

Biomedical research center to be established at NDSU

The National Institutes of Health has awarded \$8.2 million over five years to establish the Center for Biomedical Research Excellence (COBRE) at NDSU. It is the single largest research grant ever to be awarded to NDSU faculty. The center will combine expertise from NDSU's Department of Chemistry and College of Pharmacy in multi-disciplinary basic research that could help combat diseases including arthritis, diabetes and cancer.

"The center will help place NDSU in the forefront of this emerging area of research," said NDSU President Joseph A. Chapman. "Through this extraordinary funding, the NIHAU is recognizing the skill of a talented group of NDSU researchers and scientists. We hope this work will lead to the development of new treatments and drugs for a variety of diseases."

U.S. Sen. Byron Dorgan called the grant a "breakthrough" in his push to get NIH research distributed to outstanding colleges that have not always participated in the federal government's investment in research. "For years, some of the largest universities in the country—in California, Texas, New York and Massachusetts—have been getting most of the research contracts by the National Institutes of Health," Dorgan said. "That medical research in those states has attracted new companies and jobs to locate near the centers of medical research. We have some outstanding research capability at universities like NDSU that we as a nation have not been utilizing. I aim to change that."

Participating faculty members are Gregory Cook, assistant professor of chemistry; Sanku Mallik, assistant professor of chemistry; Kenton Rodgers, associate professor of chemistry; Mukund Sibi, professor of chemistry; Stefan Balaz, associate professor of pharmaceutical sciences; and Inder Sehgal, assistant professor of pharmaceutical sciences.

"The fact the NIH has chosen NDSU to establish this center is a major development. This type of investment indicates a long-term commitment for this kind of work to occur in the Upper Midwest and we are happy it is going to be here at NDSU," said Philip Boudjouk, vice president for research, creative activities and technology transfer. The grant was received after a competitive process involving universities across the country. "What sets this center apart is that it is a combination chemists and pharmacists attacking these diseases at the most fundamental level."

The center will focus on a class of enzymes called matrix metalloproteinases (MMPs), which play vital roles in biological processes. In humans, for example, hundreds of enzymes mediate many physiological functions and each has a specific responsibility.

The MMPs belong to a class of enzymes called "proteases" that degrade proteins by cutting them into small pieces. Too much or too little MMP activity can contribute to diseases such as arthritis, cancer, multiple sclerosis and diabetes. Controlling enzyme activity by using pharmaceuticals is seen as a potential strategy for treating the diseases.

"This grant is a tremendous boost to our efforts," said Sibi, who will serve as center director. "This will help North Dakota become a world leader in protease research."

Sibi said the participating scientists will combine their talents and experiences in state-of-the-art research to help address problems that affect people's lives. "This type of work is a cumulative thing. One piece of the puzzle falls into the right place

Legislative forums planned

The Chamber of Commerce of Fargo-Moorhead and League of Women Voters have scheduled legislative forums from 10 a.m.-noon Feb. 3, Feb. 17, March 3 and March 17. Each forum will be at the Fargo City Commission Chambers.

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and then someone else does something," Sibi said. "The research we'll do is going to be very valuable."

Sehgal considers the COBRE program an important way to promote high caliber, health-related basic research in states such as North Dakota. "My part of our project allows me to do what I do best—growing human cells in culture—and then expand my research program by developing assays to test new approaches to treat protease-associated diseases," he said. "This work, by its very nature, will be original, novel and somewhat risky, but it may also offer the potential to improve therapies for diseases such as metastatic cancer and diabetes."

Balaz said the cooperative, multi-disciplinary approach is crucial for development of effective drugs. "For years, I have been developing the methods of subcellular pharmacokinetics for modeling of drug distribution in cells, tissues and organisms as well as the molecular modeling approaches for description of drug-receptor interactions," he said. "This project is a tremendous chance to apply the theoretical methods to an important real-world problem."

The center also will allow NDSU faculty and researchers to be more competitive for future NIHAU grants, according to Mallik, while bringing important funding to NDSU. "Personally, I am overjoyed and, at the same time, humbled to be a part of this project," he said. "It will have a visible and direct impact in the economy of Fargo because the award will support undergraduate, graduate students and post-doctoral researchers at NDSU."

Cook sees the program as a way to have a significant impact on people's lives, while helping to boost the scientists' careers. "It will allow me to make useful contributions to society and develop new scientific collaborations," he said. "The COBRE also helps us develop our research programs to become competitive in the national and international arena."

Rodgers said he is excited about the project on several levels. "First, the work to be carried out by the investigators will contribute to our understanding of several important diseases. Second, in addition to its contribution to the improvement of public health, the center will be uniquely poised to improve the biomedical aspect of graduate and undergraduate education at NDSU," he said. "Finally, the fiscal magnitude of this grant will impact the Fargo-Moorhead community in a very positive way."

The center is expected to bring qualified faculty, students, post-doctoral associates and technicians to campus. In addition, the center is expected to initiate several programs to increase biomedical research activities in the state, including seed grants for NDSU faculty, graduate and post-doctoral fellowships and summer research fellowships for faculty and undergraduates from the region's four-year institutions.

Chapman names athletic director search committee

A committee began the search Jan. 30 for a new NDSU director of intercollegiate athletics. The 24-member committee includes representation from the campus and community and is chaired by John Miller, NDSU's director of the Division of Fine Arts. In a letter to committee members, President Joseph A. Chapman asked the committee to forward to him no fewer than three unranked nominations with a goal of having the new director in place this summer.

"The director of intercollegiate athletics is a critical position with major responsibilities at NDSU," wrote Chapman. "Filling this position gives us the opportunity to focus nationwide attention on our extraordinary state, institution and athletics department."

Chapman said the desire for wide ranging campus and community representation was important in the selection of committee members. The committee chair said campus input also will be important during the search.

"The campus community is especially important to the search process, and will play a significant role," said Miller. "The committee will likely schedule special-interest and open sessions during the interview process, and will be very responsive to campus opinion. I expect that we will have significant feedback from the NDSU community, and we will welcome that interest and guidance."

The committee will be assisted by the search firm of Alden-Perry Athletics Search, Amherst, Mass. Committee members are Joan Deal, Lynn Dorn, Bruce Frantz, Kate Haugen, Sarah Jacobson, Pat Jensen, Bill Kiefer, Jane Lessard, David Maring, Prakash Mathew, John Miller, Bob Montgomery, John Q. Paulson, Judy Pearson, David Piepkorn, Cyd Runsvold, Ken Sampson, Jim Satter, John Shotwell, Tadd Tobkin, Dennis Tallman, Donna Terbizan, Jill Theeler and Dennis Walaker. Sandra Holbrook, NDSU director of Equal Opportunity, will serve ex officio.

Library offers trial access to databases

NDSU Libraries has arranged for a campus trial of two EBSCO host databases, International Pharmaceutical Abstracts and SPORTDiscus, through March 20.

International Pharmaceutical Abstracts is produced by the American Society of Hospital Pharmacists and covers the entire spectrum of drug therapy and pharmaceutical information. The database includes citations from more than 750 journals published worldwide since 1970, state pharmacy journals dating from 1985 and clinical study abstracts.

SPORTDiscus is the most comprehensive database of sport and fitness information. It contains more than 500,000 records from journals, books, conference proceedings, dissertations, theses and videotapes. The database is designed for anyone working in sport, including coaches, sport scientists, physical educators and fitness enthusiasts.

To use either database click on the EBSCO link on the NDSU Libraries home page, www.lib.ndsu.nodak.edu. For more information, call the Reference Desk at 1-8886 or contact your subject librarian.

Search begins for research park director

A search is underway for a director for the new North Dakota State University Research and Technology Park. The park, established in 1999 on the north end of campus, is a place where private businesses may conduct research and have access to faculty and student researchers and research equipment. In its first phase, a 68,000-square-foot research and development facility for Phoenix International Corp., Fargo, and a 48,000-square-foot research administration building for NDSU are under construction. A third building, which will include a business incubator, is planned for completion in 2002.

"University research parks have proven to be real assets in economic development efforts," said NDSU President Joseph A. Chapman. "There is a natural synergy when you bring together leading edge faculty researchers with private business research efforts. The opportunity to work side-by-side with potential employers is a real advantage for our students, as well."

The park director will supervise day-to-day activities of the 40-acre park, including design, marketing and management. Businesses wishing to locate in the park have several options including building their own facility, as Phoenix International has done, or leasing a building or laboratory space in a park-owned building. Incubator space for small and start-up research efforts is also available.

Researchers receive NSF grant

A group of NDSU engineering researchers has received a two-year National Science Foundation grant under an NSF-EPSCoR consortium effort between NDSU, the University of Puerto Rico, Mayaguez, and Auburn University. The inter-institutional team will investigate advanced sandwich composite materials that have applications in the marine, aircraft, automotive and sporting goods industries.

"Advanced materials are 'materials of the future.' Unlike traditional metals, the science of composite materials is still in its infancy," said Uday Vaidya, associate professor of mechanical engineering and principal investigator on the project. He noted that NDSU will receive more than \$203,000 of the \$623,000 grant for the three schools. "This program provides a hands-on opportunity for undergraduate and graduate students in North Dakota, Puerto Rico and Alabama to contribute to advanced materials research. The project will serve as a test-bed for actual implementation of 'distance learning and education,' simply because of the physical distance that separates the three institutions."

Sandwich composite materials are considered to have significant advantages over traditional materials such as steel and aluminum due to their lightweight characteristics and ability to tailor properties for strength and stiffness. Some of the research issues of the work include cost-effective processing, noise and vibration damping studies and energy absorption mechanics.

Other NDSU investigators involved in the project are Alan Kallmeyer, assistant professor of mechanical engineering; Mohammad Mahinfalah, associate professor of mechanical engineering; and Kenneth Kellogg, assistant professor of civil engineering.

Ceremony planned for transportation support center

A ceremony to recognize the new DOT Support Center within the Upper Great Plains Transportation Institute is scheduled for Feb. 22. NDSU President Joseph A. Chapman and David Sprynczynatyk, director of the North Dakota Department of Transportation, are expected to sign a letter re-confirming their joint commitment to the center.

The DOT Support Center, which began operations in October, is intended to provide the DOT with NDSU intellectual capital support to solve complex transportation problems, while offering students hands-on experience with projects and issues. The DOT provides funding for equipment, software and training in return for design products and reports.

"We want to act as a portal or gateway between DOT and the university. The center will partner with the different disciplines here on campus," said Dennis Jacobson, center director. He noted that some transportation topics may benefit from input from faculty in such diverse areas as planning, engineering, economics, business management, psychology, operations research, computer science, geography and statistics. "We want to assemble teams to work on large transportation issues," he said.

Jacobson, who joined NDSU in November after 28 years with the DOT, said the center has established a student design and analysis section in Hastings Hall. Seven student engineers and construction managers have been hired to work on DOT-related projects, including reconstruction designs for I-94 and Highway 200.

"There is a shortage of people who want to get into the transportation industry and there is a lot of competition for people with engineering skills," Jacobson said. "We want to encourage students to get into transportation as a career."

"Our students will do projects related to the DOT, and that may help the department at recruiting time," he said. "The students also should be better engineers when they graduate because they will have real-world experience."

Future center projects also include working with campus departments and the private sector to facilitate information technology capabilities that support DOT engineering needs.

Materials available for searches

Copies of the NDSU magazine and the President's Annual Report are available for departments that wish to include them in packets for faculty candidates and prospective employees. These materials include valuable information and stories about NDSU, the faculty and the university's educational opportunities.

To obtain copies, stop by University Relations in 204 Old Main, or contact Char Goodyear at 1-1068.

'School Days' exhibit featured at Library

The exhibit "School Days in North Dakota" is scheduled for Feb. 4-May 13, in the NDSU Main Library first floor. The exhibit provides a glimpse of state educational activities from the 1880s to 1920s. It explores issues from the one-room rural schoolhouse to multiple-room brick buildings, illustrating a variety of architecture, teachers' responsibilities and students' activities.

The exhibit shows how the number of types of school buildings grew from 273 schools in 1894 to 3,700 schools by 1906 and to 5,421 in 1915. It also demonstrates the never-ending job of the teacher, including daily tasks such as building a fire every morning, hauling coal or wood, carrying out ashes and banking the coals every evening.

The exhibit also describes how graduation from high school did not become a standard until the 1930s. Senior classes were small in 1917, when only 11 percent of all pupils finished high school. Because of responsibilities on the farm, the average attendance for a farm boy in 1911 was 84 days.

The traveling exhibit is funded in part by a grant from the North Dakota Humanities Council, an affiliate of the National Endowment for the Humanities, and produced by the State Historical Society of North Dakota.

People

McCullagh receives grant to study farmer hearing protection

Marjorie McCullagh, assistant professor of nursing, has received a National Institute for Occupational Safety and Health grant to study methods to promote hearing protector use among farmers.

The one-year, \$6,400 grant will fund work to design a scientifically based training program for farmers using new information about the factors that influence the use of hearing protection.

"This preliminary research project is designed to lead to a future study focused on the development, implementation and evaluation of an intervention aimed at increasing farmers' use of hearing protection," McCullagh said. "Increased use of hearing protection can be expected to result in reduced rates of hearing loss and improve safety and quality of life among farmers."

Kloberdanz to receive Governor's Award



Tim Kloberdanz, associate professor of sociology, will receive a 2001 Governor's Award for the Arts in ceremonies Thursday, Feb. 8, at the Bismarck Holiday Inn. Gov. John Hoeven and his wife, Mikey, will present the award.

Kloberdanz, one of four recipients, will be honored in the "Arts in Education" category.

Kloberdanz

The Governor's Awards for the Arts program was established in 1977 to recognize individuals' and organizations' outstanding contributions to the state. Recipients are chosen for their efforts to expand arts opportunities to new audiences, improve the quality of arts experiences, create an appreciation for North Dakota's cultural heritage and make the arts more central to education and an integral part of community life.

In a nominating letter, William C. Sherman, professor emeritus of sociology, wrote, "In all honesty, there is no one in the entire state whom I admire more for sheer dedication to both researching and publicizing the folk art traditions of North Dakota and the Northern Great Plains."

H. Elaine Lindgren, professor of sociology, wrote in a letter of nomination, "For nearly a quarter of a century, Dr. Kloberdanz has researched one of North Dakota's most distinctive and enduring folk art forms: wrought-iron grave crosses. In the early 1980s he served as academic consultant to the NDSCA 'Iron Spirits' project. A few years later, he was the principal force in nominating and placing numerous North Dakota iron cross sites on the National Register of Historic Places. This was the first thematic nomination of its kind in the United States."

Paddy Bowman, coordinator of the National Task Force on Folk Arts in Education, wrote of talking to Kloberdanz in 1992 about the state of folk arts in education around the nation. "He generously shared his excellent teacher institute model in our long first conversation, and he said something that stuck with me ever since. 'These institutes are my favorite thing I do all year.' I've never heard another academic folklorist express such enthusiasm for teaching teachers," Bowman wrote.

Kloberdanz joined the NDSU faculty in 1987. He earned his bachelor's degree from the University of Colorado, his master's degree at Colorado State University and his doctorate in folklore and anthropology from Indiana University. His other awards include being named a "Notable North Dakotan" by the Bismarck Tribune and the Distinguished Service Award from the American Historical Society of Germans for Russia. His vita lists more than 100 publications, more than two-thirds of which deal with folklore, folk art or cultural heritage.

The public is invited to the 5:30 p.m. social and 6:30 p.m. awards ceremony and dinner, but reservations are required. Tickets are \$20. Contact the North Dakota Council on the Arts at (701) 328-3954 or comserv@state.nd.us to make reservations.

Lindgren receives grant to assemble photo history

H. Elaine Lindgren, professor of sociology, has received a grant to assemble a historical photo essay of North Dakotans at work. The \$6,000 award from the North Dakota Humanities Council and the Institute for Regional Studies will allow Lindgren to seek photographs taken during the past century.

Lindgren is asking state residents to search their family photo albums for pictures of men and women dressed in work clothes in work situations ranging from chores to paid jobs to volunteer activities. "The photographs I'm looking for are those which show people actually working, as opposed to the traditional pictures of people dressed up or posed for the camera," she said.

"I'm looking for pictures that grab you, ones that are striking and memorable," Lindgren said, noting she is searching for photographs that are not already in the public domain. "I want a real mix of work situations portraying activities we don't already have represented in the archives."

Lindgren said contributed pictures should include information such as the identities of the individuals involved, location, year and a description of the activity.

The photographs will be used for a presentation titled "Work Makes Life Sweet, Or Does It: A Century of Change," and Lindgren is hopeful the research may lead to a published work.

Lindgren said the purpose of the project is to stimulate thinking and discussion about the ways in which our attitudes toward work influence the quality of our lives. The project will explore whether changes in attitudes have taken place and the implications of those changes.

She said her interest in collecting the photographs came from discussions with students in her class on the sociology of work. Her book, "Land in Her Own Name," included pictures collected from across the state who filed homestead claims.

If you have photographs you would like considered for the project, contact Lindgren at 1-8928.

Matchie article reprinted in book

"Tales of Burning Love: Louise Erdrich's 'Scarlet Letter,'" an article by Thomas Matchie, professor of English, appears this month as a chapter in "Telling Stories: Essays on American Indian Literatures and Cultures." The collection was published by Peter Lang, Inc., New York, and is edited by Elizabeth Hoffman and Mac Nelson.

"Tales" is set in Fargo and tells the story of five women married to one man. Matchie shows how the book is an erotic tale that finds its roots in Nathaniel Hawthorne's classic novel, "The Scarlet Letter," though it is written with an American Indian twist.

The essay is highly relevant to America's contemporary pre-occupation with sex, according to Matchie. But, as critic Lee Seigel notes, unlike other contemporary women authors of erotic novels, Erdrich seeks to re-educate her male protagonist "rather than indict him."

Erdrich grew up in Wahpeton, N.D., the daughter of German and Chippewa parents. "Tales" is also an ironic commentary on the relationship between the two cultures.

Events

Horvik to present Women's Studies symposium



Horvik

Lori Horvik, assistant professor of theatre arts, will present the Women's Studies symposium, "Illustrating the Playscript: The Director's Concept," at 3:30 p.m. Thursday, Feb. 15, in Loftsgard 380.

In her presentation, Horvik will discuss the interpretation of a play script from the director's point of view. The discussion will focus on the director's concept, which serves as a thematic metaphor in production. Examples will be used from previous NDSU productions Horvik has directed, including "Lysistrata," "The Crucible" and "A Funny Thing Happened on the Way to the Wedding." Horvik will explore the personal investment a director brings to the design and rehearsal process. The challenge is to bring a script to life through visual and aural metaphor with the collaborative contributions of actors, designers and technicians.

Horvik is a graduate of NDSU, and received her master's degree in directing from Northern Illinois University. She was a freelance director, stage manager and adjunct professor in Chicago before joining the NDSU theatre department as an assistant professor in 1995. In addition to her work at NDSU, Horvik has directed the Fargo-Moorhead Community Theatre and is a board member and artistic staff member of the Harwood Prairie Playhouse. She is a member of Actors' Equity Association, the Association for Theatre in Higher Education, the National Association of Schools for Theatre and the North Dakota Speech and Theatre Association. Horvik also is active in the Kennedy Center/American College Theatre Festival (KC/ACTF).

Everyone is welcome to attend the symposium. For more information, contact Horvik at 1-8776 or Lori_Horvik@ndsu.nodak.edu. Anyone needing special assistance at the event should contact Kathleen Slobin, director of Women's Studies, at 1-8939 prior to the symposium.

Little Country Theatre to present 'The Music Man'

The Little Country Theatre at NDSU is scheduled to present "The Music Man" by Meredith Willson, at 8 p.m. Thursday-Saturday, Feb. 22-24; and 2 p.m. Sunday, Feb. 25. A free preview night for NDSU staff is scheduled for 7:30 p.m. Wednesday, Feb. 21. All performances will be held in Festival Concert Hall.

The well-known musical tells the story of fast-talking Harold Hill, who cons the citizens of River City, Iowa, into buying musical instruments by promising to create a band. Not knowing a clarinet from a saxophone, Hill plans to skip with the cash, only to fall in love with the local librarian.

For tickets, call the Division of Fine Arts Box Office at 1-9442. Tickets are \$12 for adults, \$10 for seniors and \$4 for students (including NDSU students).

Athletic department to sponsor 10th annual blood drive

The athletic department, along with United Blood Services, will sponsor the 10th annual Bison Valentine Victory Blood Drive 10 a.m.-4 p.m. Tuesday, Feb. 13, and Wednesday, Feb. 14, at the Bison Sports Arena.

The 2000 NDSU blood drive attracted 297 volunteers and 233 units of blood were collected for United Blood Services. United Blood Services provides blood and blood products for patients at 50 hospitals in North Dakota, South Dakota and Minnesota.

“Sponsoring a blood drive like this is one way of showing our support to the region and the Fargo-Moorhead community,” said Lynn Dorn, project coordinator and interim director of athletics at NDSU. She noted that the purpose of the blood drive is to involve all faculty, staff, athletes and coaches from all sports. Each NDSU student-athlete is encouraged to recruit at least one potential volunteer for the blood drive.

For more information, call 1-6495. Appointments are encouraged, but walk-ins are welcome.

Brown bag seminar to discuss men in relationships

Dan Squires, graduate intern at UND, is scheduled to present “Men in Relationships” at noon Wednesday, Feb. 7, in the Memorial Union Prairie Rose room. Squires will examine the challenges of being in a relationship from a male perspective and provide insights for a more successful relationship.

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

Annual Jazz Festival scheduled

The NDSU Department of Music’s 19th annual High School Invitational Jazz Festival is scheduled for Saturday, Feb. 3. Guest artists/clinicians will include Bob Baca on trumpet, Tom “Bones” Malone on trombone and Ray Smith on saxophone.

The festival, started by now-retired band director Orv Eidem, is a tradition that has been continued by Kyle Mack, director of the NDSU Jazz Ensemble and Jazz Lab Band. “The festival has always had a purely educational emphasis—there is no competition involved,” Mack said.

The daylong festival consists of performances by participating high school jazz bands and clinic sessions with the guest artist/clinicians. At 7 p.m., the NDSU Jazz Ensemble will perform a concert featuring Baca, Malone and Smith. The clinics and the concert are free and open to the public.

Participating high schools include Fargo North, Fargo South, Grand Forks Central, Grand Forks Red River, Mandan, Jamestown, Roseau, Minn., Minot and West Fargo. Discovery and Ben Franklin junior high schools also are participating.

The festival is made possible by the NDSU Division of Fine Arts, the NDSU Cooperative Sponsorship Committee and the NDSU Festival Concert Hall staff through a grant from United Musical Instruments, USA Inc. and private and public donations.

Agricultural Engineering Show planned

The 53rd annual Agricultural Engineering show is scheduled for 9 a.m.-4 p.m. Saturday, Feb. 10, in the Agricultural and Biosystems Engineering Building.

Participants showcase the latest technologies in the areas of agriculture and engineering. Students who selected and researched their projects will present them to compete for more than \$800 in scholarships and prizes.

The public is invited to attend and admission is free.

75th Little International to honor Agriculturists of the Year

The 75th annual Little International, scheduled for Feb. 9-10 on the NDSU campus, will honor Jim and Jody Hauge, Carson, N.D., as the Agriculturists of the Year. The Hagues will be presented the award at the Hall of Fame Banquet 6:30 p.m. Friday, Feb. 9, at the Holiday Inn.

Little “I” has the longest tradition and is the largest student production at NDSU. More than 200 students are expected to participate in various events, including a public speaking contest; showmanship of beef, swine, sheep, equine and dairy; lamb lead; and ham curing.

The Hagues were nominated as Agriculturists of the Year together as partners with many shared honors, including being named by Farm Futures as one of the Top 100 Best Managed Farms in 1990, Outstanding Agriculturist 1986, Young Couple of the Year, Outstanding Alumnus Award, Soil Conservation 1981 District Award and the Jaycees Couple of the Year in 1980.

They operate the Blue Hill Ranch and Blue Hill Ranch Feedlot and are members of the North Dakota Stockmen’s Association, National Cattleman’s Beef Association and North Dakota Grain Growers.

Nominated by the Saddle and Sirloin Club, the Agriculturist of the Year is a distinguished leader in the agricultural industry of North Dakota who possesses traits members of the club seek to emulate.

The showmanship finals, where students show their animals and awards are announced, is scheduled for 6 p.m. Feb. 10, in Shepperd Arena. The annual “Dance in the Chips” with the band “Red Horizon” will follow at 10:30 p.m.

“After months of preparation and hours of hard work, we all hope the diamond Little ‘I’ is the best ever,” said Little “I” manager Jason Frey, a senior from Granville, N.D., majoring in animal and range science.

Tickets for the banquet, showmanship finals and dance can be purchased at the Memorial Union from 10 a.m. to 3 p.m. Feb. 5-9. For more information call 1-7641.

Legislative Bill Status Report

Office of the NDSU General Counsel
The Legislature's Web site is located at www.state.nd.us/lr.

Descriptions in **bold** are new additions since the last report.
This report is of Jan. 24.

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.

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.

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.

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

SB 2041: Adds new sections to ch. 15-10 to implement Higher Education Roundtable strategic planning recommendations.

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 2117: Amends open record provisions, including 44-04-17.1, to include as a "public entity" any entity created by order of a president of a university.

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.

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.

SB 2203: Provides for license plates bearing university logos.

SB 2241: Amends 43-12.1-02 to lower the educational requirements for LPN's and RN's.

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

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 \$2,000,000 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 1106: Adopts the Uniform Electronic Transactions Act, including legality of electronic signatures.

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 regarding 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 1283: Creates a student loan interest rate buy-down program for employees in technology occupations.

HB 1299: Would restrict state agencies from acquiring land.

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

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

HB 1360: Creates a N.D. Center for Nursing to address supply and demand for nurses.

Shorts and Reminders

Union Food Court specials Jan. 31 – Feb. 7

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: hand-carved roast beef

Thursday: pepper steak

Friday: taco salad

Monday: meat lasagna

Tuesday: chicken fried steak

Wednesday: moo goo gai pan

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 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

Physical Plant

\$18,000 minimum/year

Feb. 8

PM Food Service Lead/#1027

Monday through Friday; 11:30 a.m. to 8 p.m.

Dining Services – RDC

\$7.25/hour

Open until filled

Catering Attendant

(Per Diem; some evening and weekends)

Dining Services – Memorial Union

\$6.75/hour

Open until filled

Multimedia Instructional Support/#3961

(Ninth-month; Monday-Friday, 20 hours/week)

Psychology

\$9.86 minimum/hour

Open until filled

Accounting/Budget Specialist/#4864

Vice President, Business and Finance

\$25,000+/year

Feb. 1

Hall Director/#1301

Residence Life

\$20,000/year plus partially furnished apartment, meal plan, and benefits

Feb. 2 or until filled

Coordinator of Greek Life/#0542

Memorial Union

\$29,000+/year

March 19

Feature Writer/#752

Publication Services

Salary commensurate with experience

Feb. 8

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

Research Specialist/#1374

Animal and range science

\$26,000+/year

Feb. 28

Research Specialist/#1645

Carrington R/E Center

\$25,000+/year

Jan. 31 or until filled

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.nodak.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.

**Department of Commerce/National Telecommunications and Information Administration
Technology Opportunity Program
www.ntia.doc.gov/otiahome/top/
Deadline: March 22**

The Technology Opportunity Program (TOP) announced the opening of the fiscal 2001 grant competition. TOP seeks applications that demonstrate innovative uses of digital network technologies in underserved communities. This year, TOP is encouraging applicants to take advantage of the continuing advances in digital network technologies and to be bold and imaginative. TOP encourages projects that demonstrate sustainable approaches to providing content that is meaningful to underserved populations and is particularly interested in projects that allow end users to move beyond passive consumption of information.

**Pfizer Inc.
International HDL Research Awards Program
Contact: hdlawards@mindspring.com
Deadline: March 15**

Pfizer Inc. announced the development of the International HDL Research Awards Program. The program is an opportunity for Pfizer to reinforce its commitment to supporting research at academic institutions throughout the world. The mission of the program is to support outstanding investigators in the field of HDL biology, including its relationship to atherosclerotic disease. This program will support basic and clinical research into the metabolism and biological activities of HDL particles including their role in the atherosclerotic process. The program will provide \$100,000 of direct costs per year for two years with 10 percent overhead.

**Department of Agriculture (USDA)
Food and Agricultural Sciences National Needs Fellowships
www.reeusda.gov/serd/hep/hep.htm
Deadline: July 10**

The Agriculture Department is inviting applications to support fellowship programs that encourage outstanding students to pursue and complete a doctorate in priority food and agricultural sciences areas. National need areas are animal, microbial or plant molecular biology, including genomics or bioinformatics; natural resources and environment; agricultural systems or natural resource engineering; marketing or management; food science or human nutrition; or human sciences. Higher education institutions must apply and may receive \$276,000 for two years.

**National Science Foundation
Digital Library Program
www.nsf.gov/pubs/2001/nsf0155/nsf0155.htm
Deadline: March 14 for letters of intent;
April 11 for proposals for collections, services and targeted research;
June 6 for proposals for core integration track activities**

The National Science Foundation is seeking proposals under its National Science, Mathematics, Engineering, and Technology Education Digital Library Program, designed to create a network of learning environments and resources for SMET education for all levels, including lifelong learning. NSF urges partnerships among stakeholders, such as K-12 schools, two- and four-year colleges, universities, professional societies, industrial and business concerns, including commercial publishers and other nonprofit and for-profit organizations.

**Department of Education
Anytime Anywhere Partnerships for Distance Education
www.ed.gov/pubs/edpubs.html and
<http://www.ed.gov/FIPSE/LAAP>
Deadline: March 15**

The Education Department is inviting cooperative agreement applications to develop and deliver quality postsecondary education and career-oriented lifelong learning through asynchronous distance education. Grantees must develop and assess model distance learning programs or innovative software; develop methods to identify and measure skill competencies; develop and assess innovative student services; or support other activities authorized for the program. The department has identified priority areas.

**Department of Energy
Scientific Discovery through Advanced Computing
www.science.doe.gov/production/grants/grants.html and
refer to program notice 01-08
Deadline: Feb. 7 for e-mail pre-applications;
March 15 for formal applications**

The Energy Department's Office of Basic Energy Sciences is seeking applications for projects in theory, modeling and simulation related to the computational chemistry component of the broad Scientific Discovery through Advanced Computing (SciDAC) initiative. DOE is interested in the development of computational approaches to solving problems in modeling chemical processes that exceed current capabilities in priority areas.

Calendar

January

Through Jan. 31 "Insights," NDSU and Bemidji State University's Student Art Exchange Exhibition, Reineke Visual Arts Gallery

February

Through Feb. 22 The Memorial Union Gallery will present an exhibit by Jaune Quick-To-See-Smith. Reception and artist talk: 4-6 p.m. Feb. 1

2-28 Exhibition: "Best of the Best, Prints from Americas 2000," Reineke Visual Arts Gallery

2 Pharmaceutical Sciences—Tao Zhang, graduate student, "Identification of Fibronectin-binding Inhibitors of Matrix Metalloproteinases," 9 a.m., Sudro Hall 205

2 Animal and Range Sciences—Bill Coleman, "Dairy Hazard Analysis Critical Control Points (HACCP) and Milk Safety," 3 p.m., Hultz Hall 104

2 Plant Sciences—Shannon Oltmans, "World Trade Organization: Impact on Agriculture," 3:30 p.m., Loftsgard 114

3 Jazz Festival, all day, Festival Concert Hall

3 Jazz Ensemble concert with guest artists, 7 p.m., Festival Concert Hall

9 Peter Mayer concert, 7:30 p.m., Memorial Union Gallery; \$6 admission

9 Plant Sciences—Kirk Hartel "Identity Preservation of Grain: A Look into its Viability," 3:30 p.m., Loftsgard 114

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

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

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

22-25 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—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

March

2-23 Juried high school art exhibition, Reineke Visual Arts Gallery

2 Plant Sciences—Ryan Moeller, "Golf Green Establishment and Management," 3:30 p.m., Loftsgard 114

3 University Chorus and Brass Ensemble Concert, 7:30 p.m., Festival Concert Hall

5 Campus Attractions presents comic magician Tim Gabrielson 8 p.m., Memorial Union Century Theater

12-16 Spring break

17 Festival concert series presents Aries Brass Quintet, 7 p.m., Festival Concert Hall

18 Braschler Music show, Festival Concert Hall

19 Plant Sciences—Manju Karthikeyan, "Production Potential of Borage and Camelina in North Dakota," 3:30 p.m., Loftsgard 114

20 Gold Star Concert Band Home Concert, 7:30 p.m., Festival Concert Hall

23 Concert Choir Home Concert, 7:30 p.m., Festival Concert Hall

23 James Hersch concert, 7:30 p.m., Memorial Union Gallery; \$6 admission

23 Plant Sciences—Jerad Liedberg, "Juneberries, a High Value Crop in North Dakota," 3:30 p.m., Loftsgard 114

26 Advising week begins for Fall 2001 registration

26-April 11 Baccalaureate exhibition, Reineke Visual Arts Gallery

26-March 2 Women's Week

26-30 International Week

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

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

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

April

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

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

10-20 Senior comprehensive interior design projects, Memorial Union Gallery; reception: 4-6 p.m., April 10

13 Easter holiday, university closed

17-29 Baccalaureate exhibition, Reineke Visual Arts Gallery

20 Plant Sciences—Rick Walker, “Niche Crop Alternatives for North Dakota,” 3:30 p.m., Loftsgard 114

24 Free NDSU staff preview of Little Country Theatre’s production of “Mass Appeal,” 7:30 p.m., Walsh Studio Theatre

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-May 12 Architecture and landscape architecture senior thesis finalists; awards reception: 4-6 p.m., May 4

27 Festival Concert Series presents Kraig Karges, illusionist, 7 p.m., Festival Concert Hall

27 Plant Sciences—Samuel Lockhart, “Certified seed production in North Dakota,” 3:30 p.m., Loftsgard 114

28 Varsity Band and Brass Ensemble concert, 7:30 p.m., Festival Concert Hall

29 Spring Choral Pops concert, 2 p.m., Memorial Union Ballroom

May

1 Gold Star concert band concert, 7:30 p.m., Festival Concert Hall

1-11 Baccalaureate exhibition, Reineke Visual Arts Gallery

4 Last day of classes

4 Plant Sciences—Sara Gehlhar, “FISH and GISH - New Tools for Cytogenetic Research,” 3:30 p.m., Loftsgard 114

12 Commencement, 9 a.m., Fargodome

15 Summer classes begin

15-June 7 “Signs and Symbols in Clothing,” selections from the Emily P. Reynolds Costume Collection, Memorial Union Gallery

28 Memorial Day holiday, university closed

June

9 Division of Independent Study Graduation, 2 p.m., Festival Concert Hall

12 Eight-week classes begin

July

4 Independence Day, university closed

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