

IT'S HAPPENING AT STATE

August 18, 1999
NDSU

Information being gathered on possible Division I switch

NDSU is among the schools considering a change from NCAA Division II athletics to Division I-AA. The biggest question is whether increased exposure for the university from a divisional switch would outweigh its costs.

Last week, Division I-AA Big Sky Conference Commissioner Doug Fullerton met in Fargo with officials from all 10 Division II North Central Conference universities to discuss moves to that conference.

"This is a first step in looking at the feasibility of Division I-AA sports and the potential for Division I hockey at NDSU," said Bob Entzion, director of athletics. "Any decision the campus makes should be based on the best possible data, so it is important to be asking a lot of questions now."

Fullerton said making a change to Division I-AA offers universities greater national exposure, noting that 70 percent of a university's exposure is for its athletic programs. One anticipated benefit from this is that it can increase enrollment for a school, since prospective students are more likely to consider a school if they are already familiar with it. In addition, Division I status can increase fund-raising opportunities, such as the \$100 million Engelstad gift centered around UND's Division I hockey program.

"If we want to progress from being a doctoral institution to a national research university, then every unit on this campus needs the opportunity to be the best it can be," said NDSU President Joe Chapman. "For athletics, the question is whether being the best means staying Division II or making the move to something else. Once we have gathered information, we can make an informed decision recognizing that this is a question for our entire state, not just our campus."

NDSU, tribal colleges collaborate in science, math effort

The NDSU College of Engineering and Architecture and North Dakota's five tribal colleges have announced a new collaborative effort to increase participation by Native American youth in mathematics, science and engineering.

Under the program, NDSU faculty, tribal college faculty and high school teachers will work to develop a series of student summer camps, Sunday academies, mentoring and scholarships. The intent is to prepare, nurture and retain Native American students for careers in mathematics, science and engineering.

"What we are really talking about is an attitude change, that science and math can be cool. The idea is to slowly open the eyes of the students so they see the opportunities," said Robert Pieri, co-principal investigator and professor and chair of mechanical engineering. "We want students to understand that science can be fun and math can be enjoyable. We want them to get enthusiastic about the professional options out there for those who choose that pathway."

The collaboration is funded through June 30, 2002, with a \$575,000 grant from the U.S. Navy, which is interested in increasing the number of engineers from under-represented groups. An additional \$700,000 is available for fiscal 2003-2004 if the project proves successful during its initial years.

NDSU Y2K Web site updated

The NDSU Y2K Steering Committee has added considerable functionality to the NDSU Y2K Web site. Please visit the new site at: www.ndsu.nodak.edu/cya/.

The most notable addition to the site is a tool to assist end-users in determining the compliance of their desktop software. The tool does not remediate desktop compliance issues, but draws information from a database of vendors' certifications based on search criteria that users specify.

Gallery to hold print and poster sale

The Memorial Union Gallery is sponsoring a fund-raising print and poster sale. It is planned for 9 a.m.-5 p.m. Aug. 23-26, in the Memorial Union Alumni Lounge and Gallery. The sale is open to the public, and major credit cards are accepted.

For more information contact Peg Furchong at 1-8239.

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The project will prepare students for the next level of their education. The high school component is designed to attract, recruit and prepare Native American students for entry into the tribal colleges, and then students who earn associate of science degrees would be encouraged to continue their education at a four-year institution such as NDSU. Scholarships are available at both the tribal colleges and NDSU.

"The tribal colleges approached NDSU and asked if they would work with us to develop this engineering proposal," said Carol Davis, co-principal investigator and vice president of Turtle Mountain Community College. "It is going to help us look at how we teach math and science at the tribal colleges. Our goal is to have students who will be successful in engineering, mathematics and science careers. To facilitate this, the program will address curriculum and course development."

G. Padmanabhan, co-principal investigator and professor and chair of civil engineering and construction, said, "As a leading university, NDSU felt it could collaborate with the tribal colleges in a program so Native American students could come through the system all the way from high school to the higher studies. In this effort, NDSU has a tremendous potential to contribute in terms of faculty and student mentoring. I'm thrilled about the possibilities."

Participating tribal colleges include Turtle Mountain Community College, Fort Berthold Community College, Cankdeska Cikana Community College, Sitting Bull College and United Tribes Technical College.

NDSU Career Center services go online

The NDSU Career Center unveiled its new state-of-the-art Internet services, Bison Employer Links and Bison Student Links, on Aug. 16.

"We are providing NDSU students and alumni with the best they can get with a registration process and access to career information and services," said Jill Wilkey, Career Center director. "There is a buffet of services a customer can tap into."

Registered students and graduates now have access to information on hundreds of available permanent positions and Cooperative Education opportunities. They can find out about campus visits by recruiters and place their resumes online for consideration by prospective employers.

Businesses, after registration and approval, can post job listings, company descriptions, provide on-campus interview schedules, pre-approve interviewees and query for resumes. Wilkey estimates 750 to 1,000 employers will participate during the first year of the service.

Available to customers through any computer site with Internet access, the system's goal is to provide quality service in an easy and efficient manner. "Students will be able to access this system 24 hours per day, seven days per week," said Kim Teske, Information Technology Services technician for the center. "We're very excited because it gives both students and employers a better way to connect with each other."

The new system can be accessed at www.ndsu.edu/career_center/.

Group Decision Center completes successful first year

NDSU's Group Decision Center has completed a highly successful first year of operation. Available for use by NDSU students, faculty and partners in the business community, the technology-based center has hosted 184 events since it opened in September 1998.

Located on the upper level of the Memorial Union, the GDC is a network of 24 laptop computers linked by GroupSystems software. The technology enables users to enter their ideas anonymously and simultaneously, giving participants an equal voice in a criticism-free environment as they work on problem solving and consensus building.

"The GDC's first year exceeded our expectations by 100 percent," said Don Galitz, center co-director. "It was received with enthusiasm by its users—students, faculty, administrators, our partners and community clients. It is very exciting."

The center's organizers anticipated classes and student organizations would use the facility about 50 times during the first year; instead there were 88 events. Likewise, the center expected about 14 sessions with administrators and faculty. In actuality, there were 56. During the first year, there were also 12 events for community partners, 10 designed for outreach projects and grant activity, 15 with community groups and three training sessions.

"People worked on everything from strategic planning to budgeting to teen issues. The imagination is the only limit to what can be discussed with this system," said Sharon Cobb, center co-director. "This is an effective and efficient way to reach consensus. We also found it helps to build bridges of strong communication between management and workers."

Cobb considers the center an important tool as NDSU programs and departments conduct outreach with the community and region, and said the center's equipment is mobile and has been used in Bismarck and other off-campus locations.

About 50 percent of the center's time is committed to NDSU students and their organizations, who may use the GDC at no charge. NDSU classes, faculty, administrators and student government also may use the center without cost. For off-campus groups, there is a charge of \$200 per hour.

Cargill is a major contributor to the center, while PRACS Institute, Dakota Heartland health Systems, Great Plains Software, Gate City Federal Savings Bank, Hewlett Packard, MeritCare Health Systems and Dakota Beverage Co. are community partners.

The GDC's Development Board includes Cobb; Galitz; Ed Deckard, plant sciences; John Helgeland, religion-history; Joe Latimer, management information systems; and Bud McMullen, Information Technology Services.

College facilitators who assist students and faculty with questions about the GDC and scheduling include Deckard, agriculture; Agnes Harrington, pharmacy; Tim Sellnow, arts, humanities and social sciences; Latimer, business administration; Elvin Isgrig, engineering and architecture; Jean Soderquist, human development and education; and Galitz, science and mathematics. Facilitators in the Office of the Vice President for Student Affairs are Robb Thibault and Janine Thull. Jean Ostrom-Blonigen, financial systems officer and internal auditor, also serves as a facilitator.

Institute for Regional Studies wins award for web project

The American Association for State and Local History will present the North Dakota Institute for Regional Studies with a certificate of commendation for its Historic Architecture Survey of Bowman County project Web site. The group's annual awards program is the most prestigious recognition for achievement in the preservation and interpretation of local, state and regional history. Awards will be presented to 100 organizations and individuals from the United States. Winners will be honored at a banquet during the association's annual meeting in Baltimore in October.

The association is a not-for-profit professional organization of individuals and institutions working to preserve and promote history. The awards program was initiated in 1945 to establish and encourage standards of excellence in the collection, preservation and interpretation of state and local history throughout America.

North Dakota EPSCoR awarded \$500,000 grant

North Dakota EPSCoR recently received a \$500,000 grant from the Environmental Protection Agency.

The grant will support both a research group focused on flood remediation studies led by David Tillota, University of North Dakota, and a research infrastructure improvement program managed by Philip Boudjouk, professor of chemistry at NDSU.

The infrastructure program is designed to increase the number of successful EPA research grants awarded to North Dakota. It will build on the existing successful ND EPSCoR models to train students in EPA-related areas, and it includes a tech transfer program.

The purpose of ND EPSCoR, a North Dakota University System program, is to make North Dakota more competitive nationally in science, engineering and mathematics research and development. Visit the ND EPSCoR web page at www.ndsu.nodak.edu/epscor to learn more.

Counseling office reaccredited

The NDSU Counseling and Disability Services center has been notified of its reaccreditation by the International Association of Counseling Services.

The center is reviewed annually by the association's University and College Counseling Center Accreditation Board, which also conducts on-site reviews every 10 years. The NDSU counseling center has been accredited for more than 25 years.

The center recently changed its name from the Center for Student Counseling and Personal Growth to Counseling and Disability Services. The office provides a comprehensive counseling service for students, consultation for faculty and staff and a comprehensive service for students with disabling conditions. Anyone interested in visiting the center may stop at Ceres 212 or call 1-7671.

Summer orientation successful; dates set for 2000

NDSU welcomed 1,657 students and 1,123 family members for summer orientation during late June and early July. The students and family members rated their orientation experience as very helpful. Orientation is an integral part of the overall enrollment management effort and the staff of Project Success appreciated the help from everyone who played a part in making it a positive experience for our new students and families.

Orientation dates for the year 2000 have been set. Two one-day transfer orientation programs are scheduled for June 26 and 27. Six two-day freshman orientation sessions are scheduled for June 28-29, 29-30, July 10-11, 11-12, 12-13, 13-14. Orientation questions or feedback can be directed to Laura Oster-Aaland at Project Success at 1-7750.

NDSU Development Foundation sets contribution, scholarship records

The NDSU Development Foundation reports another record year for fiscal 1999. Preliminary figures show 18,060 gifts totaled more than \$10.4 million, the seventh consecutive year that contributions surpassed the previous year. In addition, a new high of \$1.4 million was distributed in scholarships.

The market value of the foundation's endowment now stands at \$40 million, up from \$33 million one year ago.

"The generosity of NDSU's alumni and friends of NDSU is truly remarkable and greatly appreciated. Their loyalty helps keep NDSU a quality institution of higher learning," said Jim Miller, foundation executive director.

John Q. Paulsen, president of the foundation's board of trustees, said, "The need for private philanthropy for NDSU continues to grow dramatically and the response of our wonderful alumni and friends has been magnificent. As we embark upon a new area under the leadership of President Joseph Chapman, our gratitude goes out to all those who do so much on behalf of this great university."

The largest single donation was a \$2.8 million bequest from the late Walter B. and Helene Booth, Ormond Beach, Fla. The gift benefits the NDSU College of Engineering and Architecture.

Significant building projects during the fiscal year that received funds through the foundation include the North Central Research Extension Center at Minot, the new NDSU Alumni Center and the College of Engineering and Architecture's Ehly Hall, which is the first academic building on the NDSU campus funded entirely through private contributions.

Development Foundation program passes \$500,000 mark for first time

For the first time in its 16 years, the NDSU Development Foundation's "SU Calls from Campus" program surpassed the \$500,000 mark in pledges. More than 75 student employees helped raise a total of \$524,385 from alumni, parents and friends of NDSU. The previous record of \$487,600 was established during the 1997-98 fiscal year.

Calls were completed September through April, and students talked to more than 30,000 households. The calls were made for the Development Foundation's Century II Fund, which supports a variety of areas, including undesignated areas, Honor and Merit Scholarships, Bison Ambassadors, faculty awards and alumni and foundation events.

In addition to fundraising, the students also visit with alumni about current and upcoming events at NDSU and the latest happenings on campus.

The student phone calling program began in 1983 and raised \$34,000 in its first year. The calling program will move to the Alumni Center this fall and will start contacting alumni in mid-September.

People

Chapman elected to economic development board

NDSU President Joseph Chapman was recently elected to a three-year term on the board of the Fargo/Cass Country Economic Development Corporation.

The board, which meets monthly, is made up of about 25 members, many of whom are investors in the corporation. It works to bring primary sector business growth to the area and promotes retention and expansion of existing businesses.

NDSU internal auditor assigned to president's office

NDSU President Joseph A. Chapman announced Jean Ostrom-Blonigen, financial systems officer and internal auditor, was assigned to the Office of the President Aug. 1.

"The reason for this change is that the internal auditor position needs to be independent when reviewing the different divisions of the university and its operations," Chapman said. "This restructuring is consistent with the practices of many universities around the country and is consistent with sound management and auditing practices."

Ostrom-Blonigen has a bachelor's degree in accounting from Moorhead State University and a bachelor's degree in management information systems from NDSU. She also is a certified public accountant. Ostrom-Blonigen previously held a number of positions in the NDSU business and finance division.

Kress honored by University of Minnesota

Warren D. Kress, professor emeritus of geography, recently was honored with an alumni award in his name from the University of Minnesota.

Kress received the Department of Geography Warren D. Kress Distinguished Alumni Award at an awards day last spring. Although he knew an award had been named after him, Kress didn't know that he would be receiving the award himself.

"They gave the first one to me. It was a bit of a surprise," he said.

Kress received his bachelor's degree and his doctorate from the University of Minnesota. He also was a member of its geography faculty before coming to NDSU, and he has maintained strong ties to the university's geography department throughout his career.

He joined the faculty at NDSU in 1957 and retired and was named professor emeritus in 1991. That same year, he was honored with the Outstanding Service Award from the NDSU College of Humanities and Social Sciences. In 1995 the NDSU geosciences department opened the Warren Kress Geography Laboratory. The lab is an instructional and research facility for Geographic Information Systems.

Bierwagen named chair of polymers and coatings department



Bierwagen

Gordon Bierwagen, professor of polymers and coatings, has been named chair of the NDSU Department of Polymers and Coatings, according to Kevin McCaul, interim dean of science and mathematics. Bierwagen succeeds Marek Urban, who has accepted an endowed professorship at the University of Southern Mississippi, Hattiesburg.

"I am pleased to accept the position as chair of one of NDSU's best known departments," said Bierwagen, who joined the NDSU faculty in 1989. "I hope that I can help to continue and expand the teaching and research that the department has always done so well. I look forward to leading its work in the future."

Before coming to NDSU, Bierwagen was the director of research and development at the Avery Decorative Films Division, Schererville, Ind. Prior to that, he was a laboratory director and scientist for Sherwin-Williams Co., Chicago, and a chemist at the Battelle Memorial Institute, Columbus, Ohio.

Bierwagen earned his bachelor's degree from Valparaiso University, Valparaiso, Ind., and earned his doctorate in physical chemistry at Iowa State University, Ames. He is editor-in-chief of the international scientific journal *Progress in Organic Coatings*, was chair of the 1989 Gordon Research Conference on Coatings and Films and received the 1972 Roon Foundation Award.

Brewer named chair of entomology



Brewer

Gary Brewer, professor of entomology, has been named chair of the department.

Brewer has been serving as interim department chair since 1997. A NDSU faculty member since 1985, he previously was a research associate in the Department of Entomology at Kansas State University.

"Dr. Brewer has fine credentials, and had the unanimous support of the department on our choice," said David Rider, associate professor of entomology and chair of the search committee.

The new chair has taught many courses at NDSU, including biological insect control; plant resistance to insects; humans, insects, and the environment; readings in plant resistance to insects; and graduate seminar. He supervised seven students who completed their master's or doctorate and two postdoctoral trainees, and he currently supervises three graduate students.

Brewer's vitae lists 28 articles in refereed publications, four book chapters, 13 Extension bulletins and articles in non-refereed journals, and numerous abstracts and professional presentations. His professional memberships include Sigma Xi, the Entomological Society of America, the Kansas Entomological Society of America and the International Organization of Biological Control.

Brewer holds a bachelor's degree in zoology and a master's in entomology, both from the University of Nebraska. He earned his doctorate in entomology from Kansas State University.

Yazdani named interim chair of CME



Yazdani

Frank Yazdani, associate professor of civil engineering, has been named to a one-year interim chair position of the Construction Management and Engineering department.

Yazdani has been on the faculty at NDSU since 1989. He holds bachelor's and master's degrees from the University of Washington, and a doctorate degree from the University of

New Mexico. As a registered professional engineer in 14 states, Yazdani has been involved with the design and construction of numerous projects valued at more than \$250 million.

His research interests include damage mechanics and constitutive modeling of materials. His damage assessment research has ranged from construction materials, such as concrete and masonry, to the stress evaluation and micro-tearing in human arteries during a typical angioplasty surgery. His research results have been published in a number of national and international journals. He has received funding from the National Science Foundation, 3M, EPSCoR and others. Yazdani also is the 1996-97 recipient of the "Researcher of the Year Award" from the College of Engineering and Architecture at NDSU.

Walter visits ROTC camp

Joshua Walter, assistant professor of architecture, visited an Army Reserve Officers' Training Corps Advanced Camp in Fort Lewis, Wash., in July. He and about 170 other institutional representatives from colleges and universities from across the nation observed and participated in the camp, which focused on developing and evaluating leadership ability.

Training events included a field leadership reaction course, individual tactical training and a hand grenade assault course. The visit also included a tour of Madigan Army Medical Center.

Walter and other instructors from varying disciplines were volunteers who visited the camp as a method for the ROTC to raise awareness about itself and its participants.

The Army ROTC is the largest officer-generating organization in the American military with approximately 75 percent of all officers in the Army receiving their commissions through the program.

Johnson awarded legal master's degree

Rick Johnson, NDSU general counsel, recently was awarded the Master of Laws in Intellectual Property Law from the University of Houston Law Center, Houston. The degree included courses on patents, trademarks, copyrights, licensing, Internet law and international business transactions.

Johnson, who earned his bachelor's degree at NDSU in 1974 and his law degree at the University of North Dakota Law School, has been NDSU general counsel since 1990. He received a Bush Leadership Fellows grant to study intellectual property law at the Houston Law Center in 1996-97.

Padmanabhan presents paper at international conference

G. Padmanabhan, professor and chair of civil engineering, presented a paper in May titled "An Evaluation of ORP-Based Chlorination for Wastewater Treatment Effluent Disinfection" at the Water Environment Federation Conference "WEFTEC'99 Latin America," in Rio de Janeiro, Brazil.

The paper was co-authored by Don Richard, UND dean of engineering; D. TikkiSETTY, former NDSU civil engineering graduate student; Robert Zimmerman, NDSU civil engineering adjunct professor and the City of Moorhead superintendent of environmental systems; and Padmanabhan.

The research was conducted at the Moorhead wastewater treatment facility as part of TikkiSETTY's graduate research. About 800 participants from several countries attended the conference, including 40 from the United States.

Egeberg dies

Bonnie Egeberg, library associate, died July 14 at the age of 41.

She was born in Fargo and raised in Argusville. She received her bachelor's degree from NDSU in 1980 and began working at the NDSU Library in 1982.

She is survived by her parents, Duane and Merle Egeberg, a brother and two sisters.

Former NDSU wrestler running for Congress, to appear on 'Today' show

A former All-American wrestler at NDSU and World Wrestling Federation champion is hoping voters want another wrestler in the political arena. Bob Backlund, who won the NCAA College Division wrestling crown at 190 pounds in 1971, is running as a Republican candidate for the U.S. House of Representatives in Connecticut's 1st District.

Backlund is scheduled to appear on NBC's "Today" show on Aug. 23. He has already appeared on ABC's "Good Morning America Sunday" and in articles in USA Today and the New York Times.

The Princeton, Minn., native announced his candidacy in February and describes himself as a political outsider who focuses on education, drugs and crime.

Backlund, a two-time All-American for the Bison, joined professional wrestling after he left NDSU in 1972 and became the sport's "All-American Boy." When he won the WWF title in 1978, he was known as "Mr. Clean" because he refused to grow his hair long, don outlandish costumes or wear face paint. He left the federation after losing his title in a controversial match in 1983.

He returned in 1994, and was the WWF's presidential candidate in 1996. Backlund says his candidacy was for real until federation owner Vincent K. McMahon Jr. realized he would have to give equal air time to all presidential candidates if he allowed Backlund to appear during events. The short-lived experience gave Backlund a taste for politics.

He volunteered for Bob Dole's 1996 presidential campaign and developed a 10-year plan for gaining political office. He said Jesse Ventura's victory in Minnesota cut that time down and opened the door for a congressional run in 2000.

"Politics and wrestling are both full-contact sports," Backlund said of his campaign against first-term Democratic Rep. John B. Larson. "The longer I'm involved in the political arena, the more I know that they're similar, they're almost the same business. There isn't anything they can do to me in politics that hasn't already been done to me in wrestling."

Veterinary faculty, students present at conferences, win awards

Graduate students from the department of veterinary and microbiological sciences recently participated in two national meetings. Students of Lisa Nolan, associate professor, Lynn Rust, and David White, both assistant professors, presented posters of their research results at the 99th annual meeting of the American Society for Microbiology, in Chicago in May.

The participants were Ronda Anderson, Rust's student; Steven Foley, Nolan's student; and Shana Petermann and Shauna Schmidt, White's students. Foley, a USDA doctoral fellow in the CMB/ID program, and Schmidt won top honors in their respective categories for their posters. They received the society's Awards of Special Merit for Excellence and travel awards.

Rust and Shelley Horne, a post-doctoral associate of Nolan, accompanied the students to the meeting.

Foley, Nolan and Horne presented their research results at the 136th annual meeting of the American Veterinary Medical Association in New Orleans in July. All received travel awards for their participation.

Charlie Stoltenow, an assistant professor in the department and an extension veterinarian, also attended the meeting as the North Dakota Veterinary Medical Association's alternate to the group's house of delegates. Concurrent to the meeting, he also successfully completed the boards of the American College of Veterinary Preventive Medicine to achieve Diplomate status.

Award named for Fischer

Gov. Ed Schafer has announced a new award in honor of Allan G. Fischer, former NDSU interim president and director of the North Dakota Governor's Schools in Business/Entrepreneurship, Laboratory Sciences and Mathematical Sciences. The announcement was made during Governor's School graduation ceremonies July 17.

The first Allan G. Fischer Award will be presented next summer to the student who best reflects the spirit of Governor's School by demonstrating dedication to their area of achievement, commitment to learning and social responsibility.

"Dr. Fischer is retiring from NDSU this summer and we want to recognize his dedication to the education of North Dakota's young people," Schafer said. "Dr. Fischer, I sure hope we can count on your support for the school in some form in the years to come. At NDSU and through the Governors' School, you have helped build a future for North Dakota."

Celebrating its 10th year in 1999, the school provided an intensive six-week learning experience for 58 high school students from 41 North Dakota communities. Previously focused on science and mathematics, the school offered business-related activities for the first time. It is open to North Dakota high school students who will be juniors or seniors in the fall.

Engineering students chosen for circuit design contest

A two-student team from the NDSU's electrical engineering department has been chosen to compete with 34 other prestigious schools in a national digital implementation contest.

Michael Rivard and Jared Pozarnsky, both seniors, will compete against teams from universities including Carnegie Mellon University; the University of Illinois, Urbana-Champaign; the University of California, Los Angeles; and the University of Southern California. The contest challenges students to design integrated circuits on silicon using copper wires 180 nanometers wide. The design submitted by NDSU is an ultra-fast, ultra-secure encryption circuit used for digital security systems.

The first phase of the competition began Aug. 15. Designs are submitted to a panel of judges, who will award up to five of the entries and their teams a \$20,000 award for their universities' integrated circuit design education programs.

Phase two of the contest begins during the spring 2000 semester. Design winners from phase one will enter their layouts for actual silicon fabrication, which will then be returned to the teams for testing and evaluation. After the teams submit measured performance data and a comparative discussion of their findings, an overall winning design will be selected.

The winners of the two phases will have the opportunity to present their designs at the TECHTON 2000 conference in Phoenix. A \$30,000 first place award and \$20,000 second place award will be presented. Part of the award will be given to the students and the remaining money will be used to support integrated circuit programs at the winning teams' universities. All rights to the designs will remain with the schools where they originated.

In connection to this project, Rivard and Pozarnsky have been working as interns for Dallas Semiconductor in Dallas.

"The company has been thrilled with the work they are doing," said Joel Jorgenson, assistant professor of electrical engineering. "They are the first electrical engineering students from NDSU to work there in quite a while. Because of their efforts, the company has decided to donate two UNIX workstations, valued at about \$10,000 each, and lease computer-aided design software, worth about \$250,000, to NDSU's electrical engineering department."

The contest is sponsored by the Semiconductor Research Group, Novellus Systems, Inc., the UMC Group and SpeedFam-IPEC.

NDSU students win award in engineering competition

The NDSU Student Engineering Branch of the Society for Engineering in Agricultural, Food and Biological Systems recently took first runner-up honors in the annual Equipment Manufacturers Institute Trophies Competition for branches of fewer than 33 members. The award is presented to the student branch that compiles the second most outstanding record of activities and achievements in the previous year.

The winning report was prepared by agricultural and biosystems engineering sophomores Dustin Hase and Karl Rockeman. Senior Lorri Loh served as the group's president. Advisers are Les Backer, associate professor of agricultural and biosystems engineering, and Tom Bon, senior lecturer of agricultural and biosystems engineering.

Earl Stegman, professor and chair of agricultural and biosystems engineering, received a plaque representing the honor during the society's international meeting in Toronto July 19.

This marks the 11th consecutive year the NDSU student branch has taken honors in the competition, including eight first place honors and three first runner-up awards. EMI, the major trade association for manufacturers of agricultural, industrial and construction equipment in North America, sponsors the annual competition.

Three students selected for McNair Scholars Program

Three NDSU students, Benjamin Peake, Sarah Carr and Jacob Velde, have been selected to participate in the McNair Scholars Program.

McNair Scholars are selected from NDSU undergraduates who meet the program criteria and show an aptitude and interest in agricultural, engineering, science, mathematics or pharmacy research. To be eligible for the program, McNair Scholars need to be income eligible, first-generation college students or from groups traditionally underrepresented at the graduate level for doctoral study. The scholars are encouraged to pursue careers in college teaching and research upon completion of the doctorate. An NDSU faculty member is assigned to mentor each scholar in the program.

Peake, a senior microbiology major with a chemistry minor, plans to go on to medical school and do research in epidemiology. His faculty mentor is Lisa Nolan, assistant professor of veterinary and microbiological science. Carr, a senior psychology major, plans to pursue a doctorate in clinical child psychology. Her faculty mentor is Joshua Smyth, assistant professor of psychology. Velde, a senior in agriculture and biosystems engineering, plans to earn a doctorate in his field. His faculty mentor is Lowell Disrud, assistant professor of agriculture and biosystems engineering.

In the story about McNair Scholars in the July 14 issue of It's Happening at State, faculty mentors were misidentified. Mark Nawrot, assistant professor of psychology, is the faculty mentor for Mike Weston, and Robert Sparks, associate professor of biochemistry, is the faculty mentor for Donald Klocke.

Events

Continuing Education to offer T'ai Chi Chih, computer classes

NDSU Continuing Education is planning to offer a T'ai Chi Chih class from 9-10 a.m. Wednesdays, Sept. 8 through Dec. 15 in the Fitness Studio Room 217 of the NDSU Family Life Center. Participants may receive one HPER 112 undergraduate credit for the course.

The class is based on the concept of joy through movement, and teaches a series of 20 physical movements that circulate and balance internal energy throughout the body and mind. All movements are done in a standing position, but also can be performed while seated. Potential benefits of regular practice include relaxation and stress reduction.

The cost of the course is \$106.92 for those receiving class credit, and \$75 for non-credit participants. The course will count toward credit totals for financial aid, but not toward the tuition cap.

Pre-registration is required, and course fees must be paid to NDSU Continuing Education. Fees are due at the first class session.

Continuing Education also is offering two computer classes in Visual Basic, which is a high-level software development tool for Microsoft Windows.

"About Comp197-Software Development in Visual Basic" will be offered from 6:15-7:30 p.m. Tuesdays and Thursdays, Aug. 24 through Dec. 17, in IACC 104. The course will provide an introduction to the Visual Basic design environment and core programming concepts. It is a course for individuals who have experience in a programming language who want an introduction to Visual Basic; it is assumed that participants will have experience in Windows 95/98 and programming language. Previous experience with Visual Basic is not necessary.

The second course, "About Comp396-Advanced Visual Basic," will be offered from 5-6:15 p.m. Tuesdays and Thursdays, Aug. 24 through Dec. 17, in IACC 104. The course will offer a series of progressive programming tasks to teach participants to design and build complex applications using Visual Basic.

Individuals should have at least two years of experience in programming at least one language or should have completed the first year of a computer science degree to enroll in the course. Some previous experience with Visual Basic is recommended.

The Visual Basic courses are both three-credit classes and each cost \$321. For more information on any of these courses, contact NDSU Continuing Education at 1-5376.

Barns of North Dakota featured in library gallery

The "Barns of North Dakota" exhibit is featured in the Lower Level Gallery of the NDSU Library through November 7. The exhibit is free and open to the public.

"Barns of North Dakota" showcases both the unusual and the typical in barn architecture through 21 panels of historic and contemporary photographs. Numerous artifacts illustrate the variety of building materials and inner workings. The exhibit includes all geographic areas of the state, highlighting German-Russian construction techniques in Emmons County to specialized potato barns in Walsh County to mail order barns in Divide County.

The exhibit was produced by the State Historical Society of North Dakota, Bismarck, in cooperation with the Minot Daily News and regional editor Eloise Ogden. For more information about the exhibit, contact Michael M. Miller, NDSU Library, at 1-8414 or by e-mail at mmmiller@badlands.nodak.edu.

Bison volleyball, soccer 'power lunch' set for Aug. 20

Head volleyball coach Zaundra Bina and head soccer coach Matt Townsend and their teams have scheduled a "power lunch" from 11:45 a.m.-12:45 p.m. Friday, Aug. 20, at the Bentson Bunker Fieldhouse.

Both coaches and their teams will be introduced and the volleyball team will close the session with a brief skill demonstration and intra-squad scrimmage.

Fans may bring their own brown bag lunch or purchase lunch at the fieldhouse for \$5.

The volleyball team begins its season Aug. 27-28 at the Northern Michigan University Invitational in Marquette, Mich. The team consists of 10 letterwinners and three starters from last year's team, which advanced to the NCAA Division II Elite Eight championship match and ended the season with a 33-4 record.

The soccer team opens its season Aug. 28-29 at the Bison Classic. Its first match will be against the University of Wisconsin-River Falls on the first day of the tournament. The Bison return 13 letterwinners and eight starters from last year's 11-5-1 team.

Excursion to arts festival planned

The Memorial Union Gallery is sponsoring a one-day trip to the Sidewalk Arts Festival in Sioux Falls, S.D., Saturday, Sept. 11. Participants in the excursion will have the opportunity to tour more than 400 booths and enjoy refreshments and entertainment throughout the day.

A visit to the Washington Pavilion of Arts and Science Visual Arts Center also is planned. The center is exhibiting a "Native Sons and Prairie Women" collection featuring the work of Harvey Dunn, Oscar Howe, L. Lova Jones, Ada Caldwell and Myra Miller.

The cost of the trip is \$12 for NDSU students and \$15 for all others; pre-registration is required. For more information contact Peg Furshong at 1-8239.

Counselor/#0560
Counseling and Disability Services
\$23,700+/year
Aug. 23

Food Technologist/#1437
Cereal Science
\$25,000+/year
Aug. 24

Riparian Forester/#4745
North Dakota Forest Service, Walhalla, N.D.
\$21,216 minimum/year
Sept. 1

Position openings also are available through the NDSU Web site at www.nodak.edu/human-resources/.

Shorts and Reminders

Open positions

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

Administrative Secretary/#1764 and 1956
Sioux County Extension, Fort Yates, N.D.
\$14,000 minimum/year
Aug. 23

Equipment Operator
Physical Plant
\$19,760 minimum/year
Aug. 31

Cook/#1093
12-month; M-F, with weekend rotation
10:30 a.m.-7 p.m. - during academic year
Dining Services - Union Dining Center
\$7.60/hour
Open until filled

Teacher Technician/#0047
Full-time, 9-month (August-May)
Child Development Family Science
\$1,276 minimum/month
Aug. 31

Legal Assistant (50%)
Office of General Counsel
\$1,200/month
Aug. 31

Library Associate/#0514
Library
\$18,072 minimum/year
Aug. 20

Service Center Assistant
(afternoons/evenings; M-F; may be adjusted to meet department needs)
Information Technology Services
\$21,386 minimum/year
Aug. 20

Union Food Court Specials, Aug. 23-27

The Corner Deli

Monday: chicken
Tuesday: roast beef
Wednesday: pastrami
Thursday: Italian combo
Friday: egg salad

More Than a Burger

Monday: cheeseburger
Tuesday: mushroom Swiss burger
Wednesday: broiled chicken
Thursday: hamburger
Friday: double cheeseburger

A La Carte (formerly Wok This Way)

Monday: hot ham and Swiss wraps
Tuesday: hand-carved roast beef
Wednesday: pasta bar
Thursday: hand-carved turkey
Friday: barbecued ribs

*Items are subject to change without notice.

Call the Dining Services Lunch Line at 1-9501 daily to check out the soup of the day and food court specials.

Questions or comments may be dropped in the suggestion boxes located in each dining center and the Union Food Court, or you can call Kim at the Union Dining Center and Catering office at 1-8122.

Calendar

August

- 23 On-site registration
- 23-26 Print and poster sale, 9-5 p.m., Alumni Lounge and Gallery
- 24 Classes begin
- 27 Psychology—Timothy R. Vollmer, Ph.D., Department of Psychology, University of Florida, "Response Independent Schedules as Treatment for Severe Behavior Disorders," 3:30-5 p.m., Minard 209

September

- 6 Labor Day holiday, administrative offices closed, no classes
- 11 Trip to Sidewalk Arts Festival, Sioux Falls, S.D.; for more information contact the Gallery at 1-8239
- 17 Peter Mayer concert, 7 p.m., Memorial Union Gallery; tickets available at the Memorial Union information desk
- 24 Robert Jones, assistant professor of music, faculty recital, 8 p.m., Beckwith Recital Hall
- 27-Oct. 6 Exhibit of American Institute of Architects, North Dakota chapter, Memorial Union Gallery; for information call 1-7900

October

- Through Oct. 6 exhibit of American Institute of Architects, North Dakota chapter, Memorial Union Gallery
- 8 Opening of "Walter Piehl: Sweethearts, Roping Fools and Cowgirl Suite" exhibit at the Memorial Union Gallery. Artist on-site painting Oct. 7 and 8, reception 4-6 p.m., Oct. 8. Exhibit runs through Nov. 10. For information call 1-8239
- 8 Blue Key Homecoming show, 7:30 p.m., Festival Concert Hall
- 8-9 Little Country Theatre presents "It Is So, If You Think So," 8 p.m., Askanase Auditorium
- 9 Homecoming, Gallery hours 10 a.m.-2 p.m.
- 14 Fall choral concert, 8 p.m., Festival Concert Hall
- 14-16 Little Country Theatre presents "It Is So, If You Think So," 8 p.m., Askanase Auditorium
- 18 High School Choral Festival concert, 7 p.m., Festival Concert Hall
- 22 Family Weekend, Gallery hours 9:30 a.m.-6 p.m.
- 22 Jazz Ensemble concert, 8 p.m., Festival Concert Hall

- 23 Community pumpkin carving festival, 1-4 p.m., Art Building
- 24 Gold Star Marching Band concert, 2 p.m., Festival Concert Hall
- 25 Advising week begins for spring semester

November

- Through Nov. 10 "Walter Piehl: Sweethearts, Roping Fools and Cowgirl Suite," Memorial Union Gallery; for information call 1-8239
- 1 Spring semester registration begins
- 3 Jazz Combos concert, 8 p.m., Beckwith Recital Hall
- 5 Heartland Brass Quintet concert, 7:30 p.m., Beckwith Recital Hall
- 11 Veteran's Day, administrative offices closed, no classes
- 12-13 Little Country Theatre presents "Oleanna," 8 p.m., Walsh Studio Theatre
- 18-20 Little Country Theatre presents "Oleanna," 8 p.m., Walsh Studio Theatre
- 25 Thanksgiving Day, administrative offices closed, no classes
- 26 Administrative offices open, no classes
- 29 Classes resume

December

- 3-5 Madrigal Dinners, 6:30 p.m., Festival Concert Hall, Grand Lobby
- 6 Tri-College Percussion Ensemble and Marimba Choir concert, 8 p.m., Festival Concert Hall
- 7 Jazz Ensemble and Jazz Lab Band concert, 8 p.m., Festival Concert Hall
- 8 Brass Ensemble and Gold Star Concert Band concert, 8 p.m., Festival Concert Hall
- 10 Annual Chili Feed and SAS Art Sale, 11:30 a.m.-1:30 p.m., Art Building
- 10 Annual Holiday Ceramic Sale, noon-6 p.m., Art Building
- 10 Last day of classes
- 12 Winter choral concert, 2 p.m., Festival Concert Hall
- 13-17 Final exams
- 20-Jan. 10 Winter recess, no classes

January

- 10 Orientation and registration for new and returning students

- 11 Classes begin
- 17 Martin Luther King Jr. holiday, administrative offices closed, no classes
- 18 Administrative offices open, classes resume

February

- 21 President's Day, administrative offices closed, no classes
- 22 Administrative offices open, classes resume

March

- 13-17 Spring break, no classes
- 22 Classes resume
- 27 Advising week begins for fall 1999 semester

April

- 3 Fall registration begins
- 21-24 Holiday/recess, no classes

May

- 5 Last day of classes
- 8-12 Final exams
- 13 Commencement
- 15 On-site registration for standard four-week summer courses
- 16 Classes begin
- 29 Memorial Day, administrative offices closed, no classes

June

- 9 Last day of four-week classes
- 12 On-site registration for standard eight-week summer courses
- 13 Classes begin

July

- 4 Independence Day, Administrative offices closed, no classes
- 5 Administrative offices open, classes resume

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