

## NDSU launches new look on the Web

NDSU's presence in cyberspace got an overhaul just in time for the turn of the century.

The NDSU Web site is now organized by users. The new categories include prospective students, undergraduate students, graduate students, alumni and friends and faculty and staff. Information is organized according to which type of user will be most likely to find it useful. For example, the prospective students category contains links to information on admissions, orientation, residence life and financial aid. Similarly, the links in the alumni and friends category are arranged according to that groups' interests, including athletics, the Alumni Association, continuing education and access to university news. Several links of general interest are repeated in all categories.

"I am pleased with the new look and believe it complements our efforts in student recruitment," said President Joe Chapman. "The design reflects our desire to put forward a consistent and professional look, both in printed materials, such as our view-book, and online communications. Organizing information by the needs of the user rather than an organizational chart will make the site more effective with all audiences."

## Alumnus presents NDSU \$2 million gift

NDSU has received one of the largest single private gifts in its history. Raymond Ehly Sr., a 1955 NDSU graduate from Blaine, Wash., has established a \$2 million charitable remainder unitrust through the NDSU Development Foundation.

This gift is in addition to a previous contribution to help fund the recently constructed Ehly Hall on the NDSU campus.

"Through his generosity Ray Ehly has demonstrated a strong commitment to higher education and future generations," said NDSU President Joseph Chapman. "Ray is a alumnus who has enjoyed a highly successful career and his gift will provide similar opportunities for engineering students for years to come. The university is deeply grateful."

The "NDSU Development Foundation Raymond Ehly Sr. Endowment Fund for Civil Engineering and Construction Management" will be used to support the general operations of the civil engineering and construction management department through such things as scholarships, faculty development and equipment.

Ehly earned a degree in civil engineering from NDSU, later pursued a career as a contractor and eventually became president of Asphalt, Inc., Moorhead. In 1969, he relocated the business to El Cajon, Calif. Now in semi-retirement, he and his wife, Joni, divide their time between their residence in Blaine, Wash., and vacationing in Borrego Springs, Calif., and San Jose Del Cabo, Mexico.

"I am proud and appreciative of the excellent tutelage I received at NDSU. The school means a lot to me," Ehly said. "I hope my gift will help students get started on their own roads to success. I also hope that they, in turn, will come back to assist the students who follow them."

During Homecoming 1999 festivities, Ehly Hall was dedicated in the NDSU College of Engineering and Architecture. Ehly contributed \$700,000 to the \$1.6 million project, which is the first NDSU academic building funded entirely with private contributions. The 14,800 square foot structure includes a materials and construction laboratory, library, study area, architectural studio space and an inter-active video classroom.

### **Blood drive set for Jan. 19**

An NDSU blood drive is scheduled for noon-3:30 p.m. Wednesday, Jan. 19. The mobile unit will be parked on the west side of the Memorial Union.

If you would like to donate, be sure to bring identification at the time of your donation.

To schedule an appointment, call Jill Langston in Human Resources at 1-8961.

### **Next Issue**

Publication date: Wednesday, Jan 19  
Submissions due: noon Jan. 13  
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## Alumni establish first Presidential Fellowship

It's an investment in people that is the first of its kind at NDSU.

Alumni Dr. Robert and Mary Ann Tucker, Brownsburg, Ind., have established a research fellowship endowment fund to assist graduate students in chemistry. Annual distributions from the "Dr. Robert and Mary Ann Tucker Presidential Research Fellowship Endowment Fund" will provide for a student's salary stipend, direct research expenses and research-related travel.

"This generous gift is truly an investment in people," said NDSU President Joseph Chapman, who has urged NDSU to work toward Carnegie Research II status, defined as 50 or more doctoral graduates and the generation of \$15.5 million to \$40 million in competitive federal research grants each year. "The Tuckers are the first of the President's Circle donor group to participate in this significant way to improve the university's graduate program. Through the efforts of the President's Circle, we will have tremendous flexibility to invest in people. NDSU is fortunate to have many fine research facilities—where we need to focus our enhancement efforts is in the recruiting and retention of the best faculty, scholars and researchers."

In addition to the monetary gift, Robert Tucker, recently retired, is serving as an adjunct professor. He plans extended visits to campus to share his work experience with the graduate student who receives the fellowship and to participate in research.

Tucker, a 1957 NDSU graduate in chemistry, also earned master's and doctoral degrees at Iowa State University. His career with Praxair Surface Technologies, Inc., Indianapolis, Ind., included a long tenure as the company's associate director of technology, followed by stints as the director of advanced research and development and director of business development. He also was a corporate fellow for many years.

"I've always had an interest in education and that feeling has grown over the years. I've taught many short courses around the country and the world, and have been an adjunct professor at the University of Illinois. To me, education and the university environment are very stimulating," Tucker said. "I'm retired and I want to keep active. In addition to consulting, I'd like to be involved in research and learn some more myself."

His wife, Mary Ann, received a bachelor's degree in chemistry from NDSU in 1961. She went on to earn a master's degree in chemistry from Iowa State University. She also earned a master's degree in business administration and a law degree from Indiana University. Her career included being vice president associate general counsel for B.F. Goodrich.

The Tuckers' hope is that the fellowship recipients will conduct research in materials chemistry, such as surface science or corrosion protection. Of particular interest are materials that combine polymers with inorganic materials such as metals or ceramics.

Gregory McCarthy, professor and chair of chemistry, said the gift will assist the department by increasing the number of graduate students. "Existing resources limit the number of graduate students we can support in our program. One way to increase the numbers, and help the university increase the

number of doctoral graduates, is to seek supplemental outside support. The Tuckers' gift is a crucial first step in this process," he said.

"Just as important is the chance for the student and the student's adviser to work closely with Dr. Tucker," McCarthy said. "He offers a rare combination of a scientist with decades of industrial experiences, who knows from continuous involvement how universities and graduate education work."

Craig Schnell, vice president for academic affairs, said the fellowship helps make NDSU more competitive on a national basis for gifted doctoral students. "By offering a stipend, we can attract quality graduate students," he said. "Also, it strengthens and builds our graduate program by taking us to the next level of development. The chemistry department has one of our premier graduate programs and this gift helps to maintain and build that program."

In giving of finances and his talents, Tucker said he is fulfilling an obligation to give something back to his alma mater. "Mary Ann and I feel we gained a lot from the university, so we should give back to it," he said.

Tucker also has a message for his fellow alumni. "There's room for others to do the same thing," he said.

The President's Circle, established by the NDSU Development Foundation, recognizes alumni and friends who give annual gifts of \$1,000 or more. It encourages and develops active participation and support of NDSU through a close association with the university's president and administrators.

President's Circle members are encouraged to support the Greater University Fund, which provides funding for such things as scholarships, student services, faculty development, technology and library enhancements. Members also may designate gifts to specific areas, including a college, academic unit, department or project.

## AL-Badri selected for first Tucker fellowship

NDSU graduate student Zoha AL-Badri was named the first recipient of the "Dr. Robert and Mary Ann Tucker Presidential Research Fellowship."

The second-year doctoral student is working with a research group led by Philip Boudjouk, Distinguished Professor of Chemistry. His research focuses on making ferrocene substituted silicon polymers. According to Boudjouk, "the goal of this research is to prepare thin films that can adhere to surfaces of any size or shape, and that conduct electricity with minimum resistance. In the short term, we hope to prepare materials that will sidetrack corrosion processes, which are largely electrical in nature, on aluminum surfaces in aircraft.

AL-Badri, a resident of Winnipeg, Canada, earned his bachelor's degree at the University of Winnipeg in 1998.

"Zoha is a particularly well-qualified recipient," said Gregory McCarthy, professor and chair of chemistry. "He has done very well at all aspects of the graduate program, as a teaching assistant, in courses and candidacy exams and in launching his research project. He is a hard worker, and will benefit significantly from the mentorship of Dr. Tucker in surface and materials chemistry."

## NDSU welcomes Y2K with no computer, physical plant problems

Nearly two years of planning and preparation paid off as NDSU has experienced no computer or physical plant problems related to the Y2K bug. Approximately 30 NDSU staff, including personnel from ITS, NDSU Police, Physical Plant and Residence Life were on duty New Year's Eve to ensure that any unanticipated problems were identified and corrected.

On the afternoon of Dec. 31, Information Technology Services staff shut down and backed up the 30 to 40 servers used on campus. Then, a few minutes after midnight, the systems and facilities were brought back online after being tested and verified. By 2:30 a.m. Jan. 1, all services were operational. A few temporary glitches were uncovered by ITS personnel, but they were not Y2K-related.

"We had a very detailed and organized plan, and we stuck to it," said James Ross, ITS associate director and Y2K Steering Committee co-chair. "People flew into action, carried out the plan and they were done before they knew it. It was fun and rewarding to see staff work so professionally."

Also on Dec. 31, NDSU police officers made two security sweeps of campus and Physical Plant personnel checked the heating and electrical systems of the university's buildings. Campus infrastructure services, such as the Symplex alarm system, elevators, heating plant system, digital control networks and card access systems, were examined and certified as operating normally.

"A lot of people had to chip in a lot of extra effort in our Y2K compliance struggle. I'm very proud of the effort by everyone because we rose to the occasion," said Mark Dahl, Physical Plant associate director and Y2K Steering Committee co-chair. "Everyone has extremely difficult jobs to do with their regular employment and then you add something like this on top of it. To be this successful, we can be proud of the effort put forth by everyone on campus."

President Joseph Chapman said, "I am sure that those people who gave up their New Year's Eve holiday to be on duty on campus would have preferred to be doing something else. Their efforts were very important to this campus and are much appreciated."

The hard work at NDSU and across the North Dakota University System also was acknowledged by Chancellor Larry Isaak. "Congratulations on a job wonderfully executed. I express my sincere appreciation and satisfaction with the smooth conversion to 2000," Isaak wrote. "I know there are some who think Y2K was over-hyped (including my own father!). However, I want each of you to know that this was a very important and necessary effort. Your efforts were needed and much appreciated. Thank you so very much."

Ross said he was pleased of the way the campus responded to Y2K issues, noting there were approximately 16 ITS personnel on duty at any time during the changeover and some project managers worked 22 straight hours. "Most of the people I talked with couldn't sleep the night before. They were excited, but not from dread. They wanted to get past this," he said. "People took this very seriously and overcame high levels of stress. People found ways to cope and they came to terms with a difficult problem."

Through the Y2K preparation process, people everywhere learned important new computer skills and worked together to solve problems, according to Ross. "The large lesson learned is that we gained control over a technology we believed controlled us. This was a real problem—don't let anybody tell you it wasn't. The reason we got over it is as that we gained new skills," he said. "I don't remember another peacetime effort that was worldwide in its scope. The world's community of technical people just got a lot larger because many people who went into Y2K believing they had no computer skills came out fixing the part of Y2K they had to deal with. Through this, technical people learned they can plan and execute, and everybody else learned they can do technology planning, too."

A report on the millennium transition is available on the World Wide Web at [www.ndsu.nodak.edu/y2k.ndsu/](http://www.ndsu.nodak.edu/y2k.ndsu/).

## Bison Endowment Awards announced

NDSU President Joseph Chapman has announced increases in three Bison Endowment Awards to support and enhance the engagement of the university with the city of Fargo and the state of North Dakota. Previously capped at \$5,000, each of the awards now carries a stipend of \$10,000, of which \$5,000 may be used for salary support.

Chapman made the announcement at the Dec. 13 meeting of the University Senate. "We have some opportunities for faculty in terms of economic development. We may be able to offer more than one award in each of the three categories, so I encourage faculty to submit proposals," said Chapman, noting the funding comes through support of principal donors and the President's Circle.

The "Ozbun Economic Development Award" is in recognition of the presidency of Jim Ozbun. It will be presented to an NDSU faculty member who, through their scholarly expertise, can assist the state in economic development. Possible projects include studying the impact of tourism relative to wildlife or fisheries and other related environmental issues, water movement of the Red River or work force evaluation of displaced farmers.

The "Efficiency in Government Award" sponsors studies to increase efficiency in state, county or city government. It is available to individuals or entities from NDSU or outside NDSU. Proposals are restricted to projects within North Dakota and all funds are to be spent in the state. Applicants should partner with individuals in government.

The "Community Projects Award" was established for the purpose of funding NDSU-sponsored studies for community betterment in the area of social concerns. Individuals or entities from NDSU or outside of NDSU may make proposals for community projects within the city of Fargo. Possible projects could include MADD, crime stoppers, student recycling program, service learning or graffiti removal.

Proposals are due to the Office of the President by Jan. 31.

## Policy Updates announced

The following policies have been added or revised over the past several months. To see the complete policy, go to [www.ndsu.nodak.edu/policy/](http://www.ndsu.nodak.edu/policy/).

### **Policy 100.1 - Nondiscrimination on the Basis of Disabilities and Reasonable Accommodation**

This new policy is an affirmation of the university's commitment to nondiscrimination on the basis of disability and to the provision of appropriate and reasonable accommodation.

### **Policy 121 - Hourly Rate Calculation**

Revision adds a section to describe the calculation for a partial month's pay and a more descriptive explanation for use of the hourly rate calculation.

### **Policy 155 - Alcohol and Other Drugs - Unlawful Use by Students, Faculty and Staff**

Revisions indicate the change in the Employee Assistance Program provider, incorporate information from the 1998 Higher Education Act Amendments and change word "alcoholism" to the phrase "chemical dependency."

### **Policy 168 - Reasonable Accommodation on the Basis of Disability - Guidelines for Employee Requests**

This new policy describes the process by which applicants for employment or current employees may request reasonable accommodation for a disability as defined by Section 504 of the Rehabilitation Act or the Americans with Disabilities Act. It also includes guidelines for the submission of documentation of disabilities and the retention of such documentation. These guidelines conform to the "Enforcement Guidance on Reasonable Accommodation" recently issued by the EEOC.

### **Policy 169 - Employee Misuse of Property Reports**

This new policy reflects one of the recommendations of the State Auditor that NDSU should have a policy informing employees that there will not be reprisals for reporting misuse of state property [policy follows North Dakota Century Code § 34-11.1-04].

### **Policy 172 - Travel**

Revision includes the update of out-of-state meal rates and in-state lodging rates.

### **Policy 200 - Recruitment for Professional Staff Positions**

Revision reduces the number of staff positions for which a national search is required (a national search is still permitted and encouraged).

### **Policy 304 - Academic Staff and Administrative Positions Procedures for Filling**

Revision reflects the change in the hiring process to the use of forms in electronic format on the Web rather than in hard copy from the Equal Opportunity Office.

### **Policy 405 - Surplus Property**

These revisions clarify the handling of surplus property including the provision that all property that is to be scrapped or discarded must be handled through the surplus property rules.

### **Policy 514 - Personal Use of State Property**

This is a new policy that explains restrictions on private use of public property.

### **Policy 601 - Code of Student Behavior**

One change is to Section 6 ("Conflict Resolution and Enforcement Procedures for Conflicts by Student Organizations and Affiliated University Groups") and addresses behavioral records of student organizations as they pertain to FERPA regulations. The second change is to Section 10.7.1.a. ("Appeal Procedures") and provides that a complainant "may appeal a disciplinary nonaction/action/sanction only when the charges involve allegations of a sexual offense."

### **Policy 719**

The new policy establishes the university's policy on internal auditing and specifies that the internal auditor reports directly to the university president.

In addition to the policy changes noted above the following policies have had minor editorial revisions including those related to the change to the broadbanding system: Policies 124, 126, 130, 231.

## ND EPSCoR requests preproposals for NIH program

The National Institutes of Health recently instituted an EPSCoR-like program, called Centers of Biomedical Research Excellence (COBRE) for Puerto Rico and 23 states, including North Dakota.

Each of the 24 jurisdictions will be allowed to submit two proposals requesting up to \$1.5 million per year for up to five years for direct costs. Indirect costs are allowed. NIH is expecting to fund about 15 of these proposals. The proposals should have a "center" administrative model and a research theme featuring three to five projects. The NIH pre-publication document and the ND EPSCoR request for proposals are available on the ND EPSCoR Web site at [www.ndsu.nodak.edu/epscor/rfp.html](http://www.ndsu.nodak.edu/epscor/rfp.html).

The North Dakota EPSCoR Steering Committee is soliciting preproposals for this program. The deadline is Jan. 25. An external panel will review the preproposals and make recommendations to the steering committee for the two preproposals to go forward to the NIH.

A "Letter of Intent to Submit," which will include the titles of the two proposals selected, will be sent to NIH by the steering committee before Feb. 10.

Full proposals are due at NIH on March 8.

#### **Preproposal format:**

- NIH cover page
- two pages for the research plan (see the announcement)
- one page for each research project, maximum of five
- two-page vita for each participating PI
- current and pending support for each participating PI
- and a budget section, including budget details on NIH budget forms (initial budget period and entire proposed period) and a budget justification (following NIH guidelines) that makes clear the institutional commitment (see the announcement) to the project.

The ND EPSCoR Steering Committee will host at least one briefing session on this NIH program on each campus in January.

## NDSU sees increase in total research funding

Fiscal year 1999 was a very good year for research funding at NDSU, according to the "Annual Report of External Funding," recently published by the Office of Research Administration. External funding dollars received by NDSU totaled nearly \$24.5 million, an increase of 19 percent from fiscal year 1998.

Federal agencies awarded 72 percent of the funding, while state funds accounted for 10 percent, private and public foundations provided 1.4 percent and industry supplied 5.1 percent of the grant monies. Miscellaneous sources, including commodity groups, other universities, research centers and non-profit organizations, awarded 11.5 percent of the funding.

Additionally, the total number of submission dollars or requested funds increased to approximately \$87 million, a 17 percent increase from the previous year.

Edna T. Holm, coordinator of Office of Research Administration, credits "the excellence of the faculty and staff" at NDSU with such success in external funding. Approximately \$13 million of funding received was used directly for research. Other uses included \$2.5 million for instruction, \$6.5 million for service, \$700,000 for equipment, \$200,000 for construction, \$111,000 for fellowships and \$1.5 million for other expenses.

The annual report is based on the records compiled by the Office of Research Administration, as well as additional information from the Office of Restricted Fund Accounting and the Agriculture Budget Office. The information reported represents grant or contract fund initiation and fund increases for the period of July 1, 1998, through June 30, 1999.

## Graduate School, colleges earn high marks from alumni

Graduates gave high marks to the NDSU Graduate School and the six colleges that offer advanced degrees in a survey conducted in September. It is the first such survey completed for the Graduate School.

The North Dakota State Data Center and the Center for Social Research at NDSU conducted the telephone survey of alumni who earned a master's degree, an educational specialist degree or a doctorate at NDSU between 1994 and 1999. Of the 393 respondents, 95.6 percent said they were either very satisfied (53.7 percent) or satisfied (41.9 percent) with their graduate experience.

"It's very clear that NDSU is doing the job in terms of graduate education, and that has to be attributed to the faculty," said William Slanger, interim dean of the Graduate School. "This is a substantiation that we have a solid base from which to move to the Carnegie Doctoral/Research I classification that President Chapman has set as a goal for the university community."

In addition to ranking their overall graduate experiences, alumni responded to questions in five areas: admissions, advising, curriculum, the disquisition writing process and the welcome they received at NDSU and in the Fargo-Moorhead community.

Graduates gave each of the six colleges high ratings, and responses did not differ significantly between students who earned a master's degree, an educational specialist degree or a doctorate. The experience was equally positive among women and men, those who were United States citizens when they entered graduate school and those who were not (11.6 percent).

Nearly all respondents are now engaged in paid employment related to their graduate training. Of those, 52.5 percent said that training prepared them very well for their employment and 29.9 percent said it prepared them fairly well.

Slanger said the survey highlighted some services and aspects of the graduate experience that need improvement. He plans to meet with deans of the six colleges and the Graduate Council to outline areas of strength and weakness, then will forward a report to the vice president for academic affairs.

## April 5 deadline set for staff senate scholarships

The deadline for NDSU classified staff and children of NDSU classified staff scholarships is Monday, April 3.

To be eligible for the scholarship for classified staff, the applicant must be a classified staff member employed by NDSU for a minimum of one year; be pursuing an undergraduate or graduate degree program enrolled with a minimum of three credits at the time of application and during the time of actual disbursement; and must be at least a sophomore with a cumulative grade point average of 2.5 or better.

To be eligible for the scholarship for children of NDSU classified staff, the applicant must be a child of a classified staff member employed by NDSU for a minimum of one year; be pursuing an undergraduate degree program; must have earned a minimum of 15 semester credits at NDSU by the application date with a cumulative grade point average of 2.5 or better; and must be enrolled for at least six credits at the time of application and at the time of disbursement.

Application forms are available in the Financial Aid Office, Ceres 202. Selections will be made prior to fall semester and checks will be disbursed in equal installments at the beginning of the fall and spring semesters.

## People

### Frohberg honored by grain growers

Richard Frohberg, professor of plant sciences, was recently honored by the North Dakota Grain Growers Association. He received the "Honorary Kernel," an award which recognizes "outstanding service rendered to the wheat industry in North Dakota."

The honor was presented at the association's annual meeting in conjunction with the Prairie Grains Conference and Exposition held Dec. 7 in Fargo.

"I was pleased to receive this recognition from the North Dakota grain growers, who represent the wheat producers of the state that my research is intended to serve," he said.

Frohberg joined the faculty at NDSU in 1964.

## Founder of Germans from Russia Heritage Society dies

Armand Bauer, a former professor at NDSU and a founder of the Germans from Russia Heritage Society, died Dec. 12, in Bismarck. He was 75.

After serving in the U.S. Naval Reserve, Bauer received his bachelor's and master's degrees from NDSU and his doctorate in soil science from Colorado State University. Bauer spent his career working with problems of water and wheat and soil fertility. After teaching at NDSU, he worked as a research scientist with the Great Plains Research Center near Mandan.

He was interested in genealogy and was one of the founders of the Germans from Russia Heritage Society. He remained active in this organization throughout his life, including 25 years as editor of numerous society publications and translator of a book on Russian-German settlements in the United States.

Michael Miller, Germans from Russia bibliographer, worked with Bauer. "Armand Bauer was a longtime mentor, colleague and friend when I began at NDSU in 1967," Miller said. "The Germans from Russia community has experienced the loss of a dedicated person preserving the rich heritage of these Dakota people."

## Reynolds collection to be featured on PPTV

The Emily P. Reynolds Historic Costume Collection and Ann Braaten, senior lecturer of apparel, textiles and interior design and collection curator, will be featured on Prairie Public Television's "Plains Talk" at 7:30 p.m. Thursday, Jan. 20, and re-broadcast at 5:30 p.m. Saturday, Jan. 22. The collection is housed in NDSU's Department of Apparel, Textiles and Interior Design in the College of Human Development and Education.

The collection includes more than 5,000 pieces of clothing and items used in the home. It features a wide variety of items from dresses and hats to accordions and irons. It also houses an international doll collection.

"Prairie Public Television reaches across the state and the collection serves as a record of people from the entire state," said Braaten. "It is a great way to let North Dakotans know about what the collection is all about. We have items from the west and central portions of North Dakota, as well as from up and down the Red River Valley."

## Boudjouk named EPSCoR board chair



**Boudjouk**

Philip Boudjouk, Distinguished Professor of Chemistry and project director for the North Dakota Experimental Program to Stimulate Competitive Research (EPSCoR), has been elected to a two-year term as board chair of the Coalition of EPSCoR States.

EPSCoR is a competitive national program focused on enhancing the research infrastructures in 19 states and Puerto Rico. The EPSCoR states are Alabama, Alaska, Arkansas, Idaho, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, Nevada, North Dakota, Oklahoma, South Carolina, South Dakota, West Virginia, Wyoming and Vermont.

"It is humbling, yet gratifying to be in a leadership position," Boudjouk said. "Being named chair raises the profile of North Dakota among this important group of states. It allows a state like North Dakota to bring our own case forward and those of other EPSCoR states to develop an environment at the federal level to improve the research competitiveness in these states."

Eight federal agencies have budgeted more than \$170 million in fiscal 2000 for the program. The agencies involved are the National Science Foundation, National Institutes of Health, Department of Defense, Department of Energy, National Aeronautics and Space Agency, Environmental Protection Agency and Department of Commerce.

"It has been a very successful program," Boudjouk explained. "Less than 10 years ago funding was less than \$10 million, so there has been a dramatic growth."

Boudjouk joined the NDSU faculty in 1973 and has been the project director of North Dakota EPSCoR since 1992.

## Sellnow to serve as journal editor



**Sellnow**

Deanna Sellnow, associate professor of communication, was recently elected to serve a three-year post as editor for the Basic Communication Course Annual. It is a national-level refereed journal and is published once per year. The journal features research focused directly on the basic communication course.

Sellnow is the basic course director for the communication department, so the journal is closely tied to her research interests and duties at NDSU. "Given the line of teaching and research I do here at NDSU, it's an honor and a privilege to be a part of this journal and consequently play a role in shaping the future research related to the basic course," she said.

## Katti and Katti present at conference

Dinesh Katti, associate professor of civil engineering, and Kalpana Katti, assistant professor of civil engineering, presented the paper "Three Dimensional Finite Element Modeling of Microstructural Development of Nacre in Seashells and Implication on Mineralization of CaCO<sub>3</sub>" at the Materials Research Society's 1999 annual fall meeting in Boston in December.

The paper dealt with numerical modeling of mechanical response of laminated biocomposites to loading. The finite element model incorporates microstructural and nanomechanical properties of the organic and inorganic components of the biocomposite. This work provides insight into organic-inorganic interfaces and mechanisms of biomineralization in the biocomposites.

Kalpna Katti joined the faculty in November. She previously worked at NDSU as a post-doctoral fellow in the polymers and coatings department. She received her bachelor's degree in physics from the University of New Delhi, India; her master's degree in physics from the Indian Institute of Technology, Kanpur, India; and her doctorate in materials science and engineering from the University of Washington, Seattle.

## Ruebke selected to Academic All-America team

NDSU volleyball setter Janna Ruebke was selected to the 1999 GTE College Division Volleyball Academic All-America 3rd team by members of the College Sports Information Directors of America.

Ruebke is the second NDSU volleyball player named to the prestigious honor squad—joining two-time selection Jeni Jost (1994-95)—and the 11th Bison female student-athlete overall. She maintains a 3.82 grade point average while majoring in pharmacy.

“In her career, Janna has been everything a coach in any sport program could ask for. She has really been great to work with,” said head coach Zandra Bina.

Ruebke, a senior from Ada, Minn., completed her career by leading the Bison to a second straight North Central Conference and NCAA Elite Eight tournament appearance.

A three-time Academic All-NCC and GTE Academic All-District VII first team pick, she finished her career ranked No. 3 in assists (4,220) and No. 10 in digs (1,002) on the NDSU ledger. She was the fourth setter in Bison history to top 4,000 assists in a career.

## Engineering students attend transportation conference

Engineering students Scott Schneider, Harold Langowski, Aaron Vacek and Eric Bach were selected to attend the 39th annual Transportation Research Board meeting in Washington, D.C., Jan. 8-13. The Upper Great Plains Transportation Institute sponsored the students, who were selected from the NDSU chapter of the Institute of Transportation Engineers based on chapter involvement and interest in transportation and traffic engineering. This is the second year members have attended the meeting, which provides information on research and new technologies in the transportation industry.

Students in NDSU's chapter of the organization also have many events planned for the upcoming semester. They will be going on a field trip to Minneapolis to visit SRF Consulting and will be conducting a pedestrian study for the City of Fargo. Amiy Varma, associate professor of civil engineering, is the chapter adviser.

## Physics student selected for McNair Scholars program

NDSU junior Cherish Brown has been selected to participate in the McNair Scholars program. A physics major with minors in geology and mathematics, Brown plans to pursue a doctorate in geophysics and specialize in geophysics or planetary science research.

Each McNair Scholar is supported by a faculty and library mentor. Richard Hammond, professor and chair of physics, is Brown's faculty mentor and Lura Joseph is her library mentor.

The McNair Scholars program was named after Ronald E. McNair, a member of the Challenger space shuttle crew. The NDSU McNair Scholars program, one of the original 14 programs in the nations, has been on campus since 1989. The program is funded by the U.S. Department of Education and is administered by the Office of TRIO Programs in the Division of Student Affairs.

Brown is the daughter of Terry and Roxanne Bauer, West Fargo,

## Investment analysis class scores high in national competition

During the fall semester, the Investment Analysis and Management class, taught by Wm. Steven Smith, associate professor of finance, participated in a national competition involving a realistic stock market simulation called the Collegiate Investment Challenge.

Prior to the competition, students were organized into several groups. The teams were provided with an imaginary \$500,000 account to use in simulated stock market trading, and the teams also were able to borrow up to an additional \$500,000 from a fictitious stock brokerage firm. Using their funds, the teams competed for nine weeks, selecting authentic and publicly traded common stocks and stock options and built and managed investment portfolios.

The competition's sponsor, Investment Challenge Corp., evaluated the performance of the portfolios at the end of the nine-week period. One team from NDSU was ranked fifth from a field of more than 800 teams. The overall performance of the class' seven teams also placed NDSU third among the approximately 50 colleges and universities involved in the competition.

The portfolios of five of the seven NDSU teams posted returns that exceeded the return to the Standard and Poor's 500 Index over the same time period. The return to, or percentage change in, this index is widely recognized in the investment community as a major economic indicator that reflects the performance of the United States stock market.

## Events

### Festival Concert Series to present Brave New Workshop Jan. 21

The Festival Concert Series at NDSU has scheduled "Brave New Workshop" to perform at 8 p.m. Friday, Jan. 21, in Festival Concert Hall.

The group is a satirical comedy troupe that was founded in 1958 by Dudley Riggs. It is the oldest theatre of its kind in the country. Original sketches and songs dealing with current events are performed in a variety of styles, all with the common undercurrent of humor. The cast also performs a set of improvisation after the scripted show, taking cues from the audience for a one-of-a-kind, "instant theatre" spectacle.

The Brave New Workshop has been seen by more than three million people. It began in New York City in the 1950s when Riggs, a former Ringling Brothers Barnum and Bailey Circus aerialist, formed the group from other circus and vaudeville performers. Alumni of the group have gone on to write, perform and produce for television programs including "MASH," "The Mary Tyler Moore Show" and "Saturday Night Live."

Tickets are \$13 for adults, \$10 for senior citizens and NDSU employees, \$6 for children and non-NDSU students and \$5 for NDSU students. Tickets are available through the Memorial Union Ticket Office and all TicketMaster locations.

### Canadian author, humorist to present Lecture in Regional Studies



**Marty**

Canadian author, singer-songwriter and poet Sid Marty will present "Leaning on the Wind and Falling off the Mountain" at 7:30 p.m. Wednesday, Jan. 19, in Beckwith Recital Hall. The lecture is part of the Lecture in Regional Studies: Lyceum of the Liberal Arts 1999-2000 series. A reception in the Alumni Center follows the lecture.

Also known as a historian, journalist, humorist, children's author, environmentalist and ex-Canadian National Parks ranger, Marty is a third-generation Albertan whose grandparents left Underwood, N.D., to homestead in the Palliser Triangle near Medicine Hat, Alberta, Canada.

His writings include "Men for the Mountains;" "A Grand and Fabulous Notion: The first Century of Canada's Parks;" "Leaning on the Wind: Under the Spell of the Great Chinook;" "Switchbacks: True Stories from the Rocky Mountains;" and several volumes of poetry. "Leaning on the Wind" won the second annual Banff Mountain Book Festival International Book Competition in the mountain environment and culture category, and "Switchbacks" recently won the Jon Whyte Award for Mountain Literature at the 1999 Banff Mountain Book Festival.

Taken as a whole, Marty's writings are an interweaving of native legends, pioneer tales, cowboy myths, wildlife stories and insights into the forces that have indelibly marked life on the great plains of Canada and the United States.

### Safety short courses offered

The Laboratory and Chemical Safety Short Course is scheduled to be offered at 1:30 p.m. Wednesday, Jan. 12, and 9 a.m. Tuesday, Jan. 18. Both sessions will be held in the Memorial Union Prairie Rose Room.

According to Steve Charlton, director of the NDSU Occupational Safety and Environmental Health Office, the course is required for all new NDSU technicians, graduate students and faculty when commencing laboratory activities or hazardous chemical usage.

Also upcoming is the radiation safety short course, "Laboratory Use of Radioactive Material," scheduled for 8 a.m. Tuesday, Jan. 25, in the Memorial Union Peace Garden Room.

The course, taught by Charlton, is designed for new or potential users of radioactive materials in laboratory or field applications. It also is a refresher course for people currently using radioactive materials. Topics include basic theory of radioactivity, biological interactions with radiation, radiation protection, minimizing exposure level, rules and regulations, safe handling, decontamination and laboratory procedures.

There is a \$25 fee for the course for workers from NDSU and cooperative agreement institutions, while the charge is \$50 for non-NDSU participants. To register, call 1-7759.

### Safflower convention set for 2001

The Fifth International Safflower Conference is scheduled for July 23-27, 2001, in Williston, N.D., and Sidney, Mont. The conference will deal with all aspects of the safflower, including production, research and development, processing and marketing. Previous sites for the event have been in Italy, China, India and California.

The conference is co-sponsored by NDSU, Montana State University, the U.S. Department of Agriculture/Agriculture Research Service, the American Society of Agronomy, Crop Science Society of America and the Food and Agriculture Organization.

The conference will run as a series of consecutive sessions; there will be no concurrent sessions. Therefore, the number of presentations will be limited. For registration, submission and deadline information, go to [www.sidney.ars.usda.gov/state/saffcon](http://www.sidney.ars.usda.gov/state/saffcon). The Web site will be the primary source of information for the conference and any mailings will be made only upon request.

### Agricultural engineering show planned

The 52nd annual Agricultural Engineering Show is scheduled for 9 a.m.-4 p.m. Saturday, Feb. 19, in the Agricultural and Biosystems Engineering building. The show, which will have the theme "Planting a Seed for the Future," is organized by students enrolled in the agricultural and biosystems engineering program and the agricultural systems management program.

Ann Zehrer, show co-ambassador, describes the event as similar in format to a farm show. She said projects are presented by students to inform visitors about new technology in the agricultural fields. Presenters also will answer questions from the public regarding their projects.



## Women's Week shirt orders due Jan. 21

Orders for this year's Women's Week shirts are being taken until Friday, Jan. 21. These shirts are available only on a pre-order, prepaid basis. Long sleeved henleys, night shirts and tunic sweatshirts will be offered in a variety of sizes. Shirt samples are available at the Memorial Union Art Gallery for those who would like to see the shirts or try them on before ordering.

This year's design and ordering information are available on the Web at [www.ndsu.nodak.edu/equal\\_opportunity/shirt.html](http://www.ndsu.nodak.edu/equal_opportunity/shirt.html) or contact Karla Thoennes at [kthoenne@gvmail.nodak.edu](mailto:kthoenne@gvmail.nodak.edu) or 1-6255 or contact any of the following Women's Week planning committee members: Sue Andrews, Jen Bjorge, Ann Braaten, Ann Burnett, Peg Furshong, Tegan Henke, Beth Blanks Hindman, Kelli Hochhalter, Sandy Holbrook, Rachel Meier, Laura Oster-Aaland, Deanna Sellnow, Merideth Sherlin or Robyne Williams.

## Northern Crops Institute to offer international protocol workshop

The Northern Crops Institute, Fargo, is hosting an interactive workshop open to the public called "Protocol: A Competitive Advantage in International Business." It is scheduled for 9 a.m.-3 p.m. Thursday, Jan. 20, at the Ramada Plaza Suites and Conference Center, Fargo.

Workshop participants will learn practical ways to handle social and business situations encountered when hosting and interacting with international business leaders, government officials and foreign dignitaries.

Robert W. Frye, senior vice president and chief of protocol for PROTOCOL International, will lead the workshop. As the former chief of protocol for AT&T and Lucent Technologies, Frye has more than 25 years of experience in marketing and international business protocol. He has planned and directed more than 4,000 senior-level marketing visits worldwide for chief executive officers, boards of directors, ambassadors, chiefs of state, heads of government and royalty.

The workshop is designed to assist regional businesses that sell internationally, state and local government officials, agriculture commodity group leaders and meeting and event professionals in creating a distraction-free environment that allows all parties to focus on business issues and relationship building.

Participants will learn protocol for proper greetings, seating arrangements, gift giving, receiving lines, dining etiquette, working with interpreters and translators and overcoming cross cultural communications barriers. The workshop includes a four-course luncheon to demonstrate the practical issues surrounding formal executive meal design, management and implementation.

The cost of the workshop is \$100, which includes the luncheon. Group discounts for more than three registrations are available. The registration deadline is Jan. 14. For more information contact the Northern Crops Institute at 1-7736.

The Northern Crops Institute is an international center based at NDSU for meeting and learning about northern-grown crops, and is funded through state-appropriations and commodity check-off groups from North Dakota, South Dakota, Minnesota and Montana.

## Cynthia Leung to present Women's Studies symposium



Cynthia Leung, assistant professor of education, will present the first spring semester Women's Studies Symposia. Her talk, "Literary Responses of Native American Middle School Students to Ethnic Texts," is scheduled for 3:30 p.m. Thursday, Jan. 27, in Loftsgard 380.

### Leung

Leung will argue that few fictional works for young adults realistically portray contemporary American Indians. Because of past stereotyping of American Indian cultures in movies and printed texts, some misconceptions about have been difficult to dispel. For example, many books about American Indians written for children and young adults feature historical themes. While many of these books are well written, young people in areas where there are few American Indians may come to think that American Indians still live as they did in the past. Leung believes that exposing young people to quality literature about contemporary American Indians will help them understand not only diverse cultures, but the experiences of contemporary American Indians.

Leung will present her research conducted with 7th and 8th graders at Circle of Nations/Wahpeton Indian School and funded through an NDSU Research Development Support Grant. Students at the school volunteered to be in a book club which explored young adult novels about contemporary American Indians. After reading the books, they shared their responses to the texts, discussed literary elements of the stories and gave their ideas on whether or not they thought the books realistically portrayed American Indian characters. Leung found that gender differences, personal interests, life experiences and tribal background influenced the students' responses.

Leung received her bachelor's and master's degrees in English and her doctorate in Curriculum and Instruction: Language and Literacy in Schooling from the University of Delaware. Before coming to NDSU, she taught English language and curriculum courses in teacher education programs at the Hong Kong Institute of Education. She also has taught English as a second language and literacy courses at the University of Delaware. At NDSU, she teaches the education course "Instructional Practices and Native Americans." Her research interests include the influence of ethnicity on literary responses.

Women's Studies Symposia are open to the public. For more information contact Cynthia Leung at 1-7103. Anyone needing special assistance at the event should contact Kathleen Slobin, director of Women's Studies, at 1-8939 prior to the symposium.

## Gourmet group plans organizational meeting

The Galloping Gourmet Club is planning an organizational meeting at 5 p.m. Monday, Jan. 24, in Burgum-FLC 319. The club will provide an opportunity for members of the NDSU community to dine out on a monthly basis with others from the university. Group members choose different eating establishments each month, and there may be occasional opportunities to try some out-of-town places.

To learn more about the club, attend the meeting or contact Prakash Mathew at 1-7559 or Karla Thoennes at 1-6255. All members of the university community are invited to participate.

## Shorts and Reminders

### Positions Available

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

Administrative Assistant  
Vice President for Academic Affairs  
\$20,000+/year  
Jan. 12

Administrative Secretary/#1872  
Extension Food and Nutrition  
\$17,000 minimum/year  
Jan. 14

Data Entry/General Office Clerk/#0686  
Registrar's Office  
\$16,500+/year  
Jan. 18

Meal Service Coordinator/#1027  
(11:30 a.m.-8 p.m.; Tuesday-Saturday)  
Dining Services - Residence Dining Center  
\$7.10 minimum/hour  
Jan. 26

Cook/#1042  
12-month position; Monday-Friday; 5:30 a.m. - 2 p.m.;  
occasional weekends)  
Dining Services - Residence Dining Center  
\$7.60/hour  
Jan. 12

Electrician/#0970  
Physical Plant  
\$30,000+/year  
Jan. 21

Carpenter/#1191  
Physical Plant  
\$24,960 minimum/year  
Jan. 26

Athletic Equipment Technician/#0209  
Athletics  
\$17,500+/year  
Jan. 12

Lab Technician/#1528  
Vet and Micro Sciences  
\$22,500 minimum/year  
Jan. 13

Food Technologist/#1621  
Food and Nutrition/AES  
\$28,000 minimum/year  
Jan. 15

Application Developer/#4621  
Information Technology Services  
\$30,000 minimum/year  
Jan. 21

Research Specialist  
Carrington Research/Extension Center  
\$28,000 minimum/year  
Jan. 25

Research Specialist  
Central Grasslands Research Center, Streeter, N.D.  
\$25,500/year  
March 1

Position openings also are available through the NDSU Web site at [www.nodak.edu/human-resources/](http://www.nodak.edu/human-resources/).

**Union Food Court specials**  
Jan. 12-19

**The Corner Deli**  
Wednesday: roast beef  
Thursday: ham  
Friday: turkey  
Monday: chicken  
Tuesday: pastrami  
Wednesday: roast beef

**More Than a Burger**  
Wednesday: breaded chicken  
Thursday: 1/4 lb. cheeseburger  
Friday: fish sandwich  
Monday: 1/4 lb. cheeseburger  
Tuesday: mushroom Swiss burger  
Wednesday: broiled chicken

**A La Carte**  
Wednesday: pasta bar  
Thursday: hand-carved turkey  
Friday: barbecued ribs  
Monday: barbecued beef  
Tuesday: hand-carved roast pork  
Wednesday: stir fry chicken

**Soup of the Day**  
Wednesday: vegetable  
Thursday: beef noodle  
Friday: knoefla  
Monday: beef barley  
Tuesday: vegetarian vegetable  
Wednesday: beer cheese

\*Items are subject to change without notice.

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

## Research Opportunities

The Office of Research Administration in Old Main 201K announces the following funding opportunities and deadlines. For more information, call 1-8114; or refer to the given Web site or contact person. For information about other grants, check the Research Administration Web site at [www.ndsu.nodak.edu/ndsu/sizer/resadmin.html](http://www.ndsu.nodak.edu/ndsu/sizer/resadmin.html) and click on "Funding Opportunities."

**North Dakota Soybean Council**  
**Contact: Ona Vig, 231-8528**  
**Deadline: Jan. 15**

The North Dakota Soybean Council (NDSC) is requesting proposals in the following five areas: improving North Dakota's value to producers, increasing producer profitability, increasing food usage of soybeans, increasing industrial demand for soybeans and health and consumer acceptance of soy products. The complete request for proposals is available from Ona Vig.

**Department of Agriculture (USDA)**  
**Higher Education Challenge Grants**  
**www.usda.gov**  
**Contact: Jeffery Gilmore, (202) 720-2211 or**  
**jjgilmore@reeusda.gov**  
**Deadline: Jan. 17 (letters of intent), Feb. 14 (applications)**

The Agriculture Department is inviting applications to improve postsecondary education in specific areas to strengthen the nation's food and agricultural scientific and professional workforce. Projects should have the potential for high impact, innovation, multidisciplinary effort and generating products and results. Projects must address one or more of the following: curricula design and materials development, faculty preparation and teacher enhancement, instruction delivery systems and student experiential learning. Land-grant and other U.S. colleges and universities offering a baccalaureate degree or first professional degree in at least one discipline or area of the food and agricultural sciences are eligible to apply.

**Consortium for Plant Biotechnology Research**  
**Energy from Biomass Competition**  
**www.cpbr.org**  
**Contact: Dr. Jean Tuech, (912) 638-4900 or cpbr@gate.net**  
**Deadline: Jan. 25 (preproposals)**

The Consortium for Plant Biotechnology Research, Inc. (CPBR) is inviting proposals for its 2001 Energy from Biomass Competition. Preproposals are requested for research that 1) involves plant biotechnology and 2) addresses industrial problems and opportunities related to energy from biomass. Research areas include agrochemicals, biomass conversion, energy crop production, enabling biotechnologies, environmental issues, forest products, process applications and seeds. A detailed list of the specific research needs and issues is included in the full request for proposals.

**Department of Education**  
**Bilingual Education**  
**http://ocfo.ed.gov/fedreg.htm or www.ed.gov/news.html**  
**Contact: Lisa Catarineau, (202) 205-9907**  
**Deadline: Jan. 28**

The Education Department is inviting applications for grants to help states develop bilingual education programs at the local level and improve data collection limited to English proficient (LEP) populations and education statewide. States must use the funds to help local education agencies with program design, capacity building, assessment of student performance and program evaluation.

**National Science Foundation**  
**Biocomplexity**  
**www.nsf.gov**  
**Deadline: Jan. 31 (notice of intent), March 1 (proposals)**

The National Science Foundation (NSF) is inviting applications under the second year of a special environment-related initiative to support integrated research to understand and model complexity that arises from the interaction of biological, physical and social systems. In addition to supporting projects across NSF's discipline directorates from biological and social sciences to computer and mathematical science it will support special "incubator" activities to foster new collaborations, such as focused workshops, virtual meetings and other planning and development activities. NSF will fund research projects that directly explore nonlinearities, chaotic behavior, emergent phenomena or feedback within and between systems and/or across multiple components and time or space.

## Calendar

### January

- 13 Chemistry—Scott Bohle, University of Wyoming, "Chloroquine and the Heme detoxification pathway in Malaria," 3:45 p.m., Dunbar 152
- 13 Reception planned for "The Paintings of Wayne Tollefson," 4-6 p.m., Memorial Union Gallery
- 14 Animal and Range Sciences—G.W. Wettstein, "Divide and Conquer: A Super-Computing Paradigm for NDSU and the 1990s," 3 p.m., Hultz 104
- 14 Women's and men's basketball vs. Morningside, 6 p.m. and 8 p.m., Bison Sports Arena
- 15 Women's and Men's basketball vs. South Dakota, 6 p.m. and 8 p.m., Bison Sports Arena
- 17 Martin Luther King Jr. holiday, administrative offices closed, no classes
- 18 Administrative offices open, classes resume
- 19 Graduate School Orientation, 3:30 p.m., Memorial Union Meadowlark Room

19 Sid Marty, Canadian author, will present the Regional Studies Lecture, "Leaning on the Wind and Falling Off the Mountain," 7:30 p.m., Beckwith Recital Hall

20 Chemistry—Marc Snapper, Boston College, will present a seminar at 3:45 p.m. in Dunbar 152

20-Feb. 4 Student Print and Drawing Exhibition: Jason Moore, Reineke Visual Arts Gallery; reception scheduled 5-8 p.m., Jan. 21

21 Festival Concert Series presents Brave New Workshop, 8 p.m., Festival Concert Hall

22 Wrestling vs. Minnesota State-Mankato, 7:30 p.m., Bison Sports Arena

27 Chemistry—Keith Woerple, University of California-Irvine, will present a seminar at 3:45 p.m. in Dunbar 152

28 Women's and men's basketball vs. Augustana College, 6 p.m. and 8 p.m., Bison Sports Arena

29 Women's and men's basketball vs. South Dakota State, 6 p.m. and 8 p.m., Bison Sports Arena

## February

Through Feb. 2, "The Paintings of Wayne Tollefson," Memorial Union Gallery

2 Wrestling vs. Dickinson State, 7:30 p.m., Bison Sports Arena

3 Chemistry—William Shelver will present a seminar at 3:45 p.m. in Dunbar 152

3-25 NDSU Juried Student Art Exhibition, Reineke Visual Arts Gallery; reception 4 - 6 p.m., Feb. 3

4-25 The Memorial Union Gallery presents "Frje Echeverria: Figures;" reception: 4-6 p.m., Feb. 4

5 Wrestling vs. Nebraska-Omaha, 7:30 p.m., Bison Sports Arena

10 Chemistry—Shon Pulley, University of Missouri, will present a seminar at 3:45 p.m. in Dunbar 152

12 Wrestling vs. Augustana College, 7:30 p.m., Bison Sports Arena

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