RESEARCH & CREATIVITY

2006 MAJOR SPONSORED PROGRAM AND FACULTY AWARDS FOR RESEARCH & CREATIVE ACTIVITY

OFFICE OF RESEARCH & GRADUATE STUDIES AT THE UNIVERSITY OF NEBRASKA-LINCOLN
Awards of $3 million or more
Awards of $1 million to $2,999,999
Awards of $200,000 to $999,999
CAREER and K Awards
Arts and Humanities Awards of $50,000 or more
Arts and Humanities Awards of $5,000 to $49,999
Patents Issued
Intellectual Property Licences
Creative Works in Fine and Performing Arts
Books
Recognitions and Honors
Glossary of Federal Agency Abbreviations

On the Cover: A photo illustration of UNL’s Diocles Laser, a 100-terawatt, ultra-fast laser with the highest combination of peak and average power of any laser in the United States.
This is the fifth annual “Major Sponsored Program and Faculty Awards for Research and Creative Activity” report. This booklet highlights the successes of University of Nebraska–Lincoln faculty during 2006. The funding sources, projects and investigators on major grants and sponsored program awards received during the year are listed, as well as patents issued; published books and scholarship; fellowships and other recognitions; intellectual property licenses; and performances and exhibitions in the fine and performing arts. This impressive list grows each year and I am pleased to present evidence of our faculties’ accomplishments.

During FY2005-06, we achieved a funding milestone — UNL faculty attracted $104.6 million in external funding to the institution. This is the first time we exceeded $100 million and this in fact tripled the comparable figure achieved ten years ago.

How have we reached this success? We have worked to closely integrate our research priorities with our established programs of excellence building on each success. We zealously foster interdisciplinary research and collaborations with public and private partnerships, thus expanding our economic development efforts by working with business and industry. And we celebrate our achievements and recognize that excellence attracts excellence.

This booklet reports only the largest dollar amounts as reported through our Office of Sponsored Programs. However, the majority of our research and creative activity is conducted by single investigators and scholars who are pioneering new frontiers across all fields. Many faculty obtain funding at levels below the significantly high thresholds set for inclusion in this report. This in no way diminishes their scholarly contributions and we are proud of all faculty achievement.

Thank you for your interest and support of research at UNL. We are on the move!

Prem S. Paul
Vice Chancellor for Research and
Dean of Graduate Studies
**Allen, David**

**Engineering**

Blast Wave Absorbing Structures: an Experimental & Modeling Program

$7,500,000  
6/25/04 – 6/24/09

David Allen, dean of the College of Engineering and professor of engineering mechanics, with funding from the Army Research Laboratory-Weapons and Materials Research Directorate, directs a collaborative effort focused on development of new materials and technologies relevant to blast mitigation and weapons detection. The program includes 24 UNL faculty from six different departments—civil engineering, structural engineering, chemical and biomolecular engineering, electrical engineering, engineering mechanics and mechanical engineering—working on 15 multidisciplinary projects. The projects have the common objective of providing new materials and technologies for blast mitigation, mine detection and pathogen detection.

---

**Banerjee, Ruma**

**Biochemistry**

Redox Biology Center

$10,190,697  
9/30/02 – 8/31/07

Ruma Banerjee, George Holmes University professor of biochemistry in the Institute of Agriculture and Natural Resources, is the director of the Redox Biology Center. The center was established in 2002 with a grant from the National Institutes of Health as a Center of Biomedical Research Excellence. The center’s researchers investigate how cells maintain a reduction-oxidation balance, a process called redox homeostasis, and study links between redox homeostasis and diseases such as cancer, cardiovascular disease, Alzheimer’s disease and cataracts. The center’s research will provide important advances in the understanding of redox regulation, comprising aspects of cellular aging and controlled cell death.

---

**Cassman, Kenneth**

**Nebraska Center for Energy Sciences, Agronomy and Horticulture**

* Nebraska Center for Energy Sciences  
$5,000,000  
4/1/06 - 3/31/2011

Kenneth Cassman directs the Nebraska Center for Energy Sciences Research, a collaboration between UNL and the Nebraska Public Power District. The center was established in April 2006 with NPPD’s five-year, $5 million commitment to support energy research that produces new technologies, processes and systems that provide new or
significantly enhanced renewable energy sources, improves the quality of life and boosts economic opportunity. The center fosters interdisciplinary collaboration among UNL faculty and with other research institutions, public-sector agencies, and private sector companies with similar interests. The center supports both basic and applied research and has a broad mandate to explore a range of renewable energy opportunities (including biofuels, wind and solar energy), as well as opportunities for energy conservation.

**Cotton, Dan**

**Cooperative Extension**

*eXtension—The Transformation of Cooperative Extension*

$6,800,000 (through 12/31/07) National Association of State Universities and Land-Grant Colleges

10/1/04 - 12/31/09

Dan Cotton directs the eXtension Initiative, an Internet-based land-grant university education and information system. UNL is the lead institution in this multi-year project, which partners with the University of Kentucky and North Carolina State University. This is a collaborative effort of the nation’s 107 land-grant universities and the U.S. Department of Agriculture’s Cooperative State Research, Education and Extension Service to develop content and technology for the eXtension project. eXtension is a virtual educational environment that provides science-based, objective information. Users may take advantage of learning opportunities and interact with the expertise available from the land-grant university system.

**Epstein, Michael**

**Special Education and Communication Disorders**

*Center for Behavior and Reading*

$4,498,231 Dept. of Education

10/1/01 - 9/30/07

Michael Epstein, William Barkley Professor of special education and communication disorders, and co-investigator Ron Nelson, associate research professor of special education and communication disorders, have established the Center for Behavior and Reading in the Center for At-Risk Children’s Services to focus on implementing and evaluating reading and behavior intervention programs for school-aged children. The aim of their research is to assess the overall and intervention-specific effects of various programs on school, staff, child and family levels. The project is funded by the U.S. Department of Education and involves seven participating schools in Lincoln’s public school system.

**Fromm, Michael**

**Center for Biotechnology**

*A Protein Interaction Database for Rice Protein Kinases*

$6,057,747 NSF

9/1/02 – 8/31/07

Michael Fromm, director of the Center for Biotechnology and a professor of agronomy and horticulture in the Institute of Agriculture and Natural Resources, is the Plant Genome Research Center’s principal investigator. The center was established in 2002 with a grant from the National Science Foundation and involves scientists from six universities. Research at the center focuses on protein kinases of plants, in particular those of cereal crops. Protein kinases are enzymes that affect the way plants react to their environments. Manipulating kinases could provide a means of regulating the tolerance of plants to disease and environmental stresses, such as drought and temperature extremes.

**Goddard, Stephen**

**Computer Science and Engineering**

*Drought Risk, Impact and Mitigation Information System*

$6,407,473 Dept. of Agriculture-RMA-FCIC School of Natural Resources

9/1/05 – 9/30/08

Stephen Goddard, associate professor of computer science and director of UNL’s Laboratory for Advanced Research Computing, is principal investigator in a $6.4 million joint effort by climatologists and computer scientists to bring cutting-edge computer science technologies to agricultural producers’ age-old decision-making processes. The three-year partnership agreements are between the U.S. Department of Agriculture’s Risk Management Agency, UNL’s Department of Computer Science and Engineering and the UNL-based National Drought Mitigation Center. A separate $1 million cooperative agreement, directed by Donald Wilhite, professor in the School of Natural Resources and director of the
National Drought Mitigation Center, will support continued work on a tool that uses satellite technology and climate information to detect vegetation stress on the ground for a much more detailed view of drought’s scope and potential impact.

Harwood, David  Geosciences
ANDRILL: Investigating Antarctica’s Role in Cenozoic Global Environmental Change
$12,978,160  NSF
6/1/05 – 5/31/10

David Harwood, professor of geosciences, leads an international team of scientists drilling beneath the Antarctic ice pack to unearth geological strata that could hold ancient clues to contemporary global warming trends. The National Science Foundation has awarded $12.9 million to a consortium of five U.S. universities headed by UNL and Northern Illinois University. Dubbed ANDRILL (ANtarctic geological DRILLing), the project is administered by the ANDRILL Science Management Office headquartered at UNL. ANDRILL is backed by more than $30 million in funding, including $9.7 million in previous and ongoing national agreements to support operations and nearly $8 million from the other countries to support scientific research. Other members of the U.S. consortium making up the American portion of the ANDRILL program are Florida State University, Ohio State University and the University of Massachusetts Amherst. The project also includes scientists from Germany, Italy and New Zealand.

Jose, H. Douglas  Agricultural Economics
North Central Risk Management Education Center
$3,600,000  Dept. of Agriculture-CSREES
9/15/04 – 9/14/08

The North Central Risk Management Education Center provides programming leadership and coordination for risk management education in the North Central Region (Kansas, Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Nebraska, Ohio, North Dakota, South Dakota and Wisconsin). It is one of four Risk Management Education Centers in the United States. They were established in 2001 to provide risk management education for agricultural producers to help them develop knowledge, skills and tools needed to make informed risk management decisions for their operations.

Lewis, Jim  Mathematics
Math in the Middle Institute Partnership
$5,000,000  NSF
8/1/04 – 7/31/09

Jim Lewis, professor of mathematics; Ruth Heaton, associate professor of teaching, learning and teacher education; Tom McGowan, professor of teaching, learning and teacher education; and Barbara Jacobson, curriculum director for Lincoln Public Schools, are co-leaders of a $5 million project titled the Math in the Middle Institute Partnership. The goal is to create the next set of leaders in middle school mathematics who will mentor peers and offer challenging courses to their students. During the five years of the project, about 120 teachers will participate in three in-residence summer sessions, four non-resident academic semesters and take 10 courses created by math and pedagogy experts. Middle school is a gateway to high school success, and efforts to improve middle school learning, especially in mathematics, show benefits at later stages in students’ academic careers.

Meagher, Michael  Chemical and Biomolecular Engineering
Process Research & Development of Antibodies as Countermeasures for C. Botulinum Neurotoxin
$10,627,000  DOD-Army Medical Research
3/1/02 – 2/10/07

Michael Meagher, Donald F. Othmer Professor of chemical and biomolecular engineering, is the director of the Biological Process Development Facility. The facility provides clients with process research and early manufacturing of new therapeutic molecules for human clinical testing. The facility is also involved in the development of vaccines against biological warfare agents and products that can be used as therapeutic countermeasures to treat people who have been exposed to biological agents. Department of Defense funding has led to the building of new laboratories that give the Biological Process Development Facility new capabilities in mammalian cell culture process research and development.

Fast-Track Production of a Heptavalent Botulinum Vaccine
$6,799,173  DynPort Vaccine Company
9/1/03 – 2/28/08

Meagher is also collaborating with DynPort Vaccine Co., the University of Colorado, and the U.S. Army Medical Research Institute of Infectious Disease to develop a vaccine that protects against botulinum neurotoxin, a lethal agent that could be used for bioterrorism. The goal is to develop vaccines that protect against five subtypes of the toxin within the next one to two years and to develop a vaccine for the other two types within five years. The new vaccines could eliminate the threat of botulism as a weapon of mass destruction.
**Laurence Rilett**  
*Region 7 University Transportation Center*

$6,225,000  
Department of Transportation—Research and Innovative Technology Administration

2007 – 2010

The U.S. Department of Transportation’s Research and Innovative Technology Administration has designated UNL’s Mid-America Transportation Center as a regional University Transportation Center. MATC is a consortium with UNL as the lead institution with regional partners Kansas State University, University of Kansas, University of Missouri-Rolla and Lincoln University of Missouri. The Nebraska Department of Roads and the Kansas and Missouri Departments of Transportation also are key partners. Laurence Rilett, Keith W. Klaasmeyer Chair in engineering and technology in UNL’s civil engineering department, directs the center. Its focus is “improving safety and minimizing risk associated with increasing multi-modal freight movement on the U.S. surface transportation system.” MATC will focus on safety research related to rural transportation. Key safety research areas include traffic control, animal crashes, safer at-grade railway crossings and work zones and the development of more effective and economical roadside crash barriers. The university transportation centers program supports transportation research, education and technology transfer that promote scientific innovations in a variety of transportation modes and disciplines. Region 7 serves Iowa, Kansas, Missouri and Nebraska. It is one of 10 regional university transportation centers in the nation.

**Sellmyer, David**  
*Center for Materials Research*

Materials Research Science & Engineering Center; Nanomagnetic Structures

$5,491,000  
NSF  
9/1/02 – 8/31/08

David Sellmyer, George Holmes Distinguished Professor in the department of physics and astronomy at UNL, leads the Materials Research Science and Engineering Center. The center was established in 2002 with a grant from the National Science Foundation and involves scientists from the departments of physics and astronomy, chemistry and mechanical engineering, and the School of Biological Sciences. MRSEC projects focus on fabricating and studying new magnetic structures and materials at the nanometer scale. The research has applications in advanced computing and data storage, handheld electronic devices, advanced sensors and future medical technologies.

**Sheridan, Susan**  
*Parent Engagement and Learning Birth to Five*

$5,087,110  
Edwards, Carolyn  
9/26/03 – 9/30/08

Susan M. Sheridan, Willa Cather professor of educational psychology, and co-investigator Carolyn Edwards, Willa Cather professor of psychology and family and consumer sciences, are leading a team of researchers from UNL and UNMC in a school-readiness project funded by three federal agencies. The team will launch and evaluate a comprehensive, community-based early education program for children aged 0-5. The goal is to increase children’s readiness for school by teaching parents to build an effective relationship with their children at home and to be active participants in their children’s learning when they enter school. The program is designed to enhance children’s cognitive, behavioral and socioemotional well-being, which together set the stage for school readiness.

**Tomkins, Alan**  
*Public Policy Center*

Community-Based & Faith-Based Organization Partners in an Integrated System of Behavioral Health Care in Nebraska

$3,504,226  
DHHS-Admin for Children & Families  
9/30/02 – 3/31/06

Alan Tomkins, director of the Public Policy Center and professor of psychology and law, is leading a project funded by the U.S. Department of Health and Human Services. The goal is to enhance and expand the capacity of community- and faith-based organizations to provide high-quality services as part of an integrated system of behavioral health care to rural and urban communities. Among the hoped-for outcomes is to address the problem of insufficient resources by tapping into the extensive network of community- and faith-based organizations who offer behavioral health care services. The project will be a model for other states to emulate in coordinating and integrating these groups into an effective delivery system.

**Velander, William**  
*Chemical and Biomolecular Engineering*

cGMP Recombinant FIX and Oral Hemophilia B Therapy

$9,794,346  
Meagher, Michael  
Van Cott, Kevin  
9/6/05 – 8/31/10

William Velander, Donald R. Voelte Jr. and Nancy A. Keegan Endowed Chair in engineering, is principal investigator in a partnership funded by a $9.9 million grant from the National Institutes of Health/National Heart, Lung and Blood Institute. The goal is to develop an abundant, pure, safe and effective therapy for Hemophilia B using recombinant human coagulation proteins produced in the milk of transgenic pigs. The project builds on innovative bioengineering technologies.
pioneered by Velander that enable improved intravenous and novel oral delivery of hemophilic factors to patients. Hemophilia B is a congenital bleeding disorder that causes pain, crippling injuries and early death. It can be treated by Factor IX, a blood protein, but the costs are prohibitive and most patients do not receive it. Velander’s project isolates Factor IX in the milk of transgenic pigs.

**Production and Purification of Fibrinogen Components for Production Fibrin Sealant of Hemostatic Dressing**

$5,398,990  
DOD-Army Medical Research  
Meagher, Michael  
Chemical and Biomolecular Engineering  
Van Cott, Kevin  
Chemical and Biomolecular Engineering  
Inan, Mehmet  
Chemical and Biomolecular Engineering

8/1/05 – 10/31/08  
Velander is also leading a project, funded by the Department of Defense, to develop processes to produce recombinant fibrinogen and other blood proteins for bandages and implant devices, and to conduct research and clinical trials on their effectiveness. The fibrinogen bandage is a potentially life-saving technology for patients who lose large amounts of blood. When applied, the bandage immediately begins clotting the wound, stemming blood loss. The technology could be used in battlefield or other applications where patients are hemorrhaging. Fibrinogen technology could also play a role in helping develop implantable devices with increased biological compatibility. Fibrinogen made from human plasma is scarce and expensive; Velander has developed a process for producing it from transgenic cattle bred with a human gene that enables them to produce fibrinogen.

**Whitbeck, Les**  
**Sociology**  
Cultural Resilience of Rural & Remote Ojibwe Families  
$3,138,960  
DHHS-NIH-NIMH  
Hoyt, Dan  
Sociology  
7/1/02 – 6/30/07

Ojibwe Pathways Through the High School Years  
$3,262,793  
DHHS-NIH-NIDA  
Johnson, Kurt  
Sociology  
Park, Mingue  
Sociology  
Hoyt, Dan  
Sociology  
9/3/05 – 6/30/12

Les Whitbeck, professor of sociology, is coordinating two major projects. The National Institute of Mental Health is funding a five-year project to identify precursors of mental disorders and to evaluate cultural risks and protective factors among a population of pre-teen Native children in the Upper Midwest area. A second project, funded by the National Institute on Drug Abuse, is a five-year project to investigate risk and resilience for early onset substance use and abuse among pre-teen Native children in the same region.

**Wood, Charles**  
**Biological Sciences**  
Nebraska Center for Virology  
$10,354,057  
DHHS-NIH-NCRR  
9/26/05 – 4/30/10

Charles Wood, Lewis Lehr/3M University Professor of biological sciences, is the director of the Nebraska Center for Virology. The center, funded by the National Institutes of Health, combines the expertise and facilities of Nebraska’s leading biomedical research institutions: UNL, the University of Nebraska Medical Center and Creighton University. Center research addresses pathogenic and therapeutic aspects of some of the most devastating viral and neuroimmune disorders facing the global community, including AIDS, HIV-associated cancers, Alzheimer’s disease and chronic infections caused by herpes viruses and a new class of infectious agents called prions.

**Yohe, John**  
**IANR-Intl Programs**  
International Sorghum/Millet Collaborative Research Support Program (INTSORMIL)  
$36,990,000  
U.S. Agency for International Development  
7/1/96 – 6/30/06  
$9,000,000  
*9/30/06 – 9/29/11

John Yohe, associate professor in the department of agronomy and horticulture, directs the International Sorghum/Millet (INTSORMIL) Collaborative Research Support Program. INTSORMIL is a collaborative international organization that supports research focused on improving nutrition and increasing income in developing countries and the United States. Scientists from U.S. land grant universities collaborate with scientists in host countries in the development of technology to improve production and utilization of sorghum and millet and facilitate natural resource management. Their work is done in Africa, Eurasia, Latin America and the United States.
Awards of $1 Million to $2,999,999
Active awards in 2006
* Indicates new in 2006

Banerjee, Ruma
Biochemistry
Cystathionine Beta Synthase & Hyperhomocysteinemia
$1,177,264 DHHS-NIH-NHLBI
Mechanism of Methylmalonyl-CoAMutase: A Radical Enzyme
$1,023,449 DHHS-NIH-NIDDK
Regulation of Homocysteine-dependent Redox Homeostasis
$1,531,581 DHHS-NIH-NIDDK

Barycki, Joseph
Biochemistry
* Structural Insights into Redox Homeostasis
$1,093,775 DHHS-NIH-NIGMS

Buckendahl, Chad
Educational Psychology
Evaluation of the National Assessment of Educational Progress
$2,398,258 Dept. of Education

Davis, Susan
Educational Psychology

Caldwell, Robert
School of Natural Resources
Thematic Soil Mapping for Site-Specific Management
$1,025,000 Dept. of Agriculture-IFAFS
Dobermann, Achim
Agronomy and Horticulture
Adamchuk, Viacheslav
Biological Systems Engineering
Ferguson, Richard
Agronomy and Horticulture

Cerutti, Heriberto
Plant Science Initiative
RNA-Mediated Silencing: Mechanisms and Biological Roles in Chlamydomonas
$1,042,852 DHHS-NIH-NIGMS

Chen, Bing
School of Engineering Technology
SPIRIT: Silicon Prairie Initiative on Robotics in IT
$1,170,488 NSF

Cotton, Dan
Cooperative Extension
* New Technologies for Ag Extension (eXTension)
$1,425,600 Department of Agriculture-CSREES

DeKraai, Mark
Public Policy Center
Child Mental Health SIG
$1,629,313 Nebraska Dept. Health and Human Services

Diamond, Judy
University of Nebraska State Museum
Explore Evolution
$2,851,409 NSF

Doll, Elizabeth
Educational Psychology
Inspiring Inquiry: Science Instruction Model for Teachers in Rural, Culturally Diverse Schools
$1,261,684 Dept. of Education
Bruning, Roger
Educational Psychology
Bonnstetter, Ron
Teaching, Learning and Teacher Education
Horn, Christy
Educational Psychology
Dzenis, Yuri
Engineering Mechanics
NIRT: Manufacturing of Novel Continuous Nanocrystalline Ceramic Nanofibers
$1,095,200 NSF
Zeng, Xiao Cheng
Chemistry
Engineering Mechanics
Feng, Ruqiang
Engineering Mechanics
Turner, Joseph
Larsen, Gustavo
Chemical and Biomolecular Engineering

Eccarius, Malinda
Special Education and Communication Disorders
Mountain-Prairie Upgrade Partnership
$1,155,054 Dept. of Education

Espy, Kimberly
Associate Vice Chancellor for Research and Graduate Studies
* Prenatal Tobacco Exposure: Perinatal and Genetic Risks
$1,242,130 DHHS-NIH-NIDA
Wiebe, Sandra
Office of Research

Faller, Ronald
Civil Engineering
Evaluation & Field Installation of Steel Tube & Foam Energy Reduction (SAFER) Barrier
$1,045,913 Indianapolis Racing League
Holloway, Jim
Civil Engineering
Reid, John
Mechanical Engineering
Rohde, John
Civil Engineering
Sicking, Dean
Civil Engineering

Farrell, Michael
University Television
* IPY: Engaging Antarctica
$1,168,014 NSF
Diamond, Judy
University of Nebraska State Museum

Farritor, Shane
Mechanical Engineering
Track Stability Assessment & Data Transmission
$1,681,506 Dept. of Transportation-FRA
Turner, Joseph
Engineering Mechanics
Nelson, Carl
Mechanical Engineering
Jones, Elizabeth
Civil Engineering
Khattak, Aemal
Civil Engineering
Sharif, Hamid
School of Engineering Technology
Rilett, Lauren
Civil Engineering

Gladyshev, Vadim
Biochemistry
Functions of Mammalian Thioredoxin Reductases
Selenoprotein as a Target for Cancer Prevention
$1,181,148 DHHS-NIH-NIGMS
$1,356,161 DHHS-NIH-NCI
$1,256,826 DHHS-NIH-NIA
* Identity & Functions of Selenoprotein Genes
$1,138,800 DHHS-NIH-NIGMS

Goddard, Stephen
Computer Science and Engineering
Climate & Soil Risk Information System
$1,212,056 Dept. of Agriculture-RMA
Wilhite, Donald
School of Natural Resources
Hubbard, Kenneth
School of Natural Resources

Green, Jordan
Special Education and Communication Disorders
Early Speech Motor Development
$1,779,288 DHHS-NIH-NIDCD

Hoagland, Kyle
School of Natural Resources
DNR Ground Water Management and Protection Act Service Agreement
$1,500,000 Dept. of Natural Resources

Hubbard, Kenneth
School of Natural Resources
Services of the NOAA Regional Climate Centers
$2,065,032 Dept. of Commerce-NOAA

Jones, Vicky
Northeast Research & Extension Center
Northeast Nebraska Paraprofessional Ladder Project
$1,976,095 Dept. of Education
Lopez, William
Teaching, Learning and Teacher Education

Josiah, Scott
NE State Forest Service
Cooperative Forestry Program
$1,342,785 Dept. of Agriculture-FS

Kamil, Alan
Biological Sciences
Landmarks, Bearings and Way-Finding
$1,338,934 DHHS-NIH-NIMH
Mechanisms of Visual Search and Attention
$1,029,062 DHHS-NIH-NIMH

Koszewski, Wanda
Nutrition and Health Sciences
Building Nebraska Families
$2,226,983 Ne Dept. of Health & Human Serv
Birnstihl, Elizabeth
IANR-Cooperative Ext Nutrition and Health Sciences
Schnepf, Marilynn
Nutrition Education Program
$1,280,914 Ne Dept. of Health & Human Serv
Birnstihl, Elizabeth
IANR Cooperative Extension
Schnepf, Marilynn
Nutritional and Health Sciences

Leslie-Pelecky, Diandra
Physics and Astronomy
GK-12: Project FULCRUM-Building Partnerships
$1,572,817 NSF
Dussault, Patrick
Chemistry
Kirby, Roger
Physics and Astronomy

GK-12: Project Fulcrum: Phase II
$1,987,732 NSF
Kirby, Roger
Physics and Astronomy
Lou, Marjorie
Veterinary and Biomedical Sciences
Protein-Thiol Mixed Disulfide in Cataractogenesis
$1,721,697
DHHS-NIH-Natl Eye Institute

Lu, Yongfeng
Electrical Engineering
Multi-Laser-Beam Open-Atmosphere Surface Coating Techniques Based on Precursor Excitation, Photodissociation and Controlled Cooling
$2,999,970
DOD-Office of Naval Research-MURI
Wang, Xinwei
Mechanical Engineering

Meagher, Michael
Chemical and Biomolecular Engineering
Process Research and Development of Antibodies as Countermeasures for C. Botulinum Neurotoxin
$2,877,000
DOD-Army Space and Missile Defense Command Therapeutic Agents & Vaccines against Biological Warfare
$2,905,899
DOD-Army Medical Research
Schlegel, Vicki
Food Science and Technology
Zhang, Wenhui
Chemical and Biomolecular Engineering
Wu, Joey
Chemical and Biomolecular Engineering
* Purification of proPRT-201 and Production of Reference Standard
$1,126,678
Protein Therapeutics

Nelson, J. Ron
Special Education and Communication Disorders
Portales a Aprender Leer (PAL)
$2,687,442
Dept. of Education

Parkhurst, Lawrence
Chemistry
Assembly Mechanisms of TBP–Nucleated Complexes
$1,115,504
DHHS-NIH-NIGMS

Perez, Lance
Electrical Engineering
* Strengthening Transitions into Engineering Program
$1,648,354
NSF
Ballard, John
Engineering

Ragsdale, Stephen
Biochemistry
Enzymology of Reductive Acetyl-CoA Pathway
$1,235,700
DHHS-NIH-NIGMS

Robertson Jr., Vaughn
Student Affairs
* UNL Educational Talent Search
$2,042,795
Dept. of Education

Sheridan, Susan
Center on Children, Youth, Families and Schools
Evaluation of Efficacy of CBC for Addressing Disruptive Behaviors of Children-at-Risk for Academic Failure
$1,368,067
Dept. of Education
Glover, Todd
Center on Children, Youth, Families and Schools

Simpson, Melanie
Biochemistry
Role of Hyaluronan Matrix in Prostate Cancer Progression
$1,074,629
DHHS-NIH-Natl Cancer Institute

Snow, Greg
Physics and Astronomy
The Cosmic Ray Observatory Project
$1,374,005
NSF
Claes, Daniel
Physics and Astronomy

Umstadter, Donald
Physics and Astronomy
* Research & Development of a High-Power-Laser-Driven Electron Accelerator Suitable for Applications
$1,250,029
DOD-DARPA
Banerjee, Sudeep
Physics and Astronomy

Van Etten, James
Plant Pathology
DNA Replication & Gene Expression of Chlorella Viruses
$1,233,472
DHHS-NIH-NIGMS
Cassman, Kenneth
Agronomy and Horticulture
Knops, Johannes
Agronomy and Horticulture
Arkebauer, Timothy
Agronomy and Horticulture
Dobermann, Achim
Agronomy and Horticulture
Yang, Haishun
Agronomy and Horticulture
Walters, Daniel
Agronomy and Horticulture
Suyker, Andrew
Agronomy and Horticulture
Ginting, Daniel
Agronomy and Horticulture

Verma, Shashi
School of Natural Resources
Great Plains Regional Center for Global Environmental Change
$2,214,769
Dept. of Energy/NIGEC

Walkers, Judy
Mathematics
EMSW21-MCTP: Nebraska Mentoring through Critical Transition Points
$2,500,000
NSF
Marley, Tom
Mathematics

Wedin, David
School of Natural Resources
Sand Hills Biocomplexity: Integrating Biogeophysical Processes Across Space and Time
$1,794,730
NSF
Loope, David
Geosciences
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Description</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weeks, Donald</td>
<td>Biochemistry</td>
<td>Development of Dicamba-Resistant Crops</td>
<td>Monsanto Co.</td>
</tr>
<tr>
<td>Whitbeck, Les</td>
<td>Sociology</td>
<td>Great Plains Cultural Ways Mental Health Careers Program</td>
<td>DHHS-NIH-NIMH</td>
</tr>
<tr>
<td>White, Lynn</td>
<td>Sociology</td>
<td>Infertility: Pathways &amp; Psychosocial Outcomes</td>
<td>DHHS-NIH-NICHD</td>
</tr>
<tr>
<td>Wilcke, William</td>
<td>IANR-Research</td>
<td>North Central Regional Sustainable Agriculture</td>
<td>Dept. of Agriculture-CSREES</td>
</tr>
<tr>
<td>Wilcox, Brian</td>
<td>Center on Children, Families and the Law</td>
<td>Midwest Child Care Research Consortium</td>
<td>DHHS-Admin for Child &amp; Families</td>
</tr>
<tr>
<td>Wilhite, Donald</td>
<td>School of Natural Resources</td>
<td>Rangeland and Forage Geospatial Decision Support System for Drought Risk Management</td>
<td>Dept. of Agriculture-RMA</td>
</tr>
<tr>
<td>Wood, Charles</td>
<td>Biological Sciences</td>
<td>Programs in HIV &amp; AIDS Assoc Diseases/Malignancies</td>
<td>DHHS-NIH-Fogarty Int Center</td>
</tr>
<tr>
<td>Yamamoto, Catherine</td>
<td>Student Affairs</td>
<td>Upward Bound Program–Northeast Nebraska</td>
<td>Dept. of Education</td>
</tr>
<tr>
<td>Zempleni, Janos</td>
<td>Nutrition and Health Sciences</td>
<td>Vitamin-Dependent Modifications of Histones</td>
<td>DHHS-NIH-NIDDK</td>
</tr>
<tr>
<td>Zhang, Luwen</td>
<td>Center for Virology</td>
<td>* Oncogenic Properties of Interferon Regulatory Factor 7</td>
<td>DHHS-NIH-Nat Cancer Institute</td>
</tr>
</tbody>
</table>

**Awards of $200,000 - $999,999**

- **Admiraal, David**
  - Civil Engineering
  - Low-Cost Energy Dissipation at Culvert Exits
  - DHHS-NIH-NIMH
  - $201,856
  - Ne Dept. of Roads

- **Albrecht, Julie**
  - Nutrition and Health Sciences
  - Entrepreneurial Center Development for Food & Textile Small Scale Business in Tajikistan
  - DHHS-NIH-NICHD
  - $256,000
  - Dept. of State-BECA

- **Prochaska-Cue, Kathy**
  - Family and Consumer Sciences
  - Albrecht, Julie
  - Entrepreneurial Center Development for Food & Textile Small Scale Business in Tajikistan
  - DHHS-NIH-NICHD
  - $256,000
  - Dept. of State-BECA

- **Alfano, James**
  - Plant Pathology
  - Isolation & Characterization of Pseudomonas Type III Effectors that Suppress Programmed Cell Death in Eukaryotes
  - NSF
  - $375,000

- **Alexander, Dennis**
  - Electrical Engineering
  - * Ultrafast Laser Interaction Processes for Libs & Other Sensing Technologies
  - University of Central Florida
  - $600,000

- **Alfano, James**
  - Plant Science Initiative/Plant Pathology
  - * Secretion Signals & Type III Chaperones in Pseudomonas Syringae Type III Secretion System
  - NSF
  - $430,000

- **Allen, Craig**
  - School of Natural Resources
  - * Monitoring, Mapping & Risk Assessment for Non-Indigenous Invasive Species in Nebraska
  - Nebraska Environmental Trust
  - $325,081

- **Merchant, James**
  - School of Natural Resources
  - * Cross-Scale Structure & Scale Breaks in Complex Systems
  - James S. McDonnell Foundation
  - $248,986

- **Allen, David**
  - Engineering Mechanics
  - * U.S.-Brazil Dual-Degree in Infrastructure & Sustainability Engineering Program
  - Dept. of Education-FIPSE
  - $208,211

- **Andersen, Mark**
  - Geosciences
  - * Atmospheric Conditions Associated with Sea Ice Characteristics over Arctic Ocean during Melt Season
  - NASA
  - $208,699

- **Asard, Han**
  - Biochemistry
  - Physiological Functions & Biochemical Properties of Plant Cytochromes b561
  - NSF
  - $386,084
Atkin, Audrey Biological Sciences Wild-Type PPR1 mRNA Decay by Yeast Nonsense-Mediated mRNA Decay Pathway $200,000 – $999,999 NSF
Moriyama, Etsuko Plant Science Initiative

Avramov, Luchezar Mathematics Homology & Cohomology over Commutative Rings $200,000 – $999,999 NSF

Avramova, Zoya Biological Sciences ATX1, Epigenetic Regulator of Plant Development $200,000 – $999,999 NSF

Azizinamini, Atorod Civil Engineering Simple for Dead-Continuous for Live Load System with Partial Pre-Fabricated Deck System
Development of Design Tools for Steel Bridge Systems, Simple for Dead Loads & Continuous for Superimposed Dead Load & Live Loads $200,000 – $999,999 NSF

Baenziger, P. Stephen Agronomy and Horticulture Developing Winter Wheat with Improved Fusarium Head Blight Tolerance by Conventional and Transgenic Approaches $200,000 – $999,999 NSF

Balkir, Sina Electrical Engineering * All Solid-State Wireless Sensor Network for Nuclear Proliferation Detection

Barletta, Raul Veterinary and Biomedical Sciences Molecular Analysis of Mycobacterium Paratuberculosis Colony-Morphology Attenuated Mutant $200,000 – $999,999 NSF

Barker, Bradley Center on Children, Youth, Families and Schools/4-H State Office * Robotics & GPS/GIS in 4-H: Workplace Skills for the 21st Century $200,000 – $999,999 NSF

Basolo, Alexandra Biological Sciences Behavioral Plasticity in Preexisting Receiver Bias $200,000 – $999,999 NSF
Effects of Sexual Selection & Prediation on a Genetic Polymorphism for Body Size $200,000 – $999,999 NSF

Batelaan, Herman Physics and Astronomy Matter Optics with Intense Laser Light $200,000 – $999,999 NSF

Becker, Donald Biochemistry Spectroelectrochemistry of the Novel PutA Flavoprotein $200,000 – $999,999 NSF
*MRI: Acquisition of Beckman XL-I Analytical Ultracentrifuge

Bell, Robert Gallup Research Center Verbal Behaviors in Computerized Lifecourse Surveys $200,000 – $999,999 NSF

Bellows, Laurie Graduate Studies Ronald E. McNair Post-baccalaureate Achievement Program $200,000 – $999,999 NSF

Belot, John Chemistry GOALI: Chemical Factors Affecting Metal-Organic Chemical Vapor Deposition Precursors $200,000 – $999,999 NSF

Benson, Andrew Food Science and Technology Functional Consequences of Genome Evolution in Listeria Monocytogenes $200,000 – $999,999 NSF

Berkowitz, David Chemistry New Approaches to Catalyst Screening & Development $200,000 – $999,999 NSF
Development of Cystathionine Beta-Synthase Inhibitors $200,000 – $999,999 NSF

Beukelman, David Special Education and Communication Disorders Rehabilitation Engineering Research Center on Communication Enhancement $200,000 – $999,999 NSF

Bews, Rick Psychology Acquired Appetitive Properties of Nicotine $200,000 – $999,999 NSF

Billesbach, David Biological Systems Engineering Development & Field Testing of a Rapidly Deployable Carbon Dioxide Flux Management System $200,000 – $999,999 NSF
Blum, Paul  
**Biological Sciences**  
Gene Silencing & Catabolite Repression in the Archaeon Sulfolobus Solfataricus  
$413,380  
NSF

Bobaru, Florin  
**Engineering Mechanics**  
* Adaptivity in Peridynamics for Composite Plates  
$203,965  
Dept. of Energy–Sandia National Laboratories

Bond, Alan  
**Biological Sciences**  
Mechanisms of Social Cognition  
$540,260  
DHHS-NIH-NIMH

Kamil, Alan  
**Biological Sciences**  
Virtual Ecology: Experimental Tests of Evolution in Predator-Prey Systems  
$461,000  
NSF

Brand, Jennifer  
**Center for Materials Research**  
Boron Carbide Semiconductor Films  
$347,826  
DOD-Battelle

Belashchenko, Kirill  
**Physics and Astronomy**  
* Novel Rare-Earth Semiconductors for Solid-State Neutron Detectors  
$450,000  
DOD-Defense Threat Reduction Agency

Dowben, Peter  
**Physics and Astronomy**  
Physics and Astronomy

Buckendahl, Chad  
**Educational Psychology**  
Consulting Services/Assist Oklahoma Commission for Teacher Preparation  
$367,160  
Oklahoma Office of Public Affairs

Bulling, Denise  
**Public Policy Center**  
Hospital Preparedness — Bioterrorism  
$250,000  
Ne Dept. of Health and Human Services

Burbach, Mark  
**School of Natural Resources**  
Integrated Real-Time Groundwater-Level Monitoring Network to Support Drought Impact Assessment and Mitigation Programs  
$403,293  
Dept. of Agriculture-RMA

Ramamurthy, Byrav  
**Computer Science and Engineering**  
$448,235  
NSF

Burson, Dennis  
**Animal Science**  
Listeria Monocytogenes Controls in Ready to Eat Meat Products  
$599,732  
Dept. of Agriculture-CSREES

Thippareddi, Harshavardhan  
**Food Science and Technology**  
$389,225  
Cornell University

Cady, Daniel  
**Cooperative Extension**  
Nebraska Technology Transfer Center at UNL  
$377,100  
Ne Dept. of Roads

Azizinamini, Atorod  
**Civil Engineering**  
* Development of Tools for Rating Bridges & Application to State Bridges  
$441,421  
Ne Dept. of Roads

Cantrell, Randolph  
**Center for Applied Rural Innovation**  
* Relocation to the Buffalo Commons: Marketing Approach to Understand Residential Decisions among Migrants  
$220,387  
Dept. of Agriculture-NRICGP

Burkhart-Kriesel, Cheryl  
**Panhandle Research and Extension Center**  
$414,421  
Agricultural Economics

Johnson, Bruce  
**Public Policy Center**  
Hospital Preparedness — Bioterrorism  
$250,000  
Ne Dept. of Health and Human Services

Carlo, Gustavo  
**Psychology**  
Parenting & Sociocognitive Correlates of Prosocial Behaviors in Mexican American & European American Children  
$339,283  
NSF

Carr, Timothy  
**Nutrition and Health Sciences**  
* Method for Enhancing the Cholesterol-Lowering Property of Plant Sterol & Stanol Esters  
$500,000  
Beef Products Inc

Cerutti, Heriberto  
**Biological Sciences/Plant Science Initiative**  
Transcriptional Gene Silencing in Chlamydomonas & Arabidopsis  
$400,000  
NSF

Chollet, Raymond  
**Biochemistry**  
Molecular/Biochemical Investigations of PEPC (and its novel ser/thr-Kinase) and SuSy (Nodulin-100), 2 Phosphorylated Metabolic Enzymes in Plants  
$749,024  
NSF

Claes, Daniel  
**Physics and Astronomy**  
Experimental High Energy Physics  
$573,000  
NSF

Snow, Gregory  
**Physics and Astronomy**  
Physics and Astronomy

Clemente, Thomas  
**Biotechnology/Plant Science Initiative/Agronomy and Horticulture**  
Agrobacterium-Mediated Genetic Transformation of Wheat & Soybeans  
$345,537  
Cornell University

Ramamurthy, Byrav  
**Computer Science and Engineering**  
Research in Nebraska on Improved Soybean Oil for Biodiesel Fuel  
$491,000  
Dept. of Energy

Specht, James  
**Agriculture and Horticulture**  
United Soybean Board/Smith/Bucklin Agronomy and Horticulture

Comfort, Steven  
**School of Natural Resources**  
Field-Scale Demonstrations of Innovative Remediation Techniques for Contaminated Soil and Water  
$994,100  
Environmental Protection Agency
<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Field</th>
<th>Project Title</th>
<th>Funding Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Costello, Don</td>
<td>Computer Science and Engineering</td>
<td>GAANN Fellowships for Computer Science &amp; Engineering</td>
<td>Dept. of Education</td>
<td>$500,000</td>
</tr>
<tr>
<td>Daly, Edward</td>
<td>Educational Psychology</td>
<td>School Psychology Leadership Specialization in Response-to-Intervention Research &amp; Systems Change</td>
<td>Dept. of Education</td>
<td>$800,000</td>
</tr>
<tr>
<td>McCurdy, Merilee</td>
<td>Educational Psychology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheridan, Susan</td>
<td>Educational Psychology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kunz, Gina</td>
<td>Educational Psychology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DiMaggio, Stephen</td>
<td>Chemistry</td>
<td>Hydrogen for Fuel Cells</td>
<td>Dept. of Naval Research</td>
<td>$966,000</td>
</tr>
<tr>
<td>Takacs, James</td>
<td>Chemistry</td>
<td>Hydrogenase and Alkane Functionalization Catalysts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berkowitz, David</td>
<td>Chemistry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Redepenning, Jody</td>
<td>Chemistry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dowben, Peter</td>
<td>Center for Materials Research</td>
<td>Surface Chemistry of Adsorbates on Crystalline Polymers</td>
<td>NSF</td>
<td>$690,000</td>
</tr>
<tr>
<td>Drummond, Wayne</td>
<td>Architecture</td>
<td>Neighborhoods in Transition: Community Outreach Partnerships</td>
<td>Dept. of Housing &amp; Urban Development</td>
<td>$388,914</td>
</tr>
<tr>
<td>Parsons, Gerald</td>
<td>Agricultural Leadership/Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carranza, Miguel</td>
<td>Sociology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cantralero, Rodrigo</td>
<td>Sociology</td>
<td>Community and Regional Planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waite, Michelle</td>
<td>Chancellor’s Office</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Larrick, Steven</td>
<td>Architecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fritz, Susan</td>
<td>Agricultural Leadership/Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Du, Liangcheng</td>
<td>Chemistry</td>
<td>* Biosynthesis of Mycotoxin Fumonisins: Characterization of Enzymes for Vicinal Diol &amp; Tricarballylic Ester Formation</td>
<td>NSF</td>
<td>$284,667</td>
</tr>
<tr>
<td>Ducharme, Stephen</td>
<td>Nanoscience and Physics and Astronomy</td>
<td>* Nanostructure-Designed Dielectric Material for High-Energy-Density Capacitors</td>
<td>DOD-DEPSCoR</td>
<td>$586,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Ferroelectric Polymer Langmuir-Blodgett Films for Nonvolatile Random-Access Memory Applications</td>
<td>NSF</td>
<td>$240,000</td>
</tr>
<tr>
<td>Dwyer, Matthew</td>
<td>Computer Science and Engineering</td>
<td>Software Model Checking for Embedded Systems</td>
<td>Kansas State University</td>
<td>$239,560</td>
</tr>
<tr>
<td>Elbaum, Sebastian</td>
<td>Computer Science and Engineering</td>
<td>Program Analysis Techniques to Support Dependable RTSJ Applications</td>
<td>NSF</td>
<td>$207,519</td>
</tr>
<tr>
<td>Goddard, Stephen</td>
<td>Computer Science and Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rothermel, Gregg</td>
<td>Computer Science and Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engen-Wedin, Nancy</td>
<td>Teaching, Learning and Teacher Education</td>
<td>Indigenous Roots Teacher Education Program</td>
<td>Dept. of Education</td>
<td>$704,730</td>
</tr>
<tr>
<td>Marvin, Chris</td>
<td>Special Education and Communication Disorders</td>
<td>Mountain Prairie Upgrade Partnership - Early Childhood</td>
<td>Dept. of Education</td>
<td>$781,642</td>
</tr>
<tr>
<td>Eccarius, Malinda</td>
<td>Special Education and Communication Disorders</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eckhardt, Craig</td>
<td>Chemistry</td>
<td>* Experimental Investigation of the Role of Defects in Detonation Sensitivity of Energetic Materials</td>
<td>Pfizer Inc/PGRD Groton Labs</td>
<td>$600,000</td>
</tr>
<tr>
<td>Elbaum, Sebastian</td>
<td>Computer Science and Engineering</td>
<td>* A Study of the Mechanochemistry of Carbamazepine Polymorphs</td>
<td>NSF</td>
<td>$227,200</td>
</tr>
<tr>
<td>Redepenning, Jody</td>
<td>Chemistry</td>
<td>* Next Generation Super Carbon Fiber</td>
<td>Hexcel Corporation</td>
<td>$317,127</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Nanoengineered Interfaces</td>
<td>NSF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Modeling-Based Control of Electrospinning Process</td>
<td>NSF</td>
<td></td>
</tr>
<tr>
<td>Engen-Wedin, Nancy</td>
<td>Teaching, Learning and Teacher Education</td>
<td>Indigenous Roots Teacher Education Program</td>
<td>Dept. of Education</td>
<td>$704,730</td>
</tr>
<tr>
<td>Name</td>
<td>Department</td>
<td>Title</td>
<td>Project Description</td>
<td>Funding Agency</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>-------</td>
<td>---------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Epstein, Michael</td>
<td>Special Education and Communication and Disorders</td>
<td>Leadership Training in Emotional Disturbance Disorders</td>
<td>$590,854</td>
<td>Dept. of Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postdoctoral Training in Emotional &amp; Behavioral Disorders</td>
<td>$471,512</td>
<td>Dept. of Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Randomized Clinical Trial of Wraparound Services for Elementary School Students in School Settings</td>
<td>$538,266</td>
<td>Dept. of Education</td>
</tr>
<tr>
<td>Espy, Kimberly</td>
<td>Vice Chancellor for Research and Graduate Studies</td>
<td>* Executive Function Development in Preschool Children</td>
<td>$962,343</td>
<td>DHHS-NIH-NIMH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wiebe, Sandra</td>
<td>Office of Research</td>
<td></td>
</tr>
<tr>
<td>Fabrikant, Ilya</td>
<td>Physics and Astronomy</td>
<td>Collision Processes Involving Low-Energy Electrons</td>
<td>$215,000</td>
<td>NSF</td>
</tr>
<tr>
<td>Faller, Ronald</td>
<td>Civil Engineering</td>
<td>* Development of a New Precast Concrete Bridge Railing System (2006-2008)</td>
<td>$229,820</td>
<td>Ne Dept. of Roads</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bielenberg, Robert</td>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reid, John</td>
<td>Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tadros, Maher</td>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td>Franco, Juan</td>
<td>Vice Chancellor for Student Affairs</td>
<td>NU Directions: Program to Reduce High-Risk Drinking</td>
<td>$468,000</td>
<td>Robert Wood Johnson Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Major, Linda</td>
<td>Student Affairs</td>
<td></td>
</tr>
<tr>
<td>Fritz, Sherilyn</td>
<td>Geosciences</td>
<td>Lake Titicaca Drilling Project</td>
<td>$314,167</td>
<td>NSF</td>
</tr>
<tr>
<td>Gardner, Scott</td>
<td>School of Biological Sciences</td>
<td>Worm-Web: Georeferencing Computerized Data &amp; Linking Databases in the Manter Laboratory of Parasitology</td>
<td>$420,107</td>
<td>NSF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hosier, Aaron</td>
<td>Information Services</td>
<td></td>
</tr>
<tr>
<td>Gaskell, C. Martin</td>
<td>Physics and Astronomy</td>
<td>Variability of Active Galactic Nuclei</td>
<td>$435,611</td>
<td>NSF</td>
</tr>
<tr>
<td>Gay, Timothy</td>
<td>Physics and Astronomy</td>
<td>Polarized Electron Physics</td>
<td>$662,002</td>
<td>NSF</td>
</tr>
<tr>
<td>Gibson, Robert</td>
<td>Biological Sciences</td>
<td>Fellowship for Ecology, Evolution &amp; Behavior at UNL</td>
<td>$625,000</td>
<td>Dept. of Education</td>
</tr>
<tr>
<td>Gitelson, Anatoly</td>
<td>School of Natural Resources</td>
<td>* Land Cover Land Use Change Effects on Surface Water Quality: Integrated MODIS &amp; SeaWiFS Assessment of Dnieper &amp; Don River Basins</td>
<td>$597,799</td>
<td>NASA</td>
</tr>
<tr>
<td>Gladyshev, Vadim</td>
<td>Biochemistry</td>
<td>Identity of Terminator &amp; Selenocysteine UGA Codons</td>
<td>$789,237</td>
<td>DHHS-NIH-NIGMS</td>
</tr>
<tr>
<td>Glover, Todd</td>
<td>Center on Children, Youth, Families and Schools</td>
<td>*Establish a State-Wide Response-to-Intervention Consortium for Training &amp; Evaluation</td>
<td>$253,864</td>
<td>Ne Dept. of Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daly, Edward</td>
<td>Center on Children, Youth, Families and Schools/Educational Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>McCurdy, Merilee</td>
<td>Center on Children, Youth, Families and Schools/Educational Psychology</td>
<td></td>
</tr>
<tr>
<td>Goddard, Stephen</td>
<td>Computer Science and Engineering</td>
<td>Energy-Aware CPU &amp; I/O Scheduling for Embedded, Real-Time Systems</td>
<td>$200,000</td>
<td>NSF</td>
</tr>
<tr>
<td>Goedert, James</td>
<td>Construction Systems</td>
<td>* Rebuilding New Orleans</td>
<td>$293,660</td>
<td>Dept. of Housing and Urban Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bernstein, Stuart</td>
<td>Construction Systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Holmes, William</td>
<td>Construction Systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Morcous, George</td>
<td>Construction Systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schwer, Avery</td>
<td>Construction Systems</td>
<td></td>
</tr>
<tr>
<td>Goodman, Richard</td>
<td>Food Science and Technology</td>
<td>* Assessing the Potential Allergenicity of Proteins Introduced by Genetic Engineering</td>
<td>$450,000</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chen, LingYun</td>
<td>Food Science and Technology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schlegel, Vicki</td>
<td>Food Science and Technology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Taylor, Stephen</td>
<td>Food Science and Technology</td>
<td></td>
</tr>
<tr>
<td>Gosselin, David</td>
<td>School of Natural Resources</td>
<td>* Earth Science Institute for Elementary Educators</td>
<td>$233,606</td>
<td>NASA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bonnstetter, Ronald</td>
<td>Teaching, Learning and Teacher Education</td>
<td></td>
</tr>
<tr>
<td>Graef, George</td>
<td>Agronomy and Horticulture</td>
<td>Sclerotinia Resistance Enhanced by Accumulation of QTL Transgenic Approaches</td>
<td>$301,142</td>
<td>Dept. of Agriculture-ARS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clemente, Thomas</td>
<td>Agronomy and Horticulture</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Steadman, James</td>
<td>Plant Pathology</td>
<td></td>
</tr>
<tr>
<td>Greve, Vickie</td>
<td>Northeast Research and Extension Center</td>
<td>Communities Together Can</td>
<td>$523,000</td>
<td>Dept. of Agriculture-CSREES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Swanson, Douglas</td>
<td>Cooperative Extension</td>
<td></td>
</tr>
</tbody>
</table>
Hage, David  
**Chemistry**  
Chromatographic Automation of Immunoassays  
$959,749  
* Chromatographic Studies of Functional Proteomics  
$779,787  
DHHS-NIH-NIGMS  
DHHS-NIH-NIDDK

Habison, Gerard  
**Chemistry**  
Structure & Dynamics of DNA Hairpins  
$845,363  
DHHS-NIH-NIGMS

Harnisch, Delwyn  
**Teaching, Learning and Teacher Education**  
Nebraska Assessment Cohorts (NAC05/06) & Nebraska Leadership for Learning Cohorts (NLL05/06)  
$200,000  
Ne Dept. of Education

Harris, Steven  
**Plant Science Initiative/Plant Pathology**  
* Autophagy in Fungal Hyphae: Functional Genomic & Mechanical Strength Studies  
$201,907  
University of Maryland-Baltimore

Harshman, Lawrence  
**Biological Sciences**  
Identification of Genes & Proteins that Regulate Stress Resistance  
$505,985  
DOD-DEPSCoR  
* Comparative Functional Genomics of Drosophila Obesity  
$516,548  
Cornell University  
* Molecular Evolution of Genes Expressed in D. melanogaster Sperm Storage Structures  
$283,213  
NSF

Moriyama, Etsuko  
**Plant Science Initiative**  
* Quantitative Genomics of Sexual Dimorphism  
$212,434  
University of California-Davis

Hay, DeLynn  
**IANR-Cooperative Ext**  
North Central Region Sustainable Agriculture Professional Development Program—FY 2005  
$910,283  
Dept. of Agriculture-CSREES

Hebets, Eileen  
**Biological Sciences**  
Searle Scholar: Exploring Neural Basis of Complex Behavior in Amblypygids  
$240,000  
Chicago Community Trust/Searle Scholar

Hein, Gary  
**Panhandle Research and Extension Center**  
Biologically Intensive Areawide IPM of Russian Wheat Aphid & Greenbug  
$516,594  
Dept. of Agriculture-ARS

Henry, Christopher  
**Biological Systems Engineering**  
Livestock Producer Environmental Assistance Project  
$600,000  
Ne Environmental Trust  
* Development of Alternative Technologies for Small Livestock Producers  
$221,881  
Ne Dept. of Environmental Quality  
Gross, Jason  
Biological Systems Engineering

Hergert, Gary  
**Panhandle Research and Extension Center**  
* Enhancing Irrigation Management Tools & Developing a Decision Support System for Managing Limited Irrigation Supplies for the High Plains  
$885,093  
Dept. of Agriculture-RMA-FCIC  
Burgener, Paul  
Panhandle Research and Extension Center  
Lyon, Drew  
Panhandle Research and Extension Center  
Martin, Derrel  
Biological Systems Engineering  
Pavlista, Alexander  
Panhandle Research and Extension Center  
Supalla, Raymond  
Agricultural Economics  
Urrea Florez, Carlos  
Panhandle Research and Extension Center  
Yonts, C. Dean  
Panhandle Research and Extension Center  
* Demonstrate & Adapt Remote Sensing Technology to Produce Consumptive Water Use Maps for the Nebraska Panhandle  
$239,951  
Dept. of Agriculture-NRCS  
Baltensperger, David  
Panhandle Research and Extension Center  
Berger, Aaron  
Panhandle Research and Extension Center  
DeBoer, Karen  
Panhandle Research and Extension Center  
Hla, Aung  
Panhandle Research and Extension Center  
Lyon, Drew  
Panhandle Research and Extension Center  
Pavlista, Alexander  
Panhandle Research and Extension Center  
Yonts, C. Dean  
Panhandle Research and Extension Center

Heusel, Gary  
**Student Involvement**  
Midwest Consortium for Service-Learning in Higher Education  
$469,903  
Corporation for National Service

Hoagland, Kyle  
**School of Natural Resources**  
* Solving Complex Issues in Nebraska: Modeling the Western Platte River Valley-Phase II  
$347,200  
Environmental Protection Agency  
Fritz, Sherilyn  
Geosciences

Holmes, Mary Anne  
**Geosciences**  
* Building a Community of Women Geoscience Leaders  
$228,774  
NSF

Holz, John  
**School of Natural Resources**  
Classification of Nebraska Streams and Rivers: Phase I Data Assessment, Collection and Analysis  
$287,853  
Nebraska Dept. of Environmental Quality  
Hoagland, Kyle  
School of Natural Resources

Horn, Christy  
**Educational Psychology**  
Building Accepting Campus Communities  
$945,171  
Dept. of Education

Hu, Qi (Steve)  
**School of Natural Resources**  
Engaging Agricultural Communities in Great Plains of US with Applications & Development of Climate Prediction & Information  
$436,424  
Dept. of Commerce-NOAA

Hunt, Robert  
**University of Nebraska State Museum**  
* Renovation & Computerization of University of Nebraska Vertebrate Paleontology Collection  
$315,839  
NSF  
Voorhies, Michael  
University of Nebraska State Museum
Hutkins, Robert  
Food Safety: Life-Long Learning through Teacher Training  
Dept. of Agriculture-NRICGP  
$400,000

Durso, Lisa  
Food Science and Technology  
$0

Rupnow, John  
Food Science and Technology  
$0

Thippareddi, Harshavardhan  
Food Science and Technology  
$0

Whipple, Georgianna  
Food Science and Technology  
$0

Hygnstrom, Scott  
School of Natural Resources  
Development of Spatially Explicit Models of Wildlife Diseases  
Dept. of Agriculture-APHIS  
$330,930

Ianno, Natale  
Electrical Engineering  
* Nano-Material Science  
NSF-EPSCoR  
Engineering Mechanics  
$531,500

Inan, Mehmet  
Chemical and Biomolecular Engineering  
Expression of Chimeric Antibody in Pichia pastoris  
Research Corporation  
$297,562

Inderbitzen-Nolan, Heidi  
Psychology  
Etiological Factors in Adolescent Social Phobia  
DHHS-NIH-NIMH  
$614,387

Jaecks, Duane  
Physics and Astronomy  
Mass Dependent Effects in Correlated Motion of Massive Coulomb Interacting Particles  
NSF  
$717,500

Jameson, Mary Liz  
University of Nebraska State Museum  
Monography & Phylogeny of New World Scarabaeoid Beetles  
$755,300

Ratcliffe, Brett  
Entomology  
$0

Jiang, Hong  
Computer Science and Engineering  
* SAM^2 Toolkit: Scalable & Adaptive Metadata Management for High-End Computing  
NSF  
$602,326

Wang, Jun  
Computer Science and Engineering  
$0

Johnson, Ron  
School of Natural Resources  
Common Sense Conservation of Endangered Species-Tern and Plover  
Nebraska Environmental Trust  
$222,513

Jones, Clinton  
Veterinary and Biomedical Sciences  
Functional Analysis of biCPO  
Dept. of Agriculture-CSREES  
$349,500

Zhang, Yange  
Veterinary and Biomedical Sciences  
Regulation of the Latency-Reactivation Cycle by the Bovine Herpesvirus 1 (BHV-1) Latency Related (LR) Gene  
Dept. of Agriculture-CSREES  
$319,600

* Functional Analysis of Proteins Encoded by the Bovine Herpesvirus 1 Latency Related Gene  
$374,475

Jones, Elizabeth  
Civil Engineering  
ITS Resource, Research & Educational Activities at Peter Kiewit Institute  
Ne Dept. of Roads  
$921,414

Jones, Erick  
Industrial and Management Systems Engineering  
Center for Engineering Logistics and Distribution at UNL  
NSF  
$256,000

Jose, H. Douglas  
Agricultural Economics  
Trade Adjustment Assistance Program  
Dept. of Agriculture-RMA  
$705,000

Josiah, Scott  
NE State Forest Service  
Community Enhancement Program  
Ne Dept. of Roads  
$350,000  
* NRCS-Technical Service Provider Project  
Dept. of Agriculture-NRCS  
$334,304

Kelling, Clayton  
Veterinary and Biomedical Sciences  
Role of Nonstructural Proteins in Pestivirus Virion Assembly  
DHHS-NIH-NIAID  
$289,116

Kennedy, Patricia  
Marketing  
Socially Constituted Food Consumption of Adolescents  
Dept. of Agriculture-CSREES  
$350,000

McGarvey, Mary  
Economics  
Nutrition and Health Sciences  
$0

Stanek-Krogstrand, Kaye  
$0

Keown, Jeff  
Animal Science  
Trilateral Curriculum Modification & Rural Community Information Delivery  
Dept. of Education-FIPSE  
$209,157

Kim, Yong Rak  
Civil Engineering  
Restricted-Zone Requirements for Superpave Mixes Made with Local Aggregate Sources in Nebraska  
Ne Dept. of Roads  
Civil Engineering  
$269,350

Azizinamini, Atorod  
Material Selection & Design Consideration for Moisture Damage of Asphalt Pavement  
Ne Dept. of Roads  
Civil Engineering  
$225,527

Azizinamini, Atorod  
$0

Koelsch, Richard  
Biological Systems Engineering  
* Heartland Integrated Water Quality Coordination Initiative  
Iowa State University  
Agronomy and Horticulture  
$250,470

Wortmann, Charles  
$0

Kostelnik, Marjorie  
Education and Human Sciences  
Osher Lifelong Learning Institute  
Bernard Osher Foundation  
Education and Human Sciences  
Education and Human Sciences  
$300,000

Eversoll, Deanna  
Aguilar, Deanna  
$0

$200,000 – $999,999

$200,000 – $999,999
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Title</th>
<th>Institution</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Krull, Dean</td>
<td>Agronomy and Horticulture</td>
<td>Managing Irrigation Systems Today &amp; Tomorrow</td>
<td>Central Platte NRD</td>
<td>$501,671</td>
</tr>
<tr>
<td>Benham, Brian</td>
<td>Agronomy and Horticulture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ferguson, Richard</td>
<td>Agronomy and Horticulture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Langell, Marjorie</td>
<td>Chemistry</td>
<td>Surface Chemistry of Rock Salt &amp; Spinel 3D Transition</td>
<td></td>
<td>$425,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metal Oxides Tailored by Structural &amp; Compositional Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ledder, Glenn</td>
<td>Mathematics</td>
<td>* UBM: Research for Undergraduates in Theoretical Ecology (RUTE)</td>
<td>NSF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lee, Kevin</td>
<td>Physics and Astronomy</td>
<td>ClassAction: Model Rapid-Feedback &amp; Dynam Formative Assess System</td>
<td>NSF</td>
<td>$359,768</td>
</tr>
<tr>
<td>Schmidt, Edward</td>
<td>Physics and Astronomy</td>
<td>Development of Interactive Simulation Environments for Inquiry Astronomy Teaching</td>
<td>NSF</td>
<td>$336,572</td>
</tr>
<tr>
<td>Leslie-Pelecky, Diandra</td>
<td>Physics and Astronomy</td>
<td>Magnetic Properties of Disordered Rare-Earth Nanostructures</td>
<td>NSF</td>
<td>$420,000</td>
</tr>
<tr>
<td>Shield, Jeff</td>
<td>Mechanical Engineering</td>
<td></td>
<td>Dept. of Energy-EPSCoR</td>
<td>$450,000</td>
</tr>
<tr>
<td>Li, Jiangyu</td>
<td>Engineering Mechanics</td>
<td>* Ferroelectric Polymer Nanocomposite Film/Langmuir-Blodgett</td>
<td>NSF</td>
<td>$267,335</td>
</tr>
<tr>
<td>Ducharme, Stephen</td>
<td>Physics and Astronomy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lindquist, John</td>
<td>Agronomy and Horticulture</td>
<td>* Contribution of Fusarium lateritium to Weed Suppressive Soils &amp; Weed Abundance</td>
<td>Dept. of Agriculture-NRICGP</td>
<td>$366,186</td>
</tr>
<tr>
<td>Drijber, Rhae</td>
<td>Agronomy and Horticulture</td>
<td></td>
<td>Plant Pathology</td>
<td></td>
</tr>
<tr>
<td>Yuen, Gary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liou, Sy-Hwang</td>
<td>Physics and Astronomy</td>
<td>Nanometer-Size Magnetic Devices</td>
<td>DOD-DEPSCoR</td>
<td>$236,000</td>
</tr>
<tr>
<td>Liu, Mingsheng</td>
<td>Architectural Engineering</td>
<td>* CC at Mutual of Omaha - Phase III</td>
<td>Omaha Public Power District</td>
<td>$210,319</td>
</tr>
<tr>
<td>Loope, David</td>
<td>Geosciences</td>
<td>Paleometeorological Records from Sand Dunes &amp; Eolian Sand Stones</td>
<td>NSF</td>
<td>$262,570</td>
</tr>
<tr>
<td>Louda, Svata</td>
<td>Biological Sciences</td>
<td>Single vs. Multiple Insect Herbivore Guild Interactions in Canada Thistle Dynamics</td>
<td>Dept. of Agriculture-NRICGP</td>
<td>$408,760</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Insect Herbivore Guild Interactions &amp; Tall Thistle Population Dynamics</td>
<td>NSF</td>
<td>$369,999</td>
</tr>
<tr>
<td>Lu, Yongfeng</td>
<td>Electrical Engineering</td>
<td>Laser-Assisted Fabrication of Large-Scale 3-D Photonic Bandgap Structures</td>
<td>DOD-DEPSCoR</td>
<td>$350,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Magnetic Confinement of Plasmas in Laser-Induced Breakdown Spectroscopy for Improved Sensitivity &amp; Accuracy</td>
<td>Dept. of Energy</td>
<td>$249,306</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Self-Integration of Carbon-Nanotube Sensors in Functional Integrated Circuits</td>
<td>NSF</td>
<td>$240,000</td>
</tr>
<tr>
<td>Mackenzie, Sally</td>
<td>Plant Science Initiative</td>
<td>Machinery of Mitochondrial Recombination in Higher Plants</td>
<td>NSF</td>
<td>$494,080</td>
</tr>
<tr>
<td>Christensen, Alan</td>
<td>Biological Sciences</td>
<td>Mitochondrial Sorting &amp; Inheritance in Arabidopsis</td>
<td>NSF</td>
<td>$303,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nuclear-Organellar Interactions Involving AtMSH1 in Arabidopsis</td>
<td>NSF</td>
<td>$360,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Strategy for the Transgenic Induction of Cytoplasmic Male Sterility in Crop Plants</td>
<td>Dept. of Agriculture-BRDC</td>
<td>$404,858</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Training Graduate Students in Plant Breeding using Crop Drought Tolerance Improvement as a Model</td>
<td>Dept. of Agriculture-NRICGP</td>
<td>$200,000</td>
</tr>
<tr>
<td>Fromm, Michael</td>
<td></td>
<td></td>
<td>Plant Science Initiative</td>
<td></td>
</tr>
</tbody>
</table>
Mamo, Martha  
Agronomy and Horticulture  
Pollution & Economic Decision Support Tool for Impaired Watershed Management Plans in Eastern Nebraska  
$335,000  
Dept. of Agriculture-CSREES  

Helmers, Glenn  
Agricultural Economics  
Ginting, Daniel  
Agronomy and Horticulture  
Wortman, Charles  
Agronomy and Horticulture  

Martin, Alex  
Agronomy and Horticulture  
IWM Implementation: A Regional Approach  
$766,718  
Dept. of Agriculture-CSREES  

Martin, Derrel  
Biological Systems Engineering  
Modeling and Field Experimentation to Determine Effects of Land Terracing-Republican River Basin (CESU)  
$359,800  
Dept. of Interior-BR  
Food & Agricultural Sciences National Needs Graduate Fellowship Grants Program  
$276,000  
Dept. of Agriculture-CSREES  

McQuillan, Julia  
Sociology  
* Infertility: Pathways & Psychosocial Outcomes  
$229,420  
Pennsylvania State University  

Meagher, Michael  
Chemical and Biomolecular Engineering  
Recombinant Type E Botulinum Neurotoxin Vaccine  
$345,756  
DynPort Vaccine Company  
Swanson, Todd  
Chemical and Biomolecular Engineering  
* Optimization of Phytase Production in Pichia Pastoris  
$372,874  
Syngenta  
Inan, Mehmet  
Chemical and Biomolecular Engineering  
* Proteon Fermentation Protocol Selection  
$351,091  
Proteon Therapeutics  

Miller, Nancy  
Textiles, Clothing and Design  
Collaborative Research on Small Business Network Creation and Outcomes for Change and Innovation  
$230,011  
NSF  

Mitra, Amit  
Plant Pathology  
Efficient Gene Silencing by Intrinsic Direct Repeats: Mechanism & Utilization  
$390,000  
NSF  

Morris, T. Jack  
Biological Sciences  
The Role of a Host Protein (TIP) in the Resistance Response of Arabidopsis to Turnip Crinkle Virus Infection  
$360,000  
Dept. of Energy  
Qu, Feng  
Biological Sciences  

Moxley, Rodney  
Veterinary and Biomedical Sciences  
Influence of Enterotoxins on Virulence and Colonization of Porcine Intestine by E.coli  
$270,000  
Dept. of Agriculture-NRICGP  
Role of A/E Proteins in E.Coli:0157:H7 in Intestinal Colonization of Adult Cattle  
$370,000  
Dept. of Agriculture-NRICGP  

Nickerson, H. Doak  
NE State Forest Service  
* Restoring the Pine Ridge Forest Ecosystem  
$300,000  
Ne Environmental Trust  

Noureddini, Hossein  
Chemical and Biomolecular Engineering  
* Reduction of Phosphorus from Ethanol By-Product used as Livestock Feed  
$210,781  
Nebraska Corn Board  

Oglesby, Robert  
Geosciences  
* Evaluating the Role of Global Snow Cover on Seasonal to Interannual Predictability of Temperature & Precipitation  
$598,216  
NASA  

Orr, John  
Mathematics  
Evolution of Advanced Electronic Educational Support Material  
$408,752  
Brownstone Research Group  

Orti, Guillermo  
Biological Sciences  
RCN: DeepFin Will Advance the Phylogeny of “Fishes”  
$500,000  
NSF  

Pattnaik, Asit  
Veterinary and Biomedical Sciences  
Analyses of Virulence & Attenuation Determinants of PRRSV using Reverse Genetics  
$320,000  
Dept. of Agriculture-NRICGP  
Osorio, Fernando  
Veterinary and Biomedical Sciences  
VSV RNA Transcription and Replication  
$996,128  
DHHS-NIH-NIAID  

Perez, Lance  
Electrical Engineering  
* Self-Configuration & Localization in Ad Hoc Wireless Sensor Networks  
$548,807  
DOD-DEPSCoR  
Goddard, Stephen  
Computer Science and Engineering  

Peters, Ed  
School of Natural Resources  
Nebraska Statewide Stream Inventory  
$329,967  
Ne Game & Parks Commission  

Pilson, Diana  
Biological Sciences  
Transgenic Virus Resistant Squash: Ecological Effect  
$314,877  
Dept. of Agriculture-CSREES  
Morris, T. Jack  
Biological Sciences  

Platt, Stephen  
Mechanical Engineering  
* In Vivo Robotic Camera System for Laparoscopic Surgery  
$394,550  
DHHS-NIH-NIBIB  
Farritor, Shane  
Mechanical Engineering  

Powell, Larkin  
School of Natural Resources  
* Productivity and Biology of Ducks Nesting in the Sandhills of Nebraska  
$824,969  
Ne Game & Parks Commission
Ragsdale, Stephen  
Biochemistry  
Enzymology of Methanogenesis: Mechanism of Methyl-Coenzyme M Reductase  
$200,000  
Dept. of Energy  
Biochemistry of the Anaerobic Dehalogenation of Chlorinated Aromatics  
$435,000  
NSF

Rajca, Andrzej  
Chemistry  
Organic Polymers with Magneto-Dielectric Properties  
$308,608  
DOD-Air Force Off of Sci Rsch  
Very High-Spin Polyradicals & Chiral Pi-Conjugated Systems  
$555,000  
NSF

Rajurkar, Kamlakar  
Industrial and Management Systems Engineering  
Analysis & Gap Monitoring for Improving Micro EDM Performance-Supplement  
$202,500  
NSF  
Yu, Zuyuan  
Industrial and Management Systems Engineering

Ramamurthy, Byrav  
Computer Science and Engineering  
Secure Group Communication over Wired & Wireless Networks  
$349,990  
NSF  
Variyam, Vinod  
Computer Science and Engineering

Ratcliffe, Brett  
Entomology  
A Faunistic Survey of the Dynastinae of Honduras, Nicaragua & El Salvador  
$342,842  
NSF

Redepenning, Jody  
Center for Materials Research  
Chemically Modified Nano-Electrodes for Magneto-electronics Applications  
$390,000  
NSF  
Binek, Christian  
Physics and Astronomy  
Sokolov, Andrei  
Physics and Astronomy

Reichenbach, Stephen  
Computer Science and Engineering  
SEI: Information Modeling for Comparative Visualizations & Analyses  
$351,428  
NSF

Reid, John  
Mechanical Engineering  
Investigating the Use of Small Diameter Softwood as Guardrail Posts  
$280,000  
Dept. of Agriculture-FS  
Faller, Ronald  
Civil Engineering

Reid, Robert  
Special Education and Communication Disorders  
* Leadership Training in Attention Deficit Hyperactivity Disorder  
$620,006  
Dept. of Education

Rilett, Laurence  
Civil Engineering  
Development of State of the Art Traffic Micro-Simulation Model for Nebraska  
$222,896  
Ne Dept. of Roads  
Jones, Elizabeth  
Civil Engineering  
* Intelligent Transportation System Deployment Project

Robertson, Brian  
Mechanical Engineering  
Development of a Novel Inorganic Dielectric Barrier Layer for Magneto-Resistive Junctions  
$400,000  
NSF  
Doudin, Bernard  
Physics and Astronomy  
Dowben, Peter  
Physics and Astronomy

Rohde, John  
Civil Engineering  
Midwest States Regional Pooled Fund Program-Yr 16  
$535,000  
Ne Dept. of Roads  
Sicking, Dean  
Civil Engineering  
Reid, John  
Mechanical Engineering  
Faller, Ron

Rothermel, Gregg  
Computer Science and Engineering  
CRI: Community Resource to Support Controlled Experimentation with Program Analysis and Testing Techniques  
$874,636  
NSF  
Elbaum, Sebastian  
Computer Science and Engineering  
Dwyer, Matthew  
Computer Science and Engineering  
* ITR: Dependable End-User Software

Rupp, Gary  
Veterinary and Biomedical Sciences  
* Biosecurity Practices/Wholesome Food  
$249,792  
Dept. of Agriculture-CSREES  
Griffin, Dee  
Veterinary and Biomedical Sciences  
Smith, David R  
Veterinary and Biomedical Sciences

Samal, Ashok  
Computer Science and Engineering  
* Building Knowledge Discovery & Information Fusion Tools for Collaborative Systems to Adaptively Manage Uncertain Hydrological Resources  
$552,100  
NSF  
Chen, Xun-Hong  
School of Natural Resources  
Soh, Leen-Kiat  
Computer Science and Engineering  
Tomkins, Alan  
Public Policy Center  
Zellmer, Sandra  
College of Law

Saraf, Ravi  
Chemical and Biomolecular Engineering  
Nanodevice for Imaging Normal Stress Distribution with Application in Sensing Texture and Feel by Touching  
$272,156  
NSF

Schacht, Walter  
Agronomy and Horticulture  
Grasslands Ecological Monitoring System  
$608,880  
Dept. of Agriculture-RMA-FCIC
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheffler, Marilyn</td>
<td>Special Education and Communication Disorders</td>
<td>Project PROMOTE</td>
</tr>
<tr>
<td>$797,184</td>
<td>Dept. of Education</td>
<td></td>
</tr>
<tr>
<td>Sanger, Dixie</td>
<td>Special Education and Communication Disorders</td>
<td>Project Support: Speech-Language Pathologists Supporting Literacy Instruction</td>
</tr>
<tr>
<td>$800,000</td>
<td>Dept. of Education</td>
<td></td>
</tr>
<tr>
<td>* Sanger, Dixie</td>
<td>Special Education and Communication Disorders</td>
<td>Project Re-entry: Preparing Speech-Language Pathologists to Serve Students with Traumatic Brain Injury</td>
</tr>
<tr>
<td>$800,000</td>
<td>Dept. of Education</td>
<td></td>
</tr>
<tr>
<td>Hux, Karen</td>
<td>Special Education and Communication Disorders</td>
<td></td>
</tr>
<tr>
<td>Sellmyer, David</td>
<td>Physics and Astronomy</td>
<td></td>
</tr>
<tr>
<td>$270,000</td>
<td>Dept. of Energy</td>
<td></td>
</tr>
<tr>
<td>Shank, Nancy</td>
<td>Public Policy Center</td>
<td>Bridging the Gap: Information &amp; Referral Database Interoperability</td>
</tr>
<tr>
<td>$600,000</td>
<td>Dept. of Commerce-NTIA</td>
<td></td>
</tr>
<tr>
<td>Shapiro, Charles</td>
<td>Northeast Research and Extension Center</td>
<td>Improving Organic Farming Systems across Nebraska Agroecosystems</td>
</tr>
<tr>
<td>$762,949</td>
<td>Dept. of Agriculture-CSREES</td>
<td></td>
</tr>
<tr>
<td>Bultensperger, David</td>
<td>Panhandle Research and Extension Center</td>
<td></td>
</tr>
<tr>
<td>Brandle, James</td>
<td>School of Natural Resources</td>
<td></td>
</tr>
<tr>
<td>Francis, Charles</td>
<td>Agronomy/Horticulture</td>
<td></td>
</tr>
<tr>
<td>Knezevic, Stevan</td>
<td>Northeast Research and Extension Center</td>
<td></td>
</tr>
<tr>
<td>Wright, Robert</td>
<td>Entomology</td>
<td></td>
</tr>
<tr>
<td>Johnson, Ron</td>
<td>School of Natural Resources</td>
<td></td>
</tr>
<tr>
<td>Shea, Patrick</td>
<td>School of Natural Resources</td>
<td></td>
</tr>
<tr>
<td>* Shea, Patrick</td>
<td>Targeting Watershed Vulnerability &amp; Behaviors Leading to Adoption of Conservation Management Practices</td>
<td></td>
</tr>
<tr>
<td>$570,000</td>
<td>Dept. of Agriculture-CSREES</td>
<td></td>
</tr>
<tr>
<td>Burbach, Mark</td>
<td>School of Natural Resources</td>
<td></td>
</tr>
<tr>
<td>Lynne, Gary</td>
<td>Agricultural Economics</td>
<td></td>
</tr>
<tr>
<td>Martin, Alexander</td>
<td>Agronomy and Horticulture</td>
<td></td>
</tr>
<tr>
<td>Milner, Maribeth</td>
<td>Agronomy and Horticulture</td>
<td></td>
</tr>
<tr>
<td>Sheridan, Susan</td>
<td>Educational Psychology</td>
<td>Leadership Training in Interdisciplinary Collaboration</td>
</tr>
<tr>
<td>$800,000</td>
<td>Dept. of Education</td>
<td></td>
</tr>
<tr>
<td>Shield, Jeffrey</td>
<td>Mechanical Engineering</td>
<td>The Effect of Long-Range Dumbbell Ordering on the Properties &amp; Microstructures of Rare Earth Permanent Magnets</td>
</tr>
<tr>
<td>$340,000</td>
<td>NSF</td>
<td></td>
</tr>
<tr>
<td>Sicking, Dean</td>
<td>Civil Engineering</td>
<td>Identification of Vehicular Impact Conditions Associated with Serious Ran-Off-Road Crashes</td>
</tr>
<tr>
<td>$634,521</td>
<td>Natl Coop Hwy Rsch Prog</td>
<td></td>
</tr>
<tr>
<td>Khattak, Aemal</td>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td>Jones, Elizabeth</td>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td>* Reid, John</td>
<td>Mechanical Engineering</td>
<td>Improved Procedures for Safety Performance Evaluation of Roadside Features</td>
</tr>
<tr>
<td>$833,940</td>
<td>Natl Coop Hwy Rsch Prog</td>
<td></td>
</tr>
<tr>
<td>Rohde, John</td>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td>Faller, Ronald</td>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td>Siegfried, Blair</td>
<td>Entomology</td>
<td>A Site Specific Field Corn IPM Program that Incorporates Transgenic Technology</td>
</tr>
<tr>
<td>$283,913</td>
<td>Pennsylvania State University</td>
<td></td>
</tr>
<tr>
<td>* Siegfried, Blair</td>
<td>Quantifying Risk Factors for Evolution of European Corn Borer Resistance to Cry1F Expressing Corn Hybrids</td>
<td></td>
</tr>
<tr>
<td>$346,845</td>
<td>Dept. of Agriculture-CSREES</td>
<td></td>
</tr>
<tr>
<td>Simpson, Melanie</td>
<td>Biochemistry</td>
<td>Role of Hyaluronan in Prostate Cancer Progression</td>
</tr>
<tr>
<td>$326,250</td>
<td>DOD-Army Medical Research</td>
<td></td>
</tr>
<tr>
<td>Sincovec, Richard</td>
<td>Computer Science and Engineering</td>
<td>MRI: Acquisition of High Performance Computing &amp; Data Visualization for Scientists &amp; Engineers</td>
</tr>
<tr>
<td>$500,000</td>
<td>NSF</td>
<td></td>
</tr>
<tr>
<td>Jiang, Hong</td>
<td>Computer Science and Engineering</td>
<td></td>
</tr>
<tr>
<td>Ramamurthy, Byrav</td>
<td>Computer Science and Engineering</td>
<td></td>
</tr>
<tr>
<td>Seth, Sharad</td>
<td>Computer Science and Engineering</td>
<td></td>
</tr>
<tr>
<td>Swanson, David</td>
<td>Computer Science and Engineering</td>
<td></td>
</tr>
<tr>
<td>Smith, Andrew</td>
<td>University of Nebraska State Museum</td>
<td>Scarab Biodiversity of Southern South America</td>
</tr>
<tr>
<td>$300,000</td>
<td>NSF</td>
<td></td>
</tr>
<tr>
<td>Ocampo, Federico</td>
<td>University of Nebraska State Museum</td>
<td></td>
</tr>
<tr>
<td>Smith, David R.</td>
<td>Veterinary and Biomedical Sciences</td>
<td>Intervention Strategies to Reduce Escherichia Coli 0157:H7 in Beef Feedyards</td>
</tr>
<tr>
<td>$500,000</td>
<td>Dept. of Agriculture-NRICGP</td>
<td></td>
</tr>
<tr>
<td>Erickson, Galen</td>
<td>Animal Science</td>
<td></td>
</tr>
<tr>
<td>Hinkley, Susanne</td>
<td>Veterinary and Biomedical Sciences</td>
<td></td>
</tr>
<tr>
<td>Klopfenstein, Terry</td>
<td>Animal Science</td>
<td></td>
</tr>
<tr>
<td>Moxley, Rodney</td>
<td>Veterinary and Biomedical Sciences</td>
<td></td>
</tr>
<tr>
<td>Snow, Gregory</td>
<td>Physics and Astronomy</td>
<td>* GAANN Fellowships for Physics at UNL</td>
</tr>
<tr>
<td>$380,016</td>
<td>Dept. of Education</td>
<td></td>
</tr>
<tr>
<td>Somerville, Greg</td>
<td>Veterinary and Biomedical Sciences</td>
<td>* Environmental Regulation of Staphylococcus epidermidis PIA Synthesis</td>
</tr>
<tr>
<td>$367,000</td>
<td>DHHS-NIH-NIGMS</td>
<td></td>
</tr>
</tbody>
</table>
Soukup, Rodney  Electrical Engineering
Electronic Devices of Germanium Carbide
$270,000

Ianno, Natale  Electrical Engineering

Specht, James  Agronomy and Horticulture
Elevating Protein Content in the North Central USA Soybean-Growing States
$642,199

Graef, George  Agronomy and Horticulture
* Genetic Mapping & Application of SNP DNA Markers in Soybean
$291,391

Spreitzer, Robert  Biochemistry
Role of the Rubisco Small Subunit
$748,000

* Rubisco Phylogenetic Engineering
$202,383

Srissa-an, Witawas  Computer Science and Engineering
Building Scalable & Adaptive Garbage Collector for Server Systems
$281,000

Elbaum, Sebastian  Computer Science and Engineering

Starace, Anthony  Physics and Astronomy
Dynamics of Few-Body Atomic Processes
$996,337

* Strong Field & Ultrafast Atomic and Molecular Processes
$210,000

Steadman, James  Plant Pathology
Bean/Cowpea Collaborative Research Support Program
$394,481

* Resistance Improvement of Bean thru Multi-Site Screening & Pathogen Characterization
$204,650

Steffen, David  Veterinary and Biomedical Sciences
* Johne’s Disease Testing
$208,000

Stentz, Terry  Construction Management
Human Factors in Railway Operation
$301,250

Jones, Elizabeth  Civil Engineering
Rilett, Laurence  Civil Engineering
Khattak, Aemal  Civil Engineering
Riley, Michael  Industrial and Management Systems Engineering
Jones, Erick  Industrial and Management Systems Engineering
* Analytic Study of Acute Extremity Lacerations in Meat Packing
$293,690

Stone, Julie  Plant Science Initiative/Biochemistry
* Role of Transcriptional Regulator in Programmed Cell Death & Plant Development
$240,000

Storz, Jay  Biological Sciences
$492,000

Stubbendieck, James  Great Plains Studies
Farm Viability, Farmland Preservation and Smart Growth
$308,000

Esseks, J. Dixon  Great Plains Studies

Subramanian, Anu  Chemical and Biomolecular Engineering
Prep Zirconia Aggregates/Adsorbents in Bioseparations
$270,131

Swanson, David  Computer Science and Engineering
US CMS Tier 2 Center
$300,000

Tadros, Maher  Civil Engineering
* Class C Fly Ash in Concrete Pavement
$321,379

Takacs, James  Chemistry
Novel Cyclization Reactions for Organic Synthesis
$422,500

Taylor, Steve  Food Science and Technology
* Food Allergen Database
$346,406

Thippareddi, Harshavardhan  Food Science and Technology
Understanding and Controlling Listeria Monocytogenes Transmission through Ready-to-Eat Meat Products
$222,270

HACCP Assistance for Small & Very Small Processors with Development & Validation of Safe Meat Chilling Processes
$599,916

Wang, Lijun  Biological Systems Engineering
Burson, Dennis  Animal Science
HACCP Training & Research to Assist Meat Processors with Process Deviations for Lethality & Stabilization
$495,640

Froning, Glenn  Department of Agriculture-CSREES
Subbiah, Jeyamkondan  Biological Systems Engineering

$200,000 – $999,999

$200,000 – $999,999
Thomas, Steven  
School of Natural Resources  
* FIBR: Linking Genes to Ecosystems  
University of California-Riverside  
$307,189

Tiller, Dale  
School of Engineering Technology  
Converging Redundant Sensor Network  
Information for Improved Building Control  
$327,000  
Henze, Gregor  
School of Engineering Technology  
Dept. of Energy-Natl Energy Tech

Torquati, Julia  
Family and Consumer Sciences  
Evaluation of Promising Models and Delivery  
Approaches to Child Care Provider Training  
$305,393  
Wilcox, Brian  
Center on Children, Families and the Law  
Raikes, Helen  
Center on Children, Families and the Law

Trainin, Guy  
Teaching, Learning and Teacher Education  
* Arts Linc  
Lake Elsinore USD  
$261,674

Tsymbal, Evgeny  
Physics and Astronomy  
Theory of Electronic Magnetic & Transport Properties of Nanoscale Magnetic Junctions  
$300,000  
Jaswal, Sitaram  
Physics and Astronomy  
* Multiscale Modeling of Magnetic Nanocontacts  
$200,751  
Uiterwaal, Kees  
Physics and Astronomy  
Inside a Focused Laser Beam: Molecular Dynamics  
$442,001  
Umstadter, Donald  
Physics and Astronomy  
Ion Acceleration with High Intensity Lasers  
$401,277  
* Laser Produced Coherent X-Ray Sources  
$270,000  
Van Etten, James  
Plant Pathology  
Center for Innovation in Membrane Protein Production  
$428,684  
Dunigan, David  
Plant Pathology  
Univ of California-San Francisco

Vasire, Vinod  
Computer Science and Engineering  
Studies in Computational Complexity Theory  
$200,000  
NSF

Vasa, Stanley  
Special Education and Communication Disorders  
Project NETS: Nebraska Educational Transition Specialists  
$798,624  
Scheffler, Marilyn  
Special Education and Communication Disorders  
Dept. of Education

Verma, Shashi  
School of Natural Resources  
* Carbon Sequestration and Global Climate Change  
$941,161  
Knops, Johannes  
Cassman, Kenneth  
Dept. of Energy-EPSCoR  
Biological Sciences  
Agronomy and Horticulture

Vidaver, Anne  
Plant Pathology  
Molecular Characterization of Clavibacter iranicus & Related Species  
$318,742  
DHHS-NIH-Nat Ctr Rsch Resources  
Mechanical Engineering

Viljoen, Hendrik  
Chemical and Biomolecular Engineering  
Vortex-Tube Based Thermocycler w/Intelligent Software  
$350,636  
Gogos, George  
Mechanical Engineering  
DHHS-NIH-Nat Ctr Rsch Resources

Wagner, William  
Biological Sciences  
Communication of Direct Mating Benefits to Females  
$301,283  
NSF

Waldren, Vernon  
Southeast Research and Extension Center  
* HUD Omaha Lead Site  
$300,000  
Dept. of Housing and Urban Development

Walstad, William  
Economics  
Interactive Teaching in Undergraduate Economic Courses  
$674,928  
NSF

Wang, Jun  
Computer Science and Engineering  
CSR-PDOS: Energy-Efficient, High-Performance Storage Array Systems  
$260,000  
NSF

Wang, Xinwei  
Mechanical Engineering  
Sub-Surface Structural Damages in Laser-Assisted Surface Nanostructuring  
$249,999  
Lu, Yongfeng  
Electrical Engineering  
NSF

Weeks, Donald  
Biochemistry  
Development of Herbicide-Resistant Plants for Environmentally-Safe Production Energy & Biomass Crops  
$232,000  
Consortium for Plant Biotechnology Research

Weisz, Victoria  
Center on Children, Families and the Law  
Nebraska State Court Improvement  
$861,502  
Supreme Court of Nebraska

Weldon, Robert  
Biological Sciences  
Intracellular Targeting of HIV Gag Proteins  
$393,825  
DHHS-NIH-NIAID
<table>
<thead>
<tr>
<th>Name</th>
<th>Department / Program</th>
<th>Funding Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weller, Curtis</td>
<td>Biological Systems Engineering Purification Process Influences on Structural &amp; Nutritional Function of Grain Sorghum</td>
<td>Dept. of Agriculture-NRICGP</td>
<td>$338,000</td>
</tr>
<tr>
<td>Carr, Timothy</td>
<td>Nutrition and Health Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schlegel, Vicki</td>
<td>Food Science and Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cuppett, Susan</td>
<td>Food Science and Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hwang, Keum Taek</td>
<td>Industrial Ag Products Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wang, Lijun</td>
<td>Biological Systems Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White, Brett</td>
<td>Animal Science Transcriptional Regulation/Porcine GnRH Receptor Gene</td>
<td></td>
<td>$287,193</td>
</tr>
<tr>
<td>White, Joseph</td>
<td>Sociology Developing an Alcohol Prevention Program with the Dakota</td>
<td>DHHS-NIH-NIAAA</td>
<td>$384,059</td>
</tr>
<tr>
<td>Hoyt, Dan</td>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whitbeck, Les</td>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Godfrey, Joyzelle</td>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wiegand, Roger</td>
<td>Mathematics GAANN Fellowship Program: Mathematics at UNL</td>
<td>Dept. of Education</td>
<td>$633,360</td>
</tr>
<tr>
<td>Pitts, David</td>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walker, Judy</td>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walker, Mark</td>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bellows, Laurie</td>
<td>Graduate Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wiener, Richard</td>
<td>Psychology REU Site: Psychology and Law</td>
<td>NSF</td>
<td>$269,280</td>
</tr>
<tr>
<td></td>
<td>Jury Bias in Criminal Cases: Sexual Assault, Homicide and Generic Prejudice</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$233,883</td>
</tr>
<tr>
<td>Wilhite, Donald</td>
<td>School of Natural Resources Drought Monitoring, Planning &amp; Mitigation</td>
<td>Dept. of Agriculture-CSREES</td>
<td>$495,371</td>
</tr>
<tr>
<td></td>
<td>Mitigation &amp; Preparedness Technologies for the US</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* Estimating the Impacts of Complex Climatic Events: Drought in Colorado, Nebraska &amp; New Mexico</td>
<td>Dept. of Agriculture-CSREES</td>
<td>$589,996</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$300,000</td>
</tr>
<tr>
<td>Willis, Mary</td>
<td>Anthropology and Geography Anterior Dentition and Restoration Among Nuer and Dinka Refugees from Sudan</td>
<td>Dept. of Commerce-NOAA</td>
<td>$300,618</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilson, Brent</td>
<td>Mechanical Engineering Development of Improved Product Performance through Optimization &amp; Modeling of Engineering Materials Processing &amp; Function</td>
<td>Brenco/Amsted Industries</td>
<td>$341,179</td>
</tr>
<tr>
<td>Wilson Jr., Robert</td>
<td>Panhandle Research and Extension Center Assessing the Long Term Viability of Roundup Ready Technology as a Foundation for Cropping Systems</td>
<td>Monsanto Co.</td>
<td>$880,000</td>
</tr>
<tr>
<td>Witkowski, John</td>
<td>Northeast Research and Extension Center Integrated Network for Tribal College Community Watershed Natural Resources Education</td>
<td>Iowa State University</td>
<td>$237,105</td>
</tr>
<tr>
<td>Woldt, Wayne</td>
<td>Biological Systems Engineering Advancing Onsite Wastewater Treatment in Nebraska</td>
<td>Ne Dept. of Environmental Quality</td>
<td>$259,742</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Southeast Research and Extension Center</td>
<td></td>
</tr>
<tr>
<td>Wood, Charles</td>
<td>Biological Sciences AIDS and Cancer Specimen Bank</td>
<td>George Washington University</td>
<td>$320,442</td>
</tr>
<tr>
<td>Woodward, Gordon</td>
<td>Mathematics Increasing Participation in Computer Science, Engineering, &amp; Mathematics through NSF Scholarships at UNL</td>
<td>NSF</td>
<td>$400,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Engineering &amp; Technology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Computer Science and Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts &amp; Sciences</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nebraska REU in Applied Mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NSF</td>
<td>$223,987</td>
</tr>
<tr>
<td>Wortmann, Charles</td>
<td>Agronomy/Horticulture Integrated Approach to Reduced Risk of Phosphorus Pollution of Surface Waters in Crop-Livestock Based Managed Ecosystems of the Midwest</td>
<td>Nebraska Corn Board Animal Science</td>
<td>$235,839</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biological Systems Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biological Systems Engineering Agricultural Economics</td>
<td></td>
</tr>
<tr>
<td>Yamamoto, Catherine</td>
<td>Student Affairs Upward Bound–Lincoln</td>
<td>Dept. of Education</td>
<td>$938,496</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Upward Bound Math/Science Project</td>
<td></td>
</tr>
<tr>
<td>Yang, Yiqi</td>
<td>Textiles, Clothing and Design Resistance of Sulfur Dyed Fabrics to Oxidative Bleaching &amp; Acidic Tendering: Improvement &amp; Application</td>
<td>Procter &amp; Gamble</td>
<td>$300,618</td>
</tr>
</tbody>
</table>
CAREER AND K AWARDS

Active awards in 2006
* Indicates new in 2006

NSF CAREER Grants
National Science Foundation CAREER grants are awarded only to untenured junior faculty. NSF emphasizes that the grants recognize research and education "of the highest quality and in the broadest sense." CAREER grants are unique in requiring a four- to five-year plan for the scientist’s development as both a researcher and an educator.

Yoder, Ronald  
Biological Systems Engineering  
Nebraska AgrAbility  
$800,000  
Dept. of Agriculture-CSREES  
Agricultural Economics  

Zempleni, Janos  
Nutrition and Health Sciences  
* Biotin Affects Cytokine Metabolism  
Dept. of Agriculture-NRICGP  
* Epigenetic Effects of Biotin on Activation of Endogenous Viral Sequences  
$401,959  
DHHS-NIH-NIEHS  

Zeng, Xiao Cheng  
Chemistry  
Crystallization and Interfacial Properties of Silicon  
$235,000  
Dept. of Energy  
ITR: Multiscale Treatment of Systems with Strong Heterogeneities  
$715,121  
NSF  
Diestler, Dennis  
Agronomy and Horticulture  
Feng, Ruqiang  
Engineering Mechanics  

Zera, Anthony  
Biological Sciences  
Enzymatic and Molecular Bases of Trade-Offs in Lipid Metabolism that Underlie Life History Trade-Off  
$423,682  
NSF  
Harshman, Lawrence  
Biological Sciences  
Morph-Dependent Cyclic JH Titer in a Wing-Polymorphic Insect: Adaptive Significance & Underlying Causes  
$321,626  
NSF  
Harshman, Lawrence  
Biological Sciences  
Physiological & Molecular Causes of Genetic Variation/Covariation in Endocrine Regulation  
$372,000  
NSF  

Zhang, Luwen  
Center for Virology  
Interferon Regulatory Factor 7 and NPC  
$393,855  
DHHS-NIH-NIAID  

Zlotnik, Vitaly  
Geosciences  
* Mechanisms Producing Variation in Lake Salinity in Dune Environments: Nebraska Sand Hills  
$219,958  
NSF  
Fritz, Sherilyn  
Geosciences  
Swinehart, James  
School of Natural Resources  

Adams, Stephanie  
Industrial and Management Systems Engineering  
Designing Effective Teams in the Engineering Classroom for the Enhancement of Learning  
$623,918  
NSF  

Becker, Donald  
Biochemistry  
Spectrochemical Studies of Novel PutA Flavoprotein  
$314,250  
NSF  

Binek, Christian  
Physics and Astronomy  
* Education & Research on Nanoscale Spintronic Systems & Heterostructures  
$500,000  
NSF  

Bloom, Kenneth  
Physics and Astronomy  
* Top-Quark Physics, Computing & Software at Large Hadron Collider  
$550,000  
NSF  

Choueiry, Berthe  
Computer Science and Engineering  
Detecting Interchangeability Relations in Constraint Satisfaction Problems and Exploiting them in Problem Solving and Interactions with Users  
$600,000  
NSF  

Domínguez, Aaron  
Physics and Astronomy  
* Superior Silicon Tracking & Discovery as CMS & D0  
$550,000  
NSF  

Elbaum, Sebastian  
Computer Science and Engineering  
Leveraging Field Data to Test Pervasive Systems  
$412,594  
NSF
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project Title</th>
<th>Grant Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gursoy, Mustafa</td>
<td>Electrical Engineering</td>
<td>CAREER: Energy-Efficient Wireless Communications under Channel Uncertainty</td>
<td>$400,000</td>
<td>NSF</td>
</tr>
<tr>
<td>Orti, Guillermo</td>
<td>Biological Sciences</td>
<td>Molecular Systematics of Ray-Finned Fishes</td>
<td>$533,295</td>
<td>NSF</td>
</tr>
<tr>
<td>Perez, Lance</td>
<td>Electrical Engineering</td>
<td>Channel Coding for Satellite and Mobile Communications</td>
<td>$269,880</td>
<td>NSF</td>
</tr>
<tr>
<td>Scott, Stephen</td>
<td>Computer Science and Engineering</td>
<td>Making Exponential-Time Learning Algorithms Efficient</td>
<td>$299,952</td>
<td>NSF</td>
</tr>
<tr>
<td>Wang, Lily</td>
<td>School of Engineering Technology</td>
<td>Integrating Time-Variant Source Directivity into Architectural Acoustic Auralizations</td>
<td>$401,376</td>
<td>NSF</td>
</tr>
</tbody>
</table>

**K Awards**

National Institutes of Health K Awards provide support for intensive development experiences in one of the biomedical, behavioral or clinical sciences leading to research independence. Candidates for these awards normally must have a research or health-professional doctorate and postdoctoral research experience at the time of application. The proposed career-development experience must be in a research area new to the applicant and/or one in which an additional supervised research experience will substantially add to the applicant’s research capabilities. Candidates must provide a plan for achieving independent research support by the end of the award, and must be willing to spend a minimum of .75 FTE conducting research and career development during the award three-, four-, or five-year project period.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project Title</th>
<th>Grant Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angeletti, Peter</td>
<td>Biological Sciences</td>
<td>Maintenance of Human Papilloma Virus Genes</td>
<td>$613,512</td>
<td>DHHS-NIH-NCI</td>
</tr>
<tr>
<td>DiLillo, David</td>
<td>Psychology</td>
<td>Family Functioning of Adults Maltreated as Children</td>
<td>$670,826</td>
<td>DHHS-NIH-NIMH</td>
</tr>
<tr>
<td>Kiviniemi, Marc</td>
<td>Psychology</td>
<td>Affect &amp; Decision Making for Cancer-Related Behaviors</td>
<td>$535,692</td>
<td>DHHS-NIH-NCI</td>
</tr>
<tr>
<td>Sayood, Khalid</td>
<td>Electrical Engineering</td>
<td>Identification of Biological Materials of Unknown Origin</td>
<td>$764,005</td>
<td>DHHS-NIH-NIBIB</td>
</tr>
<tr>
<td>Tyler, Kimberly</td>
<td>Sociology</td>
<td>Neglect and Abuse Histories Among Homeless Young Adults</td>
<td>$659,525</td>
<td>DHHS-NIH-NIMH</td>
</tr>
</tbody>
</table>
David Cahan, Charles Bessey Professor and professor of history, is writing a full-scale, definitive biography of Hermann von Helmholtz (1821-1894), one of the major figures of modern science. The biography will provide a fresh account of Helmholtz's personal life within the context of his family, schooling and friends, and portray and analyze his working life as a scientist—principally as a physiologist and physicist, but also as a leader in other fields (chemistry, mathematics, psychology and meteorology), all within the context of German science. It will show how he represented the aims, results and image of science to the educated but otherwise non-scientific classes of Europe and America. It also will show the implications of contemporary science that he drew for the fine arts, medicine, industry and society at large. The extensive use of correspondence means the work will be a large. The extensive use of correspondence means the work will be the first new modern biography of Helmholtz as well as one of the most detailed biographies of a scientist ever published.

The Poetry Foundation, in partnership with the Library of Congress, supports the American Life in Poetry project, an initiative of Ted Kooser, the Poet Laureate Consultant in Poetry to the Library of Congress. American Life in Poetry is a free weekly column for newspapers and online publications featuring a poem written by a contemporary American poet, chosen by Kooser, with a brief introduction written by Kooser. The sole mission of this project is to promote poetry. The Poetry Foundation funds the project, with administrative support provided by the UNL English Department, where the project office is located.

Ken Price, professor of English and Hillegass Chair of 19th Century American Literature, is principal investigator for a $500,000 We the People Challenge Grant from the National Endowment for the Humanities. The award is contingent on UNL acquiring a 3-1 match of $1.5 million in the next four years. When fundraising is completed, the $2 million establishes an endowment at the University of Nebraska Foundation, the proceeds of which provide permanent annual operating funding for the Walt Whitman Archive. The Whitman Archive is an electronic research and teaching tool that makes Whitman’s huge body of work easily and conveniently accessible. Whitman amassed a huge volume of work during his life. Some 70,000 manuscripts are housed in about 80 locations, although the bulk is known to be in just five libraries. But the logistics of finding these various documents, let alone assessing and comparing their relevance and content, are daunting. The Archive allows scholars to search the entire body of Whitman’s writings and scholarship on those works and offers scholarly analysis.

Katherine Walter, chair of special collections and preservation and professor of libraries, is principal investigator on a team hoping to develop guidelines that will serve as a model for the integration of standards used by scholarly digital projects and could influence future development. Metadata integration is an important but yet unattained goal for digital thematic research collections, which employ standards for transcriptions, digital images, finding aids and administrative records. These standards have been developed by different communities. The Metadata Encoding and Transmission Standard (METS) shows promise as a means of integrating various standards, but no testing of METS has been done using digital thematic research, thus ad hoc and idiosyncratic solutions have sprung up, with various unreliable results. UNL will create a METS profile to test its reliability and also submit the package to two digital library systems at Brown University and the University of Virginia.
chief of the Library of Congress Archive of American Folk Song. The collection adds to the understanding of this discipline in development and it consists of 8,000 books, 447 linear feet of archival materials and 700 recordings. The project preserves 291 linear feet on microfilm and also preserves 200 sound recordings made by Botkin himself.

**Implementation Grants for Special Projects—**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journals of Lewis and Clark Online Edition</td>
<td>$222,177</td>
<td>National Endowment for the Humanities</td>
</tr>
</tbody>
</table>

**Dunham, Gary**
Walter and Gary Dunham, University of Nebraska Press director, are using a National Endowment for the Humanities grant to create an on-line edition of the Journals of the Lewis and Clark Expedition, edited by Gary E. Moulton, UNL professor emeritus of history. The interdisciplinary team is drawn from the UNL Libraries, the University of Nebraska Press, and the Center for Great Plains Studies. The site will also feature supplementary texts relating to Euro-American and Native perspectives on the Lewis and Clark expedition, images, and audio files of poet William Kloefkorn reading selected passages. Online searchability will make the website a useful resource for scholars and the general public. The project is timed to coincide with the bicentennial commemoration of Lewis and Clark’s expedition.

<table>
<thead>
<tr>
<th>Proponent</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dunham, Gary</td>
<td>$20,000</td>
<td>National Endowment for the Humanities</td>
</tr>
<tr>
<td>Moravian Springplace Mission among the Cherokees</td>
<td></td>
<td>Montana Committee for Humanities</td>
</tr>
<tr>
<td>$6,000</td>
<td></td>
<td>Montana Committee for Humanities</td>
</tr>
<tr>
<td>Moravian Springplace Mission among the Cherokees</td>
<td></td>
<td>Montana Committee for Humanities</td>
</tr>
</tbody>
</table>

**Engen-Wedin, Nancy**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ArtsReach Moravian Springplace Mission among the Cherokees</td>
<td>$41,500</td>
<td>Nebraska Humanities Council</td>
</tr>
<tr>
<td>* Umo&quot;ho&quot; Cultural Arts Program</td>
<td></td>
<td>Kennedy Center for Performing Arts</td>
</tr>
<tr>
<td>$11,250</td>
<td></td>
<td>Kennedy Center for Performing Arts</td>
</tr>
</tbody>
</table>

**Handa, Rumiko**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spirit of Design: Multidisciplinary, Multimedia Database and Website</td>
<td>$12,000</td>
<td>Graham Foundation</td>
</tr>
<tr>
<td>* ArtsReach Moravian Springplace Mission among the Cherokees</td>
<td></td>
<td>Nebraska Humanities Council</td>
</tr>
<tr>
<td>$12,000</td>
<td></td>
<td>Nebraska Humanities Council</td>
</tr>
</tbody>
</table>

**Randolph, Ladette**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to Artistic Excellence: International Translations</td>
<td>$25,000</td>
<td>National Endowment for the Arts</td>
</tr>
</tbody>
</table>

**Steger, Paul**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Johnny Carson School of Theatre and Film</td>
<td>$7,210</td>
<td>Nebraska Arts Council</td>
</tr>
</tbody>
</table>

**Walter, Katherine**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quilt Index National Leadership Project</td>
<td>$20,000</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Homestead — Broken Bow Microfilming Project (CESU)</td>
<td></td>
<td>Dept. of Interior-NPS</td>
</tr>
<tr>
<td>Homestead — Broken Bow Microfilming Project (CESU)</td>
<td>$20,000</td>
<td>Dept. of Interior-NPS</td>
</tr>
</tbody>
</table>

**Weiss, Wendy**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Hillestad Textiles Gallery</td>
<td>$5,285</td>
<td>Friends of the Hillestad Textiles Gallery</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proponent</th>
<th>Amount</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weiss, Wendy</td>
<td>$5,285</td>
<td>Friends of the Hillestad Textiles Gallery</td>
</tr>
</tbody>
</table>
PATENTS ISSUED IN 2006
Recognition for faculty who received patents
UNL faculty indicated in red

Alfano, James
Biological Sciences
Title: DNA Molecules and Polypeptides of Pseudomonas Syringae
HRP Pathogenicity Island and Their Uses
Description: Novel pharmaceutical targets
Date: September 5, 2006
No. 7,102,059
Country: United States

Jorgensen, James
Electrical Engineering
Title: Sound Generating Apparatus for Use with Gloves and Similar Articles
Description: Cheer gloves
Date: May 2, 2006
No. 7,038,575
Country: United States

Klopfenstein, Terry J.
Animal Science
Title: Rumen Inert Oil
Description: Ruminant feed
Date: 1/3/2006
No. PI9609476-1
Country: Brazil

Oleynikov, Dmitry; Farritor, Shane Michael; Hadzialic, Adnan;
Platt, Stephen
Mechanical Engineering
Title: Microrobot for Surgical Applications
Description: Miniature surgical robot
Date: May 9, 2006
No. 7,042,184
Country: United States

Redepenning, Jody
Chemistry
Title: Electrolytic Deposition of Coatings for Prosthetic Metals and Alloys
Description: Bone-like coating for prosthetics
Date: 3/21/2006
No. 7,014,749
Country: United States

Weeks, Donald
Biochemistry
Title: Methods and Materials for Making and Using Transgenic Dicamba-Degrading Organisms
Description: Dicamba resistant crops
Date: March 2, 2006
No. 558,838
Country: Republic of Korea

Date: March 9, 2006
No. 528,010
Country: New Zealand

Date: April 4, 2006
No. 7,022,896
Country: United States

Date: September 12, 2006
No. 7,105,724
Country: United States
Licensee: Apath
Description: Influenza plasmids
Inventor: Donis, Rueben
Department: Veterinary and Biomedical Sciences

Licensee: Arrow Seed Co. Inc.
Description: Beefmaker variety of intermediate wheatgrass
Inventors: Baltensperger, David D.; Nicholson, R.A.; Reece, Patrick; Schuman, G.; Vogel, Kenneth
Department: Agronomy and Horticulture

Licensee: Arrow Seed Co. Inc.
Description: Bonanza variety of big bluestem grass
Inventors: Anderson, Bruce; Klopfenstein, Terry; Mitchell, Robert; Vogel, Kenneth
Department: Agronomy and Horticulture, Animal Science

Licensee: Biotechnology Research and Development Corporation
Description: Technology related to male sterility in plants
Inventors: Abdelnoor, Ricardo Vilela; Mackenzie, Sally
Department: NRI Center for Biotechnology

Licensee: Blooms of Bressingham
Description: Sweet Joanne penstemon hybrid
Inventors: Lindgren, Dale Tennis; Todd, Kim
Department: Agronomy and Horticulture

Licensee: Cereplast Inc.
Description: Water resistant degradable foam, biodegradable polymers
Inventors: Biby, Gerald D.; Chinnaswamy, Rangaswamy; Fang, Qi; Hanna, Milford A.
Department: Biological Systems Engineering, Industrial Ag Products Center

Licensee: DTL Controls, LLC
Description: Air flow conductors
Inventor: Liu, Mingsheng
Department: Architecture

Licensee: E-Tech
Description: Conductive concrete overlay for bridge deck de-icing
Inventors: Chen, Bing; Nguyen, Lim; Tuan, Christopher
Department: Civil Engineering, Computer and Electronics Engineering

Licensee: Gayland Ward Seed Co. Inc.
Description: Atlas brm-12 variety of forage sorghum
Inventors: Funnell, Deanna; Grant, Richard; Oliver, Amanda; Pedersen, Jeffrey; Toy, John
Department: Agronomy and Horticulture, Plant Pathology

Licensee: GC Image
Description: Software for processing data from comprehensive two-dimensional gas chromatography
Inventor: Reichenbach, Stephen
Department: Computer Science

Licensee: Intellectual Ventures
Description: Communications, memory and circuitry technologies
Inventors: Algrain, Marcello C.; Bandyopadhyay, Supriyo; Ehlers, Doug; Hardt, Stephen L.; Hoffman, Michael; Nguyen, Lin; Sayood, Khalid; Zhu, Quiming
Department: Computer and Electronics Engineering, Computer Science, Electrical Engineering

Licensee: Laursen, Daniel
Description: Beefmaker variety of intermediate wheatgrass
Inventors: Baltensperger, David D.; Nicholson, R.A.; Reece, Patrick; Schuman, G.; Vogel, Kenneth
Department: Agronomy and Horticulture

Licensee: Nebraska Surgical Solutions, Inc.
Description: Surgical miniature robotic device
Inventors: Oleynikov, Dmitry; Farritor, Shane Michael; Hadzialic, Adnan; Platt, Stephen
Department: Mechanical Engineering

Licensee: The Seed Company
Description: Varieties of high protein soybeans, high sucrose soybeans, and high yield soybeans
Inventor: Graef, George
Department: Agronomy and Horticulture

Licensee: Star Seed Inc.
Description: Bonanza variety of big bluestem grass
Inventors: Anderson, Bruce; Klopfenstein, Terry; Mitchell, Robert; Vogel, Kenneth
Department: Agronomy and Horticulture, Animal Science

Licensee: Star Seed Inc.
Description: Goldmine variety of big bluestem
Inventors: Anderson, Bruce; Klopfenstein, Terry; Mitchell, Robert; Vogel, Kenneth
Department: Agronomy and Horticulture, Animal Science

Licensee: Stock Seed Farm
Description: Bonanza variety of big bluestem grass
Inventors: Anderson, Bruce; Klopfenstein, Terry; Mitchell, Robert; Vogel, Kenneth
Department: Agronomy and Horticulture, Animal Science
Licensee: Todd Valley Farms
Description: NE-KYB-05-001 variety of Kentucky bluegrass
Inventors: Riordan, Terrance P.; Shearman, Robert C.; Wit Jr., Leonard A.
Department: Agronomy and Horticulture

Bailey, John R.  School of Music
Performer, invited recital for the National Flute Association
national convention, Flute and Piano Works of Theodor Blumer,
Pittsburgh, Pa., with Laura Silverman, pianist, University of Akron.
Conductor, The American Flute Orchestra tour in Russia, Latvia,
and Estonia.

Barnes, Paul E.  School of Music
Performer, recording of American Piano Concertos, Albany, N.Y.
Performer, recording of Philip Glass Piano Concerto No. 2 (After
Lewis and Clark), New York, N.Y.
Author, sheet music, Orphee Suite for Piano, London, U.K.

Brown, Joann  Teaching, Learning & Teacher Education
Artist, mixed media image, The Interconnectness Of All, Ink People
Gallery, Eureka, Calif.

Bybee, Ariel  School of Music
Soloist, Thirteenth American Music Festival, Chinese government.

Chang-Barnes, Ann  School of Music
Performer, piano, world premiere concert, St. Petersburg, Russia,
of newly arranged works of Astor Piazzolla for piano and cello
quartet, with the Rastrelli Cello Quartet.
Performer, piano, International Fortepiano Forum, Poeke, Belgium.

Clinton, Mark K.  School of Music
Performer, piano, guest soloist with the Prince George’s
Philharmonic, College Park, Md.
Performer, piano, 2006 Ameropa International Chamber Music
Festival, Prague, Czech Republic, with Min Kwon, piano; John
Lindsey, violin; Karen Becker, cello; and French mezzo-soprano
Anne Donnadieu.
Performer, piano, guest artist at the 2006 Illinois Chamber Music
Festival, with Julieta Mihai, violin; John Lindsey, violin; Lisa Nelson,
viola; Nina Gordon, cello; Amy Flores, cello.

Eklund, Peter A.  School of Music
Conductor, 200-voice honor choir with performances in Italy,
France, Germany, Austria
Conductor, international convention in Kuala Lampur, Malaysia.

Fritz, Dana  Art & Art History
Artist, photography, Garden Views: the Culture of Nature,
University Gallery, Pittsburg State University, Pittsburg, Kan.
Artist, photography, Back to Nature, Contemporary Artists Center,

Fuelberth, Rhonda J.  School of Music
Performer, peer-reviewed performance, University Women’s Chorale
appearance, MENC National Convention, Salt Lake City, Utah.
Hanrahan, Kevin  School of Music
Performer, guest artist voice recital, Pune, India, with Priya Palekar, soprano; Roberta Swedien, piano.
Performer, voice recital, Die Schöne Müllerin, Mumbai, India, with Robert Swedien, piano.

Horvay, Martha  Textiles, Clothing & Design
Artist, collage, Washing Dishes and Gazing West, A.I.R. Gallery, New York, N.Y.

James, Michael F.  Textiles, Clothing & Design
Artist, quilts, Night Sky 1, Fuller Craft Museum, Brockton, Mass.; Material Things, The Sawmill Gallery, James Madison University, Harrisonburg, Va., with Frankie Flood, Denise Pelletier, Laura Strand; Smoke Signals, Indianapolis Museum of Art; Material Difference: Soft Sculpture and Wall Works from Midwest Collections, Chicago Cultural Center, Hanging in the Balance and At or Near the Surface, Fifth International Fiber Biennial, Snyderman-Works Galleries, Philadelphia, Pa.; At or Near the Surface, Explorations II: Quilts by the Faculty of the Quilt Surface Design Symposium, Ohio Craft Museum, Columbus, Ohio; Sky/Wind Variations 2, Studio Art Quilt Associates: The Creative Force, Fall International Quilt Market and International Quilt Festival, Houston, Texas; The Nature of Truth (The Truth of Nature), Tied Together: Textile Art in the 21st Century, Chandler Center for the Arts, Chandler, Ariz.; exhibited quilts using various techniques, Michael James Studio Quilts, La Linguella Cultural Arts Center, Portoferrario, Italy; Quilts from the Collection of Penny Nii, Gualala Arts, Gualala, Calif.; Abstraction No. 6: Afterimage, Embassy of the United States of America, Seoul, South Korea; Recent Work in Digital Textiles, Festival of Quilts, National Exposition Center, Birmingham, U.K.
Solo exhibit, Racine Art Museum, Racine, Wis., included five new works and loaned works from the International Quilt Study Center collection. The exhibition was featured in the June/July 2006 issue of American Craft Magazine. Home Economics, entered into the permanent collection of the Racine Art Museum.

Kendall, Gail M.  Art & Art History
Artist, ceramics, Woodfire Conference Invitational Exhibition, University of Northern Arizona, Flagstaff, Ariz.
Artist, ceramics, Art School At Old Church, pottery exhibition, Demarest, N.J.

Shomos, William H.  School of Music
Artist, stage director for Nevada Opera’s Die Zauberflota by Wolfgang Amadeus Mozart.
Stage director for Nevada Opera’s Summer Festival production of Così fan tutte by Wolfgang Amadeus Mozart.
Artist, stage director for La Musica Lirica’s production of Il Campanello by Gaetano Donizetti, Novafeltria, Italy.

Trout, Barbara L.  Textiles, Clothing & Design
Artist, silk dress, In the Spirit of the Deertailed Dress, Russell Hill Rogers Galley, Southwest School of Art, San Antonio, Texas.
Artist, exhibited headpiece in multimedia, Empress Bonnet, Creative Grand Crossings, Grand Rapids, Mich.
Artist, multi-component neckpiece, Priestess Collar, Celebration: Spiritual Exhibit, Grand Rapids, Mich.

Weiss, Wendy R.  Textiles, Clothing & Design
Artist, set for an outdoor performance, Curlers, Smoky Hill River Festival, Salina, Kan.
Artist, textile, sound and movement installation, Ground Shift, Washington D.C., with Jay Kreimer.

White, Darryl A.  School of Music
Artist, panelist adjudicator, National Foundation for Advancement in the Arts, Miami, Fla.
Performer and lecturer, director of the Clifford Brown/Stan Getz All-Stars, Annual Monterey Jazz Festival, Monterey, Calif.
Featured artist in a jazz performance, American Jazz Museum, Blue Room, Kansas City, Missouri.
Performer and lecturer, performances at Lincoln Center and the Conference Main Stage, International Association for Jazz Educators Conference, New York, N.Y.

Williams, Sandra M.  Art & Art History
Artist, The Seven Mysteries, solo exhibition of mixed media, Crystal Lake, Ill. and Ashland, Ore.
Andrews, Larry  
*Language Exploration and Awareness 3rd Ed.*; Mahwah, N.J., Lawrence Erlbaum, 2006. (Teaching, Learning & Teacher Education)

Archer, J. Clark; Lavin, Stephen J.; Martis, Kenneth C.; Shelley, Fred M.  

Avolio, Bruce J.; Luthans, Fred  

Bauer, Grace; Kane, Julie, eds.  
*Umpteen Ways of Looking at a Possum: Critical and Creative Responses to Everette Maddox*; New Orleans, La., Xavier Review Press, 2006. (English)

Bauer, Grace  
*Beholding Eye*; Cincinnati, Ohio, Custom Words, 2006. (English)

Beaver, Gregory L.  
*PEAR Installer Manifesto*; London, U.K., Packt Publishing, 2006. (School of Music)

Berens, Charlyne  
*Chuck Hagel: Moving Forward*; Lincoln, Neb., University of Nebraska Press, 2006. (Journalism & Mass Communications)

Bicknell-Holmes, Tracy; Logan-Peters, Kay  

Bryant, Miles  
*Horse Smiling and Other Moments Recollected in Nebraska*; Lincoln, Neb., B Street Press, 2006. (Educational Administration)

Burnett, Amy N.  
*Teaching the Reformation: Ministers and Their Message in Basel, 1529-1629*; New York, N.Y., Oxford University Press, 2006. (History)

Burnett, Amy N.; Goodburn, Amy; Savory, Paul; Bernstein, Daniel  

Burnett, Stephen G.; Bell, Dean Phillip, eds.  
Carr, Thomas M.
Voix des abbesses du Grand Siècle: la prédication au féminin
à Port-Royal; Tubingen, Germany, Gunter Narr Verlag, 2006. (Modern Languages & Literatures)

Dalla, Rochelle L.
Exposing the “Pretty Woman” Myth: A Qualitative Investigation
of Street-Level Prostituted Women; Lanham, Md., Lexington
Publishers, Inc., 2006. (Family & Consumer Sciences)

DeFrain, John D.; Olson, David H.
Marriages and Families: Intimacy, Diversity, and Strengths, 5th Ed.;

DeFrain, John D.; Dahl, Susan; Campbell, John S.
We Cry Out: Living with Developmental Disabilities; Lincoln, Neb.,
iUniverse, 2006. (Family & Consumer Sciences)

DeFrain, John D.; Lodl, Kathleen A.; Brand, Gail L.; Fenton, Ann M.;
Friesen, Jeanette L.; Hanna, Janet S.
Family Treasures: Creating Strong Families; Lincoln, Neb.,
University of Nebraska–Lincoln Extension, 2006. (Family &
Consumer Sciences)

Digman, Lester A.
Strategic Management: Competing in the Global Information
Age, 8th Ed.; Mason, Ohio, Thomson Custom Solutions, 2006.
(Management)

American Cinema of the 1940s; New Brunswick, N.J., Rutgers
University Press, 2006. (English)

Dixon, Wheeler Winston
Visions of Paradise; New Brunswick, N.J., Rutgers University Press, 2006. (English)

Driskell, Judy A.; Wolinsky, Ira, eds.
Sports Nutrition: Vitamins and Trace Elements, 2nd Ed.; Boca
Raton, Fla., CRC Press, 2006. (Nutrition & Health Sciences)

Edwards, Richard, ed.
Nebraska 1875: Its Advantages, Resources, and Drawbacks;
Lincoln, Neb., University of Nebraska Press, 2006. (Economics)

Gladyshev, Vadim N.; Hatfield, Dolph L.; Berry, Marla J., eds.
Selenium: Its Molecular Biology and Role in Human Health; New
York, N.Y., Springer, 2006. (Biochemistry)

Grady, Marilyn L.; Brock, Barbara
Developing a Teacher Induction Plan: A Guide for School Leaders;
Thousand Oaks, Calif., Corwin Press, 2006. (Educational
Administration)

Grady, Marilyn L.; Brock, Barbara
From First Year to First Rate, 3rd Ed.; Thousand Oaks, Calif.,
Corwin Press, 2006. (Educational Administration)

Grady, Marilyn L.
Difficult Correspondence, 2nd Ed.; Thousand Oaks, Calif., Corwin
Press, 2006. (Educational Administration)

Grange, William
Historical Dictionary of German Theater; Lanham, Md., The
Scarecrow Press, 2006. (Johnny Carson School of Theatre and Film)

Gruhl, John; Welch, Susan; Comer, John; Rigdon, Susan M.
American Government, 10th Ed.; Belmont, Calif., Thomson
Wadsworth, 2006. (Political Science)

Hamann, Ted; Meltzer, Julie
Multi-Party Mobilization for Adolescent Literacy in a Rural Area: A
Case Study of Policy Development and Collaboration; Providence,
R.I., Education Alliance at Brown University, 2006. (Teaching,
Learning & Teacher Education)

Hamann, Ted; Meltzer, Julie
Meeting the Needs of Adolescent English Language Learners for
Literacy Development and Content Area Learning, Part Two: Focus
on Classroom Teaching and Learning Strategies; Providence, R.I.,
Education Alliance at Brown University, 2006. (Teaching, Learning
& Teacher Education)

Harnisch, Delwyn L.; Kimpton, P.
Scale Your Way to Musical Assessment: The Ultimate Guide to
Creating a Quality Music Program; Downers Grove, Ill., Music
Performance Assessment Experts Inc., 2006. (Teaching, Learning &
Teacher Education)

Hefle, Susan L.; Koppelman, Stef J., eds.
Detecting Allergens in Foods; Cambridge, U.K., Woodhead
Publishing Ltd, 2006. (Food Science & Technology) Dr. Hefle died in
August of 2006.

Honey, Maureen
Shadowed Dreams: Women’s Poetry of the Harlem Renaissance,
2nd Ed., revised and expanded; New Brunswick, N.J., Rutgers
University Press, 2006. (English)

Hope, Debra A.; Heimberg, Richard G.; Turk, Cynthia L.
Therapist Guide for Managing Social Anxiety: A Cognitive-
(Psychology)

Housh, Terry J.; Housh, D. J.; deVries, H.A.
Applied Exercise and Sport Physiology, 2nd Ed.; Scottsdale, Ariz.,
Holcomb Hathaway Publishers, 2006. (Nutrition & Health Sciences)

Hutkins, Robert W.
Microbiology and Technology of Fermented Foods; Ames, Iowa,
Blackwell-IFT Press, 2006. (Food Science & Technology)
Isernhagen, Jody C.
Portraits of Excellence Year Five Report, Comprehensive Evaluation of Nebraska School Based Teacher-Led Assessment and Reporting System (STARS); Lincoln, Neb., Nebraska Department of Education, 2006. (Educational Administration)

Jameson, Mary Liz; Ratcliffe, Brett C., eds.

Kaul, Robert B.; Sutherland, David M.; Rolfsmeier, Steven R.
The Flora of Nebraska; Lincoln, Neb., School of Natural Resources, UNL, 2006. (Museum)

Kooser, Ted; Cox, Steve
Writing Brave and Free; Lincoln, Neb., University of Nebraska Press, 2006. (English)

Krone, Kathleen J.; Putnam, Linda L., eds.

Lee, Sang M.; Olson, David L.

Lepard, Brian

Luthans, Fred; Youssef, Carolyn M.; Avolio, Bruce J.
Psychological Capital; New York, N.Y., Oxford University Press, 2006. (Management)

Moshman, David
The Daughters of the Plaza de Mayo; New York, N.Y., iUniverse, 2006. (Educational Psychology)

Murphy, Linda L.; Spies, Robert A.; Plake, Barbara S., eds.
Tests in Print VII; Lincoln, Neb., Buros Institute of Mental Measurements, 2006. (Educational Psychology)

Olson, David L.; Shi, Yong
Introduction to Business Data Mining; New York, N.Y., McGraw-Hill/Irwin, 2006. (Management)

Rack, Frank R.; Rothwell, R. Guy; Ribes, Alfonso; Tsintzouras, George; Damaskinos, Savas; Dixon, A.E.; Freifeld, Barry; Kneafsey, T.J.; Chen, Q.; Balcom, Bruce

Rader, Benjamin G.

Raikes, Helen H.; Whitmer, Jane M.

Ratcliffe, Brett C.; Cave, Ronald D.
The Dynastine Scarabs of Honduras, Nicaragua, and El Salvador (Coleoptera: Scarabaeidae); Lincoln, Neb., University of Nebraska State Museum, 2006. (Museum, Entomology)

Reid, Robert; Lienemann, Torri
Strategy Instruction for Students with Learning Disabilities; New York, N.Y., Guilford, 2006. (Special Education & Communication Disorders)

Ritchie, Joy S.; Ronald, Kate
Teaching Rhetorica: Theory, Pedagogy, Practice; Portsmouth, N.H., Boynton/Heineman, 2006. (English)

Ruser, Kevin; Lubken, Deanna
Nebraska Chapter 7 Consumer Bankruptcy Manual; Lincoln, Neb., Law College Education Services, 2006. (Law)

Sayood, Khalid

Schniederjans, Marc J.; Schniederjans, Ashlyn M.; Schniederjans, Dara G.

Seefeldt, Douglas; Hantman, Jeffrey L.; Ounf, Peter S., eds.
Across the Continent: Jefferson, Lewis and Clark and the Making of America; Charlottesville, Va., University of Virginia Press, 2006. (History)

Sellmyer, David J.; Skomski, Ralph, eds.
Advanced Magnetic Nanostructures; Berlin, Germany, Springer, 2006. (Physics & Astronomy)

Sellmyer, David J.; Liu, Yi; Shindo, D., eds.
Handbook of Advanced Magnetic Materials; Berlin, Germany, Springer, 2006. (Physics & Astronomy)

Siou, Keng L., ed.
Advanced Topics in Database Research Vol. 5; Hershey, Pa., Idea Group Publishing, 2006. (Management)

Spencer, Nicholas
After Utopia: The Rise of Critical Space in Twentieth Century American Fiction; Lincoln, Neb., University of Nebraska Press, 2006. (English)

Steinweis, Alan E.
Studying the Jew: Scholarly Antisemitism in Nazi Germany; Cambridge, Mass., Harvard University Press, 2006. (History)
Steinweis, Alan E.; Gassert, Philipp, eds.  

Taylor, Stephen L., ed.  
Advances in Food and Nutrition Research, Volume 51; San Diego, Calif., Academic Press, 2006. (Food Science & Technology)

Woody, Robert H.; Lehmann, Andreas C.; Sloboda, John A.  
Psychology for Musicians: Understanding and Acquiring the Skills; New York, N.Y., Oxford University Press, 2006. (School of Music)

Zellmer, Sandra B.; Laitos, Jan; Wood, Mary; Cole, Daniel  
Natural Resources Law; St. Paul, Minn., Thomson/West, 2006. (Law)

2006 RECOGNITIONS AND HONORS
Faculty who have been elected to or who have received national or international honors

Braake, Myron  
Plant Pathology (Emeritus)  
National Academy of Science Membership

Kooser, Ted  
English  
U.S. Poet Laureate Consultant in Poetry to the Library of Congress

Splinter, William  
Larsen Tractor Test and Power Museum; Biological Systems Engineering (Emeritus)  
National Academy of Engineers Membership

Taylor, Stephen L., ed.  
Advances in Food and Nutrition Research, Volume 51; San Diego, Calif., Academic Press, 2006. (Food Science & Technology)

Van Etten, James  
Plant Pathology  
National Academy of Science Membership

Abbott, Douglas A.  
Family & Consumer Sciences  
Fulbright Scholar, U.S. Fulbright Foundation

Albrecht, Julie  
Nutrition & Health Sciences  
President’s Volunteer Service Award, President’s Council on Service and Civic Participation

Anderson, John  
Economics  
Contributor to the Economic Report of the President, President’s Council of Economic Advisers

Archer, J. Clark  
Anthropology & Geography
Lavin, Stephen J.  
Anthropology & Geography  

Banerjee, Ruma  
Biochemistry  
Vice-Chair, Gordon Research Conference, Thiol-based Redox Regulation and Signaling

Barnes, Paul E.  
School of Music  
Best Performance Production for the world premier television production of Phillip Glass Piano Concerto No. 2 (After Lewis and Clark), National Educational Telecommunications Association

Behrendt, Stephen C.  
English  
Senior Fellowship, American Council of Learned Societies

Bevins, Rick A.  
Psychology  
Fellow, American Psychological Association

Braithwaite, Dawn O.  
Communication Studies  
Brommel Award for Family Communication Scholarship, National Communication Association

Bryant, Miles  
Educational Administration  
2006 Outstanding Reviewer Award, Journal of Research in Leadership Education
Carr Jr., Thomas M. Modern Languages & Literatures
Chevalier, Ordre des Palmes academiques, French government

Cassman, Kenneth G. Agronomy & Horticulture
2006 Agronomic Research Award, American Society of Agronomy

Coble, Parks M. History
Andrew Mellon Fellowship for Senior Scholars, Institute for Advanced Study, Princeton

Crawford, Sidnie W. Classics & Religious Studies
W.F. Albright Service Award, The American Schools of Oriental Research

Cupp, Andrea S. Animal Science
2006 New Investigator Award, Society for the Study of Reproduction

DeFraise, John D. Family & Consumer Sciences
Research Scientist, Shanghai Academy of Social Sciences, Peoples Republic of China

Digman, Lester A. Management
Paisitpanand, Sineenead Management
Lee, Sang M. Management
2006 Best Paper Award, Managing Knowledge Capabilities for Strategy Implementation Effectiveness, 2006 Western Decision Sciences Annual Meeting

Ducey, Mary Ellen Libraries
Price, Kenneth M. English
Walter, Katherine L. Libraries
Barney, Brett Libraries
Pytlik Zillig, Brian L. Libraries
Jewell, Andrew W. Libraries
C.F.W. Coker Award, Society of American Archivists

Eckhardt, Craig J. Chemistry, Physics & Astronomy
Fulbright Senior Fellow, U.S. Fulbright Commission

Eversoll, Duane Natural Resource Sciences
Fellow, Geological Society of America

Gentry, James Marketing
Baker, Stacey Marketing
Rittenberg, Terri Marketing
2006 Charles C. Slater Memorial Award for Best Article, Journal of Macromarketing

Gladyshev, Vadim Biochemistry
Chair, Gordon Research Conference, Thiol-based Redox Regulation and Signaling

Graybill, Andrew R. History
Vernon Carstensen Award, Agricultural History Society
James H. Bradley Fellowship, Montana Historical Society

Harveson, Robert M. Plant Pathology
Blue Ribbon Award, American Society of Agricultural Engineers

Harvey, F. Edwin Natural Resource Sciences
Fellow, Geological Society of America

Hayden-Roy, Priscilla A. Modern Languages & Literatures
Humboldt Fellowship - Continuation Grant, Alexander von Humboldt Foundation

Hefle, Susan L. Food Science & Technology
Special Achievement, Food Allergy and Anaphylaxis Network Dr. Hefle died in August of 2006.

Hoagland, Kyle D. Natural Resource Sciences
President-Elect, National Institutes for Water Resources

Housh, Terry Nutrition & Health Sciences
Educator of the Year, National Strength and Conditioning Association

Hoy, Roger M. Biological Systems Engineering
President’s Leadership Citation, American Society of Agricultural and Biological Engineering

Hudgins, Jerry L. Electrical Engineering
William M. Portnoy Award, Institute of Electrical and Electronics Engineers Industry Applications Society

Jacobs, Margaret D. History
Arrell Morgan Gibson Prize, Western History Association

Joekel, Ronald G. Educational Administration
International Exemplary Leader, International Chair Academy Phi Delta Kappa International; 20th Century Exemplary Leader, Phi Delta Kappa International

Koelsch, Richard K. Biological Systems Engineering, Animal Science
Presidential Citation, American Society of Agricultural and Biological Engineering
Blue Ribbon Award, American Society of Agricultural and Biological Engineering

Kunc, Karen Art & Art History
Printmaker Emeritus Award, The Southern Graphics Council

Levin, Carole History
NEH Fellowship at the Folger Shakespeare Library, National Endowment for the Humanities

Lyons, William H. Law
Regent, American College of Tax Counsel
Managing Editor, The Tax Lawyer
RECOGNITIONS AND HONORS

Mayo, ZB  Agricultural Research Division, Entomology
Honorary Member, Entomological Society of America

Moeller, Aleidine  Teaching, Learning & Teacher Education
Florence Steiner Award for Leadership in Foreign Language Education, American Council for the Teaching of Foreign Languages

Niemeyer, Shirley  Textiles, Clothing & Design
Distinguished Service Award, Housing Education and Research Association

Nierman, Glenn E.  School of Music
Elected President of North Central MENC and Member of the MENC National Executive Board, MENC--The National Association for Music Education

Olson, David L.  Management
Best Enterprise Information Systems Educator Award, International Federation of Information Processing TC8 International Conference on Research and Practical Issues of Enterprise Information Systems

Patterson, Dean J.  Electrical Engineering
Fellow, Institute of Electrical and Electronics Engineers

Prochaska-Cue, M. Kathleen  Family & Consumer Sciences
President’s Volunteer Service Award, President’s Council on Service and Civic Participation

Ragsdale, Stephen W.  Biochemistry
Paper of the Week, Journal of Biological Chemistry
Elected Member, American Academy of Microbiology, American Society of Microbiology

Rajurkar, Kamlakar  Industrial & Management Systems Engineering
Charles F. Carter Jr. Advancing Manufacturing Award, Association of Manufacturing Technology

Ratcliffe, Brett C.  Museum, Entomology
Outstanding Paper of the Year Award, Coleopterists Society

Schneiderjans, Marc J.  Management
Fellow, Institute of Decision Sciences

Schubert, Mathias M.  Electrical Engineering
Chair, International Conference Series on Low Energy ElectroDynamics in Solids
Ludwig-Genzel-Award, International Conference series on Low Energy Electrodynamics in Solids

Shepard, Neil T.  Special Education & Communication Disorders
Honors of the Association, American Speech-Language-Hearing Association

Siau, Keng L.  Management
Ranked as one of the top e-commerce researchers, Business Research Yearbook, Vol. 13
Outstanding Service Award, International Federation for Information Processing Faculty Award, IBM

Smith, Victoria  History, Ethnic Studies
Book Award for No One Ever Asked Me: The World War II Memories of an Omaha Indian Soldier, Army Historical Foundation

Soukup, Rodney J.  Electrical Engineering
Elected to the Administrative Committee, Institute of Electrical and Electronic Engineers Education Society

Soukup, Rodney J.  Electrical Engineering
Art & Art History
International Award, 6th British International Print Exhibition, Gracefield Arts Centre, United Kingdom
Selected Prize, 12th International Biennial Print and Drawing Exhibition, R.O.C. National Taiwan Museum of Fine Arts
Honorable Mention, 7eme Mondial de L’Estampe et de la Graveur Originale Triennale de Chamalieres, France
Ex aequo Prize, 5-a Bienala Internacional de Grafica Mica, Cluj, Romania

Steinweis, Alan E.  History
Finalist, National Jewish Book Awards, Jewish Book Council

Stump, Jordan M.  Modern Languages & Literatures
Chevalier de l’Ordre des Arts et des Lettres, the French government

Trout, Barbara  Textiles, Clothing & Design
Honorable Mention, Handweavers Guild of America

Van Vleck, L. Dale  Animal Science
Distinguished Achievement in Agriculture Award, International Gamma Sigma Delta

Verma, Shashi B.  Natural Resource Sciences
Award for Outstanding Achievement in Biometeorology, American Meteorological Society

Vigna, Diane  Textiles, Clothing & Design
Achievement in Service Award, National Association of Extension 4-H Agents

Wang, Lijun  Biological Systems Engineering
Superior Paper Award, American Society of Agricultural and Biological Engineering

Weller, Curtis L.  Biological Systems Engineering
Superior Paper Award, American Society of Agricultural and Biological Engineering

White, Tyler G.  School of Music
Honorable Mention, Rudolf Nissim Prize Competition, ASCAP Foundation
Willborn, Steven L.  
Chair, U.S. Branch, International Society for Labor and Social Security Law

Winkle, Kenneth J.  
Distinguished Lecturer, 2005-08, Organization of American Historians
Distinguished Book Award for *Atlas of the Civil War*, Society for Military History

Woollam, John A.  
Fellow, American Vacuum Society

Center for Digital Research in the Humanities  
Invited to display information about the *Journals of Lewis and Clark Expedition Online* and the *Walt Whitman Archive* for Humanities Advocacy Day, National Humanities Alliance

Zellmer, Sandra  
Senior Specialist, Fulbright Foreign Scholar
Member, World Conservation Union Commission on Environmental Law

Zlotnik, Vitaly A.  
Fellow, Geological Society of America

---

**Glossary of Federal Agency Abbreviations**

**USAID** United States Agency for International Development

**CNS** Corporation for National Service

**USDA** United States Department of Agriculture  
**ARS** Agricultural Research Service
**BRDC** Biotechnology Research and Development Corporation
**CSREES** Cooperative State Research, Education & Extension Service
**ERS** Extension Research Service
**FAS** Foreign Agriculture Service
**FS** Forestry Service
**NRCS** Natural Resources Conservation Service
**NRI CGP** National Research Initiative Competitive Grant Program
**RMA** Risk Management Agency
**SARE** Sustainable Agricultural Research and Education Program

**DOC** Department of Commerce
**EDA** Economic Development Administration
**NOAA** National Oceanic & Atmospheric Administration

**DOD** Department of Defense  
**Army Corps of Engineers**  
**Army Research Office**  
**DEPSCoR** Defense Experimental Program to Stimulate Cooperative Research  
**Naval Research Laboratory**  
**Office of Naval Research**  
**U.S. Army Medical Research Acquisition Activity**

**DEd** Department of Education  
**FIPSE** Fund for the Improvement of Postsecondary Education  
**GAANN** Graduate Assistance in Areas of National Need

**DOE** Department of Energy  
**EPSCoR** Experimental Program to Stimulate Cooperative Research  
**NIGEC** National Inst for Global Environmental Change Sandia National Laboratories
<table>
<thead>
<tr>
<th>Agency/Institute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHHS</td>
<td>Department of Health and Human Services</td>
</tr>
<tr>
<td>ACF</td>
<td>Administration for Children and Families</td>
</tr>
<tr>
<td>CDC</td>
<td>Centers for Disease Control</td>
</tr>
<tr>
<td>NIH</td>
<td>National Institutes of Health</td>
</tr>
<tr>
<td>NCI</td>
<td>National Cancer Institute</td>
</tr>
<tr>
<td>NCRR</td>
<td>National Center for Research Resources</td>
</tr>
<tr>
<td>NHLBI</td>
<td>National Heart, Lung and Blood Institute</td>
</tr>
<tr>
<td>NIAID</td>
<td>National Institute on Allergy &amp; Infectious Diseases</td>
</tr>
<tr>
<td>NICHD</td>
<td>National Institute of Child Health and Human Development</td>
</tr>
<tr>
<td>NIDCD</td>
<td>National Institute on Deafness &amp; Communication Disorders</td>
</tr>
<tr>
<td>NIDDK</td>
<td>National Institute of Diabetes, Digestive &amp; Kidney Disease</td>
</tr>
<tr>
<td>NIDA</td>
<td>National Institute on Drug Abuse</td>
</tr>
<tr>
<td>NIGMS</td>
<td>National Institute on General Medical Sciences</td>
</tr>
<tr>
<td>NIH</td>
<td>National Institute of Mental Health</td>
</tr>
<tr>
<td>HUD</td>
<td>Department of Housing and Urban Development</td>
</tr>
<tr>
<td>DoI</td>
<td>Department of Interior</td>
</tr>
<tr>
<td>BR</td>
<td>Bureau of Reclamation</td>
</tr>
<tr>
<td>FWS</td>
<td>Fish &amp; Wildlife Service</td>
</tr>
<tr>
<td>GS</td>
<td>Geological Survey</td>
</tr>
<tr>
<td>NPS</td>
<td>National Park Service</td>
</tr>
<tr>
<td>DoT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td></td>
<td>Federal Highway Administration</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>IMLS</td>
<td>Institute of Museum &amp; Library Services</td>
</tr>
<tr>
<td>NASA</td>
<td>National Aeronautics and Space Administration</td>
</tr>
<tr>
<td></td>
<td>Ames Research Center</td>
</tr>
<tr>
<td></td>
<td>Goddard Space Flight Center</td>
</tr>
<tr>
<td></td>
<td>Jet Propulsion Laboratory</td>
</tr>
<tr>
<td></td>
<td>John Stennis Space Center</td>
</tr>
<tr>
<td></td>
<td>Lewis Research Center</td>
</tr>
<tr>
<td></td>
<td>Wallops Flight Facility</td>
</tr>
<tr>
<td>NCHRP</td>
<td>National Cooperative Highway Research Program</td>
</tr>
<tr>
<td>NEA</td>
<td>National Endowment for the Arts</td>
</tr>
<tr>
<td>NEH</td>
<td>National Endowment for the Humanities</td>
</tr>
<tr>
<td>NSF</td>
<td>National Science Foundation</td>
</tr>
<tr>
<td></td>
<td>EPSCoR Experimental Program to Stimulate Cooperative Research</td>
</tr>
<tr>
<td>NSA</td>
<td>National Security Agency</td>
</tr>
</tbody>
</table>
Every effort has been made to verify the accuracy and completeness of submissions. Faculty, department chairs and heads and the deans were invited to submit entries online regarding published books, national and international recognitions, and creative works in fine and performing arts. Information on major sponsored program awards was gathered by the Office of Sponsored Programs. Reports on patents and intellectual property licenses were produced by the Office of Technology Development. We apologize for any omissions or errors in this report.

The University of Nebraska–Lincoln does not discriminate based on gender, age, disability, race, color, religion, marital status, veteran’s status, national or ethnic origin, or sexual orientation.