

## FEMA director visits campus

James Lee Witt, director of the Federal Emergency Management Agency, toured the flood-damaged NDSU Main Library Aug. 2. Witt visited campus with members of the North Dakota Congressional delegation and city officials.

Witt, who holds a cabinet-level position in the Clinton administration, was greeted by NDSU President Joseph A. Chapman. Chapman presented albums of photographs and a video tape showing the damage in the aftermath of the June 19 flood and NDSU T-shirts to Witt, Sen. Kent Conrad, Sen. Byron Dorgan, Rep. Earl Pomeroy and Fargo Mayor Bruce Furness.



**President Chapman visits with FEMA director James Lee Witt, and Senators Kent Conrad and Byron Dorgan during their tour of campus Aug. 2.**

“This campus and this community did things that have not been done anyplace else. They saved the community, university and state millions of dollars,” Chapman told the visitors, noting that the efforts of campus workers allowed freshman orientation to go off without a hitch only six days after the flood. “Our enrollment is going to be up at least 200 students over a year ago. Virtually every student who came here to register did, in fact, register. It’s a tremendous tribute to the people here.”

Chapman told the visitors that actual damages on

campus will be close to \$16 million, which is slightly less than originally expected. He said damages to the agricultural test plots and buildings could run in “the \$20 million to \$25 million range.”

After visiting the Main Library’s basement, Witt had this message for the campus. “You all should be really commended for what you did, because you saved millions and millions of dollars. Working with you now to see how we can prevent this from happening again, that’s the most important thing,” he said. “To hear that you are adding students, that’s incredible.”

The FEMA public infrastructure program will help the university, city and state on replacement costs. The “406 Mitigation Program” is additional monies to work on preventative measures.

“This program will be a life-line because it is going to permit rebuilding the public infrastructure,” Conrad said of FEMA. “It’s going to a very significant item for the city of Fargo, the university and the Fargodome. That’s why it’s important to have James Lee Witt here—he runs it.”

Earlier on Aug. 2, Chapman met with campus faculty and staff in a general meeting to give an update on flood recovery efforts. He praised the personnel for their hard work. “We continue to be on the trajectory that we have set for ourselves,” he said. “I’m very proud of you and really, really pleased with what we’ve accomplished.”

### **Motorpool reservation form available online**

The Motorpool Reservation Form is now available online. It can be found at [www.ndsu.nodak.edu/physical\\_plant/transportation/](http://www.ndsu.nodak.edu/physical_plant/transportation/). Click on “reservform.pdf.”

### **Next Issue**

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Old Main 204  
Voice: 231-8326  
Fax: 231-1989  
[bclemens@gwmail.nodak.edu](mailto:bclemens@gwmail.nodak.edu)

## Emergency Commission approves flood credit line

The state Emergency Commission has approved a \$12.5 million line of credit from the Bank of North Dakota for NDSU to start paying its bills in the aftermath of the June flood. The July 21 action is intended to advance money to pay for reimbursable expenses.

On June 28, the state Industrial Commission offered NDSU a line of credit, and that same day the Board of Higher Education authorized the university to seek a line of credit. Under state law, the university cannot receive or use a line of credit until the Emergency Commission approves it.

President Joseph A. Chapman said the university had received about \$2 million in initial bills from the cleanup contractor, the company working on communications, architects, hygienists and the firm that pumped water from damaged buildings.

"The line of credit helps us keep the process going," Chapman said. "We have had tremendous support from the governor's office, legislature, Congressional delegation, the State Board of Higher Education, chancellor's office, the city and our many volunteers. The line of credit allows us to move forward and we're pleased to get it."

Chapman notes that the line of credit carries an interest rate of about 7 percent, so the university prefers to use as little of the money as possible.

The commission is made up of Gov. Ed Schafer; Secretary of State Al Jaeger; Sen. Gary Nelson, the chair of the Legislative Council; Sen. David Nething, chair of the Senate Appropriations Committee; and Rep. Jack Dalrymple, chair of the House Appropriations Committee.

## Chancellor sends thank you letter concerning flood cleanup

"I want to express my sincere gratitude to all of the NDSU employees, students, alumni and friends for your tremendous efforts during and after the recent flood. Your efforts saved the day in many cases. Your tireless work during the night of the flood and in the days and weeks afterwards has been magnificent. You have all made it possible for NDSU to be getting back to normal in a very timely way. I have been truly impressed by the energy and dedication I observed that is leading to a great recovery for NDSU.

"The Board of Higher Education has acted to support your efforts by giving the campus emergency bidding authority and approval to seek a line of credit from the State Emergency Commission and Bank of North Dakota. Board members have commented to me about your tremendous efforts. They expressed their appreciation when some of them toured the campus two days after the flood and during the meeting to give NDSU the authority to move ahead quickly with repairs.

"Once again, thank you so much for all of you have done. NDSU will be a stronger and cohesive campus as a result of your combined teamwork. Congratulations on a job well done."

Larry A. Isaak, Chancellor

## Main Library open for business, campus recovers

The NDSU Main Library reopened to the public Aug. 7 after being closed since the June 19 flood. Damage to the lower level was extensive, but the library will offer many services to faculty, staff and students as the academic year begins.

"Because of the hard work of the volunteers and library staff those first few days, we rescued 5.5 semi-truckloads of materials that would have been lost otherwise," said Pamela Drayson, Libraries director. "That equals about twice as much as I thought we were going to save. That's very encouraging."

The reference room, book collection and government documents print collection are available for use.

Also, requests for articles and books can be made through the NDSU Libraries' Interlibrary Loan Office. If a student or faculty member needs information about loan material, they are asked to check the Libraries' Web site at [www.lib.ndsu.nodak.edu](http://www.lib.ndsu.nodak.edu).

"We have had offers from about 50 major libraries around the country for free interlibrary loan and assistance this coming year," said Drayson. "Folks like the University of Chicago, University of Minnesota, Harvard and the University of Missouri will be helping us through this.

"Because we don't have the journals right in the building and we can't get to them, people must work ahead," Drayson said. "They have to get their requests in and give us time to have the items sent to us. We are relying on the kindness of our friends in libraries across America, and faculty and students need to get their requests in early. Don't wait for the last minute."

More than 1,000 magazines and journals are available by searching databases through GaleNet or WebPALS. Recent issues of a number of NDSU journals can be accessed at [www.lib.ndsu.nodak.edu/collections/epubs/index.html](http://www.lib.ndsu.nodak.edu/collections/epubs/index.html).

The Institute for Regional Studies and University Archives are open for research use. Their temporary new home is at the Skills and Technology Training Center, 1305 19th Ave. N., room 117. Public hours are scheduled 8 a.m.-4 p.m. The temporary phone number is 799-7125.

The archival book and photograph collections are now at that site, organized and accessible for public use. It is anticipated that access to the library's online catalog will be available in the near future. Also, microfilm relating to North Dakota soon will be available for use in the archives.

Drayson said the bound journal collection, microforms and maps will not be available for the fall semester, and limited access to those collections is expected for spring semester.

She adds that staff at the Architecture/Landscape Architecture, Chemistry and Pharmacy/Nursing Libraries also are available to assist with online searches, renewing materials and other questions.

Other areas of campus also are getting back to full operation following the flood.

According to Bonnie Neas, director of ITS, campus computer systems are working properly. "The dial-up system, internet

and computer network on campus are back up and 100 percent recovered," Neas said.

Neas also said seven computer clusters were affected by the flooding, and five are back in use. The remaining two, in Churchill Hall and West Dining Center, will likely be open for students by the start of the spring semester.

Campus phone lines appear to be back to normal as well. "As far as we know, the telecommunications switching system is 100 percent operational," said Joan Chapek, associate physical plant director. "However, underlying problems within the university cable distribution plant continue to be identified and will be resolved over the next several months."

A process is currently underway to solicit an engineering firm to re-certify the underground cable plant. Both the switching system and the cable distribution plant will continue to be monitored daily for existing and potential problems as we prepare for the next academic year.

Other progress on the flood clean up is as follows:

- Demolition work in the Memorial Union was completed Aug. 8. Restoration of the dining area, bowling alley, recreation and lower level of the Varsity Mart is now underway. Services in the Memorial Union's lower level are anticipated to be available for students on Aug. 22.
- The Varsity Mart will be receiving textbooks and other supplies in time for fall semester classes.
- The FLC day care center is expected to be functioning by Aug. 29.
- Churchill Hall's lower level has substantial mold growth, and this has led to a code review by the architect and the city.
- Carpeting, as it is delivered, will be installed through September and October.

## Pomeroy surveys NDSU ag damage

Rep. Earl Pomeroy visited campus July 14 to see first-hand the damage caused to NDSU agricultural research plots by the June 19 storm which dumped more than seven inches of rain on the Fargo-Moorhead area.

President Joseph A. Chapman; James Venette, associate dean for academic programs in the College of Agriculture; and Sharon Anderson, director of the NDSU Extension Service escorted Pomeroy to research plots near the Fargodome.

Of the university's nearly 20,000 acres of research plots across the state about 1,000 acres were damaged.

"The damage has been more severe in places where there are low lying areas and there is poor drainage," Venette said. "In many cases, the crops look very good and yet there are subtle differences that occur because of the stress that has been placed on them with the high water."

After viewing research areas for oats, corn, soybeans, dry edible beans and sunflowers, Pomeroy said, "When people think about this flood damage to NDSU, they'll think about the physical impact in the library and student union—the bricks and motor hit the university took. Perhaps even more devastating is the loss out on the plots in terms of some of the fabulous research going at NDSU. This impact is devastating to the researchers and graduate students whose work is

diminished, if not ruined. The consequences are also profound for North Dakota farmers who benefit rather quickly from some of the research being done here. It sets everything back and has a significant immediate cost in lost intellectual property value. It's really hard to even calculate."

Faculty from the plant sciences department who accompanied Pomeroy on the tour included Marcelo Carena, assistant professor; Ken Grafton, professor; Ted Helms, associate professor; Burton Johnson, assistant professor; and Mike McMullen, associate professor.

## MBA now offered through evening classes

NDSU now is offering a Master of Business Administration degree entirely through evening classes, according to Jay Leitch, dean of business administration. The 30-credit degree will include 10 three-credit courses, at least four of which will offered on campus and one via the interactive network each semester, and will feature classes after 5 p.m. during the work week.

"Almost on a weekly basis, someone tells me they are thinking about earning an MBA, but they have to work," Leitch said. "By offering the classes in the evening, NDSU is responding to the access needs of people and to the growing number of people who want MBA degrees. About 250,000 people live within 50 miles of NDSU, so there is a tremendous market for advanced degrees."

Leitch said as people change careers or increase their credentials for their present jobs, they often feel they cannot juggle work, personal lives and daytime classes during an 18-24 month period. The evening courses provide a valuable option.

"A very energetic student could do the coursework for an MBA in two semesters, but probably four semesters would be more realistic for someone who has a family and a life outside of work and school," he said.

The evening courses include such studies as intermediate, forensic and advanced managerial accounting; principles in marketing, finance, macroeconomics and real estate; organizational communication; human resource management; strategic marketing; organizational behavior; information resources management; and business policy and strategy.

"An MBA adds depth to the functional areas of business," Leitch said. "It adds breadth by giving exposure to state-of-the-art happenings in finance, management, marketing, e-commerce and so forth. It adds professional maturity because the courses are more rigorous and students will need to integrate and think more broadly than narrow functional lines."

Within a year, Leitch anticipates 75-80 students will take advantage of the evening classes to work toward their MBA degree at NDSU.

## Policy updates announced

The following policies recently were added or revised. To see the complete policy, go to [www.ndsu.nodak.edu/policy/](http://www.ndsu.nodak.edu/policy/).

### Policy 151 - Conflict of Interest

This revision amends the policy to required university employees who are authorized to enter into contracts on behalf of the university to sign a conflict of interest disclosure statement. This addition follows a recommendation from the state auditor.

### Policy 156 - Equal Opportunity Grievance Procedure

The main change to this policy is the addition of time lines for each of steps in the procedure. The revision also makes an agreement of the parties necessary before one or more of the hearing sessions may be open to the public and press.

### Policy 163 - Anti-Harassment Policy

This is a new policy developed in response to guidance issued by the Equal Employment Opportunity Commission. The policy makes clear the university's commitment to address harassment based on gender, race, color, religion, national origin, age, disability, sexual orientation or protected activity such as reporting alleged harassment and providing information related to a grievance. This policy does not replace the university's sexual harassment policy, but both policies rely on the same grievance procedure (Equal Opportunity Grievance Procedure - Policy 156).

### Policy 516 - Travel - Non-Employee

This is a new policy. Previously, there had been no official guidance at NDSU to address non-employee travel reimbursements.

## Library eliminates processing fee

To better serve the academic community, the NDSU Libraries has changed some of its circulation policies. As of Aug. 15, the Libraries dropped its \$10 processing fee for overdue materials.

If a book is not returned within five days after the due date, the patron will still be billed the cost of the book and the bill sent to the Business Office. The patron must return the book or pay a replacement fee to receive credit.

Other circulating materials will have fines that will accrue with no maximum limit until materials are returned.

For questions or more information, contact the Circulation Department at 1-8888.

## PTF form updated on Web

The NDSU Proposal Transmittal Form (PTF) has been updated and is available in PDF format on the Web at [www.ndsu.nodak.edu/ndsusizer/forms/transmit.pdf](http://www.ndsu.nodak.edu/ndsusizer/forms/transmit.pdf). New instructions for completing the form also can be found at this site.

The transmittal form must accompany each grant proposal and must be submitted to the Research Administration Office for approval by the authorized university official at least three business days before the proposal is scheduled to be sent to the funding agency.

In addition to the transmittal form, appropriate NDSU signatures also must be obtained on all grant proposals, contracts and agreements before they become official binding documents with a funding agency. Authorized university officials at NDSU are Philip Boudjouk, vice president for research, creative activities and technology transfer, and Edna Holm, professor of food and nutrition, in the Research Administration Office. Individual faculty and staff members are not authorized to sign such paperwork on behalf of NDSU.

Any questions about the revised PTF and authorized university signatures can be answered by visiting the Research Administration Web site or by calling the Research Office at 1-8045.

## Outdated institutional forms no longer accepted

Staff members who have responsibility for completing forms associated with the Human Resources, Payroll or Equal Opportunity Offices are cautioned to use the current Web version of those forms. Effective with forms received after Aug. 15, outdated versions will not be accepted in Human Resources, Payroll or Equal Opportunity. These forms are revised regularly and to assure that the necessary information is provided, the current version must be used by those completing them.

For example, a budget transfer section has been incorporated into the Form 100-Personnel Appointment and Form 101-Personnel Change Authorization.

Forms used by these three offices all include a date on the bottom of the page. Any hard or electronic copies of forms in a department should be checked against the date on the Web form, and all outdated versions discarded. The forms associated with each of the three offices (Human Resources, Payroll and Equal Opportunity Offices) are available from their Web pages or directly from [www.ndsu.edu/forms](http://www.ndsu.edu/forms) (this is an alphabetical listing of many institutional forms). Most of the forms can be completed online in the PDF version; some also are available in a software format that can be downloaded, completed and saved at the workstation. Before re-using the downloaded forms, however, staff members should check be sure to the downloaded version is still current.

Users who experience technical difficulty with a form may contact the ITS Help Desk at 1-8685. For questions concerning form content, users should contact the appropriate office electronically from the forms page or by telephone.

## Annual Fulbright grant competition open

Competition is now open for Fulbright and related grants for graduate study or research abroad in academic fields and for professional training in the creative and performing arts.

The purpose of these grants is to increase mutual understanding between the people of the United States and other countries through the exchange of persons, knowledge and skills. Fulbright grants are funded under the Mutual Educational and Cultural Exchange Act of 1961 through an annual appropriation made by Congress to the U.S. State Department and by foreign governments, universities, corporations and private donors.

For all grants, applicants must be U.S. citizens at the time of application and hold a bachelor's degree or its equivalent by the beginning date of the grant. All applicants are required to have sufficient proficiency in the language of the host country to carry out their proposed study or research.

Full grants provide round-trip international travel, maintenance for the tenure of the award, a research allowance and tuition waivers, if applicable. Travel grants provide round-trip international travel and are available to selected countries to supplement maintenance awards from other sources that do not provide funds for international travel or to supplement the applicant's personal funds. All grants include some supplemental health and accident insurance.

For more information and application materials, contact Virginia Packwood, director of international programs, in Ceres 338, or call 1-7895. The application deadline is Sept. 22.

## Dorgan outlines ag research budget for North Dakota

In a meeting of USDA and NDSU scientists and administrators at NDSU Aug. 3, U.S. Senator Byron Dorgan outlined nearly \$2.6 million earmarked in the Senate Agriculture Appropriations Bill for agricultural research in North Dakota.

The bill has passed the Senate and is expected to be reworked by a House-Senate conference committee next month.

"NDSU has been a leader in the field of ag research," Dorgan said. "The money we invest in ag research is vital to winning the battle against crop disease, learning how to use our land more effectively and boosting farm incomes. I see a real potential for even more growth at NDSU in doing important ag research."

Faculty and administrators, including Floyd Horn, administrator of USDA's Agricultural Research Service, and NDSU President Joseph Chapman welcomed Dorgan and thanked him for his support of agricultural research.

Patricia Jensen, vice president for agricultural affairs, hosted the event. "Federal support of our work has been extremely important to agriculture," she said. "Continued funding for agricultural research is essential to the success of the region's farmers."

Sharon Anderson, director of the NDSU Extension Service, said formula funds, base federal funding provided to state extension services and experiment stations, give a sound base to work from in developing programs that most effectively help the people of our state.

The Senate Agriculture Appropriations Bill provides funding for the following projects at NDSU.

\* \$11.65 million for the USDA Agricultural Research Service in Fargo (a \$1.05 million increase for cereal crops research). The increase will augment cereal crops research, fill a vacant wheat geneticist position and create two new positions—a new wheat/barley pathologist and a sunflower geneticist.

\* \$6.1 million for scab research (a \$1 million increase). About \$1.3 million of the total funding will go to NDSU, a partner in a 12-state national consortium working to improve control of scab.

\* \$1.5 million for potato research (a \$100,000 increase). About \$300,000 of the total funding will go to NDSU. The research dollars to a consortium of states involved in potato improvement will allow NDSU to develop potato cultivars for North Dakota that increase yield, and to identify and incorporate genetic resistance to potato diseases.

\* \$700,000 for alternative crop research (a \$150,000 increase). The NDSU project was initiated in 1989 to increase the viability of agriculture by developing new crops and new markets.

\* \$450,000 for weed control research (a \$27,000 increase). NDSU research toward improved weed control seeks to reduce one of producer's largest input costs.

\* \$150,000 in new funds for the Intelligent Quality Sensor for Food Safety program. This new project will use sensor technology to provide information about food products. Research results will be used to develop non-destructive sensors to predict and evaluate meat quality.

\* \$9.5 million for the Sustainable Agriculture Research and Education (SARE) program (a \$1.5 million increase). This national program funds farmer-driven research and outreach on environmentally sound farming practices.

## People

### Yazdani, Katti receive grant

Frank Yazdani and Dinesh Katti, associate professors of civil engineering and construction, have received a research grant from the North Dakota Department of Transportation to develop a "High Performance Patch Mix" for highway construction applications.

The two-year \$50,000 research grant is aimed at designing a cost-effective Portland cement concrete patch mix, made with local materials and admixtures, to obtain high early strength and satisfactory bonding characteristics. The research findings will be implemented in the field in designated areas for the purpose of performance monitoring under traffic loads. Marwa Salaheldin, a civil engineering graduate student, will assist with the research.

## Slanger named institutional analysis director

William Slanger has been named NDSU's director of institutional analysis, according to Vice President for Academic Affairs Craig Schnell. Slanger, who had previously served as interim dean of graduate studies and interim dean of university studies, took over his new duties Aug. 1.

Slanger will direct the university's efforts in accountability and institutional analysis. The department, formerly called the Office of Assessment and Institutional Research, was recently reorganized.

"Dr. Slanger is a highly qualified person for this position," Schnell said. "His 24 years at NDSU give him a strong familiarity and understanding of our faculty and campus."

Slanger, a native of Montana, joined the NDSU faculty in 1976 as an assistant professor. He was named a full professor of animal science in 1987 and also has been an adjunct professor of statistics since 1980. He was named interim dean of graduate studies in 1995 and interim dean of university studies in 1998.

He earned his bachelor's degree in animal science from Montana State University, Bozeman, and his master's degree and doctorate in animal breeding and genetics from Cornell University, Ithaca, N.Y. His vita lists 48 refereed publications, 66 abstracts and 32 other works.

## Peterson honored for regional scholarship

The Center for Great Plains Studies at the University of Nebraska, Lincoln, presented Larry R. Peterson, professor of history, with the Leslie Hewes Award for outstanding regional scholarship.

The award recognized his article, "Is the Family Disappearing? Northern Great Plains vs. National Trends in Family Structure," as the best social science article published in 1999 in the journal *Great Plains Research*.

## Faculty receive EPSCoR grant

A group of NDSU faculty members has received a \$498,000 two-year grant from the National Science Foundation's Experimental Program to Stimulate Competitive Research (EPSCoR). The focus of the grant is to increase science and technology partnerships in North Dakota. Using a variety of approaches, the researchers hope to see expanded technology-based businesses in the state and to increase the number of graduate students in technology-related areas.

The grant recipients are Greg Gillispie, professor of chemistry; Andres Campiglia, assistant professor of chemistry; Orlando Baiocchi, former professor and chair of electrical and computer engineering; and Orven Swenson, associate professor of physics.

They will work to increase the number of North Dakota companies that submit proposals for Small Business Innovative Research grants, provide a short course in lasers to undergraduate students interested in graduate training, and develop jointly with the Colleges of Natural Science and Engineering a curriculum for an accelerated master of science technology degree program that could begin during the 2002 academic year.

In support of the objectives, the researchers will conduct a regional survey of technology and training needs in North Dakota; facilitate contacts between companies, faculty and students; develop materials for short courses in optics, sensors and imaging to complement the lasers short course; create courses in instrumentation electronics and treatment of digital data; and expand research activities in the Center for Real-time Chemical Analysis.

"Certainly the hope is to see additional activity and encourage more students to get involved with high technology business," Gillispie said, noting such partnership may provide increased local employment opportunities for students and graduates. "There's a lot of talent and brain power on campus. We'd like to give that talent a reason to stay at home."

Gillispie, who also is president of Dakota Technologies Inc., Fargo, said the project could serve as a catalyst to nudge new business ventures in North Dakota.

"If we increase interactions between businesses and the university, good things will happen for both. You could imagine technology partnerships between faculty in different colleges, between companies and the university, or between businesses," Gillispie said. "With noteworthy success stories and greater visibility for the research that's already being done, that should stimulate people to think about forming a company."

Philip Boudjouk, vice president for research, creative activities and technology transfer and director of the North Dakota EPSCoR program, sees great potential for the project. He said an important goal of EPSCoR is to build up the research infrastructure to the point where it has an impact on economic development.

"This is the type of program that will have that impact because people will be trained at the next level to better serve the needs of local and regional industries," Boudjouk said. "That's a big thing, to generate students where our companies don't have to do 'long distance shopping' to get what they need—they can get it right here from NDSU."

## McCarthy receives award at x-ray conference



**McCarthy**

Gregory McCarthy, distinguished professor and chair of chemistry, received the first McMurdie Award at the 49th annual Denver X-Ray Conference July 30-Aug. 4 at the Denver Tech Center. The honor recognizes McCarthy's "distinguished work which improves the 'Power Diffraction File' in its purpose of identifying and characterizing inorganic solids."

McCarthy said the "Power Diffraction File" is the database used worldwide for identification of solids by x-ray diffraction. "Our entries in this database are mostly common compounds, which gives NDSU a lot of visibility in this field," he said. "My students at NDSU worked under a 15-year grant to measure more than 600 reference data sets for minerals, ceramics, metals and organic chemicals. This award also recognizes their excellent work."

During the conference, McCarthy helped run the first council meeting of the International X-Ray Analysis Society. He serves as treasurer of the professional society.

McCarthy; Dean Grier, lecturer/research assistant and manager of the Materials Characterization Laboratory; NDSU students Stephanie Lerach, Renee Peterson and Eric Jarabek; and Governor's School student Jordan Sand also presented a paper titled "Effects of Structure Choice on Rietveld QXRD Results for Solid Solutions."

## Colliton named ASLA fellow

Dennis Colliton, associate professor and chair of architecture and landscape architecture, was recently elected as a fellow of the American Society of Landscape Architects. He will be recognized at a dinner and investiture ceremony Oct. 28 at the society's annual meeting and exposition in St. Louis.

Colliton, who was elected by a fellows jury in June, was among 25 people to be elected as a fellow. He was notified of his selection in a July 10 letter from Janice Cervelli Schach, ASLA president.

"It's a great honor for myself, but also having a fellow within a department is very good for the university," he said. "It is a great honor to be respected by one's peers in this fashion."

The honor is awarded based on such things as years of involvement in the society, professional service and the contribution of knowledge to the profession. Colliton was elected in the category of "Knowledge."

Colliton joined the NDSU in 1976. He earned his bachelor's degree from NDSU and his Master of Landscape Architecture from Cornell University, Ithaca, N.Y.

## Stewart received NSF grant

Mary Stewart, assistant professor of zoology, has received a three-year \$250,000 grant from the National Science Foundation. The focus of the grant is for Stewart to continue her work in studying cell growth and identifying some of the proteins involved in cell growth.

"I am certainly very pleased to receive the grant," Stewart said. "It was a nice surprise because there is no guarantee that a proposal will be reviewed favorably."

Stewart's basic research, which involves using molecular biology, classical genetics, mutagenesis screens and cell biology methods, is aimed at understanding how cells grow.

"Applications of this research may come in the future, but the work will certainly provide information that people who do applied research could think about and perhaps use," she said, noting that one potential application may be in cancer research. "How cells grow affects how cells divide, and this research could lead to information along that line."

Stewart joined the NDSU faculty in 1997. She earned her bachelor's degree from the University of Nebraska, Kearney, and her doctorate in biology at Kansas State University, Manhattan.

## Kalpna Katti awarded NSF grant

Kalpna Katti, assistant professor of civil engineering, recently was awarded a research grant by National Science Foundation to investigate the means of controlling mechanical properties in insitu hydroxyapatite(HAP)-polymer composites through a molecular control of interfaces.

"This research has important applications in the biomedical field for development of novel materials for bone replacement," Katti said.

The one-year, \$75,000 award is jointly funded by NSF and National Institutes of Health.

## Mahalingam presents research at technology conference

Ganapathy Mahalingam, assistant professor of architecture and landscape architecture, presented a paper titled "The Algorithmic Auditorium: Automating Auditorium Design" at the ACSA Technology Conference held at the Massachusetts Institute of Technology in July.

The paper, which focused on Mahalingam's ongoing research in the field of computer-aided architectural design, was presented in a session on acoustic simulation and modeling. The session organizer said the paper was an important contribution to an emerging area of interest that will have a significant impact on architectural education and practice in the future.

Mahalingam is developing computer-based tools that generate designs of auditoriums based on multiple performance criteria, the primary criterion being acoustics. He also is planning to develop additional computer-based tools to design other spaces such as school classrooms. Mahalingam said this research is at the forefront in developing automated tools for preliminary architectural design based on performance criteria.

The conference was organized by the Association of Collegiate Schools of Architecture and hosted by the School of Architecture and Planning at MIT.

## Staff Senate presents 'Campus Kudos' awards

Staff Senate recently created a new award called the "Campus Kudos" to recognize NDSU staff. According to Nancy Mueller, Staff Senate public relations chair, the award is a non-monetary certificate of appreciation for anyone on campus including students, staff and faculty.

"This certificate is issued as a heart-felt thank you for contributions to the campus and the people on campus," Mueller said. "Nominations will be taken once a month during Staff Senate meetings. Any number of nominations can be made during a meeting. There will be no forms to fill out or reviews of the nominees."

Nominations will be accepted at monthly meetings of the senate. Nominations will be voted on at the same meeting, and will require a unanimous vote for approval. Mueller said certificates will be presented to award recipients by the president of Staff Senate or the chair of the public relations committee, and the award winners' supervisor will be notified of the award.

Recipients of the award for the month of August are Lynn Dorn, director of women's athletics; Lonnie Hass, senior lecturer of mathematics; Paul Johnson, custodian; and Bud McMullen, ITS client services manager.

## Brotherson presents at conference

Sean E. Brotherson, assistant professor of child development and family science and extension family science specialist, was invited to give a presentation in July at the second annual World Family Policy Forum at Brigham Young University, Provo, Utah.

Brotherson presented a paper titled "The Normative Value of Law in Strengthening and Protecting Marriage" to a group of scholars, government officials, religious leaders and United Nations diplomats from around the world. The paper addressed the persuasive and symbolic functions of the law related to marriage across cultures. The conference brought together individuals and organizations who work on issues related to children and family at the international level, particularly the United Nations, and served as a forum for the discussion of shared concerns and interests.

Participants came from Pakistan, Jordan, Spain, Jamaica, Zimbabwe, Cameroon, Nigeria, Malaysia, Thailand, Nicaragua and Syria. In addition to his presentation, Brotherson helped facilitate discussions of family life education and family policy in the international context.

## Women's golf coach named

Lynn Dorn, director of Women's Athletics, recently named Jennifer Volkerding the NDSU head women's golf coach. Volkerding replaces Marilyn Barge, who resigned in June after serving as the coach for the program's first four seasons.

A native of Fargo, Volkerding is currently the assistant teaching professional at the Fargo Country Club. She previously served as a golf instructor with Resort Golf Schools and Academies in Scottsdale, Ariz.

"It's nice to be back in Fargo again. I'm looking forward to the opportunity of bringing up the competition level of the program, and helping the golfers improve on an individual basis as well as becoming a better team," Volkerding said.

Volkerding graduated from Arizona State University in 1999 with degrees in exercise science and business. The 1997 North Dakota State Women's Amateur champion, Volkerding was a two-time individual state champion for Fargo South in 1991 and 1992.

## Bromley published, receives grant

An article by Kim Bromley, assistant professor of art, was published in the June edition of the National Guild of Hypnotists' publication, the Journal of Hypnotism. In the article, "Hypnosis: Creativity Enhancement in the Classroom," Bromley discussed different teaching methods he uses in the art studio classroom and how hypnosis offers unique alternatives.

Bromley received training and his hypnotherapy certification from the National Guild of Hypnotists in August, 1999. In the past year he integrated hypnosis into his art studio classroom teaching. This month he is scheduled to present a paper on his use of hypnosis in the classroom and lead a creativity enhancement workshop at the guild's annual international conference in Nashua, N. H.

He also recently received a \$370 professional development grant from the North Dakota Council on the Arts.



## Events

### FrontLine Leadership set for Fall semester

The Division of Business and Finance and the Office of the President are sponsoring FrontLine Leadership, a management and supervisory leadership program, this fall. The 13 sessions will begin Thursday, Sept. 14 and end Dec. 14. The sessions are three-and-one-half hours in length.

The course is open to all managers and supervisors within the university, but does not cover issues specific to faculty. The following topics will be covered:

#### Core Interpersonal Skills:

- FrontLine Leadership: Your Role and the Basic Principles
- Giving Constructive Feedback
- Dealing with Emotional Behavior
- Recognizing Positive Results

#### Individual/Team Performance:

- Establishing Performance Expectations
- Taking Corrective Action
- Coaching for Optimal Performance
- Clarifying Team Roles and Responsibilities
- Resolving Team Conflicts

#### Organizational Impact:

- Confronting Issues with Your Manager and Peers
- Managing Change
- Solving Problems: The Basic Process
- NDSU/NDUS: Supervising in the Public Sector Environment

The FrontLine Leadership program has received positive feedback from nearly 150 NDSU employees who have completed the course.

For an application or information about funding to attend FrontLine Leadership, contact Jill Langston, 1-8961, in the Office of Human Resources.

### NDSU Field Days attract more than 3,200

More than 3,200 people attended field days at NDSU's Research Extension Centers in June and July.

"This is an example of the keen interest producers take in the work that we do," said Cole Gustafson, associate dean for research in the College of Agriculture. "It's also an opportunity for our faculty and staff to showcase their work and address questions directly from people we serve."

Most field days highlight crop research by showing plots and fields of new plant varieties and illustrating how experimental crop production techniques can thwart weeds, insects and diseases and boost production. Extension specialists use the field days to highlight new developments and trends.

Field day activities were held at the Agronomy Seed Farm near Casselton and Research Extension Centers at Carrington, Streeter, Dickinson, Hettinger, Langdon, Minot and Williston.

### Bison volleyball, soccer 'power lunch' set for Aug. 17

Faculty, staff and students are invited to eat lunch and visit with NDSU head volleyball coach Zaundra Bina and the 2000 Bison volleyball team, and NDSU head soccer coach Matt Townsend and the 2000 Bison soccer team from 11:45 a.m.-12:45 p.m. Thursday, Aug. 17, at the Bentson Bunker Fieldhouse.

The coaches and teams will be introduced at the event and the volleyball team will close out the session with a brief skill demonstration and intra-squad scrimmage. Fans may bring a brown bag lunch or purchase lunch for \$5 at the fieldhouse.

The volleyball team opens its season Aug. 25-26 at the University of Nebraska-Omaha Invitational in Omaha. The Bison return 10 letterwinners including three starters from last year's team that compiled a 29-4 record and advanced to the NCAA Division II Elite Eight tournament for the second straight season.

The soccer team opens its regular season Aug. 26 against Jamestown College on the first day of the FILA Dakota Cup. The Bison return 14 letterwinners and 10 starters from last year's 14-3-2 ballclub that advanced to the NCAA Division II tournament.

### NDSU, tribal colleges hold summer camp for American Indian students

Twenty six students from the Turtle Mountain Reservation schools attended a two-week summer camp at the Turtle Mountain Community College for Native American high school students June 18-30 as part of a collaborative project between North Dakota Tribal Colleges and NDSU.

Six NDSU faculty members representing the mathematics, science and engineering disciplines together with two Turtle Mountain faculty and four reservation high school teachers participated in the instruction. Four Tribal College students who attended an earlier summer camp at NDSU under the same collaborative project assisted in the conduct of the high school camp. The project is funded by the Office of Naval Research through June 30, 2002.

The camp included presentations and hands-on activities on various mathematics, science and engineering topics to motivate high school students to pursue college education in those areas. The camp concluded with a science and engineering fair activity in which students displayed their projects and posters to the instructors, parents and the public.

## Shorts and Reminders

### Positions Available

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

Secretary/#854/#1467  
Plant Sciences  
\$18,500 minimum/year  
Aug. 23

P.M. Cook/#1034  
(11 a.m.-7:30 p.m.; Wednesday-Sunday; off Monday and Tuesday)  
Dining Services - Residence Dining Center  
\$8.10/hour  
Aug. 9 (internal); Aug. 23 (external)

Coffee Barista/#3220  
Dining Services - Memorial Union Dining Center  
\$7.10/hour  
Aug. 3 (internal); Aug. 17 (external)

Pizza Artist/#1027  
Dining Services - Memorial Union Dining Center  
\$7.10 minimum/hour  
Aug. 10 (internal); Aug. 24 (external)

Baker's Helper/#1124  
(5 a.m.-1:30 p.m.; M-F; 10 months)  
Dining Services - Bakery Department  
\$6.75 minimum/hour  
Aug. 25 (internal); Sept. 1 (external)

Custodian/#644  
Physical Plant  
\$14,560/minimum/year  
Aug. 17 (internal); Aug. 30(external)

WWW Support Specialist/#0535  
NDSU Libraries  
\$23,000/year  
Aug. 15

Nutrition Education Assistant/#1980 – EFNEP  
NDSU Extension Service - Cass County  
\$7.21 minimum/hour  
Aug. 16

Nutrition Education Assistant – FNP  
(12 months; 20 hours per week)  
NDSU Extension Service - Cass County  
\$7.21 minimum/hour  
Aug. 16

Nutrition Education Assistant – FNP  
(12 months; 20 hours per week)  
NDSU Extension Service - Burke/Divide Counties  
\$7.21 minimum/hour  
Aug. 29

Health Information Technician/#4892  
(40 hours/week - 9 months; 20 hours/week - 3 months)  
Student Health Service  
\$11.24 minimum/hour  
Aug. 29

Linux/Java Computer Programmer/#5130  
Soil Science  
\$38,000 - \$50,000/year  
Aug. 15

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

## Research Opportunities

The NDSU Research Foundation is pleased to announce the availability of funds for the Research Development Support Program (RDSP). The purpose of the program is to stimulate additional scholarly activity at NDSU by assisting faculty in conducting their research plans. Proposals must be clearly research-oriented.

NDSU employees holding faculty rank (i.e., tenured, tenure-track, or special long-term appointment as it pertains to Experiment Station and Extension employees) are eligible to apply. There are no restrictions regarding a faculty member's former grant activity or length of time at NDSU. Applicants may request up to \$10,000 for expenses directly related to a research project. Awards will be announced following a competitive merit review process. Once awarded, funds will be available for one year. A final report is required.

Proposals must be submitted to the Research Administration Office, 201K Old Main, by 5 p.m. Friday, Sept. 15.

Several types of projects will be considered within this program: 1) Innovation Awards: for research and development projects that anticipate future patent or copyright activity and have commercial potential; and 2) Investment Awards: for preliminary research projects which are likely to lead to larger grants from outside sources in the future. Information about the RDSP is available on the Web at [www.ndsu.nodak.edu/ndsu/sizer/RDSP/rfp.html](http://www.ndsu.nodak.edu/ndsu/sizer/RDSP/rfp.html).

Proposal instructions also are available in hard copy form from the Research Administration Office. Questions should be directed to Kay Sizer at 1-7035, or [sizer@plains.nodak.edu](mailto:sizer@plains.nodak.edu).

## Calendar

### August

- 16 Plant Sciences—Boris Sagredo Diaz, "Mapping Insect Resistance Genes In Tetraploid Potatoes using AFLP markers," 3 p.m., Loftsgard 380
- 17 Plant Sciences—Jose Gonzalez-Andujar, "Modeling spatial weed population dynamics," 2:30 p.m., Loftsgard 380
- 26 Soccer vs. University of Mary, 2 p.m., Ellig Sports Complex
- 27 Soccer vs. Jamestown College, 2 p.m., Ellig Sports Complex
- 30 Volleyball vs. Northern State, 7 p.m., Bentson Bunker Fieldhouse
- 31 Football vs. Northern State, 7 p.m., Fargodome

### September

- 4 Labor Day, university closed
- 9 Football vs. Minnesota State-Moorhead, 7 p.m., Fargodome
- 9 Soccer vs. University of Minnesota-Duluth, 1 p.m., Ellig Sports Complex
- 15-16 NDSU Volleyball tournament
- 17 Soccer vs. Winona State, 1 p.m., Ellig Sports Complex
- 23 Soccer vs. University of North Dakota, 1 p.m., Ellig Sports Complex
- 23 Football vs. University of South Dakota, 7 p.m., Fargodome
- 24 Soccer vs. Truman State, 1 p.m., Ellig Sports Complex
- 30 Football vs. UND, 1:30 p.m., Fargodome
- 30 Soccer vs. Minnesota State-Mankato, 1 p.m., Ellig Sports Complex

### October

- 1 Soccer vs. St. Cloud State, 1 p.m., Ellig Sports Complex
- 6 Volleyball vs. South Dakota State, 7 p.m., Bentson Bunker Fieldhouse
- 7 Volleyball vs. Augustana College, 7 p.m., Bentson Bunker Fieldhouse

- 14 Homecoming football game vs. South Dakota State, 1:30 p.m., Fargodome
- 14 Soccer vs. Augustana College, 1 p.m., Ellig Sports Complex
- 15 Soccer vs. South Dakota State, 1 p.m., Ellig Sports Complex
- 24 Volleyball vs. UND, 7 p.m., Bentson Bunker Fieldhouse
- 27 Volleyball vs. University of South Dakota, 7 p.m., Bentson Bunker Fieldhouse
- 28 Volleyball vs. Morningside College, 7 p.m., Bentson Bunker Fieldhouse

### November

- 4 Harvest Bowl football game vs. University of Northern Colorado, 1:30 p.m., Fargodome
- 10 Veterans Day (observed), university closed
- 10 Volleyball vs. Northern Colorado
- 11 Volleyball vs. University of Nebraska
- 11 Football vs. Morningside College, 7 p.m., Fargodome
- 23 Thanksgiving, university closed

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