from 2-4 p.m. that day to bring the teenagers to designated experiments on campus.

Volunteer judges also are needed for the April 6 student competition. They must be knowledgeable in the fields of behavioral and social sciences, biochemistry, botany, chemistry, computer science, earth and space sciences, engineering, environmental science, gerontology, mathematics, medicine, microbiology, physics or zoology. Judges are asked to report to the Bison Sports Arena at 8:15 a.m. Friday, April 6, for instructions. Continental breakfast and lunch will be provided.

Anyone wishing to volunteer for one or more of the activities may contact Jim Venette at 1-8953 or e-mail at jvenette@ndsuext.nodak.edu.

Seminar to focus on ag processing

Lowell Satterlee, director of the Oklahoma Food and Agricultural Products Research and Technology Center, is scheduled to give a seminar at 3:30 p.m. Wednesday, March 28, in the FLC Room 319. The seminar's title will be "The Role of a Value-Added Center in Building a State's Ag Processing Industry—the Oklahoma Model."

Satterlee is a fellow of the Institute of Food Technologists. His visit to campus is sponsored by the IFT fellows visitation program, and by the NDSU Cooperative Sponsorship Committee, as well as by the Departments of Cereal Science, Agribusiness and Applied Economics, and Agricultural Engineering and Biosystems.

The Oklahoma center has been cited for establishing and the expansion of the value-added processing industry in Oklahoma. Satterlee also will discuss current issues in the food industry with cereal and food science students.

Tri-College Women United dinner scheduled for April 24

The Tri-College Women United spring networking dinner is scheduled for 6:30 p.m. Tuesday, April 24, in the Memorial Union Dakota Ballroom.

At 7:30 p.m., presentations are planned by Bette Midgarden, vice president of academic affairs, Minnesota State University Moorhead; Clay County Attorney Lisa Borgen; and Ivory Leigh Ruud, student organizer of the Leaders of Today and Tomorrow conference to be held at MSUM in October.

Tickets are \$10 for faculty and staff; \$5 for students. Dinner reservations and payment must be made by April 17 to Lindsay Brown, NDSU campus representative, at 1-9731.

Concert choir to perform with FM Symphony

Minnesota Public Radio will broadcast a performance by the NDSU Concert Choir with the Fargo-Moorhead Symphony, the Master Chorale and the Fargo-Moorhead Chamber Chorale as part of its "Regional Artists in Concert" series. The performance is scheduled to air on KCCM 91.1 FM at 7 p.m. Thursday, April 5.

"Regional Artists in Concert" airs monthly on KCCM. Funding is made possible by the North Dakota Council on the Arts, which receives funding from the State Legislature and the National Endowment for the Arts. Additional funding is provided by the City of Moorhead through the Lake Agassiz Arts Council and Concordia College.

Legislative Bill Status Report

The Legislature's Web site is located at www.state.nd.us/lr. The phone number is 888-635-3447, but e-mailing your legislator is probably more efficient.

Descriptions in bold are new additions since the last report. Report as of March 21.

Senate bills

SB 2003: NDUS appropriations. Appropriates to NDSU \$65,262,441 general fund. Moves all university salary money to the NDUS Office. Removes tuition from appropriated estimated income. Passed Senate as amended 49-0.

SB 2021: Agriculture appropriation. Appropriates \$51,742,895 general fund dollars. Passed Senate as amended 47-0.

SB 2022: Information Technology Department appropriation. Passed Senate as amended 48-0.

SB 2023: Appropriates \$296,348 to the Industrial Commission for bonding for NDSU energy improvement projects. Passed Senate as amended 48-1.

SB 2037: Amends 15-10-12 to provide for the continuing appropriation of special revenue funds, including tuition. Failed Senate 1-47. Was amended into SB 2003.

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. Failed Senate 1-47. Was amended into SB 2003.

SB 2039: Amends 15-10-12.1 to authorize SBHE to approve construction of gift/grant financed improvements if not more than \$250,000. Passed Senate 48-1. **Passed House as amended 91-0. House version changes improvements not more than \$250,000 to \$500,000.**

SB 2040: Removes NDUS from reports by OMB on state employee bonuses and temporary salary adjustments. Passed Senate 42-7. **Failed House 34-60.**

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. Passed Senate as amended 48-0.

SB 2082: Amends 54-52-17 to increase PERS retirement multiplier to 2 percent from 1.89 percent. Passed Senate 49-0. Passed House 93-0. **Passed Senate with House amendments 93-0.**

SB 2110: Continues Project Safe Send regarding the pesticide disposal program. The NDAES has a role in this program. Passed Senate 48-0. Passed House 84-13. **Signed by governor.**

SB 2117: Amends open record provisions, including 44-04-7.1, 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 2136: Amends 15-10-19.1 defining a "resident student" for tuition purposes. Passed Senate 49-0. Passed House 86-7. **Signed by governor.**

SB 2137: Appropriates \$2.31 million 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. Passed Senate 49-0. Passed House 96-0. **Signed by governor.**

SB 2280: Sets damage limits for destruction of crops, including test plots. Passed Senate as amended 49-0. Passed House 94-0. **Signed by governor.**

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 2.0 grade point average. Passed Senate as amended 49-0. Is apparently going to be turned into a study resolution.

SB 2297: Increases lodging expense reimbursement from \$42 to \$45. Passed Senate as amended 47-2.

SB 2336: Provides for a corporate income tax reduction for research conducted at research facilities. Passed Senate as amended 40-9. **Failed House 24-66.**

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. Passed Senate 35-12. **Failed House 38-55.**

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. Passed Senate as amended 49-0.

SCR 4011: Directs the Legislative Council to study statewide delivery of library services. Adopted as amended in Senate. **Passed House.**

SCR 4040: Directs the Legislative Council to study problems associated with credit card companies marketing to college students. **Failed House 15-82.**

SCR 4041: Directs the Legislative Council to study the financial impact of credit card fees on higher education and young adults. **Failed House 17-80.**

House Bills

HB 1003: Authorizes Attorney General to charge fees for State Fire Marshal services. Passed House as amended 97-0.

HB 1015: OMB appropriation. Provides for 3 percent first year/2 percent second year raise guidelines. Passed House as amended 97-0.

HB 1026: Deficiency appropriation including \$1,609,200 to NDSU for flood expenditures. Passed House as amended 96-0.

HB 1043: Appropriates \$1 million to Bank of North Dakota to make student loan payments for resident students in target industries. Passed House as amended 65-32.

HB 1046: Moves the faculty oath requirements into the higher education chapter, 15-10. Passed House 95-1.

HB 1099: Extends certain health benefits to PERS members who choose the alternate defined contribution plan. Passed House as amended 98-0. Passed Senate as amended 47-0. **House refused to concur. House Speaker appointed a Conference Committee.**

HB 1106: Adopts the Uniform Electronic Transactions Act, including legality of electronic signatures. Passed House 95-3. **Passed Senate as amended 47-0.**

HB 1118: Amends 18-08-12 to allow for fire inspections of state buildings (except residential buildings) every three years vs. annually. Passed House as amended 96-0. Passed Senate 46-0. **Signed by governor.**

HB 1147: Amends 24-02-03.3 to allow agencies to authorize use of personal vehicles vs. state fleet vehicles. Passed House 90-7. Passed Senate 47-0. **Signed by governor.**

HB 1156: Amends 44-08-04.5 to authorize prepayment of lodging expenses if the agency can show reduced lodging costs. Passed House as amended 97-0. Passed Senate 47-0. **Signed by governor.**

HB 1157: Creates a quality schools initiative to assess quality of elementary and secondary schools. The Chancellor is on the Advisory Board. Passed House as amended 97-0.

HB 1181: Amends SBARE statutes re budget requests and payment of administrative expenses. Passed House as amended 81-14. **Passed Senate 49-0.**

HB 1182: Amends 49-21-01.1 to exempt higher education from PSC telecommuting regulation. Passed House as amended 96-1. Passed Senate as amended 38-10.

HB 1197: Increases to 31 cents per mile (from 25 cents) the state motor vehicle travel reimbursement rate. Increases the out-of-state travel definition from in excess of 150 miles to 300 miles (one way) beyond the state border. Passed House 94-1.

HB 1200: Appropriates \$320,000 in general funds to the North Central Research Extension Center to purchase land. Passed House as amended 94-1.

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 Sept 30, 2002, the time period for employees on PERS to transfer to the defined contribution plan under chapter 54-52.6. Passed House as amended 61-36.

HB 1283: Creates a student loan interest rate buydown program for employees in technology occupations. Passed House as amended 84-14. **Passed Senate as amended 48-0. Senate version changes bill from a student loan interest rate buydown program to a technology occupations student loan program to be administered by SBHE.**

HB 1310: Appropriates \$120,000 of the student grant money

in SB 2003 to the SBHE for scholarships for retraining elementary and secondary teachers.

HB 1338: Imposes, until July 31, 2003, a moratorium on genetically modified wheat seed. Passed House as amended 68-29.

HB 1360: Creates a nursing needs study to address supply and demand for nurses. Passed House as amended 96-0.
**Passed Senate as amended 36-10. House concurred.
Passed House 95-0.**

HB 1386: Construction managers shall bond entire cost of project through a single bond.

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 House 96-0. Passed Senate 47-0. **Signed by governor.**

HB 1442: Restricts access to land by owners of genetically modified seed patents to determine patent infringement. Passed House as amended 94-4.

HB 1444: Student loan reduction program for high school teachers. Passed House as amended 93-4.

HCR 3046: Directs the Legislative Council to study issues relating to genetically modified wheat.

HCR 3061: Directs Legislative Council to study how demographic trends will affect delivery of education over the next 20 years.

Shorts and Reminders

Tri-college film library requests due

NDSU Libraries invites faculty to recommend additions to the Tri-College University Film Library collection. Requests should be forwarded to the appropriate subject librarian by April 6. Recommendations supported by faculty from only one campus are not considered for purchase.

The TCU Film Library includes films, videotapes and laser disks suggested by faculty and purchased with funds provided by all three schools. Materials are available at no charge to Tri-College faculty only as often as needed, and may be kept for one to three days. Faculty requests are necessary in order to update and enhance the collection.

Request forms and more information can be found on the NDSU Libraries Website at www.lib.ndsu.nodak.edu/collections/TCU/FilmLibrary.htm, or contact a subject librarian.

ILL available for e-journals

NDSU faculty may now request journal articles via ILL even though the library receives them electronically.

Some of the more than 5,000 electronic journals provided by NDSU Libraries contain articles available only as HTML facsimiles. Articles in this format may lack information such as graphs or photos found in the original item, faculty may need exact page images of the source article.

To request an article via ILL, complete an ILL form and indicate "need actual photocopy" in the comment section.

Food production management meals

A "Springtime Picnic" is planned for noon Tuesday, March 27. The menu includes creamy country coleslaw, crescent roll, honey barbecue chicken breast, spicy potato wedges and apple pie. Also, a Hawaiian meal is planned for noon Tuesday, April 3. The menu includes sliced ham, stir-fry vegetables, white rice, Hawaiian salad cocktail buns and triple fruit sherbet. Both meals will be served in the lower level of West Dining Center. The cost for both meals is \$5.40, or free to those on a meal plan.

Union Food Court specials for March 28-April 4

The Corner Deli

Wednesday: chicken Caesar wrap

Thursday: pastrami

Friday: corned beef

Monday: turkey

Tuesday: Italian combo

Wednesday: All-American wrap

More Than a Burger

Wednesday: fish sandwich

Thursday: bacon cheeseburger

Friday: 1/4 pound hamburger

Monday: popcorn chicken

Tuesday: 1/4 pound hamburger

Wednesday: mushroom Swiss burger

A La Carte

Wednesday: hot roast beef sandwich

Thursday: chicken chimichanga

Friday: fish strips

Monday: hand-carved ham

Tuesday: chicken Parmesan

Wednesday: sweet and sour chicken

Pizza Express

Wednesday: farmhouse

Thursday: Red River

Friday: Hawaiian

Monday: bacon cheeseburger

Tuesday: taco

Wednesday: creamy garlic chicken

*Items are subject to change without notice.

Call the Dining Services Lunch Line at 1-9501 to check out 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 Secretary
(12 months; 20 hours/week)
Cereal Science
\$9,500/year
March 30

Accounting Clerk/#0664
(12 months; 20 hours/week)
Accounting
\$9,427/year
April 2

Cashier/Food Service Worker/#1080
10-month position; 40 hours/week
6 a.m.-2:30 p.m. (Monday-Friday; some evenings and week-ends)
Dining Services - Memorial Union
\$6.75/hour
March 28

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

Telecommunications Technician/#4518
ITS
\$22,000+/year depending on experience
March 28 or until filled

Systems Administrator/#4145
ITS
\$33,000+/year depending on experience
March 28 or until filled

Technical Director/#3226
Northern Crops Institute
\$50,000+/year
June 18 or until filled

Center Administrative Coordinator
Center for Advanced Technology Transfer and Traineeships -
Research Administration
\$28,000 minimum/year
April 9 or until filled

Center Administrative Coordinator
Center for Advanced Technology Transfer and Traineeships -
Chemistry
\$28,000 minimum/year
April 9 or until filled

Development Director
Center for 4-H Youth Development - NDSU Extension Service
Salary commensurate with qualifications, training and
experience
April 13 or until filled

Research Specialist/#4873
Plant Sciences
\$25,500+/year
April 9

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/jobs.

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 grant opportunities, you may conduct an online funding search via SPIN, available at www.ndsu.nodak.edu/ndsu/sizer/SPINPlus/SPINPlus.htm.

**National Science Foundation
Children's Research Initiative**
www.nsf.gov/pubs/2001/nsf0185/nsf0185.txt
Deadlines: June 4

The National Science Foundation's Social, Behavioral and Economic Science Division is inviting applications for collaborative centers to conduct integrated interdisciplinary child development research under the agency's children's initiative. The purpose of the solicitation is to support large-scale, center-based research that will cross disciplines, combine research perspectives, and advance current knowledge about learning and development by studying the contexts of human development, ecological factors and other interactive phenomena.

**Department of Health and Human Services
Welfare Reform Policy Research**
<http://aspe.hhs.gov/funding.htm>
Deadline: April 6 for abstracts; full proposals from selected applicants due 30 days later.

The Health and Human Services Department's Office of the Assistant Secretary for Planning and Evaluation is inviting abstracts for policy research and studies related to welfare reform. Grants support short-term policy research and analysis on various aspects of welfare reform outcomes including economic conditions, health and well-being, sociodemographic characteristics and social services needs of those affected by the Temporary Assistance for Needy Families Program.

**U.S. Army Medical Research and Materiel Command
Military Health Research**
www-usamraa.army.mil
Deadline: April 25 for letters of intent; May 16 for full proposals (*Proposals under the general BAA may be submitted anytime.*)

The U.S. Army Medical Research and Materiel Command is inviting proposals for relatively short-term, high technology, innovative research and development on a wide range of topics related to the health of U.S. military forces under a supplementary competition to a general medical research broad agency announcement (BAA). Among the 31 broad research topics are childhood asthma; health system information technology; imaging; medical records management; microsurgery and robotic surgery research; molecular biology for cancer research; neural mechanisms of chronic fatigue syndrome;

smoking cessation; social work research; tissue regeneration; and alcohol abuse prevention.

**U.S. Department of Agriculture
Value-Added Agricultural Product Market Development
Center**

www.rurdev.usda.gov/rbs/coops/vadg.htm

Deadline: April 30

The Agriculture Department is inviting applications for a center to coordinate and provide information on research, business, legal, financial, and logistical assistance to independent producers/processors of value-added agricultural commodities. There is \$5 million available for fiscal 2001. Applicants must propose matching funds equal to the grant.

**U.S. Department of Agriculture
Food Quality and Pest Management**

www.reeusda.gov/1700/funding/integrated.htm

Deadline: May 14

The Agriculture Department is inviting applications for research to develop, test and implement pest management alternatives and possible mitigation strategies that anticipate statutory and regulatory changes. Priorities include research on replacement or mitigation technologies, emphasizing biologically-based methods, field demonstrations of promising approaches and outreach activities to exchange pest management information via publications, Websites and regional workshops. Proposals for integrated, multifunctional agricultural research, extension and education activities in pest management are also being sought.

**U.S. Department of Agriculture
Water Quality**

www.reeusda.gov/nre/water/water.htm

Deadline: May 14

The Agriculture Department is inviting applications for research, extension and education activities to address agriculture-related degradation of water quality. The program gives preference to "place-based" projects where work is to be conducted in specific locations identified by those proposing the studies.

Calendar

March

Through March 28 Memorial Union Gallery,
"Contemporary Quilts of the Prairie and Plains," quilters:
Susan Duffy, Kathy Laid, Coni Lamb and Kim Lawonn

Through March 30 Advising week for Fall 2001
registration

Through April 11 Baccalaureate exhibition, Reineke Visual
Arts Gallery

Through March 30 International Week

29 Counseling and Disability Services-National Anxiety
Screening, noon, Prairie Rose room, free

29 Entomology—Stephen Foster, "Sex Pheromones and
their Biosyntheses in Moths," 1 p.m., Hultz 272

29 Chemistry—Robert E. Synovec, University of
Washington, is scheduled to present a lecture at 3:45 p.m. in
Dunbar 152

29 Jazz Combos Concert, 7:30 p.m., Beckwith Recital
Hall

30 Animal and Range Sciences—Sarah Shellito, graduate
student, "Effects of Concentrated Separator Byproduct (CSB)
on Intake, Digestion and Nitrogen Retention in Ruminants
Fed Basal Hay Diets," and Mary-Brianna Knight, graduate
student, "International Livestock Congress – Equine Portion,"
3 p.m., Hultz 104

30 Plant Sciences—Nathalie Vignaux, "The French
Way to Breed Wheat," 3:30 p.m., Loftsgard 114

30 Pharmaceutical Sciences—Roman Tandlich, graduate
student, "Determination of 1-octanol/water Partition
Coefficients of Polychlorinated Biphenyls (PCB's)," 9 a.m.,
Sudro 205

30-April 6 Visual art senior thesis exhibit, Memorial
Union Gallery; reception: 4-6 p.m., April 6

April

2 Deadline for Staff Senate scholarship applications

3 NDSU Health Fair, 10 a.m.-3 p.m., Memorial Union

4 ITS – Access Grid seminar from University of
Kentucky; Eli Dwek, NASA/Goddard Space Flight Center,
"The Cosmic Infrared Background and its Cosmological
Implications," 2:30 p.m., IACC 422

5 Entomology—Jan Knodel, "Entomological Projects
of Canola, Sunflower and Small Grains in North Central and
Western North Dakota—Nuts and Bolts," 1 p.m., Hultz 272

6 Animal and Range Sciences—Thomas Socha, "U.S.
versus Chinese Hog Production," 3 p.m., Hultz 104

6 Plant Sciences—Shana Forster, "Natural Plant
Products used for Pest Management," 3:30 p.m., Loftsgard 114

6 Willson and McKee Celtic Duo concert, 7:30 p.m.,
Memorial Union Gallery; \$6 admission

10 Chemistry—Jeff Aube, University of Kansas, "New
Synthetic Chemistry Using Alkyl Azides." 3:45 p.m.,
Dunbar 152

April 10 through May 4 Baccalaureate Exhibition—Jenny
Jangula, Reineke Visual Arts Gallery; reception 7:30-8:30 p.m.,
April 21

- 10-20 Senior comprehensive interior design projects, Memorial Union Gallery; reception: 4-6 p.m., April 10
- 11 ITS – Access Grid seminar from University of Kentucky; Chuck Goodrich, University of Maryland, “Space Weather Simulation,” 2:30 p.m., IACC 422
- 12 Entomology—Gregory Sword, USDA-ARS, Sidney, Mont., “Phenotypic Plasticity and the Evolution of Warning Coloration: The Demise of an Evolutionary Paradox?” 1 p.m., Hultz 272
- 12 Chemistry—K. Ravichandran is scheduled to present a lecture at 3:45 p.m. in Dunbar 152
- 13 Easter holiday, university closed
- 17-29 Baccalaureate exhibition, Reineke Visual Arts Gallery
- 18 ITS – Access Grid seminar from University of Kentucky; Linda Petzold, University of California Santa Barbara, “Sensitivity Analysis for Differential-Algebraic Equations: The Adjoin DAIE System and its Numerical Solution,” 2:30 p.m., IACC 422
- 19 Robert Vennette, University of Minnesota, “Pest Risk Assessment: A Tool for Exotic Diseases and Insects,” 1 p.m., Hultz 272
- 19 “NDSU Celebration of Faculty Excellence”, Odney, Waldron, Peltier Awards to be presented, 3 p.m., Alumni Center Atrium
- 19 Chemistry—Alan W. Schwabacher, University of Wisconsin-Milwaukee, “One Dimensional Spatial Encoding: Combinatorial Synthesis On A Shoestring,” 3:45 p.m., Dunbar 152
- 20 Animal and Range Sciences—Mustafa Mirik, graduate student, “Prediction of Biomass and Foliar Chemistry using PROBE-1 Hyperspectral Imagery,” and Amy Radunz, graduate student, “Effect of Inclusion Level of Potato-Processing Waste in Finishing Diets on Ruminant Metabolism, Feedlot Performance and Meat Quality,” 3 p.m., Hultz 104
- 20 Plant Sciences—Rick Walker, “Niche Crop Alternatives for North Dakota,” 3:30 p.m., Loftsgard 114
- 24 Chemistry—Gary Roberts, University of Wisconsin, is scheduled to present a lecture at 3:45 p.m. in Dunbar 152
- 24 Free NDSU staff preview of Little Country Theatre’s production of “Mass Appeal,” 7:30 p.m., Walsh Studio Theatre
- 24 Tri-College Women United Spring Networking Dinner, 6:30 p.m., Dakota Ballroom
- 24-25 Architecture and landscape architecture senior thesis preview days, Memorial Union Gallery; reception: 4-6 p.m., April 25
- 25-28 Little Country Theatre’s production of “Mass Appeal,” 8 p.m., Walsh Studio Theatre; for tickets, call the Division of Fine Arts Box Office at 1-9442
- 25 Jazz Ensembles concert, 7:30 p.m., Festival Concert Hall
- 26 Entomology—David Branson, USDA-ARS, Sidney, Mont., “Effects of Livestock Grazing on Grasshopper Population Dynamics and Rangeland Vegetation During a Grasshopper Outbreak,” 1 p.m., Hultz 272
- 26 Chemistry—Pradeep Dhal, Gel Tex Pharmaceutical – Boston, “Polymeric Pharmaceuticals: From Idea to Marketplace,” 3:45 p.m., Dunbar 152
- 26-May 12 Architecture and landscape architecture senior thesis finalists; awards reception: 4-6 p.m., May 4
- 27 Animal and Range Sciences—Kevin Miller, graduate student, “Manganese and Magnesium in Cardiac Dysfunction,” and Manny Encinias, graduate student, “New Beginnings for Beef: Making it Better... Making it Safer – An Overview of the 2001 International Livestock Congress,” 3 p.m., Hultz 104
- 27 Plant Sciences—Samuel Lockhart, “Certified Seed Production in North Dakota,” 3:30 p.m., Loftsgard 114

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