

Freeman to receive honorary doctorate



Freeman

Fargoan Russell F. Freeman is scheduled to receive an honorary doctorate during NDSU commencement ceremonies at 5 p.m. Dec. 15, in the Fargodome. Freeman has enjoyed a distinguished career—first as an attorney and then as the United States ambassador to the nation of Belize.

“Russ is an outstanding community leader who has given tirelessly to North Dakota,” wrote James Miller, executive director of the NDSU Development Foundation, in a letter nominating Freeman for an honorary doctorate. “An exemplary Fargo citizen, he is dedicated to improving the quality of life for each and every citizen of North Dakota. Those who have worked with him in various ventures can attest to his knowledge and ability to accomplish whatever charge is presented to him.”

A 1961 graduate of Grinnell College, Grinnell, Iowa, Freeman earned his juris doctorate from the Northwestern University School of Law, Chicago, in 1964.

Freeman began his career in 1965 as a Judge Advocate with the U.S. Army. After four years, he joined the Nilles, Hansen and Davies law offices in Fargo. Specializing in corporate and probate law, he rose to senior partner in the firm.

In 2001, Freeman was appointed by President George W. Bush as the ambassador to Belize, a Central American country of more than 250,000 people. Bordered by Mexico and Guatemala, Belize is located on the shores of the Caribbean Sea.

“During his diplomatic service through 2005, Russ was instrumental in building a strong relationship between Belize and NDSU,” noted Keith Bjerke, vice president for University Relations, in a letter of nomination. “With his help, educational exchanges were established for administrators, faculty, staff and students. Such opportunities are critical as we North Dakotans work and succeed within today’s worldwide marketplace.”

Married to Susie (Gallagher) Freeman, a 1965 North Dakota State University graduate, Freeman has been a long-time friend of the institution. He is a member of the Bronze Medallion Giving Society through the NDSU Development Foundation.

His many affiliations include being a member of the North Dakota State Bar Association and the Cass County Bar Association. A director for the Children’s Village Family Services Foundation, he also is a former president of the Fargo School Board and an honorary board member of the Fargo-Cass County Economic Development Corp.

“Through his distinguished career, Russ Freeman has brought honor to his state and nation,” wrote Bjerke. “I believe an honorary doctorate is an appropriate recognition for his noteworthy service to the United States and for his lasting friendship with NDSU.”

Holiday open house planned

You are invited to President Chapman’s Holiday Open House 2-4 p.m. Wednesday, Dec. 13 Old Main

NDSU holiday hours set

NDSU offices will observe holiday hours of 7:30 a.m.-4 p.m. from Dec. 18-Jan.5. Regular business hours are scheduled to resume on Monday, Jan. 8.

Next Issue

Publication date: Wednesday, Dec. 6
Submissions due: noon Nov. 30
Old Main 204
Voice: 231-6101
Fax: 231-1989
steven.bergeson@ndsu.edu
www.ndsu.edu/news

Change of Address

char.goodyear@ndsu.edu

Dean of libraries finalists to interview

Two finalists for NDSU dean of libraries are scheduled to visit campus in December for interviews and a public forum. David Gleim, dean of Auraria Library, University of Colorado at Denver, is set to be here Dec. 7-8, while John Philip Mulvaney, library director, Northern State University, Aberdeen, S.D., is scheduled for Dec. 11-12.

The finalists will give presentations titled "The Future of the Academic Library in a Research University Setting." Gleim is scheduled to present at 2 p.m. Dec. 7, in the Memorial Union Dakota Ballroom, and Mulvaney is set to give his presentation at 2:30 p.m. Dec. 11 in the Memorial Union Century Theatre.

"Both candidates have considerable experience and bring a wealth of knowledge about library operations," said Craig Schnell, provost and vice president for academic affairs. "I encourage faculty, staff and students to attend the presentations to hear about their thoughts on the future of the NDSU Libraries."

Gleim is dean of the Auraria Library, which serves the University of Colorado at Denver and the Health Sciences Center: Downtown Denver Campus; the Community College of Denver; and the Metropolitan State College of Denver. He previously held positions at the University of South Florida's Tampa campus library, the Davis Library and Wilson Library at the University of North Carolina at Chapel Hill and the Strozier Library at Florida State University.

He earned his bachelor's degree at Brescia University, Owensboro, Ky., his master's degree at the University of Kentucky and his doctorate at the University of North Carolina at Chapel Hill.

Gleim's vita lists leadership positions with the American Library Association, Colorado Association of Libraries, Florida Library Association and the North Carolina Library Association. He also lists 15 presentations and seven publications.

Mulvaney has served as library director at Northern State University since 1993. During that time, he oversaw the planning, construction and occupation of a \$4.5 million addition and renovation of the library. He previously was an adjunct associate professor at the School of Library and Information Science, The Catholic University of America, Washington, D.C., and he held positions at the Simpson Library at Mary Washington College, Fredericksburg, Va., and the University of Wisconsin-Whitewater, Whitewater, Wis.

Mulvaney earned his bachelor's degree at St. John's University, master's degrees from the University of Toronto and Rutgers University and a doctorate from the University of Pittsburgh.

His vita lists activities with the American Library Association, the Higher Learning Commission of the North Central Association of Colleges and Schools, the Association for Library and Information Science Education, Beta Phi Mu and the Association of College and Research Libraries. He lists six presentations and seven publications.

NDSU awarded \$1.25M to build advanced diode battery

The Defense Advanced Research Projects Agency (DARPA) has awarded NDSU \$1.25 million in funding to undertake the initial six months of an effort to demonstrate a direct power conversion boron carbide diode battery. The total value of the effort, if all phases are completed, could be up to \$3.5 million over 1.5 years.

The specialized research is conducted by NDSU's Center for Nanoscale Science and Engineering. "The breadth of expertise within the ranks of North Dakota State University faculty is a continuing source of pride," said NDSU President Joseph A. Chapman. "From their efforts come the ideas to solve important challenges and spark innovation and economic growth."

"NDSU's effort was the only funding awarded during the first round of DARPA's Micro Isotope Power Systems (MIPS) effort," said NDSU principal investigator Tony Caruso. "We were able to beat out other bidders because our proposal offered both an aggressive schedule and a reasonable, though admittedly high risk, approach to achieving program targets."

The DARPA program seeks to build a one-cubic-centimeter isotope-based battery that can deliver 35 milliwatts continuously for many months to many years. These batteries could be used to power unattended sensors for applications such as perimeter defense networks.

NDSU's technical approach is to create an alphavoltaic battery from stacked p-n junctions using n-type and p-type boron carbide. Diodes will be stacked to provide modular power and the entire diode stack will be encapsulated in a thick ceramic case. Similar basic technology has been around since 1954 and has been utilized in solar cells. NDSU's recent work with semiconducting boron carbide has demonstrated that the same technology utilized for solar cells may enable long-lasting isotope batteries.

With NDSU as the prime contractor, the team completes its expertise in all needed areas with collaborators from Rensselaer Polytechnic University, SatCon Technology, Battelle Pacific Northwest Division (Pacific Northwest National Laboratory) and the Naval Research Laboratory.

NDSU participates in Megaconference VIII

NDSU participated in the global, virtual Megaconference VIII "Breaking Down the Barriers: Global Connections" held Nov. 2. The worldwide videoconference is sponsored by Internet2, and was viewed by 5,000 people in 25 countries on five continents.

Ann Rathke, telepharmacy project director, presented "The North Dakota Telepharmacy Project." Jacylinn Davis Walette, director of Multicultural Student Services; junior Ken Gillies; and Denise Lajimodiere, assistant professor in the School of Education, presented with the Library of Congress and the Smithsonian American Art Museum on "Native American Artifacts."

Sandy Sprafka, ITS videoconference administrator, was on the program committee and conducted presenter rehearsals.

The Megaconference is available via streaming by visiting <http://commonsvcg.oar.net/megaconference/?page=5#archive> and selecting Megaconference8.

Contact Sandy Sprafka at 1-8688 or sandy.sprafka@ndsu.edu for further information.

Children learn through plant sciences project

The Department of Plant Sciences hosted the First Science and Art Expo Nov. 14-16 for local children. The event was a precursor to the fourth annual Fall Chrysanthemum Show.

More than 200 elementary students from Holy Spirit Elementary, Carl Ben Eielson Middle School, Bennett Elementary and Jefferson Elementary took part in a children's education program.

According to Brenda Deckard, Plant Sciences Student Services director, the students viewed the chrysanthemums with science in mind, and then showed their understanding through an art exercise. In addition, they were introduced to the scientific method by baking a cake with no sugar, experimenting with different sweetening and flavor additives and then comparing their results with the original hypothesis.

Graduate research assistant Becky Oliver and first-year crop and weed sciences student Jillian Post assisted in the educational program.

"Our goal was to plant the seed early for an appreciation of science and the arts," Deckard explained.

Award nominations sought

The NDSU Alumni Association is seeking nominations for four prestigious alumni awards. All nominations are due Feb. 1, 2007.

The Horizon Award recognizes alumni who have graduated within the past 10 years and have attained great success in their profession or have been engaged in outstanding community service. For more information, visit www.ndsualumni.com/programs/horizon.htm.

The Alumni Achievement Award recognizes alumni who have attained outstanding professional accomplishments. More information is available at www.ndsualumni.com/programs/achievement.htm.

The Heritage Award for Alumni Service recognizes alumni who have provided outstanding volunteer service for the benefit of NDSU. Visit www.ndsualumni.com/programs/heritage.htm for details.

The Distinguished Academic Achievement Award honors an individual who has attained noted achievements in the area of education as teachers, researchers or administrators. For information, visit www.ndsualumni.com/programs/academic-achieve.htm.

In addition, the Alumni Association is seeking nominations for its 31-member board of directors. Visit www.ndsualumni.com/volleaders/volleaders.htm for more information.

Questions should be directed to Marilyn Doeden at marilyn@ndsualumni.com or 1-6808.

Group seeks donations for holiday tree

The State Employee Recognition Week (SERW) Committee has decorated a tree for Frasier Ltd., which will be presented to a deserving family for the holiday season.

The SERW Committee is requesting small donations that will be applied towards gift cards for the family. Along with the gift cards and the tree, the family also will receive a plaque indicating the contributors.

If you would like to participate, respond by Dec. 1 to one of the committee representatives: Robyn Hoffmann, N.D. State Auditor's Office, Fargo; Char Kuss, cereal and food sciences, Harris Hall; Sharon Morgan, agriculture budget office, Morrill Hall; Terri Nelson, Ag Communication print shop, Morrill Hall; Terry Beyer, Independent Study; Clarice Hackman, NDSU Libraries; Cathy Halgunseth or Andrea Swoitek, N.D. Veterans Affairs Office; Cindy Kozojed, Telecommunications, Thorson Maintenance Center; Diana Kowalski, NDSU Libraries; or Joleen Pederson, Safety Office, ANPC Building.

PEOPLE

Ramsay receives Legacy Award



Ramsay

Ronald Ramsay, associate professor of architecture and landscape architecture, has received the 2006 Legacy Award. The honor is presented annually by Preservation North Dakota for exceptional achievement in preserving the historical, architectural and cultural environment of North Dakota.

The awards ceremony was held during the 18th Annual Governor's Conference on North Dakota History at the North Dakota Heritage Center, Bismarck, on Oct. 27. Steve Martens, associate professor of architecture and landscape architecture, wrote the nomination and was asked to announce the award.

According to the organization's Web site, "Ramsay has made significant contributions to furthering preservation in North Dakota and the northern Plain region by his groundbreaking research over the past 35 years. He has been a strong influence on dozens of architecture students who have gone on to successful careers as preservationists. His involvement with the academic side of preservation research is matched by his tireless advocacy and public education activities."

The organization notes that Ramsay has written a number of National Register nominations on behalf of architectural firms undertaking preservation projects, that he is a lifetime member of the Society of Architecture Historians and more than 3,000 students have been introduced to architecture history through his courses.

Ramsay is an associate fellow of the Center for Great Plains Studies, Omaha, Neb., and received the deMontqu n Prize for Colonial American History presented at the 1995 National Planning History Conference. He has been involved in many organizations, including the Fargo Historic Preservation Commission, National Register of Historic Places, National Trust for Historic Preservation, Society of Architecture Historians, Preservation North Dakota, Fargo Heritage Society, Plains Art Museum and Plains Architecture.

More information is available at www.prairiechurches.org/honor_legacy_winners.cfm#2006.

Suzen receives international awards



Suzen

Yildirim Bora Suzen, assistant professor of mechanical engineering, has received two prestigious awards from the Royal Aeronautical Society, London.

He received the Specialist Silver Award, which is conferred for exceptional work that has led to significant advances in specialist disciplines in the aerospace industry. He also received the Ackroyd Stuart Prize for the best paper published in the propulsion subject group. The paper, titled "Comprehensive Validation of an Intermittency Transport Model for Transitional Low-Pressure Turbine Flows," was published in *Aeronautical Journal* earlier this year.

George Huang, a professor of mechanical engineering at the University of Kentucky, also was honored with the two awards from the society.

Suzen conducts research on computational modeling of transitional flows and active/adaptive flow separation control. His research was performed under a cooperative agreement with NASA's Glenn Research Center, Cleveland, as part of the Low-Pressure Turbine Flow Physics Program led by David Ashpis.

Under the program, Suzen and Huang developed a computational model to accurately simulate the complex transitional flow fields in low-pressure turbines to predict losses under various operating conditions, which could lead to better-designed turbine blades. "The success of the model has been instrumental in developing more advanced transition models for turbomachinery applications and for external aerodynamic applications such as wind turbines, aircraft wing/body flowfields and helicopter flowfields," said Suzen.

Suzen, who joined NDSU in 2005, received his bachelor's degree in aeronautical engineering from Middle East Technical University, Ankara, Turkey. He holds a master's degree and a doctorate in aerospace engineering from Wichita State University, Wichita, Kan. He has written more than 40 technical articles and reports and has presented his research work at more than 30 national, international conferences and lectures.

Suzen is affiliated with Sigma Gamma Tau—National Honor Society for Aerospace Engineers, American Society of Engineering Educators (ASEE), American Institute of Aeronautics and Astronautics (AIAA) and serves on the AIAA Thermophysics Technical Committee.

For information on the Royal Aeronautical Society, visit www.raes.org.uk.

Freeman receives certification

Pierre Freeman, research compliance and training officer, has earned the title of Certified Manager of Animal Resources through the American Association for Laboratory Animal Science (AALAS). Freeman is also the director of NDSU's Institutional Animal Care and Use Committee (IACUC).

Val Kettner, associate vice president for sponsored programs, was notified of Freeman's certification in a letter from Mark Suckow, AALAS president. "Participation in CMAR certification is nationally recognized as exemplifying dedication and professionalism in laboratory animal resource management," Suckow wrote.

According to Kettner, Freeman successfully completed three of the required examinations online and then completed the final examination at the AALAS conference Oct. 15-19 in Salt Lake City.

"Pierre managed to prepare for his examinations in addition to continuing to manage all of his responsibilities in this office," Kettner said, noting Freeman also is certified in laboratory animal sciences through the AALAS. "This is just another example of Pierre's dedication and commitment to the IACUC and NDSU."

The IACUC reviews and must approve of the use of live animals in research, teaching, testing or exhibition projects conducted by NDSU faculty, staff or students.

Students chosen for McNair program

Seven students have been selected to participate in the NDSU McNair Scholars program. They include juniors Rachel Erstad, Jeremy Fischer, Andrea Lyons, Ebony Anderson and Evelyne Mutezinka and seniors Nolan Higdem and Damien Reinhart.

Erstad is a sociology and English major. Fischer is studying electrical engineering. Lyons is majoring in human performance and fitness and psychology. Anderson and Mutezinka are studying nursing. Higdem is a hospitality and tourism major, and Reinhart is majoring in anthropology.

Students chosen for the program have the opportunity to engage in graduate level research under the guidance of faculty and library mentors. Debra Peterson, instructor of English, is the faculty mentor for Erstad; Roger Green, associate professor of electrical engineering, for Fischer; Donna Terbizan, professor of health, nutrition and exercise sciences, for Lyons; Marjorie McCullagh, associate professor of nursing, for Anderson; Norma Kiser-Larson, assistant professor of nursing, for Mutezinka; and Kara Wolfe, assistant professor of apparel and design, for Reinhart.

Fran Fisher is the library mentor for Erstad, Mark England for Fischer, Marilyn Hedberg for Anderson and Mutezinka and Kathy Enger for Lyons, Higdem and Reinhart.

McNair Scholars are selected from NDSU undergraduates who meet the program criteria and show an interest in research. In addition to a monthly research stipend and an opportunity to attend conferences related to their studies, the program provides educational and support services to prepare scholars for post-graduate work.

Named after Challenger space shuttle crewmember Ronald E. McNair, the NDSU program is one of the original 14 McNair programs in the country. The program is funded by the U.S. Department of Education and is administered by the Office of TRIO Programs in the Division of Student Affairs.

Football players named to academic team

The Bison football team placed two student athletes on the ESPN The Magazine Academic All-District University Division team announced Nov. 9 by the College Sports Information Directors of America (CoSIDA).

Strong safety Craig Dahl, a senior from Mankato, Minn., was selected to the first team. He maintains a 3.58 grade point average majoring in mechanical engineering, and he now advances to the national ballot for the Academic All-America team. He was a second team CoSIDA academic all-district pick in 2004.

Wide receiver Kole Heckendorf, a sophomore from Mosinee, Wis., was selected to the second team. He maintains a 3.80 grade point average majoring in physical education.

EVENTS

Madrigal Dinners scheduled

The NDSU Madrigal Singers, under the direction of Michael J. Weber, assistant director of choral activities, are scheduled to present the 32nd annual Madrigal Dinners at 6:30 p.m. Dec. 1-3, in the Reineke Fine Arts Center Challey Atrium.

The Madrigal Dinners are an evening of Renaissance dining and entertainment, with holiday music by the Madrigal Singers. As guests arrive, they will be greeted by a brass quintet playing prelude music. Herald trumpets will announce the events of the evening, and dinner music will feature solos and ensembles.

The meal, prepared by the NDSU Dining Services, has been researched for authenticity. It consists of traditional English Renaissance fare—entrée choice of bourbon marinated pork chops, grilled chicken with béarnaise sauce or vegetable kabobs, wild rice, rosemary roasted potatoes, green beans, whole grain breads, fruit, cheese and wild raspberry cake.

Tickets are \$35 and they are available through the NDSU Division of Fine Arts Box Office at 1-9442. For more information, call Kay Beckermann, promotions director, at 1-9564.

Seminars announced

The Office of Research, Creative Activities, and Technology Transfer (RCATT) has announced the next two "Gear Up for Grants" seminars.

"COS and Other Resources for Finding Grants and Expertise Online," presented by Kay Sizer of the RCATT office, is scheduled for 3 p.m. Wednesday, Nov. 29, in the Research 1 building, room 148-154.

"Preserving Your Intellectual Property Rights," presented by staff members from the Office of Technology Transfer, is scheduled for 3 p.m. Monday, Dec. 18, in the Research 1 building, room 148-154.

Seminars are open to all faculty, postdocs and other research-related personnel. Individuals should register for each date by contacting Kay Sizer at 1-7035 or kay.sizer@ndsu.edu. Refreshments will be available.

Blumhardt retirement open house set

The Office of Registration and Records has scheduled a retirement open house honoring Gene Blumhardt, admissions and records officer, for 2-4 p.m. Dec. 6, in the Memorial Union Dakota Ballroom.

Blumhardt began his career at NDSU in the Office of the Registrar (then located in Old Main) in 1969. In his 37 years of service to the NDSU community, Blumhardt has been responsible for such duties as degree verifications, grade changes, continuing education registration and grade entering, taking photos for the first student photo identification cards, diploma mailing and maintaining the course catalog information. Additionally, he has played a supporting role in NDSU commencement ceremonies and university registration sessions.

During the last four years, Blumhardt has worked closely with the many academic departments on campus establishing course offerings for each semester, which requires fitting approximately 3,000 classes each semester into limited classroom space across campus.

Gamma Sigma Delta to hold annual fall meeting

The NDSU Chapter of Gamma Sigma Delta is scheduled to hold its annual fall business meeting at noon, Dec. 5, in the Reimers Room at the NDSU Alumni Center. Pizza will be served for lunch at the meeting.

Agenda items for the meeting include acceptance of new nominees into the honor society, as well as discussion surrounding the role of Gamma Sigma Delta at NDSU.

The objectives of Gamma Sigma Delta are the advancement of agriculture in all its phases, the maintenance and improvement of the relations of agriculture and related sciences to other industries and the recognition of the responsibilities of those engaged in all aspects of agriculture to humankind. Gamma Sigma Delta seeks to encourage high standards of scholarship and worthy achievements in all branches of the agricultural and related sciences as well as a high degree of excellence in the practice of agricultural pursuits.

The NDSU Chapter of Gamma Sigma Delta was formed in 2005. First-year activities included initiation of charter members and an "Out of the Ivory Towers" tour of North Dakota agriculture that was held in August.

R.S.V.P. to Tom Gustad at 1-8126 or T.Gustad@ndsu.edu by Nov. 30. All members are encouraged to attend.

SHORTS & REMINDERS**Positions Available**

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

Administrative Secretary/#00021607
Upper Great Plains Transportation Institute (UGPTI)
Bismarck, N.D.
\$23,000+/year
Dec. 6

Administrative Secretary/#00022947
P/T, 20 hours/week
Cereal and Food Science
Dec. 6

Student Services Coordinator/#00020298
Architecture and Landscape Architecture
\$24,000+/year
Open until filled

Carpenter/#00021386
Facilities Management
\$35,000+/year
Dec. 6

Lead Food Service Worker/#00020578
12 months, 40 hours/week
M-F, 11:30 a.m.-8 p.m.; weekend/summer hours may vary
Dining Services-Residence Dining Center
\$9/hour
Open until filled

Dish Room Lead/#00020197
12 months, 40 hours/week
M-F, weekends as necessary
11:30 a.m.-8 p.m.
Dining Services-Memorial Union
\$8+/hour
Open until filled

PM Custodian/#00021701
10 months; 40 hrs/wk
M-F, 2 p.m.-10:30 p.m. (weekends as necessary)
Dining Services-Memorial Union
\$7.95+/hour
Open until filled

Research Specialist
Langdon R/E Center (LREC)
Langdon, N.D.
\$30,000+/year
Open until filled

Research Specialist/#00025275
North Central Research Extension Center (NCREC)
Minot, N.D.
\$31,000 minimum/year
Open until filled

Research Engineer/#00021664
Center for Nanoscale Science and Engineering
Salary commensurate with experience
Open until filled

Program Manager/#00020888
UGPTI
Bismarck, N.D.
Salary commensurate with experience
Dec. 6

Visual Arts and Gallery Coordinator/#00019376
Memorial Union
\$35,000+/year
Dec. 7

Network Administrator/# 00024677
Information Technology Services (ITS)
\$43,000+/year
Dec. 8

Help Desk Consultant/#00021357
ITS
Salary commensurate with experience
Open until filled

Staff Writer/#00025229
Vice President for University Relations
Salary commensurate with experience
Open until filled

Pastry Chef/Bakery Manager/#00025019
Dining Services
Salary commensurate with experience
Open until filled

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

CALENDAR**November**

- Through Dec. 6 Baccalaureate exhibition—Rebecca Thole and Jessalyn Torgerson, NDSU Downtown Gallery. Reception 5 p.m. Wednesday, Nov. 29.
- Through Dec. 8 Baccalaureate exhibition—Arion Poitra, Reineke Fine Arts Center Gallery. Reception 4:30 p.m. Tuesday, Nov. 28.
- 29 YMCA of NDSU—brown bag seminar, “Spirituality: A Pathway to Peace,” noon, Memorial Union Prairie Rose room
- 29 Soil science—Don Tanaka, “Agricultural Systems Work @ Mandan for Cropping and Livestock Production,” 3 p.m., Walster 217
- 30 International Programs—World I View, Kriti Shrestha and Pooja Vaidya, “Kumari: The Living Goddess,” noon, Memorial Union Prairie Rose room
- 30 Animal Metabolism Unit—Heldur Hakk, “Mammalian Brominated Flame Retardant (BFR) Metabolism,” 2 p.m., Biosciences Research Laboratory, Large Conference Room
- 30 Geosciences —Jamey Jones, University of Minnesota Morris, “Timing and Style of Proterozoic Deformation in Southern Colorado: Constraining Tectonic Models for ca.1.4 Ga Granitic Magmatism Across the Southern Rocky Mountains, U.S.A.,” 4 p.m., Van Es 101. Refreshments at 3:30 p.m.

December

- 1 Biological sciences—Mike Caruso, graduate assistant, “The Good, the Bad and the Ugly of Insulin/Insulin Receptor(s) in Fish,” 3 p.m., Van Es 101
- 1 Entomology—Michael A. Wall, San Diego Natural History Museum, “Biogeography and Functional Morphology of the Solomonius-group of stinkbugs,” 2 p.m., Hultz 272
- 1 Plant Sciences—Mridull Dilawari, “New Approaches for Sequencing of Complex Genomes,” 3:30 p.m., Loftsgard 114
- 1-3 Madrigal dinners, 6:30 p.m., Reineke Fine Arts Center Challey Atrium. Tickets are \$35. Call 1-9442 for tickets.
- 3 Winter choral concert, 2 p.m., Festival Concert Hall. Tickets are \$5 for adults, and \$2 for students and seniors. Call 1-9442 for tickets.
- 4 Jazz Ensemble and Lab Band concert, 7:30 p.m., Festival Concert Hall. Tickets are \$5 for adults, and \$2 for students and seniors. Call 1-9442 for tickets.
- 5 Wind Ensemble concert, 7:30 p.m., Festival Concert Hall. Tickets are \$5 for adults, and \$2 for students and seniors. Call 1-9442 for tickets.
- 6 YMCA of NDSU—brown bag seminar, “Native American Health Issues in the F-M Area,” noon, Memorial Union Prairie Rose room
- 6 Soil science—Doug Malo, “Experiences During 31 Years of Coaching the Soils Judging Team at South Dakota State University,” 3 p.m., Walster 217
- 8 Last day of classes
- 8 Ceramic and printmaking sale, noon-5 p.m., NDSU Downtown Gallery.
- 8 Entomology—ESA practice talks and poster presentations, 2 p.m., Hultz Hall 272
- 8 Biological sciences—Cunming Duan, University of Michigan, “Fishing for New Functions and New Mechanisms in the IGF Signaling Pathway in Zebrafish Embryos,” 3 p.m., Van Es 101
- 9 Musical Theater Troupe showcase, 7:30 p.m., Walsh Studio Theater
- 9 Men's basketball vs. Kansas State University, 7 p.m., Bison Sports Arena
- 10 NDSU Baroque Festival—Handel's “Messiah,” 2 p.m., Festival Concert Hall. Tickets are \$15 for adults, \$12 for seniors and \$8 for students. Call 1-9442 for tickets.
- 10 Women's basketball vs. University of Wisconsin-Milwaukee, 2 p.m., Bison Sports Arena
- 14 Women's basketball vs. Valley City State, 7 p.m., Bison Sports Arena
- 15 Commencement—5 p.m., Fargodome

- 15 Wrestling vs. South Dakota State University, 7:30 p.m., Bison Sports Arena
- 16 Men's basketball vs. University of Idaho, 7 p.m., Bison Sports Arena
- 18 Women's basketball vs. San Jose State University, 7 p.m., Bison Sports Arena
- 21 Men's basketball vs. Southwest Minnesota State University, 7 p.m., Bison Sports Arena
- 22 Women's basketball vs. University of Minnesota, 7 p.m., Bison Sports Arena
- 25 Christmas Day—holiday observed
- 28 Men's basketball vs. Mayville State University, 7 p.m., Bison Sports Arena

January

- 1 New Year's Day—holiday observed
- 9 Men's basketball vs. Valley City State University, 7 p.m., Bison Sports Arena
- 12-13 Men's and women's track and field, Bison Open, Bison Sports Arena
- 15 Women's basketball vs. Jamestown College, 7 p.m., Bison Sports Arena
- 16 Men's basketball vs. University of Mary, 7 p.m., Bison Sports Arena
- 19 Wrestling vs. Utah Valley State University, 7:30 p.m., Bison Sports Arena
- 20 Women's basketball vs. Arkansas State University, 7 p.m., Bison Sports Arena
- 25 Men's basketball vs. Texas-Pan American University, 7 p.m., Bison Sports Arena
- 27 Men's basketball vs. Utah Valley State University, 7 p.m., Bison Sports Arena

February

- 1 Wrestling vs. Eastern Illinois University, 7:30 p.m., Bison Sports Arena
- 2 Wrestling vs. University of Northern Colorado, 7:30 p.m., Bison Sports Arena
- 3 Women's basketball vs. South Dakota State University, 7 p.m., Bison Sports Arena
- 8 Women's basketball vs. Indiana University-Purdue University Fort Wayne, 7 p.m., Bison Sports Arena
- 10 Women's basketball vs. New Jersey Institute of Technology, 7 p.m., Bison Sports Arena
- 15 Women's basketball vs. Utah Valley State University, 7 p.m., Bison Sports Arena
- 16 Wrestling vs. University of Northern Iowa, 7:30 p.m., Bison Sports Arena

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