

## Federal grant funds NDSU visual neuroscience center

The National Institutes of Health has awarded a five-year, \$8.9 million grant to establish a Center for Biomedical Research Excellence (COBRE) for visual neuroscience at NDSU.

The director of the center is Mark McCourt, professor of psychology, and individual research projects will be headed by assistant professors of psychology Robert Gordon, Linda Langley and Chris Friesen. In addition, Barbara Blakeslee, research professor of psychology, and Mark Nawrot, associate professor of psychology, will assist McCourt with the development and growth of the center.

Through the competitive grant, researchers will examine various aspects of the neural mechanisms and functional significance of visual perception, visual attention, visual cognition and action. The goal is to form a collaborative research group devoted to the study of normal visual and cognitive human performance, and to develop clinically useful diagnostic tests for assessing visual and cognitive performance, to better understand the neural mechanisms that control eye movements, to characterize how the brain processes visual information and to measure how neural activity is related to visual perception and cognition.

“Our proposal was selected from more than 30 other such applications in this round of competition. That speaks extremely well of the talent we have assembled in the department,” McCourt said. “The significance of the COBRE to our department is tremendous. First, it reduces the likelihood that larger institutions will lure our talented junior faculty away from us. Second, the COBRE will provide for the hiring to two additional junior faculty members in the area of visual and cognitive neuroscience, bringing our complement of faculty in this area up to a total of 10. I know of no other department of our size with as much talent as we possess in cognitive and visual neuroscience.”

McCourt said the COBRE grant will allow NDSU to remodel a portion of Minard Hall to accommodate two state-of-the-art EEG laboratories to conduct electrical brain-imaging experiments. The grant also provides for the hiring of numerous postdoctoral research fellows, technicians, programmers and administrative assistants. The COBRE provides direct funding to support six doctoral students and 15 undergraduate research assistants to work on the research projects.

“NDSU’s research expenditures have surpassed \$100 million in fiscal 2004 because of the talents of NDSU faculty members,” said NDSU President Joseph A. Chapman, also noting that NDSU’s number of doctoral students has increased by 15 percent from last year. “Grants such as the COBRE allow increased research on this campus, providing great opportunities for faculty and students while demonstrating how research is an important economic development tool for our community and region.”

According to Phil Boudjouk, vice president for research, creative activity and technology transfer, Sen. Byron Dorgan has been instrumental in expanding the pool of federal resources for the COBRE grant program, and has been a champion for expanding the list of universities that receive federal grants for leading edge research.

When Dorgan joined the Senate Appropriations Committee in 1997, the COBRE program did not exist. Now, the fiscal 2005 Labor, Health and Human Services Appropriations bill approved by the Senate Appropriations Committee last week would provide \$224 million to the National Institutes of Health for its Institutional Development Award program, including \$136 million specifically for the COBRE initiative.

*cont.*

### President Chapman to deliver State of the University address

President Joseph A. Chapman will deliver his sixth State of the University address at 11 a.m. Thursday, Oct. 14, in Festival Concert Hall. All faculty, staff, students, alumni and friends of the university are invited. A reception will follow in the Reineke Fine Arts Center lobby. The address also can be viewed live on the Web at [www.ndsu.edu/president/address](http://www.ndsu.edu/president/address).

### Blood drive scheduled

A blood drive is scheduled for 1-4 p.m. Wednesday, Sept. 29, at the United Blood Services Mobile Unit, which will be parked on the west side of the Memorial Union. For information on available appointment times, contact [heidi.handegaard@ndsu.nodak.edu](mailto:heidi.handegaard@ndsu.nodak.edu).

### Next Issue

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"NDSU earned this grant by competing against stiff competition throughout the nation," Dorgan said. "This award speaks to the quality of research at NDSU. This center will be a major step into the future for the university and a great expansion of the Red River Valley Research Corridor as it continues its growth as a world-class center of advanced science and technology."

In addition, three internationally renowned vision scientists comprise the center's external advisory committee. Its members include Randolph Blake, Vanderbilt University; Gordon Legge, University of Minnesota; and Christopher Tyler, Smith Kettlewell Eye Research Institute, San Francisco.

This is the second COBRE for NDSU, following a 2001 award for \$8.4 million for a center housed in the chemistry department and College of Pharmacy to study metalloproteins.

## Former student killed in Iraq

Former NDSU student Lance Koenig, an All-American wrestler for the Bison, was killed Sept. 22 by a bomb while on patrol in Iraq as a member of the North Dakota National Guard. Koenig, 33, was assigned to the Jamestown-based Company B of the Guard's 141st Engineer Combat Battalion.

Koenig finished second in the NCAA Division II national tournament as a sophomore and sixth as a junior. Koenig also won the North Central Conference wrestling title as a senior in 1994, but injured his knee in the semifinals of the national tournament.

In an interview with the Associated Press, wrestling coach Bucky Maughan said, "Lance was one of the more successful North Dakota wrestlers. Everybody liked Lance. He was just one of those nice, easy going guys."

Koenig, who lived in Fargo, is survived by his wife and two daughters.

## Alumni association to sponsor homecoming name contest

The NDSU Alumni Association is seeking entries for its homecoming name contest. All NDSU faculty, staff, students, alumni and friends of the university are eligible to enter. A prize will be awarded to the winner.

The Alumni Association is looking for creative and catchy names that incorporate the activities and campus atmosphere associated with homecoming week. The name should be general, and not themed, so that it may be used every year. Examples include university-related names such as "Hobo Days," "Viking Days" and "D-Days."

Entries must be sent to [sara@ndsualumni.com](mailto:sara@ndsualumni.com) by the 5 p.m. Monday, Oct. 4, deadline. More information and a complete list of contest rules are available by calling the Alumni Association at 1-6800 or 1-800-279-8971.

## New criminal justice, political science scholarship established

The Department of Criminal Justice and Political Science has received a \$50,000 endowment to set up the Trinka and Duane Rogne Family Scholarship Fund. Awarded by Trinka and Duane Rogne, the fund was established to support scholarships for undergraduates majoring in criminal justice and political science.

Duane Rogne is the owner of Great North Construction Co., and previously owned the building that now is the Criminal Justice and Public Policy Building and houses the department. Trinka Rogne is the construction manager in Facilities Management.

## Tri-College film library requests due

NDSU Libraries invites NDSU faculty to recommend additions to the Tri-College University Film Library collection. Requests should be submitted by Friday, Nov. 5.

The library includes films, videotapes, DVDs and laser disks suggested by faculty and purchased with funds contributed by NDSU, Minnesota State University Moorhead and Concordia College. Materials are available to Tri-College faculty members for one to three days at no charge as often as needed. Since acquisitions are based primarily on faculty selection, requests for purchase are necessary to update and enhance the collection.

A catalog of materials in the collection and a purchase request form can be found at [www.mnstate.edu/tcufilm](http://www.mnstate.edu/tcufilm). Site visitors may place a purchase request, view current requests and add support to a colleague's request. It is still necessary to forward a bibliographic citation, usually a flyer, of the requested title to the TCU Film Library or the appropriate subject librarian. The film library generally purchases only items recommended by all three campuses and that meet the \$50 minimum purchase price. The TCU Film Library committee, consisting of one library representative from each campus, also selects and purchases materials deemed appropriate.

For request forms or more information, visit [www.lib.ndsu.nodak.edu/collections/TCU/FilmLibrary.htm](http://www.lib.ndsu.nodak.edu/collections/TCU/FilmLibrary.htm) or contact the appropriate subject librarian.

## Transit leaders convene for SURTC steering committee meeting

National and regional transit officials recognized the progress of NDSU's Small Urban and Rural Transit Center (SURTC) at the center's annual steering committee meeting held Sept. 15 at the NDSU Alumni Center.

Part of NDSU's Upper Great Plains Transportation Institute, SURTC was created three years ago to provide transit stakeholders, users, providers, suppliers and agencies information and training on technology and improved management and operations to increase the mobility of small urban and rural residents through improved public transportation.

Committee members discussed issues including consolidation efforts, reduction of insurance costs, elderly and special-needs service improvement, finding and retaining qualified employees, finding affordable resources, and a lack of funding facing

rural transit organizations and suggested potential research areas for the center.

"We would like to see SURTC replicated and adopted as a national model," said committee member Pam Boswell, who represents the American Public Transit Association. She said the association is addressing issues such as increased transit demand from an aging population and in university communities as well as a need for improved technical standards for equipment and operating procedures.

Committee member Dale Marsico, representing the Community Transportation Association of America, noted that rural transportation issues were among the largest issues for rural lawmakers in terms of constituent calls.

Federal Transit Administration representative Barbara Sisson noted that more than 60 federal agencies fund mobility programs across the country. "Consolidating or coordinating those efforts has the potential to allow us to provide \$700 million of added mobility to citizens annually," Sisson said.

"The steering committee continues to provide important input to shape our program and make its programs relevant to transit agencies and to those who depend on transit," said Jill Hough, SURTC director.

The committee also includes representatives from transit organizations and state departments of transportation in North Dakota, South Dakota, Wyoming and Montana.

UGPTI director Gene Griffin said decision-makers need to change their way of thinking. "We need to think of transit, not as transportation, but as mobility. And we need to think of mobility as systemic. We need to think of mobility as an integral part of the overall system," he said.

## People

### Barnhart inducted into parks and recreation hall of fame

Thomas C. Barnhart, professor of health, nutrition and exercise sciences, became the 11th North Dakota Parks and Recreation Hall of Fame inductee at the group's conference held Sept. 14-16 in Fargo. The hall of fame is permanently housed at the Jamestown, N.D., Civic Center.

Barnhart has been at NDSU for 29 years and is the past presiding officer of the University Senate. He has served on the Fargo Park District board of commissioners for 22 years, and has directed the National Youth Sports Program at NDSU for 28 years. Barnhart was president of the American Association for Leisure and Recreation in 1996 and was certified by the association as a leisure professional in 1999.

### Two NDSU communicators receive NFPW honors

Tammy Swift, feature writer in publication services, and Becky Koch, director of Agriculture Communication, received awards in the National Federation of Press Women's communications contest. The awards were presented at the federation's conference held recently in Lexington, Kent.

Swift was named the first runner-up sweepstakes winner for receiving four first-place awards in the contest. Her awards were for a personality profile, health stories, science and environment articles and headline writing.

Koch received a first place award for a black-and-white institutional or image advertisement and a second place award in the maga-paper/tabloid category.

### Schwartz named director of athletic media relations

NDSU athletics named Jeff Schwartz the director of athletic media relations. Director of athletics Gene Taylor and Lynn Dorn, director of women's athletics, made the announcement Sept. 21.

"I'm excited about the new opportunity afforded me at NDSU," said Schwartz, who has been the women's sports information director at the university for 14 years. "I've been able to fulfill a number of professional and personal goals during my career here at NDSU. I am excited for the future of Bison athletics and the role media relations will play."

While at NDSU, Schwartz has earned 42 CoSIDA publication awards, including 11 "Best in the Nation" honors, and six CoSIDA national writing awards. Three of NDSU women's basketball game programs have been judged "Best in the Nation," including the 2003-04 edition of the publication.

Schwartz was the recipient of the American Volleyball Coaches Association's inaugural Grant Burger Media Award in October 1997, and the 1997-98 North Central Conference Honor Award. A member of CoSIDA since 1981, Schwartz currently serves on the Academic All-America Committee as a district coordinator. He also has served on the charity, ethics, writing contest and publication committees.

A native of Columbus, Ohio, Schwartz is a 1981 graduate of Mount Vernon Nazarene College.

### Mahalingam, Kavasseri research findings published

"Improving 'Objective' Digital Images with Neuronal Processing: A Computational Approach," a paper by Ganapathy Mahalingam, program director in architecture, and Rajesh Kavasseri, assistant professor of electrical and computer engineering, recently was published in the International Journal of Architectural Computing.

The paper describes a collaborative research project that examined the neuronal post-processing of images taken with a digital camera. According to the researchers, the results demonstrated that when digital images of a scene are post-processed using the processing characteristics of neurons, they are rendered in a manner that is closer to a subjective perception of the scene.

Mahalingam and Kavasseri contend that the processing method indicates an improvement over traditional linear post-processing methods available in digital image processing software.

## Civil engineering faculty present at international ASEE colloquium

Wei Lin, associate professor of civil engineering, and G. Padmanabhan, professor and director of civil engineering, presented "A University-Tribal Colleges-High Schools partnership to Increase Native American College Graduates in Mathematics, Science and Engineering" at the American Society for Engineering Education (ASEE) international colloquium held Sept. 7-10 at Tsinghua University, Beijing, China.

The presentation, in addition to addressing minority participation in science, technology, engineering and mathematics (STEM) disciplines, provided a model for effective collaboration among schools, community colleges and universities in an effort to strengthen and streamline the processes for students who wish to pursue higher education in the disciplines.

The paper was co-written by Robert Pieri, professor of mechanical engineering; Floyd Patterson, associate professor of electrical and computer engineering; Sharon Cobb, former director of NDSU's Group Decision Center; and Carol Davis, Turtle Mountain Community College.

## Chabora receives Creative Artist of the Year award

Pamela D. Chabora, assistant professor of theater arts, recently was honored as Creative Artist of the Year by the North Dakota Speech Theatre Association (NDSTA). Chabora was recognized for her work directing and choreographing "Fiddler on the Roof" in spring 2004. The award was presented at the association's convention in Mandan, N.D.

During the conference, Chabora also was elected NDSTA vice president, and conducted three performance workshops.

Before coming to NDSU, Chabora was a master teacher of acting at the University of New Hampshire, and head of performance at Susquehanna University, the University of Toledo and the University of Maine at Fort Kent. She has received five meritorious awards from the American College Theatre Festival for directorial concept and ensemble work, and was nominated for the Moss Hart award for Children's Theatre.

## Katti gives presentation at international conference

Kalpana Katti, associate professor of civil engineering, was invited to present "Multi-scale Modeling and Role of Nanostructure in Biomimetic Nanocomposite" at the International Conference on Experimental Mechanics held recently in Bari, Italy.

The presentation included research findings on simulation-based design of novel nanocomposites that mimic biological materials.

Katti also served as chair for a conference session on biosystems and biomaterials. Representatives from more than 40 countries attended the conference.

## Events

### Self-study open forums planned

The NDSU Self-Study Steering Committee has scheduled open forums for the focus group theme "Engagement and Service" and Chapter 1 of the self-study document for 1 p.m. Monday, Oct. 4, and 2 p.m. Thursday, Oct. 7, in the Memorial Union Peace Garden Room.

The committee began the series of open forums to gather campus comments on six "focus group themes" for a report in preparation for site visit by the Higher Learning Commission of the North Central Association. The site visit is anticipated in February 2006.

Earlier forums concentrating on the areas of "Finance," "Mission and the Common Good," "Visions" and "Core Values" also have been held.

The current draft of the Engagement and Service Statement reads, "As called for by its mission, the organization identifies its constituencies and serves them in ways both value."

The proposed core components are:

- The organization learns from the constituencies it serves and analyzes its capacity to serve their needs and expectation.
- The organization has the capacity to engage with its identified constituencies and communities.
- The organization demonstrates its responsiveness to those constituencies that depend upon it for service.
- Internal and external constituencies value the services the organization provides.

Chapter 1 contains the historical overview of NDSU and responses to the concerns and suggestions of the consultant-evaluators from the previous site visit in 1996. Much of the chapter will remain unfinished until the last draft is printed and sent to the Higher Learning Commission.

NDSU faculty, staff and students are encouraged to review and comment on the draft materials. Draft materials are available online at [www.ndsu.edu/ndsu/accreditation/criteria.shtml](http://www.ndsu.edu/ndsu/accreditation/criteria.shtml). Open forum attendees are asked to print and bring their own copies to the discussion.

Anyone unable to attend the open forums may forward their comments to Bob Harrold, self-study coordinator, at 1-8967 or [robert.harrold@ndsu.nodak.edu](mailto:robert.harrold@ndsu.nodak.edu); Deanna Sellnow, faculty co-leader, at 1-8221 or [deanna.sellnow@ndsu.nodak.edu](mailto:deanna.sellnow@ndsu.nodak.edu); Susan Bornsen, at 1-6339 or [susan.bornsen@ndsu.nodak.edu](mailto:susan.bornsen@ndsu.nodak.edu); Laura Oster-Aaland at 1-6339 or [laura.oster-aaland@ndsu.nodak.edu](mailto:laura.oster-aaland@ndsu.nodak.edu); Mary McDonald at 1-7752 or [mary.mcdonald@ndsu.nodak.edu](mailto:mary.mcdonald@ndsu.nodak.edu); or Karen Bjellum at 1-5938 or [karen.bjellum@ndsu.nodak.edu](mailto:karen.bjellum@ndsu.nodak.edu).

### Class to host 'Debate Watch'

An NDSU communication class is scheduled to host "Debate Watch 2004," an examination of the upcoming presidential debate between incumbent George W. Bush and challenger John F. Kerry. The event is scheduled for 8 p.m. Thursday, Sept. 30, in Festival Concert Hall.

After viewing the debate, participants will be encouraged to discuss the debate in a round-table setting. In addition, NDSU Dining Services has donated food and refreshments for participants to enjoy. The doors open at 7:30 p.m., and the public is welcome to attend.

The event is organized by the Communication 425 class taught by graduate teaching assistant Deneen Gilmour. "It's a two-fold learning opportunity for students," said Gilmour. "First, it will bring together hundreds, possibly 1,000 students, to watch and discuss the presidential debate. Secondly, it's an opportunity for the public relations students in my class to plan and host a communitywide event."

For further information, contact Alisha Woessner at (701) 306-1737 or e-mail [alishawoessner@hotmail.com](mailto:alishawoessner@hotmail.com).

## Counseling and Disability Services to offer depression screening

Free depression screenings, sponsored by Counseling and Disability Services, are scheduled for 8 a.m.-5 p.m., Oct. 4-8, in the Counseling Center, Ceres 212.

NDSU and several other college counseling centers across the country will offer the free screenings. All screenings are anonymous. Persons showing symptoms of depressions will be encouraged to obtain a full evaluation.

Common symptoms of depression include feelings of hopelessness, worthlessness, restlessness and irritability, changes in sleep and appetite, loss of energy and thoughts of death or suicide.

According to the National Institutes of Mental Health, depression affects approximately 1.5 million young adults in the United States each year. Although treatment can help nearly 90 percent of those affected, less than half actually seek treatment.

Appointments are suggested but not necessary, and can be made by calling Counseling and Disability Services at 1-7671. The screening process takes approximately 30-45 minutes. Online screenings also are available at [www.ndsu.edu/counseling](http://www.ndsu.edu/counseling).

## English department seminar scheduled

Andrew Trump, lecturer in English, is scheduled to present "'Indians' by Arthur Kopit and 'Buffalo Bill and the Indians or Sitting Bull's History Lesson' by Robert Altman and Allan Rudolph: Onstage and Onscreen Images Considered," at 4 p.m. Wednesday, Sept. 29, in Minard 209.

Trump will analyze what he describes as the deliberate theatricality of the play "Indians" and compare and contrast the visual elements of the film "Buffalo Bill and the Indians or Sitting Bull's History Lesson," which is based on "Indians." He also will discuss how the story of the West and its myths have been changed in this play-to-film progression.

Anyone interested in being a presenter or with suggestions regarding the series should contact William Cosgrove, professor of English, at 1-7147 or [bill.cosgrove@ndsu.nodak.edu](mailto:bill.cosgrove@ndsu.nodak.edu); or Cindy Nichols, senior lecturer in English, at 1-7024 or [cindy.nichols@ndsu.nodak.edu](mailto:cindy.nichols@ndsu.nodak.edu).

## History of local Hispanic community presentation set

Yolanda Arauza, graduate student in history at NDSU and instructor of American multicultural studies at Minnesota State University Moorhead, and Carol Pearson, associate professor of modern languages, will discuss the histories of the Hispanic people in the region in a presentation scheduled for 12:15 p.m. Tuesday, Oct. 5, in the Memorial Union Ballroom.

The presentation will include research findings on the southern Texas communities from which many of the local families arrived, and local histories and individual experiences in the Fargo-Moorhead community.

The event is sponsored by Multicultural Student Services.

## 'Banned Book Week' underway

The NDSU Libraries are participating in the nationwide "Banned Books Week," Sept. 25-Oct. 2. This year's theme is "Open Your Mind to a Banned Book," which calls attention to the freedom to read freely and encourages readers not to take the freedom for granted.

Since its inception in 1982, Banned Books Week has promoted the idea that, while not every book is intended for every reader, each person has the right to decide what to read, listen to or view.

Since 1990, the American Library Association's Office for Intellectual Freedom has recorded more than 7,000 book challenges, which are formal, written complaints requesting that a book be removed from library shelves or school curriculum.

The NDSU libraries will have a display featuring some of the banned books.

Banned Books Week is sponsored by the American Booksellers Association, the American Booksellers Foundation for Free Expression, the ALA, the American Society of Journalists and Authors, the Association of American Publishers and the National Association of College Stores.

## 'Understanding Ramadan' brown bag seminar set

The brown bag seminar "Understanding Ramadan" is set for noon Wednesday, Oct. 6, in the Memorial Union Peace Garden Room.

One of the five pillars of the Islam religion, Ramadan is the ninth month of the Muslim calendar and is celebrated by more than 1 billion people worldwide. Ramadan is a considered a time for contemplation, worship, family and community, and is a time when Muslims observe the Fast of Ramadan. This year, Ramadan is expected to begin Oct. 15.

A question and answer session will follow the presentation. For more information, call 1-5225.

## Electrical and computer engineering seminar set

"Instant University for Dummies: The Consumer Fraud in Higher Education," a presentation by Hans Egil Offerdal, researcher at Central Missouri State University, is scheduled for 1 p.m. Friday, Oct. 1, in Electrical Engineering 125.

Defending the idea of a university as a place where the only objective is to seek knowledge for the sake of knowledge, Offerdal's presentation will address what he asserts is the betrayal by the university of generations of young people and their future.

Offerdal received his education in humanities and social sciences from the University of Bergen, Norway, and at Universidad Centroamericana José Simeón Cañas, El Salvador. His research interests include ethics, human rights, moral theology, church history, international reporting and media literacy.

Offerdal is a former coordinator and special adviser of the UNESCO/ISSC-based Comparative Research Programme on Poverty (CROP) and was a consultant to Redd Barna (Save the Children) of Norway. He has published articles about liberation theology, human rights, Pope John Paul II, the church in Latin America and the war on terrorism. His writings have appeared in various publications worldwide.

### Shorts and Reminders

#### Positions Available

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

Cashier/#3232  
Dining Services-West Dining Center  
12 months; 40 hours/week  
6 a.m.–2:30 p.m.  
\$6.75+/hour  
Sept. 29

Administrative Clerk/#1078  
Dining Services-Union Dining Center  
\$23,400+/year  
Oct. 5

Administrative Secretary/#5214  
Nine months full-time; three months half-time  
Plant Sciences  
\$19,250+/year  
Oct. 6

Cashier/#3289  
Varsity Mart  
\$15,600+/year  
Oct. 6

Wheat Genetics Specialist  
Plant Sciences  
\$26,000+/year  
Sept. 30

Research Specialist/#1227  
Plant Sciences  
\$25,000+/year  
Oct. 5

Research Specialist/#1471  
Plant Sciences  
\$26,000+/year  
Oct. 6

Technology Transfer Assistant  
Technology Transfer/NDSU Research Foundation  
Salary commensurate with education and experience  
Sept. 30

Head of Library Technical Services/#0518  
NDSU Libraries  
\$42,000+/year  
Sept. 30

Payroll Manager/#695  
Payroll  
Salary commensurate with experience  
Oct. 4

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

### Calendar

#### September

Through Oct. 3 Studio Scholarship Exhibition, Reineke Visual Arts Gallery.

Through Oct. 7 "Celebrating Explorers: Commemorating the Lewis and Clark Expedition's Bicentennial" exhibit, Memorial Union Gallery. Special Parents Weekend hours noon-3 p.m. Saturday, Oct. 2. Reception 4:30 p.m. Friday, Oct. 1.

29-30 Varsity Mart sidewalk sale, 9 a.m.-4 p.m.

29 Brown bag seminar—"What's for Dinner?" noon, Memorial Union Peace Garden Room

29 Campus Attractions—Robert Hastings presents government information regarding the existence of UFOs, 7 p.m., Century Theater. Free.

29 Volleyball vs. Minnesota State University Moorhead, 7 p.m., Bentson Bunker Fieldhouse

30 Geosciences—Bernard Wood, University of Bristol, England, and Mineralogical Society of America distinguished lecturer, "Square Pegs in Round Holes: Why and How Trace Elements Enter Minerals," 11:30 a.m., Stevens 134; "The Earth Under Pressure: Minerals of its Deep Interior," 3:30 p.m., Van Es 101. Refreshments at 3 p.m.

30 Faculty recital—Robert Jones, baritone, 7:30 p.m., Beckwith Recital Hall. Free.

**October**

- 1 Plant sciences—Juan Osorno, graduate student, “Interspecific Crosses for the Improvement of Dry Beans: Achievements and Difficulties,” 3:30 p.m., Loftsgard 114
- 1 NDSU Jazz Ensemble and Jazz Combo concert, 7:30 p.m., Festival Concert Hall. Tickets are \$5 for adults and \$2 for students and seniors.
- 4 Self-study open forum, 1 p.m., Memorial Union Peace Garden Room
- 4 NDSU High School Choral Festival concert, 7:30 p.m., Festival Concert Hall.
- 4 Regional studies lecture—Larry Woiwode, “A New Dakota Address,” 7:30 p.m., Beckwith Recital Hall
- 5 Distance and Continuing Education—Technology Training Tools workshop, 8:30 a.m.-4:30 p.m., Memorial Union. Call 1-7015 for information.
- 5 Multicultural Student Services—Yolanda Arauz and Carol Pearson will present a history of the local Hispanic community, 12:15 p.m., Memorial Union Ballroom
- 5 Free staff preview of Little Country Theatre’s “Everyman,” 7:30 p.m., Askanase Auditorium
- 6 Brown bag seminar—“Understanding Ramadan” noon, Memorial Union Peace Garden Room
- 6-10 Little Country Theatre presents “Everyman,” 7:30 p.m. Wednesday-Saturday, 2 p.m. Sunday, Askanase Auditorium
- 6-31 NDSU Visual Arts Alumni Exhibition, Reineke Visual Arts Gallery. Reception 4:30 p.m. Friday, Oct. 15.
- 7 World I View presentation, “The Journey from Bosnia to the United States,” by a Bosnian student panel, noon, Memorial Union Peace Garden Room
- 7 Self-study open forum, 2 p.m., Memorial Union Peace Garden Room
- 8 Plant sciences—Rebekah Oliver, graduate student, “Recent Insights into the Effects of Polyploidization;” Jamie Rust, graduate student, “Molecular Marker Diversity and Genetic Variance,” 3:30 p.m., Loftsgard 114
- 8 Volleyball vs. Northern Colorado (Parents Night), 7 p.m., Bentson Bunker Fieldhouse
- 9 Volleyball vs. South Dakota State University, 7 p.m., Bentson Bunker Fieldhouse
- 10 NDSU fall choral concert, 2 p.m., Festival Concert Hall. Tickets are \$5 for adults and \$2 for students and seniors.
- 11-12 Center for Agricultural Policy and Trade Studies—“Agricultural Competitiveness and Change Under Globalization” conference, Ramada Plaza Suites and Conference Center, Fargo
- 12-Nov. 11 Exhibit by Gretchen Bederman, Memorial Union Gallery. Special Homecoming hours 4-6 p.m. Friday, Oct. 15, and 10 a.m.-1 p.m. Saturday, Oct. 16. Reception 4:30 p.m. Friday, Oct. 29.
- 13 Continuing education—“Leadership from the Ground Up: Effectiveness in Changing Times,” conference live via satellite featuring presentations by Donald Trump, Rudy Giuliani, Stephen R. Covey, Ram Charan, Brian Tracy, Suze Orman and Jack Welch, 9:45 a.m.-4:30 p.m., Speedway Events Center, West Fargo, N.D. Register at [www.luminaryseries.com](http://www.luminaryseries.com).
- 14 Entomology—Marla Spivak, University of Minnesota, “Sniff and Scratch: Hygienic Behavior in Honey Bees,” 1 p.m., Hultz 272
- 15 Plant sciences—Diego Vilaro, graduate student, “Challenges in Marker Assisted Selection of Complex Traits;” Melissa Huhn, graduate student, “Onion Production—Day Length and Bulbing,” 3:30 p.m., Loftsgard 114
- 15 Volleyball vs. University of Winnipeg, 7 p.m., Bentson Bunker Fieldhouse
- 16 Football vs. Southern Utah University (Homecoming), 1 p.m., Fargodome
- 16 Volleyball—NDSU alumni exhibition, 5:30 p.m., Bentson Bunker Fieldhouse
- 16 Jazz Ensemble concert, 7:30 p.m., Festival Concert Hall. Tickets are \$5 for adults and \$2 for students and seniors.
- 18 Soil science—Laurence Shore, Kimmon Veterinary Institute, Ben Dagan, Isreal, “Hormonal Parameters of Ecohydrology: Pigs and Snails and Cattle Trails,” 3 p.m., Walster 220
- 19 Wind Ensemble concert, 7:30 p.m., Festival Concert Hall. Tickets are \$5 for adults and \$2 for students and seniors.
- 20 Brown bag seminar—“The Emerging Leadership Role for Women,” noon, Memorial Union Peace Garden Room
- 20 Soil science—Mark Leibig, Northern Great Plains Research Laboratory, Mandan, N.D., “Effects of Agricultural Practices on Greenhouse Gas Flux: Summary of Research in Semiarid Environments of Northwestern USA and Western Canada,” 3 p.m., Walster 217
- 22 Plant sciences—Kiran Oberoi, graduate student, “Single-Nucleotide Mutations for Plant Functional Genomics,” 3:30 p.m., Loftsgard 114
- 22 Baroque Festival Concert I, 7:30 p.m., Festival Concert Hall. Call 1-9442 for ticket information.
- 23 Football vs. California Polytechnic, 1 p.m., Fargodome
- 24 Baroque Festival Concert II, 7:30 p.m., Festival Concert Hall. Call 1-9442 for ticket information.

- 27 Brown bag seminar—"Career Fairs-Make the Right Impression," noon, NDSU Career Center
- 29 Plant sciences—Ajay Jha, graduate student, "Physical Mapping Using 'Fish,'" 3:30 p.m., Loftsgard 114
- 30 Football vs. Northwestern State of Louisiana (Harvest Bowl), 1 p.m., Fargodome

## November

- 1 NDSU Visual Arts Day and Music Day. Call 1-7932 for information.
- 3-4 Fine craft demonstrations and sales by Donald Cain, 10 a.m.-5 p.m., Memorial Union Alumni Lounge.
- 3 Brown bag seminar—"A Nation Within: Understanding Native American Sovereignty," noon, Memorial Union Prairie Rose Room
- 4 World I View presentation, "Native American Sovereignty," noon, Memorial Union Peace Garden Room.
- 4 Brass Chamber Night, 7:30 p.m., Beckwith Recital Hall.
- 5 Plant sciences—Marcelo Melani, graduate student, "Improving Sunflower Using Its Wild Relatives," 3:30 p.m., Loftsgard 114
- 6 Jazz Arts Group concert, 8 p.m., Festival Concert Hall.

- 10 Woodwind Chamber Night, 7:30 p.m., Beckwith Recital Hall.
- 11 Veteran's Day holiday-university closed
- 12 Plant sciences—Suresh Bhamidimarri, graduate student, "Genetics of Tissue Variegation," 3:30 p.m., Loftsgard 114
- 17-Dec. 15 NDSU juried student art exhibit, Memorial Union Gallery. Reception 4:30 p.m., Wednesday, Nov. 17.
- 17 Brown bag seminar—"Men, Women, Wymyn, Whoa! A Time to Stop and Examine Our Perceptions About Men, Gender and Male-Female Relationships," noon, Memorial Union Peace Garden Room
- 18 Opera workshop performance, 7:30 p.m., Beckwith Recital Hall. Free.
- 19 Plant sciences—Paula Peterson, graduate student, "Mechanism of Glyphosate Resistance," 3:30 p.m., Loftsgard 114
- 19 Vienna Choir Boys, time to be announced, Festival Concert Hall. Tickets are \$15, \$30 and \$40.
- 21 Gold Star Marching Band concert, 2 p.m., Festival Concert Hall. Tickets are \$5 for adults and \$2 for students and seniors.
- 25 Thanksgiving Day holiday-university closed
- 29-Dec. 3 Gift Nook holiday sale, 9:30 a.m.-6 p.m., Memorial Union Alumni Lounge

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