

## Alien Technology selects NDSU

Alien Technology Corp. has chosen North Dakota State University's Research and Technology Park to build a major high tech manufacturing plant. The announcement was made July 11 by Stav Prodromou, Alien's president and CEO.

"We are pleased to announce that after several months of study and a thorough evaluation of a number of sites, including Asia, we have chosen NDSU's Research and Technology Park," Prodromou said. "We are now in the detailed planning phases for the facility, but the exact size of the plant has yet to be determined."

The Morgan Hill, Calif., firm's plant will develop and manufacture "smart tags," which could revolutionize retailing and supply-chain management. Known as "Radio Frequency Identification" tags, the chips are affixed to products and information is collected by radio transmission. The plant could be in operation as early as 2005, with about 300 employees by 2006-07.

"This is a huge, positive event for NDSU, the state and the region," said NDSU President Joseph A. Chapman, who has committed the university to expanding region's economy through faculty and student research and development capacity. "NDSU has been working hard to develop the Research and Technology Park so that exciting announcements of this very type can occur. We are looking forward to working with Alien Technology to move this project ahead."

Gov. John Hoeven said, "Alien Technology represents exactly the kind of job creation we intended to stimulate with our Centers of Excellence initiative. We are truly excited about Alien Technology because the company brings cutting-edge technology, economic development and high-paying jobs to North Dakota."

The proposal to attract the firm to Fargo was compiled through the support and input of Hoeven, Sen. Byron Dorgan, the Fargo/Cass County Economic Development Corp., the North Dakota Department of Commerce, the North Dakota Development Fund, local banks, the City of Fargo, NDSU and the Bank of North Dakota.

The state's \$35.8 million package included low interest financing in two phases for equipment and building through the Bank of North Dakota, the North Dakota Development Fund, Growth Initiative Fund and a local bank consortium. Also included is a jobs training program through state and federal sources.

Prodromou said the company chose NDSU because it has a strong working relationship with the university's Center for Nanoscale Science and Engineering that began in 2000, when Dorgan connected the high-tech firm to NDSU by appropriating federal funds for micro-technology research. "We also see tremendous operation opportunities for us in Fargo," he said. "We envision our facility being an advanced manufacturing technology center."

The firm is a leading designer and manufacturer of "Radio Frequency Identification" products targeted at the emerging market for ultra-low cost and high volume wireless identification, transaction, tracking and sensor applications. Gillette Corp. recently signed a contract with Alien to buy up to 500 million "smart tags" for use in warehouse and retail applications. In addition, Wal-Mart has announced it intends to replace bar codes with the tiny transmitters.

### **IHAS deadline change**

The deadline for the Aug. 20 issue of "It's Happening at State" is noon Tuesday, Aug. 12.

### **Next Issue**

Publication date: Wednesday, Aug. 20  
Submissions due: noon Aug. 12  
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## Senate committee approves defense research funds

NDSU would receive \$52 million for national defense-related research under a bill approved by the Senate Appropriations Committee and sent to the full Senate. Sen. Byron Dorgan is a member of the committee, which approved funding for several national defense projects in a July 9 vote.

The funding will strengthen the nation's military while having a significant economic impact in North Dakota, Dorgan said in a press release.

"The funding I was able to secure will help us make substantial headway on our efforts to expand North Dakota's research and development infrastructure and draw the world's leading high tech firms to our state," Dorgan said.

The bill includes \$30 million for the Center for Nanoscale Science and Engineering to design and manufacture microsensors for high-priority national security needs and \$11 million for the center to continue a program to reduce the size, weight, power consumption and cost of advanced military wireless communications systems. The Department of Polymers and Coatings would receive \$8 million to continue a project that began in 2002 to test anti-corrosion and anti-fouling coatings and \$2 million for the department to develop a durable coating to protect aircraft against weathering and corrosion. There is also \$1 million for NDSU and the Air Force to continue to research ways to prevent corrosion in aging aircraft.

"This funding is tremendous because it helps us move still further on the national front with respect to the size and quality of the programs that we have at NDSU," said Phil Boudjouk, vice president for research, creative activities and technology transfer. "In several of the areas where the senator has helped us attain support we are now among the national leaders. That is especially true in the microsensor program, corrosion program and the anti-fouling program to keep barnacles off Navy ships."

Boudjouk added that his office has been informed that the anti-fouling program is the largest of its kind that is funded by the Navy.

## NDSU Libraries gains additional e-journal

NDSU now has access to the BioOne electronic journal collection.

BioOne is a full-text collection of 65 bioscience, environmental science and ecology research journals representing a collaboration between scientific societies, commercial publishers and libraries. The collection includes both current and archival issues.

Also available is "Online Issue Alert," an e-mail service that notifies researchers when new BioOne journal issues are published.

BioOne titles can be accessed from the e-journal link on the Libraries home page or from the online catalog. The collection is available from any campus location or through the "My Library" login on the Libraries home page. For more information, call the Reference Desk at 1-8886 or contact your subject librarian.

## Education doctorate approved

The State Board of Higher Education approved NDSU's education doctoral program during its June 26 meeting in Bottineau, N.D. The proposal, which calls for Doctor of Philosophy and Doctor of Education degrees, passed with a 5-3 vote.

"We anticipate a highly successful doctoral program in education," said President Joseph A. Chapman. "We are looking to an enrollment of about 20 students in the initial class. There is considerable growth potential in the coming years."

Craig Schnell, provost and vice president for academic affairs, said about 200 potential students have expressed interest in the NDSU degrees. "There is an expressed need in our area for these degrees, and we will meet that need," he said. "We expect the program to be well received because it addresses issues in many fields in addition to education, including industry, the military and business."

The program will include an institutional analysis option and an occupational and adult education option. The institutional analysis option, which is the first doctoral program of its kind offered in the nation, is designed for teachers and administrators who wish to be leaders in standards, curriculum, instruction and assessment. The occupational and adult education option is a community-based program that will address emerging research regarding entrepreneurial alternative deliveries to enhance education and training for employment.

The program means new wealth for the area, according to Virginia Clark Johnson, dean of human development and education.

Clark Johnson wrote an opinion letter that appeared in the June 13 issue of *The Forum*. "University research supports the discovery of new knowledge, of course. But it also provides funding for new graduate programs," she wrote. "At NDSU, in an entrepreneurial spirit, we have added 19 doctoral programs in the last three years and have asked for no new state funding for these programs. The expansion of our research endeavor has created new jobs, offered students new educational and career opportunities, and made our state more attractive to businesses looking to expand or relocate."

Schnell said the new program requires adding four new faculty positions during the next two years, as well as graduate assistantships. He said funding resources include tuition, development, endowment and institutional reallocation.

In addition, Schnell said the degrees fit NDSU's land-grant mission, noting that NDSU had previously been one of only three land-grant universities in the nation that did not offer an education doctorate.

The program is expected to start accepting students this fall.

## Research computing center approved

NDSU's Center for High Performance Computing, located at the NDSU Research and Technology Park, was approved by the State Board of Higher Education at its June meeting in Bottineau, N.D. Supported with \$1.5 million in federal funding championed by U.S. Sen. Byron Dorgan, the project was announced in April.

"I see the board's approval as a very, very positive step because it provides the recognition of being an established center within the state's university system," said Bonnie Neas, assistant vice president for federal government relations/Internet research. "It gives recognition to our effort to serve the advanced computational needs of scientists, whether local or worldwide, and it helps establish the center as an integral part of our research community."

According to Neas, the new center offers the potential for NDSU to do collaborative work with the federal government and the private sector. It is expected to provide the campus with the tools to compete for contracts with many federal agencies that need advanced computing systems to quickly and efficiently analyze information.

Part of the center's development will include the enhancement of the existing Beowulf cluster developed by NDSU faculty and Information Technology Service staff five years ago. The five-year plan for the center calls for a network of at least 256 desktop computers linked through parallel programming. With such a network, complex problems can be broken down to smaller elements, and results are much faster.

"Starting out, the center will be for NDSU scientists, but hopefully eventually, it will broaden out to provide advance computing services for those who need them, no matter where they are," Neas explained.

Some of the many services the center will provide researchers are modeling, simulation and visualization tools for areas such as road and bridge construction, robotics for the health care industry and microsensors for industrial and military sectors. It also will have software development for data mining applications for science and engineering, continued support for NDSU's nanotechnology, corrosion and microsensing projects. In addition, center users can design integrated circuits of any size, conduct research on the identification and control of potentially dangerous microorganisms and simulate complicated virtual environments.

## Summer session enrollment rises

Enrollment for the 2003 summer session is 2,903 students, up from last year's total of 2,863. The official figure was announced July 8, after the completion of the third week of classes.

The enrollment report says that 817 graduate students are enrolled for the summer session, while 23 students are attending college for the first time.

"We are pleased with the enrollment totals," said George Wallman, vice president for student affairs. "We have doubled the number of graduate students in recent years who are taking the summer session. In addition, since 1999, we have nearly doubled the number of first-time freshmen who are starting their college education in the summer."

According to the report, the enrollment by college includes 285 in the College of Agriculture, Food Systems and Natural Resources; 317 in the College of Arts, Humanities and Social Sciences; 378 in the College of Business Administration; 469 in the College of Engineering and Architecture; 568 in the College of Human Development and Education; 220 in the College of Pharmacy; 424 in the College of Science and Mathematics; and 189 in University Studies. Also included are 53 Tri-College students.

## Lawmakers approve 'Do Not Call List' legislation

Effective Aug. 1, North Dakotans may register their telephone numbers for a statewide "Do Not Call" list in order to prevent unwanted telephone solicitations.

Passed during the last legislative session, Senate Bill 2255 empowers the North Dakota attorney general to establish a "Do Not Call" list for telephone solicitations in North Dakota, according to Rick Johnson, NDSU general counsel.

"The attorney general's Web site is located at <https://www.ag.state.nd.us/nocall/nocall.htm>," Johnson said. "You can register your home phone number or cell phone numbers, but only if they have a 701 area code." Johnson noted that office telephone numbers are not eligible for inclusion on the list.

According to the site, registered numbers will remain on the list for five years, unless removed by the person to whom they are registered.

The Web site also indicates that telemarketers will be in violation if they call registered numbers more than 90 days after the number has been registered. For example, if a telephone number is registered prior to July 31, it will be a violation for a telemarketer to call the number after Nov. 1. For numbers registered after July 31, telemarketers calling the number will still have 90 days in which they still may call that number without violating the law.

"In addition, there are certain exceptions to the restrictions, and they are explained on the Web site," Johnson added. "One example is if you have given your written permission to be called. Another is if the caller has established a business relationship with you within 24 months before the call."

Johnson noted that the Federal Trade Commission also has established a national "Do Not Call" list that will become effective in July. North Dakota's "do not call" registrations will be shared with the FTC.

Minnesota residents can register numbers with Minnesota area codes at [http://165.193.128.51/DMS/nocall/nocall\\_register\\_start.asp](http://165.193.128.51/DMS/nocall/nocall_register_start.asp).

"In North Dakota, the Consumer Protection Division will enforce the law," Johnson added. "SB 2255 provides fairly significant penalties and also allows for private civil enforcement as well, including damages up to \$2,000 and an award of attorney's fees."

## Graduate School seeks interim dean

Craig Schnell, provost and vice president for academic affairs, has announced a search for an interim dean of the Graduate School for the 2003-04 academic year.

Preference will be given to individuals holding tenure and having experience with graduate programs, mentoring graduate students and demonstrated interpersonal and communication skills.

Interested persons are asked to send a letter to Schnell describing their experience, interpersonal/communication skills, three major issues the applicant feels the Graduate School should address and ways in which they would deal with those issues.

The deadline for applications or nominations is July 25.

## Political science, criminal justice departments merge

Effective July 1, the criminal justice program and the Department of Political Science merged to form the newly created Department of Criminal Justice and Political Science.

Kevin Thompson, associate dean of the Graduate School and professor of sociology, has been selected to lead the new department. Paul Nelson, who has served as chair of political science and communication for approximately two years, will resume his position as professor and chair of communication.

The new department is expected to relocate from its current location in Minard Hall to the former YWCA on 12th Avenue North in August.

## Germans officials to visit NDSU and North Dakota

NDSU will host guests from the Federal Ministry of Interior of Germany during their scheduled visit to North Dakota July 29-31. Jochen Welt, federal government commissioner; Klaus Poehle, director general; and Dr. Alexander Schumacher, administrative assistant, are expected to travel to Bismarck, Fargo and Germans from Russia communities in south central North Dakota.

Hosting the group in North Dakota will be Michael M. Miller, Germans from Russia bibliographer. Miller met with the German officials while he was in Bonn, Germany, on June 4.

Welt is a member of the Deutscher Bundestag and is responsible for ethnic Germans in the former Soviet Union immigrating to Germany. Since 1989, close to 3 million ethnic Germans have immigrated to Germany from Russia, Kazakhstan, Ukraine and other former Soviet states.

The German officials are interested to meet with university and state officials regarding small business incubator and economic development projects. They will meet with the Germans from Russia community to learn about how the ethnic group adapted to life in North Dakota.

The group travels to Bismarck to meet with Gov. John Hoeven and Lee Peterson, Commissioner of the Commerce Department. They will tour the Germans from Russia Heritage Society's new building and meet with members of the local German Russian community.

In south central North Dakota, the group will visit German Russian historic sites, including the Lawrence Welk homestead, Sts. Peter and Paul Catholic Church and an iron cross cemetery. State Sen. Robert Erbele will host the group at his buffalo ranch north of Lehr, N.D., and a gathering of German Russians will be at the historic Lehr Tabernacle campgrounds.

In Fargo, officials will visit NDSU's Research and Technology Park, the Northern Crops Institute and the Germans from Russia Heritage Collection. Staff at Prairie Public Television also will discuss cooperative documentary projects on the history and culture of the Germans from Russia.

From North Dakota, the German officials travel to the Los Angeles area where they will meet with German Russian families with roots to the central and northern plains states.

For more information, contact Miller at 1-8416 or [michael.miller@ndsu.nodak.edu](mailto:michael.miller@ndsu.nodak.edu).

## NDSU tops Division II women's basketball attendance

The NDSU women's basketball team was first in NCAA Division II attendance following the 2002-03 season and ranked 39th overall nationally among all NCAA schools, including Division I, II or III.

It is the 10th time the Bison have led Division II in women's basketball attendance since the NCAA began compiling attendance figures in 1983. NDSU set the Division II women's basketball attendance season average record of 3,971 in 1994.

NDSU attracted 44,885 spectators over 16 dates last season for an average of 2,805 per contest, and drew a season-high 6,507 fans to see the Bison defeat the University of North Dakota March 1.

"I think over the years we have established a solid base of loyal fans, who are there sincerely to support our basketball team. I really believe much of it is due to the fact we have local or regional athletes from North Dakota, Minnesota and South Dakota. It creates a success of ownership on the part of our audience too because they are 'their' players. They are true representatives," said NDSU head coach Amy Ruley. "I am pleased there are as many people who enjoy watching the kids play because I do think it's a fun game to watch. The way our kids compete makes it enjoyable."

## Network receives award

The national Extension Disaster Education Network (EDEN) has received a Secretary's Honor Award for Heroism and Emergency Response. The award was presented by Secretary of Agriculture Ann Veneman on June 13 in Washington, D.C.

EDEN consists of county, area and state extension professionals who share educational resources on emergency preparedness and recovery. The group was formed after the 1993 Mississippi and Missouri river flooding and currently focuses on terrorism education in addition to natural hazards.

Becky Koch, information specialist in agriculture communication, is the NDSU Extension Service representative and EDEN secretary.

## TV documentary wins award

"Recipes from Grandma's Kitchen: Food Traditions of the Germans from Russia" has won a 2003 Aurora Award, according to Robert Dambach, Prairie Public Television director of productions. The documentary received a Gold Award in the "Cooking Program" category.

The documentary was funded and produced by the Germans from Russia Heritage Collection, NDSU Libraries and the Germans from Russia Cultural Preservation Foundation.

The Aurora Awards is an international competition designed to recognize excellence in the film and video industries. Entries are judged on creativity, message effectiveness and technical excellence.

For information about the Germans from Russia Heritage Collection, cookbooks, videos and recipes, visit [www.lib.ndsu.nodak.edu/grhc](http://www.lib.ndsu.nodak.edu/grhc).

## Marriage and family therapy program accredited

The marriage and family therapy graduate program received six-year accreditation from the Commission on Accreditation for Marriage and Family Therapy Education. The commission granted the accreditation in April.

Each year the faculty must submit an annual report to COAMFTE to maintain full standing.

A unit of child development and family sciences, the program educates students in the field of marriage and family therapy. In addition to coursework, students also complete a 500-hour internship, at least half of which is conducted on campus in the Family Therapy Center, serving the Fargo-Moorhead and NDSU communities.

For more information on the marriage and family therapy program, contact program director Thomas Carlson, assistant professor of child development and family sciences, at 1-8279. For more information about the Family Therapy Center, call 1-8534.

## Tri-College Nursing Consortium receives national accreditation

The Tri-College Nursing Consortium has received national accreditation for its graduate and undergraduate nursing programs. The undergraduate program was accredited for a 10-year term and the graduate program for a five-year term by the Commission on Collegiate Nursing Education at its May 3 meeting. Both terms are the maximum allowed by commission policy.

According to Jane Giedt, consortium director and professor of nursing at Minnesota State University Moorhead, the decision was based on visits by the commission to Tri-College nursing departments in fall 2002. "This accreditation was dependent on close collaboration among school administrators and the nursing faculty, and provides another example of the successful partnerships of the TCU institutions," Giedt said.

President Joseph A. Chapman is chair of the Tri-College University board of directors. "For prospective students, accreditation is a public statement to the quality of the Tri-College nursing program," Chapman said. "Accreditation also is a milestone that illustrates the role the Tri-College can play in enabling students on three campuses to access collaborative educational programs."

TCU provost Nathan Davis acknowledged the cooperation and collaboration of the three nursing departments. "The new master's degree program offered by the nursing consortium is the first accredited program in TCU history that involves collaboration among all three institutions—NDSU, MSUM and Concordia College," he said.

Undergraduate students may choose between generic or RN nursing tracks leading to a bachelor's degree. Graduate students have three track options—clinical nurse specialist in adult health, family nurse practitioner or nurse educator.

## People

### Moberg named ITS director

Thomas Moberg, vice president and chief information officer, St. Louis University, St. Louis, has been named director of Information Technology Services, according to Craig Schnell, provost and vice president for academic affairs. Moberg began his new duties July 1.

"Dr. Moberg has the vision and experience to lead NDSU's efforts in the ever-changing and rapidly evolving world of information technology. We were fortunate to have four strong candidates as finalists for the position," Schnell said, commending the work of the search committee chaired by Charles Peterson, dean of pharmacy.

During Moberg's April 17 public presentation, "The Role of ITS in the 21st Century in a Land Grant Institution," he emphasized that ITS should be nimble and flexible, while focusing on strategic thinking and moving in step with the university. "We have choices to make, and we need a vision of where we are going," Moberg said. "In regards to technology and the university, our job is to do the best we can to support the educational mission."

Moberg, who also holds the title of professor of research methodology, joined St. Louis University in 1999. Previously, he was a special assistant to the president and vice president for information resources with the Association of American Medical Colleges, Washington, D.C. Prior to that, he held positions at Kenyon College, Gambier, Ohio; Grinnell College, Grinnell, Iowa; the University of Iowa, Iowa City; and the University of Minnesota-Duluth.

He earned his bachelor's degree at Bemidji State University, Bemidji, Minn., his master's degree in mathematics from NDSU and his doctorate in statistics from the University of Iowa.

### Fu receives NSF grant

Huirong Fu, assistant professor of computer science, has received National Science Foundation funding totaling \$199,921 for her proposal titled "CyberSecurity Capacity Building at North Dakota State University." Co-investigators are Kendall Nygard, professor and chair of computer science, and Michael Garrison, professor of management, marketing and finance.

According to Nygard, the grant will allow NDSU to take steps to become a recognized leader in the rapidly emerging area of computer and network security education.

### Pearson named University of Southern Indiana distinguished scholar

Judy C. Pearson, associate dean of the College of Arts, Humanities and Social Sciences and professor of communication, was named Distinguished Scholar of Arts and Sciences at the University of Southern Indiana, Evansville.

Pearson, who is president of the National Communication Association, received a cash award and gave the presentation "Communication and Community." Pearson earned her master's and doctoral degrees from Indiana University.

## Sharon Anderson to retire



Anderson

Sharon Anderson, extension director, is set to retire effective at the end of the year after 33 years with the NDSU extension office.

Anderson started with the extension service in 1970. She served as a district director, program leader for youth and family, 4-H youth development specialist and family and consumer science specialist. Anderson has been extension

director since January 1995.

Anderson served on the extension committee on organization and policy from 1996-99 and was chair in 1999. She has been on the national 4-H council board of trustees since 1997 and completed a term as vice chair in 2002. She was inducted into the national 4-H Hall of Fame in April.

Anderson plans to spend more time with family and do consulting work.

## Ambrosio invited to speak at Woodrow Wilson center

Thomas Ambrosio, assistant professor of political science, presented "Diaspora Communities: Influencing U.S. Foreign Policy" June 23 at the Woodrow Wilson International Center for Scholars, Washington, D.C.

Diaspora communities are those said to influence conflicts and help shape and influence discussions and disputes in their countries of origin through the provision of funds, dissemination of information, and efforts to influence the political climate and debate in their countries of origin and their adopted homes.

The center supports research in the social sciences and humanities. Established by an act of Congress in 1968, the center is the nation's official living memorial to President Woodrow Wilson. As a national leader and the only American president with a doctorate, Wilson felt strongly that the scholar and the policymaker were "engaged in a common enterprise."

More information is available at <http://wwics.si.edu>.

## Coles named College Female Athlete of the Year

NDSU hurdler Kinsey Coles was selected the 2002-03 College Female Athlete of the Year by the North Dakota Associated Press Sportscasters and Sportswriters Association.

In addition, the NDSU women's track and field team won the NDAPSSA female college team award for the second straight year. The Bison placed third at both the 2003 NCAA Division II Indoor and Outdoor Track and Field Championships. NDSU also claimed its fourth straight NCC Indoor and fifth consecutive NCC Outdoor Track and Field Championships under the direction of head coach Ryan Godfrey.

Coles, a junior from Hillsboro, N.D., won the 2003 NCAA Division II Outdoor 400-meter hurdles, and she also ran a leg on the national runner-up 1,600-meter relay team. The eight-time NCAA All-American was also named the United States Track Coaches Association North Central Region female track athlete of the year.

## Northern Crops Council elects new chair



Kaae

The Northern Crops Institute's governing board has announced the election of Brian Kaae, a producer from Dagmar, Mont., as chair of the Northern Crops Council. He represents the Montana Wheat and Barley Committee and served as vice chair of the council for the past year.

Kaae succeeds Sherwood Peterson, a producer from Baker, Minn., who served as council chair last year.

Matt Mechtel will take over as vice chair. A producer from Page, N.D., he was reappointed by the North Dakota Soybean Council to serve a second three-year term on the board.

New additions to the council include Mark Askegaard, Fargo, and Jim Burbidge, Mohall, N.D. The Minnesota Soybean Research and Promotion Council appointed Askegaard, and Burbidge was appointed to fill the permanent seat for the North Dakota Wheat Commission.

The Northern Crops Institute is funded by state appropriations from Minnesota, North Dakota and South Dakota, and commodity check-off funding in those three states and Montana. NCI supports regional agriculture and value-added processing by conducting educational and technical programs that expand and maintain domestic and international markets for northern-grown crops. NCI serves as a resource center for international and domestic buyers, trade teams and processors seeking technical information on northern-grown crops.

## Spiering named International Programs director

Craig Schnell, provost and vice president for academic affairs, announced June 18 that Kerri Spiering has been named director of the Office of International Programs. She had been serving as the office's interim director.

"A national search led to four strong finalists," Schnell said of the work of the search committee chaired by Thomas Riley, dean of arts, humanities and social sciences. "Kerri Spiering's work experience and her knowledge of the campus will provide us with opportunities to expand and enhance our international studies program."

Spiering was associate director of the office from 1997-2000, and assistant director from 1994-96. She holds a master's degree in international affairs from the American University, Washington, D.C.; a bachelor's degree from Wartburg College, Iowa; and is currently a doctoral candidate in communication at NDSU.

She is a member of NAFSA: Association of International Educators and is treasurer of Region IV. She is a member of the Association of International Education Administrators, and is the NDSU National Security Education Program campus representative.

The office provides leadership and support services, helping both international students coming to NDSU and American students seeking opportunities abroad.

## Sunsetters competes in solar race

NDSU's solar race team, the "Sunsetters," was scheduled to compete in the American Solar Challenge July 13-23. The team will trek 2,300 miles from Chicago to the Los Angeles area in a vehicle dubbed the "PrairieFire GT."

"The group is expecting to be among the top contenders," said Wayne Reitz, assistant professor of mechanical engineering and the Sunsetters' faculty adviser. "We've been able to raise funds and build a competitive car, so hopes are very high that we'll win, place or show in the stock class."

The racers use photovoltaic cells to convert sunlight into electricity to power their cars. The cars generally travel at highway speeds and are required to obey local speed limits. Designs for the vehicles are often low and sleek, with solar cells covering the car body.

The Sunsetters, a 25-member group of engineering students, have built a four-wheeled car that is 5 meters long by 1.8 meters wide by 1 meter high. Valued at about \$150,000, it is powered by an array of almost 700 solar cells and a series of 12-volt batteries.

"The students get to apply in a practical manner what they have learned within electrical engineering, mechanical engineering and business," Reitz said, noting the team also participated in the 2001 race. "The team members recognize the importance of finance because they have to do a lot of fundraising. They also learn interpersonal skills, and the officers have to keep people motivated."

About a dozen of the Sunsetters will participate in the race. The group's president and project manager is junior Lucas Graunke.

The event will start at Chicago's Museum of Science and Industry and finish in Claremont, Calif. It will follow much of Route 66, with checkpoints in Springfield, Ill.; Rolla, Mo.; Joplin, Mo.; Edmond, Okla.; Sayre, Okla.; Amarillo, Texas; Tucumcari, N.M.; Albuquerque, N.M.; Gallup, N.M.; Flagstaff, Ariz.; Kingman, Ariz.; and Barstow, Calif., before reaching the finish in Claremont. The U.S. Department of Energy and its National Renewable Energy Laboratory sponsor the race.

For more information on the NDSU team and to follow the team's performance during the race, visit [www.sunsetters.org](http://www.sunsetters.org) or contact Reitz at 1-9512 or Graunke at 1-3253. For a list of registered teams, visit [www.americansolarchallenge.org/](http://www.americansolarchallenge.org/).

## State DOT director to chair UGPTI advisory council

David Sprynczynatyk, director of the North Dakota Department of Transportation, has been elected to chair the Upper Great Plains Transportation Institute's advisory council. UGPTI, located on the NDSU campus, conducts research and education in the fields of transportation and logistics.

Sprynczynatyk was appointed to head the DOT by Gov. John Hoeven in 2001. He previously was a state engineer and an engineer and director of engineering for the state water commission. He also serves as president of the National Water Resources Association and on the boards of the North Dakota Water Education Foundation and the Western Association of State Highway and Transportation Officials. He is on the board of directors of the American Association of State Highway and Transportation Officials and chairs its highway committee.

He is a graduate of the U.S. Army War College, and is a brigadier general in the North Dakota Army National Guard and serves as assistant adjutant general.

Gene Griffin, transportation institute director, said, "Dave brings a new dimension of leadership to the advisory council. His background and present positions with the North Dakota DOT and AASHTO will serve North Dakota transportation and the institute well in the coming years."

He succeeds Dale Anderson as head of the UGPTI advisory council. Anderson served on the council representing the Greater North Dakota Association and stepped down from the position following his retirement as GNDA president in April. He started his career with GNDA in 1974 as leader for legislative and governmental affairs. He was named executive vice president in 1979 and president in 1981.

"Dale made significant contributions to the institute and transportation during his tenure as chairman," Griffin said. "He brought consensus building and teamwork to a new level on the council and was responsible for increasing the identity of the institute with state leaders."

According to Griffin, the 2003 state legislative session made some changes in the enabling legislation guiding UGPTI, including membership of the advisory council. The legislation calls for one representative each appointed by the Greater North Dakota Association, North Dakota Public Service Commission, North Dakota Farm Bureau, North Dakota Farmers Union, North Dakota Grain Growers Association, North Dakota Wheat Commission, North Dakota Department of Commerce, North Dakota Grain Dealers Association, North Dakota Motor Carriers Association, North Dakota Aeronautics Commission, North Dakota Department of Transportation, the North Dakota Agriculture Commissioner and the North Dakota Association of General Contractors. In addition, one member from the state's railway industry and one from the manufacturing sector are selected by the council.

Other changes by the legislature included the addition of logistics as a field of research for the institute and language stressing the influence of transportation issues on the socio-economic systems of the state, region and country.

## Okigbo article published



Okigbo

"Precision Public Relations: Facing the Demographic Challenge," by Charles Okigbo, professor of communication, and Sonya Nelson was published in the summer 2003 edition of *Public Relations Quarterly*.

The article addresses public issue management and the communication environment. It also analyzes the consequences and implications for public relations practice resulting from the fusion of journalism, advertising, marketing and public relations.

Okigbo teaches public relations and other communication courses at NDSU, and has graduate-level degrees in communication from Ohio University and Southern Illinois University. His articles have been published in international and regional journals of communication, and he has been a consultant to United Nations agencies, international nonprofit organizations and governments.

Nelson, an account executive at Jump Interactive, Fargo, has a master's degree in communication from NDSU.

## Professor emeritus dies

Cecil Dean Elliott, professor emeritus of architecture and landscape architecture, died June 16 at Meritcare Hospital, Fargo. He was 80.

Elliott was born Feb. 13, 1923, in Billings, Okla. He attended the University of Oklahoma, where he received a bachelor's degree in architectural engineering in 1944. He served in the U.S. Naval Reserves from 1944-1946. Upon his discharge, he returned to school, graduating from Harvard University School of Design in 1948 with a master's degree.

He was a professor of architecture at the University of Oklahoma, University of Minnesota, North Carolina State University, Auburn University, Oklahoma State University and University of Detroit. He came to NDSU in 1975, where he taught until his retirement in 1991. He served as department chair from 1975-88.

He was the author of two books "Technics and Architecture" and "The American Architect." He and Joel Goldstien also wrote "Designing America." He was licensed as an architect in North Carolina and Oklahoma. He was a past member of the American Institute of Architects.

He is survived by a brother, Ernest.

Memorials are preferred to the American Civil Liberties Union.

## Students take top honors at national leadership conference

Senior Kari Bitz, LaMoure, N.D., and sophomore Jason Suydam, Garrison, N.D., took first place honors in the Web site development category at the Phi Beta Lambda National Leadership Conference held recently in Dallas. The winning site is <http://ndsu-mis.busad.ndsu.nodak.edu/clubs/busn/>.

The award was part of an annual program sponsored by Future Business Leaders of America-Phi Beta Lambda Inc., a professional association for students pursuing business careers.

Participants in the Web development category were required to design a working Web site, including information about their chapter, university and Phi Beta Lambda's conference theme "Soaring to New Heights." Approximately 370 competed.

Bitz and Suydam are members of NDSU's Phi Beta Lambda chapter, the Business Club. The team took first place in the State Leadership Conference in April to earn the chance to compete at the national level.

Approximately 7,000 delegates participated in the four-day conference that included business and leadership training workshops and seminars, corporate tours and the election of national officers. FBLA-PBL members belong to more than 12,000 chapters, and include students from the United States, the Virgin Islands, Puerto Rico and Europe.

Bitz is the daughter of James and Connie Bitz. Suydam is the son of Barry and Cheryl Suydam.

## Events

### Third annual technology transfer workshop scheduled

The Office of Research, Creative Activities and Technology Transfer through its Center for Advanced Technology Transfer and Traineeships (CATT) has scheduled its third annual technology transfer workshop for graduate students and their faculty advisers. The workshop is planned for 7:30 a.m.-6 p.m. Friday, Aug. 15, in the NDSU Alumni Center.

"We are delighted at this opportunity for some of our top graduate students to spend a day with alumni experts discussing patenting, commercialization and entrepreneurship," said Gregory McCarthy, director and associate vice president of the Center for Nanoscale Science and Engineering and CATT director. "We expect to see much more student-focused tech transfer activity paralleling the growth of the NDSU Research and Technology Park."

Scheduled workshop facilitators include:

- Clinton Kopp, consultant and entrepreneur, Bismarck, N.D., and former vice president of research and development, Memtec Ltd., Windsor, Australia;
- Mary Ann Tucker, Tucker Law Offices and The Tucker Group, Brownsburg, Ind., and former vice president and associate general counsel, BF Goodrich, Akron, Ohio;
- Robert Tucker, The Tucker Group and adjunct professor of chemistry
- Gregory D. Gillispie, president, Dakota Technologies Inc., Fargo, and professor of chemistry;
- Michael Chambers, president, Aldevron LLC;
- Kirk Hartel, research scientist, Dakota Technologies Inc.;
- Dale Zetocha, executive director, NDSU Research Foundation and Technology Transfer Office;
- Dennis Anderson and Kevin Crawford, NDSU Licensing Associates.

Established in 2000, CATT has a mission to provide co-funded advanced technology traineeships linking companies with students, faculty and staff, and facilitate education in technology transfer. The CATT is funded by grants from the U.S. Department of Education. Philip Boudjouk, vice president for research, creative activities and technology transfer, initiated the CATT and obtained initial funding for its programs.

In July 2003, a total of 51 students from 13 disciplines were awarded technology transfer graduate traineeships. Trainees will receive an additional stipend of \$2,400 per year from CATT.

The traineeships are awarded to graduate students who are doing technology-based research on campus. Trainees attend the CATT workshop, conduct technology transfer training activities and establish links with one or more companies interested in their research. Many are expected to work with North Dakota technology companies.



## FrontLine Leadership program scheduled

The Office of the President and the Office of the Vice President for Business and Finance are set to sponsor FrontLine Leadership, a management and supervisory leadership program, Wednesday, Sept. 17-Thursdays, Dec. 11. Approximately 185 NDSU employees have completed the course.

The following topics are scheduled for the 13 sessions:

### Core Interpersonal Skills:

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

### Individual/Team Performance:

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

### Organizational Impact:

- Confronting Issues with Your Manager and Peers
- Managing Change
- Expressing Yourself: Presenting Your Thoughts and Ideas
- NDSU/NDUS: Supervising in the Public Sector Environment

The course is open to all managers and supervisors within the university, but does not cover issues specific to faculty. Each session runs 3.5 hours.

For an application or information about funding to attend FrontLine Leadership, contact Kelly Larson in human resources at 1-8961.

## 'School Days' exhibit on display

The exhibit "School Days in North Dakota" is scheduled through Oct. 19 on the NDSU Main Library's first floor.

The display provides a glimpse of the past, including such topics as the one-room rural schoolhouse, early consolidated schools, multiple-room brick buildings, teacher's responsibilities and student's activities. The display illustrates North Dakota's educational activities from the 1880s to the 1920s.

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

For more information, visit [www.ndsu.nodak.edu/collections/exhibits/school.php](http://www.ndsu.nodak.edu/collections/exhibits/school.php).

## Libraries to sponsor 10th Homeland Tour to Ukraine, Germany

The NDSU Libraries has announced the sponsorship of the "Journey to the Homeland: Germany and Ukraine Tour," scheduled for May 25-June 7, 2004.

The tour includes stops in Budapest, Hungary; Odessa, Ukraine; former Bessarabian, Black Sea and Crimean German villages; Stuttgart, Germany; and Alsace, France. Leading the tour will be Michael M. Miller, Germans from Russia bibliographer.

Additional information about the tour is located at [www.lib.ndsu.nodak.edu/grhc/outreach/journey/index.html](http://www.lib.ndsu.nodak.edu/grhc/outreach/journey/index.html).

For 2004 tour registration information, contact Miller at 1-8416 or [michael.miller@ndsu.nodak.edu](mailto:michael.miller@ndsu.nodak.edu).

## Distance and Continuing Education offers new online courses

The NDSU Office of Distance and Continuing Education has added five non-credit online courses.

"Travel Writing" is designed to include insight on the types of travel writing that sell, how to submit pieces to magazines and newspapers, where to find open markets and resources for travel writers.

"Write and Sell the Short Stuff" will demonstrate ways to break into the magazine market including fillers, anecdotes, editorials, essays, humor, children's writing, restaurant reviews and tips.

"Get Organized," a course in home management, examines a fun and easy method of putting a person's life in order. Each lesson will address a new area of household management, offer encouragement and solve common problems.

"Get Organized for the Self-Employed" will offer the tools needed to develop a personalized, flexible system to keep businesses running smoothly.

"Get Organized Just for Writers" provides the tools to develop a personalized, flexible routine to keep all your writing projects on track and moving toward completion.

Students enrolled in the online courses set their own schedules, and classroom work is available on the Internet allowing students to work at their own pace. Participants interact with classmates and the instructor via e-mail and a class Web site. Class material includes notebook lectures, frequently asked questions, exercises designed to support class lectures and handouts, all of which are available online. There are six lessons in each course. Textbooks, when needed, can be ordered online.

Cost of each class is \$79. To register, call 1-5376 or 1-800-726-1724.

## Shorts and Reminders

### Positions Available

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

Administrative Secretary/#2034  
M-F; 20 hours/week  
International Programs  
\$8.65+/hour  
July 16

Job Accounting Tech  
Facilities Management  
\$24,000+/year  
July 15 (internal only)

Nutrition Education Assistant (EFNEP)  
NDSU Extension Service  
Housed at United Tribes Technical College, Bismarck  
\$13,875 minimum/year  
Nine months; 40 hours/week  
Contingent on availability of federal funds  
July 16

Concessions/Catering Supervisor/#5338  
12 months, full-time  
Hours vary as needed  
Dining Services-Union Dining Center  
\$9.50+/hour  
July 21

Information Technology Specialist/#5239  
Information Technology Services  
\$33,000 minimum/year  
July 21

3-D Cultural Architect  
Sociology/Anthropology  
\$25,000+/year  
July 23

MFT Clinic Coordinator/#5220  
12 months, 3/4-time  
Child Development and Family Science  
\$25,000/year  
July 25

Scientific Computing Support Analyst  
Center for High Performance Computing (CHPC)  
Salary commensurate with experience  
Aug. 1

Associate Director/Student Activities  
Memorial Union  
\$40,000+/year  
Open until filled

Coordinator of Greek Life and Leadership  
Memorial Union  
\$30,000+/year  
Open until filled

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

## Research Opportunities

The Office of Sponsored Programs Administration announces the following funding opportunities and deadlines. For more information, refer to the Web site or contact information provided with each listing. For information about other grant opportunities, you may conduct an online funding search via the Community of Science Web site at [www.cos.com](http://www.cos.com), and clicking on "Services," then "COS Funding Opportunities."

### Research Experiences for Undergraduates

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specially designed for the purpose. The solicitation features REU Supplements and REU Sites as two mechanisms for student research support. REU Supplements may be included in proposals for new or renewal NSF grants or cooperative agreements or as supplements to ongoing NSF-funded projects. REU Sites are based on independent proposals to initiate and conduct undergraduate research participation projects for a number of students. REU Sites projects may be based in a single discipline or academic department or be based on interdisciplinary or multi-department research opportunities with a strong intellectual focus. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in department-relevant research areas. Undergraduate student participants in either Supplements or Sites must be citizens or permanent residents of the United States or its possessions. The deadline for REU Supplements varies with the research program. The deadline for REU Sites proposals is Sept. 15 annually. For more information, visit [www.nsf.gov/pubs/2003/nsf03577/nsf03577.htm](http://www.nsf.gov/pubs/2003/nsf03577/nsf03577.htm).

### Antiterrorism and Emergency Assistance

The U.S. Department of Justice Office of Victims of Crime invites applications for financial assistance, training and technical assistance to address victim needs in the aftermath of an act of terrorism or mass violence. Five types of grant assistance in the areas of crisis response, consequence management, criminal justice support, crime victim compensation, and training and technical assistance are available. There is no application deadline and funding is determined on a case-by-case basis. Details are available at [www.ojp.usdoj.gov/ovc/fund/pdftxtantiterrorapplication.txt](http://www.ojp.usdoj.gov/ovc/fund/pdftxtantiterrorapplication.txt).

### Living Policy and Environmental Studies

The Robert Wood Johnson Foundation's Active Living Policy and Environmental Studies (ALPES) program is intended to encourage and support high-quality, scientifically sound research that will identify environmental factors and policies that could influence and increase physical activity levels in the United States. The program focuses its support on physical activity and community environmental characteristics, use of parks and recreation facilities for physical activity and impact of changes in community environments or policies on participation in physical activity. In this round of funding, \$3.5 million is available for research grants. The application deadline is Sept. 2. For more information, send e-mail to Julie Weitzel at [alpes@projects.sdsu.edu](mailto:alpes@projects.sdsu.edu) or see [www.alpes.ws](http://www.alpes.ws).

**State and Regional Climate Policy Initiatives**

The Energy Foundation, a partnership of foundations interested in sustainable energy, recently introduced the Climate Program funding area focusing on state and regional climate policy initiatives. The program is intended to develop and promote state and regional policies in an effort to reduce global warming pollution in order to build models for and momentum toward federal climate policy. The program is sponsored by the David and Lucile Packard Foundation. Grant sizes will vary, and there is no deadline. Guidelines are available online at [www.ef.org/resources.cfm#352](http://www.ef.org/resources.cfm#352).

**Calendar****July**

Through July 18 “Thinking in Time” exhibition by printmaker and photographer Elizabeth Dove, Memorial Union Gallery. Gallery hours are 10 a.m.-2 p.m. Monday-Friday.

Through Aug. 1 “Memory Palaces on the Dakota Prairie,” exhibit of the Great Plains Little Theater Project by Tim Kennedy, President’s Gallery.

Through Oct. 19—“School Days in North Dakota” exhibit, NDSU Main Library first floor

16 Tunes at Noon features Badimo, noon, Memorial Union West Patio

23 Tunes at Noon features Jessie Veeder, noon, Memorial Union West Patio

30 Tunes at Noon features Johnsmith, noon, Memorial Union West Patio

**August**

15 CATTT—Technology Transfer Workshop, 7:30 a.m.-6 p.m., Alumni Center

25 Regular office hours resume

**University Relations  
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