

Research and Technology Park dedicated



President Chapman and speakers

NDSU's new Research and Technology Park was dedicated during ceremonies May 12. Keynote speakers included President Joseph A. Chapman; Rita Colwell, director of the National Science Foundation; and John Lawson, senior vice president for technology and engineering, Deere and Co.

Located on 40 acres on the north end of campus, the park is a partnership between entrepreneurs, technology-based businesses and university researchers that is designed to aid the creation of new business ventures.

"This is a project that's time has come," Chapman said. "So what's the good idea? Very simply, there needs to be a place where university faculty, staff and students can work side-by-side with researchers from the private sector on cutting-edge projects."



Colwell and Chapman

Colwell said the park's buildings will not just house people, laboratories and offices, but they hold the promise of spearheading economic growth for the state and region.

"As I read about the economic history of North Dakota," said Colwell, "I learned that the United States has mostly looked to this region as a producer of raw materials and as an exporter of young people. But now we see the picture changing."

"What's really different is the connections forged by science and engineering that let us live, work and dream on a global scale from almost anywhere in the world. While renewing the engagement of the community, the university here is also creating new linkages to the wider world," she said. "We celebrate that spirit today."

The park's cornerstone tenant is Phoenix International Corp., a John Deere company. The manufacturer of electronic controls and sensors will occupy the park's first structure, which will provide laboratory and office space for a projected 320 employees.

According to Lawson, Deere faces an aggressive growth plan in the new digital economy. "Emerging technologies that are being developed here at Phoenix International will play a central role in providing the tools to take John Deere to this new level," he said. "Attracting and retaining top-rate employees is a primary and critical focus, and there's no question that the partnership developed will help us attract some of the brightest employees."

The park's second building is designed for NDSU researchers. It includes laboratories and Internet-wired, technology-related facilities. Also planned is a 25,000-square foot business incubator, where emerging companies will lease space as faculty and students work with them to prepare new products or methods.

The park's future looks bright, with expectations of expansion in the years to come. "As we formally dedicate the park, this is the ribbon cutting for the first of what we believe will be several new buildings," Chapman said.

Dedication speakers also included Gov. John Hoeven; U.S. Sen. Byron Dorgan; Fargo Mayor Bruce Furness; John T. Korsmo, State Board of Higher Education; and Jonas Peterson, NDSU student body president.

Valleyfair tickets available

The Office of Human Resources has "Good Any Day" discount tickets to Valleyfair, Shakopee, Minn. Adult tickets are \$22.40. The regular ticket price is \$28.95. Children's tickets also are available for \$8.95. Present your faculty/staff ID card at the Office of Human Resources at the time of purchase. Questions regarding Valleyfair tickets may be directed to Brittnee Steckler at 1-8961.

Next Issue

Publication date: Wednesday, June 13
Submissions due: noon June 7
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Research expenditures at NDSU grow to more than \$50 million

NDSU faculty set a new record in research and development expenditures of more than \$50 million in fiscal year 2000, according to figures submitted by the university to the National Science Foundation. This is a 25 percent increase in one year.

"A year ago, I challenged Phillip Boudjouk, our new vice president for research, creative activities, and technology transfer, to increase our research portfolio from \$40 million," said NDSU President Joseph A. Chapman. "I congratulate our faculty on rising to the challenge in such a short time. It is a tremendous achievement."

Chapman has made increasing the university's stature as a research university a priority during his presidency. To support faculty research and regional economic development efforts, NDSU has created a 40-acre research and technology park on the north side of campus. The cornerstone tenant is Phoenix International Corp., a John Deere company. The manufacturer of electronic controls and sensors will occupy the park's first structure, which will provide laboratory and office space for a projected 320 employees. A public dedication of the park was held May 12 at the Phoenix International research building. Keynote speakers included Rita Colwell, director of the National Science Foundation, John Lawson, senior vice president technology and engineering of Deere and Co., N.D. Gov. John Hoeven and Sen. Byron Dorgan.

The university also increased its administrative support of sponsored research, including coordinating campus research efforts through a new cabinet level division led by Boudjouk.

"President Chapman has set an ambitious program of campus wide growth," said Boudjouk. "We are able to use a percentage of our research grants, known as indirect cost recovery, to support that growth. For example, increasing faculty and staff salaries is a major priority. From our research increase, we are able to increase our salary pool beyond legislative appropriations."

According to the National Science Foundation, NDSU ranks 135th out of 589 universities in total research and development expenditures, putting it in the top 22.9 percent.

"As we continue to expand our research capabilities, we do so with the understanding that this growth is in support of the entire university," said Chapman. "We remain committed to the ideals of the university, which includes a fundamental belief in broad-based undergraduate education. Conducting advanced research offers the promise of regional economic growth and new resources to support the full range of university programs. In this way, all of NDSU can advance to be the kind of university we want to be."

The research and technology park's second building is designed for NDSU researchers. It includes laboratories and Internet-wired, technology-related facilities. Also planned is a 25,000-square foot business incubator, where emerging companies will lease space as faculty and students work with them to prepare new products or methods.

Legislative session seen as positive

The 57th North Dakota Legislative Assembly is being viewed as a positive session for NDSU interests. The 77-day session, which ended April 30, produced several important pieces of legislation for the university.

"We want to thank the legislature for its support. We have come to realize that on a per capita basis higher education is very well treated in North Dakota," said President Joseph A. Chapman. "NDSU asked for flexibility and the authority to go out and leverage resources in such a way that we can continue to pursue excellence. The legislature and governor have provided that."

Among the NDSU items approved were \$20 million in bonding authority to construct a business administration building and permission to issue \$8 million in bonds to build a new residence hall. The \$3 million Minard Hall expansion plan also was approved, as was increasing the proposed Sudro Hall 8,000-square foot expansion project from \$1.75 million to \$2.9 million.

In the first bill signed by Gov. John Hoeven, NDSU was authorized to proceed with a \$560,000 renovation of Robinson Hall and given permission to rebuild F Court, which was destroyed in an October fire. The new \$2.3 million apartment building will have 30 apartments and provide housing for 60 students.

"All of these projects, in their individual ways, are critical success pieces for NDSU's future," said Chapman. He noted that the employee benefit package, considered one of the best in the nation, was maintained. According to Chapman, the approval of the ability to retain tuition and fees on campus also was seen as a way for NDSU to manage its own resources.

Chapman commended NDSU faculty, staff and students for their interactions with their hometown legislators. "In all their contacts, whether they were weekend forums or e-mails, NDSU was perceived as a place with a very positive atmosphere and a can-do spirit. The message was that the campus would build upon what the legislature and governor provided, and North Dakota will be the winner," he said.

Keith Bjerke, executive director of University Relations and the university's chief liaison with the legislature during the session, said Chapman brought a helpful change in attitude. "We were much more united in purpose than some other campuses. President Chapman emphasized a positive approach and every legislator I had contact with appreciated being thanked instead of scolded," Bjerke said. "It was a solid session and we had almost unanimous support for our key initiatives. Agriculture also was treated well, with expanded dollars and flexibility."

Bjerke also lauded the Staff Senate Legislative Committee for meeting with him each week during the session. "It was an engaged group that shared information," he said. "It was a positive relationship where the members shared the heartbeat of the campus, while helping to keep everyone informed about the session."

University Senate gavel passed, election held

During the University Senate meeting May 7, outgoing presiding officer Sarah Jacobson, associate professor of business administration, passed the gavel to Kathleen Slobin, associate professor of sociology. Slobin will lead the organization during the 2001-02 academic year.

"It's been a great year," Jacobson said as she thanked the group for their efforts on strategic planning. "The conversations have gotten better and better. We talked about the right things."

Craig Schnell, vice president for academic affairs, presented Jacobson with a plaque in acknowledgment of her service. "It's been a terrific year and you've been a great presiding officer," he said in making the presentation.

In other action, David Rider, associate professor of entomology, was elected presiding officer-elect. Rider, who will hold the office in 2002-03, earned his bachelor's degree from Purdue University, his master's degree from Auburn University and his doctorate at Louisiana State University.

Libraries announce summer hours

The NDSU Libraries began its regular summer session schedule on Tuesday, May 15. Main Library hours are:

Monday-Thursday	7:30 a.m.-7 p.m.
Friday	7:30 a.m.-5 p.m.
Saturday	Closed
Sunday	5-9 p.m.

Branch Libraries hours (architecture, chemistry, and pharmacy):

Monday-Friday	7:30 a.m.-4 p.m.
Saturday-Sunday	Closed

All NDSU Libraries will be closed Saturday-Monday, May 26-28, for the Memorial Day weekend. A current listing of hours can be obtained by using the HRS command on the online catalog, on the Web at www.lib.ndsu.nodak.edu, or by calling 1-9456.

History department assists Neighborhood Project

The NDSU Department of History is helping the City of Fargo with its new Neighborhood Project.

The project's aim is to create both a book and a video of stories from Fargo's historic neighborhoods, by gathering information on city history from interviews with residents. The history department will contribute expertise in oral interviewing and in local history, and will provide a public history intern to help launch the program this summer and other support as requested.

The project may eventually lead to neighborhood history exhibits, kiosks providing historical information located in public spaces within neighborhoods and walking maps of historic Fargo.

For more information, contact Claire Strom, assistant professor of history, at 1-6405.

AD parking and University Avenue crossing update

Additional parking stalls have been approved for the north side of the CD metered lot. These parking spots will be reserved for designated staff members in Ceres Hall. The addition of the spots and the move of health center staff to their new building, should help reduce demand for AD parking, according to NDSU Police Chief Tim Lee. Lee will meet with Ceres Hall managers to determine which staff will park in the new CD lot spots.

AD permits will be honored for overflow parking in IFC lot from May 14-Aug. 15, if AD lot is full.

Lee added that the City of Fargo has implemented a light-sequencing program at University Drive and 13th Avenue North, providing a timed light change for southbound traffic on University Drive. This program should provide more gaps in traffic, allowing easier crossing during morning and evening rush hours, according to Lee.

Tribal Colleges 'Sunday Academy' completes second year

For the second year, the NDSU Tribal Colleges Collaborative Project Sunday Academy brought together about 20 students each from the Turtle Mountain and Standing Rock reservations one Sunday per month from October to April, to study topics in science and engineering.

The sessions, funded by the Office of Naval Research, were designed by NDSU faculty, tribal colleges and reservation teachers to provide pathways for American Indian students in North Dakota to pursue careers in science, mathematics and engineering.

Simple problems were presented at each session to a group of American Indian high school students by NDSU faculty over the Interactive Video Network (IVN). The students worked to find solutions to the problems, with guidance from at least one NDSU faculty member, one tribal college faculty member and two high school teachers from the reservation schools. Students presented their results to NDSU faculty over IVN. Additional materials relating the topic to industrial applications also were presented, and each topic included a brief talk on its connection to the American Indian culture.

NDSU faculty participating in this year's academy were Sharon Cobb, Group Decision Center director; Douglas Kurtze, associate professor of physics; Wei Lin, assistant professor of civil engineering; Willam Martin, assistant professor of mathematics; G. Padmanabhan, chair and professor of civil engineering; Floyd Patterson, associate professor of electrical and computer engineering; and Robert Pieri, chair and professor of mechanical engineering. Lin is the academy coordinator.

The project includes other activities such as summer camps for high school and tribal college students, scholarships, course development, and mentoring. Two-week summer camps for tribal college students are scheduled for June 4-15 and June 18-29 at NDSU. Selected tribal college faculty and reservation high school teachers also will attend. Two-week summer camps for high school students also are scheduled for June 18-29 at Turtle Mountain and Sitting Bull Reservations. Selected NDSU faculty will travel to the reservations for the camp.

For additional information, contact Padmanabhan at 1-7043.

Policy updates announced

The following policies recently have been added or revised. To see the complete policy, go to www.ndsu.nodak.edu/policy/.

Policy 101 - Personnel definitions

Revisions to this policy clarify a long-standing practice for determining which lecturers are regular employees, and distinguish between academic staff and other non-banded staff.

Policy 101.1 - Employee group definitions

This policy was updated to make state board policy and NDSU policy consistent in terms of employee group definitions.

Policy 103.1/303 - Recruitment for academic and administrative positions

Policy 303 has been renumbered to 103.1 since it applies not only to academic positions but also to non-banded and banded positions; minor revisions in the policy itself also have been made.

Policy 337 - Grade Appeals Board

Revision reflects the language changes to the University Senate bylaws describing the membership of the Grade Appeals Board.

Policy 340.1 - Coursepacks

This is a new policy adopted by the University Senate that explains expectations for faculty using coursepacks in order to avoid copyright issues and infringement liability risks. The policy requires that coursepacks be sold through the Varsity Mart.

Policies 350.1 - Board regulations on academic freedom and tenure; academic appointments

- **350.2** - Board Regulations on Standing Committee on Faculty Rights
- **350.3** - Board Regulations on non-renewal; termination or dismissal of academic staff
- **350.4** - Board Regulations on hearings and appeals.

Revisions in these policies all reflect changes in state board policies. Changes include the elimination of the requirement for a Special Review Committee (although NDSU has retained that requirement in NDSU Policy 353-grievances-faculty); information related to the application of ND open record and open meeting laws as they pertain to the Standing Committee on Faculty Rights and changes to some of the time lines for notifications and appeals related to non-renewals and terminations.

Policy 500 - General ledger

Policy 501 - Petty cash and change fund

Policy 502 - Bank and investment accounts

Policy 503 - Receipting

Policy 504 - Accounts receivable

Policy 505 - Property, plant and equipment

Policy 506 - Accounts payable

Policy 507 - Budgeting

Policy 508 - Taxes

These new policies replace Policies 500-512, which have been deleted. The new policies are written with a broad conceptual standard rather than as the detailed procedures which formerly constituted Policies 500-512. A separate financial processing guideline booklet has been written to give detailed instructions on financial procedures.

Policy 512 - Taking equipment home

This policy has been renumbered and is now Policy 700.2

Policy 514 - Personal use of state property

This policy has been renumbered and is now Policy 700.3

Policy 710.1 - Web Advisory Board

This is a new policy that provides for the establishment and maintenance of a coordinated, professional NDSU web presence within the context of other relevant NDSU, NDUS and N.D. HECN policies.

Policy 805 - Allowable cost policies - compensation for personal services

This revision changes the stipulation that overload payments must come from grant/contract funds to allow for exceptional circumstances when such payments might come from other sources of funding.

Peer review process approved

The University Senate has approved initiating a system of peer review of teaching. Recommendations were accepted May 8 for a trial, voluntary system for the 2001-02 academic year that will serve as an exploratory study.

“The peer review options will provide faculty with objective information that can be used to increase student learning in their courses,” said Robert Harrold, convener of the ad hoc Committee on Peer Review of Teaching and professor of animal and range sciences. “Students and faculty will each benefit as NDSU becomes a community of learners where instructional skills are recognized.”

The peer review is intended to be a “faculty-owned, flexible, formative or summative tool” for participants to supplement information obtained by Student Rating Of Instruction, support student learning and encourage the recognition of scholarship of teaching at NDSU. Elements of the review currently developed include peer observation of classroom instruction, peer interviewing of students and peer review of syllabi.

A workshop on peer review of teaching will be included in Faculty Development Days. A training session for 10 peer reviewers also will be conducted in late August.

The recommendations also said nominations would be immediately sought for a pool of 10 peer reviewers. An internal evaluation of the pilot program will be conducted by the Teaching and Professional Service Committee.

Safety short courses offered

The Office of Occupational Safety and Environmental Health has scheduled two safety short courses for May.

“Laboratory Use of Radioactive Material” is scheduled for 8 a.m.-noon Wednesday, May 23, in the Memorial Union University Chambers. Designed for new or potential users of radioactive materials in laboratory or field applications, the course also serves as a refresher for those currently using radioactive materials. Topics include basic theory of radioactivity, biological interactions with radiation, radiation protection, minimizing exposure level, rules and regulations, and safe handling, decontamination and lab procedures. The fee for NDSU staff and cooperative agreement institutions is \$25. Contact Steve Charlton, at 1-7759 or Steve_Charlton@ndsu.nodak.edu to register.

The laboratory and chemical safety short course is scheduled for 1-3:30 p.m. Thursday, May 24, in the Memorial Union Peace Garden Room. Attendance is required for all new technicians, graduate students and professors beginning laboratory activities or hazardous chemical usage. Pre-registration is not required.

People

Clark develops anthropology digital archive network

Jeff Clark, professor of sociology and anthropology, has been working to develop a digital archive network for anthropology, which will allow people to search and view archeological databases around the world. Clark has been invited to present the results of his first year's work at a conference sponsored by The Northwest Academic Computing Consortium and EDUCAUSE June 14-15 in Portland, Ore.

The digital network, DANA, is a prototype study being formed as a federation of distributed, interoperable online databases, each with specific content relating to anthropology, according to Clark. Users will be able to access a database, view three-dimensional artifacts and link to similar databases around the world. NDSU will be the lead institution and Web hosting site for the archeology technology laboratory (ATL) that will focus its work on the development of the digital network.

Clark's research was started a few years ago when his team received funds to purchase a digital laser scanner giving them the ability to create three-dimensional models of physical objects. Objects are scanned from all sides and entered into the database, enabling users to rotate and view the objects from various angles on their computer screen.

"The scans are very precise," said Clark. "We have a student who uses virtual calipers to create precise sets of three-dimensional models of actual artifacts. We're currently getting some test cases for some stone tools from Samoa."

The database is designed to be simple to use and have a broad appeal, from people who are just curious to scientists who have interests in very specific types of information for highly detailed study. Clark describes the database as an extremely valuable tool for research and education. "It will pull together a vast amount of data that is actually scattered around the globe," he said. The plan is to make the network available to public school systems also, as part of the education module still in development.

Clark also is working with colleagues in physical anthropology at Columbia University, New York, and the University of New Mexico, Albuquerque, to create three-dimensional models of cranial endocasts. "A cast is made from inside a cranium, or skull, creating a model for what the brain would have been like inside," Clark said. "These scans are of different species of human evolution, including chimps, gorillas, orangutans and gibbons. We can do various types of analysis of the shape of the brain and how it has changed by using these various endocast models." Clark says they hope to make evolutionary discoveries through the creation and exploration of the endocasts.

The NDSU team currently is collaborating with Arizona State University, Tempe, Brown University, Providence, R.I.; University of Munster in Germany; and a commercial company in Greece. They also are working to establish formal collaborations with other institutions in the United States and abroad to link various databases and object searches.

"What makes all this possible is the tremendous effort of a collection of really good people," said Clark. "Undergraduate

and graduate students, ITS and computer science staff, especially Francis Larson in ITS and Brian Slator in computer science. These people work extremely hard and are very good."

Clark views the research as endless. "It's almost like asking, 'Where does the library end?' The potential is unlimited. It's a matter of getting funding, having the ability to support staff, and add new staff to develop the project. We're thrilled with what we've been able to accomplish in a very short time."

The Archaeology Technologies Laboratory was created through a grant from the National Science Foundation awarded through EPSCoR, and matching funds from both the NDSU College of Arts, Humanities and Social Sciences and the NDSU Department of Sociology/Anthropology. More information on the program, current projects and details of the network can be found on the ATL Web site, <http://atl.ndsu.edu>. Clark's research is currently funded by conference co-host NWACC. Further conference information can be found at www.educause.edu/conference/nwacc/2001/.

Bovard to retire

Richard Bovard, professor of English, will retire at the end of the academic year after 29 years of service.

Bovard joined NDSU in 1972, and was chair of the English department from 1981-91. Bovard was interim director of NDSU Libraries from 1997-2000. He also served as interim dean of the College of Humanities and Social Sciences during 1995-96, interim director of the Division of Fine Arts in 1994-95 and assistant dean of the College of University Studies from 1978-81. In 1975-76, he was state director for North Dakota of the American Issues Forum.

Bovard earned his bachelor's degree in English at Kalamazoo College, Kalamazoo, Mich. He has a master's degree from the University of Michigan, Ann Arbor, and a doctorate in English from the University of Denver, Colo.

Miller awarded national certification

Carol Miller, director of the Varsity Mart bookstore, has been awarded the National Association of College Store Professional certification. The certification is awarded to individuals in the college store industry who have demonstrated a high level of experience and ethical fitness in service to their institutions, their communities and the higher education retailing industry.

The certification is based on the knowledge about the college bookstore industry, management experience and an examination that tests the mastery of the body of knowledge pertaining to the college store profession.

A native of Beloit, Wis., Miller holds a bachelor's degree in political science from the University of Wisconsin, LaCrosse. She has held retail management positions with B. Dalton Bookseller and Best Buy, and was assistant director of the University of Wisconsin, Milwaukee, bookstore. She was named Varsity Mart director in 1999.

Grant-in-Aid awards presented

The Office of Research Administration has announced the 2000-01 Grant-in-Aid awards. Seventeen applications were received, resulting in seven awards totaling \$50,000.

The Research and Consulting Committee sponsors the program annually. Its purpose is to assist faculty in obtaining external funding for their research activities by providing financial support for preliminary activities. Awardees are expected to submit a proposal to an external agency by the conclusion of their one-year project.

New Investigator Awards:

- Marc Anderson, assistant professor of botany, was awarded \$7,485 for a project titled "Changes in Gene Expression During Acclimation to Low Temperature in Maize Seedlings."
- Elizabeth Birmingham, assistant professor of English, was awarded \$7,340 for a project titled "From Archival Manuscript to Searchable CD-ROM: New Technologies, Resource Accessibility and Digitizing Marion Mahony Griffin's 'Magic of America.'"
- Alan Denton, assistant professor of physics, was awarded \$7,025 for a project titled "Phase Transitions in Colloid-Polymer Systems."
- Stephen Foster, associate professor of entomology, was awarded \$7,485 for a project titled "Differential Host Selection by the Sunflower and Banded Sunflower Moths."
- Stephen Stambough and Valerie O'Regan, assistant professors of political science, were awarded \$7,465 for a project titled "A Comparative Study of the Importance of Candidate Gender in Small State Gubernatorial Elections."

Interdisciplinary Awards:

- Edward Deckard, professor of plant sciences, and William Perrizo, professor of computer science, were awarded \$7,200 for a project titled "Development of Genomic Databases and Multidimensional Gene Expression."
- Brian Slator, associate professor of computer science, and Jeff Clark, professor of sociology, were awarded \$6,000 for a project titled "Towards Construction of a Virtual Archeology Site."

Students reach marketing competition semi-finals

NDSU's National AgriMarketing Association student chapter was among 12 of 37 teams from throughout the United States to make the semi-finals in the marketing competition at the organization's annual meeting in Denver April 11-13.

The team presented a marketing plan for "Dakota Wrap", a biodegradable replacement for plastic wrap made from the proteins in soybeans.

The NDSU chapter also was in the "Top 10 Best" of NAMA teams, and received the Innovative Idea Award for communications. Jodi Wosick, a junior majoring in agribusiness and applied economics, received the \$5,000 Successful Farming/Fergie Ferguson College Scholarship. A native of Warsaw, N.D., Wosick is president of the NDSU chapter

More information on the team's competition activities is available at www.ext.nodak.edu/homepages/aedept/onlocation/nama01/. The team's adviser is Cheryl Wachenheim, assistant professor of agribusiness and applied economics.

Student achievement recognized at reception

The achievements of NDSU student organizations and individual students were celebrated during the fifth annual NDSU Student Recognition Reception April 25.

The Student Government Commission for Student Organizations presented several awards, including the Outstanding Social Program Award to Theta Chi Fraternity for the Johnny Holm dance. The Outstanding Educational Program Award went to Wendy Fox's Alcohol Insanity Lecture brought to NDSU by Campus Attractions. The International Students Association was presented the Outstanding Cultural Program Award for its International Night. Blue Key National Honor Society was named the Outstanding Community Service Program for its bell ringing effort to raise more than \$11,500 for the Salvation Army. The Outstanding Overall Program was presented to Saddle and Sirloin's Little International. Former student body president Tadd Tobkin was named Outstanding Student Leader.

The Volunteer Network, a service learning program, recognized Kristi Beckstrom as the Outstanding Individual Volunteer. Beckstrom volunteered more than 300 hours during the year with organizations such as the FirstLink Hotline, Salvation Army, Read to Me and the Big Event. A graduating senior, she is majoring in mass communication.

The Volunteer Network also awarded Marriage and Family Therapy with the Outstanding Student Organization Volunteers Award, FarmHouse Fraternity with the Outstanding Greek Organization Volunteers Award and Weible Hall with the Outstanding Residence Hall Volunteers Award.

Mortar Board senior honor society recognized Janice Glatt, senior lecturer of business administration, as Outstanding Academic Adviser and Liz Christianson, assistant alumni director, as Outstanding Organization Adviser for her work with Bison Ambassadors.

The Leadership Recognition Reception is sponsored by the Memorial Union Student Activities Office. NDSU recognizes more than 200 student organizations in a wide variety of academic disciplines and special interests.

Architecture students receive awards

Five student finalists recently received awards from BWBR Architects, St. Paul, Minn. The firm awards the BWBR Prize each year recognizing professional potential amount students in the third year of the five-year architectural degree program.

Amanda Henderson, Merritt Larson, Clint Rasmussen, Nick Vreeland and Priscilla Williams were invited to make interactive presentations of their design ideas at the firm's St. Paul offices. A panel of practicing architects critiqued the students' exhibited work and effectiveness at presenting their designs.

Henderson was awarded the top BWBR Prize of \$2,000. Each of the other finalists also received a cash award and an engraved acknowledgment of recognition. BWBR representatives Terry Anderson, BArch '74, and Brian Buchholz, BArch '82 and BS '82, came to campus to present the awards.

According to Anderson, the BWBR Prize program was initiated with assistance from the NDSU Development Foundation in 1996 to reaffirm and strengthen ties between the firm, the NDSU campus community and promising architecture students.

NDSU race car at Mini Baja West

The Mini Baja race car designed by an NDSU mechanical engineering team placed 56 out of 100 competitors at the 2001 Society of Automotive Engineers Mini Baja West competition at Kansas State University, Manhattan, Kan., April 26-28.

Team members are Chuck Bastarache, Matt Kettner, Adam Grove, Benjamin Long, Dale Schmidt, Daniel Halvorson and Eric Sutherland.

The cars were judged on design, cost and safety. Teams gave presentations about their cars, and demonstrated their car's performance in various events.

"We feel we did well because we haven't competed in this event for several years, so basically, we were rookies," said Alan Kallmeyer, team adviser and assistant professor of mechanical engineering. He has not been informed of individual placements.

The event is sponsored by Briggs and Stratton, Caterpillar, Cessna Aircraft, the Geary County Convention and Visitors Bureau, Gilbert Texas Construction, Honda, John Deere Waterloo Works, Yamaha, Kansas State University Institute for Environmental Research and Motorola.

More information about the competition is available on the Kansas State University Society of Automotive Engineers Web site at www.ksu.edu/sae.

Interior design students win design competition

Three interior design students recently received awards at the Steelcase/Turnstone Design Competition, sponsored by Hannaher's Inc., Fargo. Geri Taylor received Best Overall Project and Best Presentation, Anne Hruby received Best Finish Selection and Stephanie Nitsch was awarded Best Use of Product.

Historically, the regional Steelcase office in Minneapolis sponsors the competition. "This year, the Minneapolis office canceled the competition because of time constraints. Hannaher's employees Charlie Grommesh, vice president, and project support specialists Sara Knudson and Sarah Feist, generously stepped up to the plate and developed a quality competition for our junior students," said Shauna Corry, assistant professor of apparel, textiles and interior design, and studio instructor. "They provided the competition resources, studio support and awards."

The competition's goal was to create a positive learning experience for students that focused on the successful application of products, and helping students develop a quality work environment.

Currently, five team members of Hannaher's design department, including Knudson and Feist, are NDSU graduates with degrees in interior design and facility management.

Rao to lead math association

M.B. Rao, professor of statistics, was elected to leadership positions for the Mathematical Association of America-North Central Section at a meeting held recently at Gustavus Adolphus College, St. Peter, Minn.

Rao will serve as president-elect for the 2001-02 academic year, president for 2002-03 and past-president for 2003-04. The North Central Section comprises North Dakota, South Dakota, Minnesota, Saskatchewan, Manitoba, and Western Ontario.

Research Opportunities

The Office of Research Administration in Old Main 201K announces the following funding opportunities and deadlines. For more information, refer to the Web site or contact person provided below. For information about other grant opportunities, you may conduct an online funding search via SPIN, available at www.ndsu.nodak.edu/research/funding/spinplus.shtml.

**The Camille and Henry Dreyfus Foundation
2002 Special Grant Program in the Chemical Sciences
Deadline: Preliminary proposals-June 15; invited final proposals-Sept. 1**

**2001 Henry Dreyfus Teacher-Scholar Awards Program
Deadline: applications due June 29
www.dreyfus.org**

The Camille and Henry Dreyfus Special Grant Program in the Chemical Sciences accepts for review almost any proposal that advances chemical education of knowledge, except for support of an individual's research. The Henry Dreyfus Teacher-Scholar Awards Program is directed to faculty who have distinctive records of research achievement primarily with undergraduates, with substantial attention to teaching as well, and are between the fourth and ninth years of their independent academic careers.

**National Institute on Aging (NIH - NIA)
Claude Pepper Older Americans Independence Centers
<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-02-001.html>
Deadline: Sept. 1 for letters of intent; Nov. 28 for applications**

The National Institute on Aging invites applications for Older Americans Independence Centers to conduct research in priority areas related to aging. Possible focus areas include specific conditions contributing to loss of independence in older persons; causes, prevention and treatment of a geriatric syndrome, such as involuntary weight loss or dizziness; specific related physiologic changes, risk factors and interventions; and interactions of multiple diseases.

**Department of Agriculture (USDA)
Socially Disadvantaged Farmers and Ranchers
www.usda.gov or e-mail 2501rfp@usda.gov
Deadline: May 31**

The Agriculture Department is seeking cooperative agreement applications for outreach and technical assistance in areas from farm management to marketing, that help socially disadvantaged farmers and ranchers own and operate farms and ranches, participate in agricultural programs, and become an integral part of the agricultural community.

**Tiffany & Co. Foundation
Grants in the Arts and Environment
www.tiffanyandcofoundation.org
Deadlines: none**

This new national corporate foundation will support nonprofits focused on the decorative, performing and visual arts, arts and crafts education, arts preservation and environmental conservation. The foundation initiates its own grantmaking, and accepts unsolicited proposals.

**Phillip Morris U.S.A.
Positive Youth Development Initiative
www.philipmorrisusa.com
Deadlines: May 31 for school-year after-school programs; and August 31 for hunger relief/food-related expenditures.**

Through its Positive Youth Development Initiative, Phillip Morris U.S.A. focuses support on programs providing young people with "core assets and competencies needed for adolescent and adult life." Grants fund programs primarily delivered during non-school hours, focusing on youth age 10 through high school, with emphasis on the 10-14 age group. The initiative was announced in 1999, and more than 300 grants in 32 states were awarded in the first two years.

Shorts and Reminders

Water aerobics class scheduled

The Skill Warehouse has scheduled a 12-week water aerobics session beginning May 15 at the Bison Sports Arena pool. Classes are scheduled from 5-6 p.m. Tuesdays and Thursdays through August 2. The first class is set for May 15 at 5 p.m. in the Bison Sports Arena Pool. Students, faculty, staff and spouses are welcome to participate. Cost is \$40 and \$24 for students. To register, contact the Student Activities Office at 1-7701.

Positions available

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

Program Assistant/#4824
Career Center
\$18,000/year
May 16

Office Supervisor/Systems Coordinator/#1360
(Monday-Friday; some Saturdays)
Varsity Mart
\$22,000+/year depending on experience
May 18

Seasonal Carpenter
Physical Plant
Salary competitive depending on experience
May 22

Arboretum Manager
Physical Plant
\$28,000 minimum/year
May 24

Catering Manager/#1077
Dining Services-Memorial Union
\$30,000 minimum/year
May 25

University Relations

North Dakota State University
PO Box 5167
Fargo, ND 58105

Technical Director/#3226
Northern Crops Institute
\$50,000+/year
June 18 or until filled

Research Technician/#5111/#5118
Animal and Range Sciences
\$26,000+/year commensurate with education and experience
Open until filled

Position openings also are available through the NDSU Web site at www.ndsu.edu/jobs

Calendar

May

Through June 7 "Signs and Symbols in Clothing," selections from the Emily P. Reynolds Costume Collection, Memorial Union Gallery

16 Alumni Association—"Big Broadcast of 1951," 7:30 p.m., Fargo Theatre

16 Association of Students from India—Indian philosophy seminar with Swami Chidatmananda, "The Power of Indian Meditation: Winning the Mind!" 8 a.m., FLC 319

17 Northern Crop Science —Robert Moreau, research chemist, USDA-ARS, Philadelphia, PA; "Quantitative Analysis of Lipids by High Performance Liquid Chromatography (HPLC): Biochemical Applications," 11 a.m., Northern Crop Science Laboratory

28 Memorial Day holiday, university closed

June

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

12 8-week classes begin

