October 01 - 30, 2009

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$8,721,743 DEPARTMENT OF EDUCATION
PELL Grant, FY10
105118
7/1/09 to 6/30/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$3,000,000 DEPARTMENT OF JUSTICE
104523 Development of a Forensic Science Testing and Evaluation Laboratory
10/1/09 to 9/30/10 RESEARCH
BALDWIN, DAVID AMES LABORATORY DOE-VPR/ED

$2,059,528 NATIONAL SCIENCE FOUNDATION
97218 EFRI-HyBi: Bioengineering a System for the Direct Production of Biological Hydrocarbons for Biofuels
9/1/09 to 8/31/13 RESEARCH
SHANKS, JACQUELINE CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
NIKOLAOU, BASIL BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS
BOBIK, THOMAS BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS

$1,500,000 DEPARTMENT OF AGRICULTURE, OPPM
104657 BioPreferred Program
9/30/09 to 9/30/10 EXTENSION/PUBLIC
DEVLIN, STEVEN CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
CO-PI COX, RONALD CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

$1,492,686 DEPARTMENT OF ENERGY
93016 Operating and Management Support for the Ames Laboratory
11/1/08 to 9/30/09 RESEARCH
KING, ALEXANDER AMES LABORATORY

$1,250,000 NATIONAL ACADEMY OF SCIENCES
98883 Project Management Strategies for Complex Projects
9/1/09 to 2/28/12 RESEARCH
SHANE, JENNIFER CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI STRONG, KELLY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$1,250,000 NATIONAL ACADEMY OF SCIENCES
Project Management Strategies for Complex Projects

98883 9/1/09 to 2/28/12 RESEARCH
CO-PI NAMBISSAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$1,053,000 TPI IOWA, LLC
Advanced Manufacturing Innovation Initiative for Wind Turbine Blades

96147 7/27/09 to 2/28/12 RESEARCH
CO-PI FRANK, MATTHEW INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR
CO-PI PETERS, FRANK INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR
CO-PI JACKMAN, JOHN INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR
CO-PI DAYAL, VINAY AEROSPACE ENGINEERING-ENGR

$952,884 NATIONAL SCIENCE FOUNDATION
CDI-Type II: Dimensionality-Reduction and Reconstruction Tools for Atom Probe Tomography

99414 9/1/09 to 8/31/13 RESEARCH
CO-PI RAJAN, KRISHNAMATERIALS SCIENCE & ENGINEERING-ENGR
CO-PI ALURO, SRINIVASELECTRICAL & COMPUTER ENGINEERING-ENGR
CO-PI GANAPATHYSUBRAMANIAN, BMECHANICAL ENGINEERING-ENGR

$828,150 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
Enhancing the Understanding of Extreme Winds Near Ground and Their Damaging Effects for Hazard Mitigation

99436 9/1/09 to 8/31/10 RESEARCH
CO-PI SARKAR, PARTHA AEROSPACE ENGINEERING-ENGR
CO-PI DAYAL, VINAY AEROSPACE ENGINEERING-ENGR
CO-PI HAAN, FREDERICK AEROSPACE ENGINEERING-ENGR
CO-PI HU, HUI AEROSPACE ENGINEERING-ENGR
CO-PI GALLUS, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
CO-PI SRITHARAN, SIVALINGAM CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$691,653 NATIONAL INSTITUTE ON DRUG ABUSE
Rural Youth and Family Competencies Building Project

98151 9/30/09 to 8/31/10 RESEARCH
CO-PI SPOTH, RICHARD PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$671,854  NATIONAL SCIENCE FOUNDATION
ADVANCE Institutional Transformation Award: Comprehensive Institutional Transformation

77864  9/1/06 to 7/31/11 INSTRUCTION/TRAINING
CARLSON, SUSAN  OFFICE OF THE PROVOST
BIRD, SHARON  SOCIOLOGY
BOWEN, BONNIE  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY
DEBINSKI, DIANE  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY
FEHR, CARLA  PHILOSOPHY & RELIGIOUS STUDIES
GAHN, SANDRA  INSTITUTIONAL RESEARCH
HAMRICK, FLORENCE  EDUCATIONAL LEADERSHIP & POLICY STUDIES

$659,340  HEALTH RESOURCES AND SERVICES ADMINISTRATION
Mobile Modular Biosafety Level 3 Laboratory for Iowa State University College of Veterinary Medicine

99670  9/1/09 to 8/31/10 EQUIPMENT
UHLENHOPP, ELDON  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$650,000  DEPARTMENT OF JUSTICE
Internet-Scale Event and Attack Generation Environment

104322  9/1/09 to 8/31/12 RESEARCH
JACOBSON, DOUG  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$633,308  FEDERAL HIGHWAY ADMINISTRATION
Concrete Overlay Field Application Program

99601  9/23/09 to 10/6/10 RESEARCH
CACKLER, ELLS  INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$586,719  NATIONAL SCIENCE FOUNDATION
Collaborative Research: Taming the Scale Explosion in Nuclear Structure Calculations

96922  9/1/09 to 8/31/14 RESEARCH
VARY, JAMES  PHYSICS & ASTRONOMY-LAS
SOSONKINA, MASHA  AMES LABORATORY DOE-VPR/ED
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Funding Agency</th>
<th>Award Amount</th>
<th>Proposal Title</th>
<th>PI(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/1/09 to 8/31/10</td>
<td>NATIONAL INSTITUTES OF HEALTH, NIMH</td>
<td>$554,490</td>
<td>Resiliency and Vulnerability in African American Parents</td>
<td>CUTRONA, CAROLYN, RUSSELL, DANIEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PSYCHOLOGY, HUMAN DEVELOPMENT &amp; FAMILY STUDIES</td>
</tr>
<tr>
<td>7/1/09 to 6/30/10</td>
<td>DEPARTMENT OF EDUCATION</td>
<td>$515,291</td>
<td>National Science and Mathematics Access to Retain Talent (SMART) Grant, FY10</td>
<td>JOHNSON, ROBERTA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VICE PRESIDENT FOR STUDENT AFFAIRS-VPSA</td>
</tr>
<tr>
<td>9/1/09 to 8/31/13</td>
<td>DEPARTMENT OF AGRICULTURE, CSREES</td>
<td>$473,869</td>
<td>Effects of Lipids on Physical Properties, Digestibility, and Nutritional Benefits of Starchy Foods</td>
<td>JANE, JAY-LIN, HENDRICH, SUZANNE, BIRT, DIANE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FOOD SCIENCE &amp; HUMAN NUTRITION-AES/CALS, FOOD SCIENCE &amp; HUMAN NUTRITION-HS, FOOD SCIENCE &amp; HUMAN NUTRITION-AES/CALS</td>
</tr>
<tr>
<td>9/1/09 to 8/31/12</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>$454,950</td>
<td>TC: Small: Cyber Security for Electric Power Infrastructure: Risk Modeling and Mitigation</td>
<td>GOVINDARASU, MANIMARAN, LIU, CHEN-CHING</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ELECTRICAL &amp; COMPUTER ENGINEERING-ENGR, ELECTRICAL &amp; COMPUTER ENGINEERING-ENGR</td>
</tr>
<tr>
<td>9/1/09 to 8/31/11</td>
<td>NATIONAL INSTITUTES OF HEALTH</td>
<td>$450,433</td>
<td>Histone Modifications and Higher-Order Chromatin Structure</td>
<td>SHOGREN-KNAAK, MICHAEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BIOCHEMISTRY, BIOPHYSICS &amp; MOLECULAR BIOLOGY-LAS</td>
</tr>
<tr>
<td>9/1/09 to 8/31/10</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>$401,731</td>
<td>Optimal siRNA Design Based on Whole Genome Thermodynamic Analysis</td>
<td>CHOU, HUI-HSIEN</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>GENETICS, DEVELOPMENT &amp; CELL BIOLOGY-AES</td>
</tr>
</tbody>
</table>
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$400,000 NATIONAL SCIENCE FOUNDATION

99035 ARI: Informatics Aided Design of Inorganic Scintillator Materials

9/1/09 to 8/31/10 RESEARCH
RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR

$399,982 DEPARTMENT OF STATE

99348 Turkish Student Teacher Internship Project-ECA/A/S/X-09-03

9/16/09 to 6/30/11 INSTRUCTION/TRAINING
SCHMIDT, DENISE CURRICULUM & INSTRUCTION-HS
HARGRAVE, CONNIE CURRICULUM & INSTRUCTION-HS
NIEDERHAUSER, DALE CURRICULUM & INSTRUCTION-HS

$385,632 DEPARTMENT OF AGRICULTURE, CSREES

104221 Agricultural Trade Analysis-Center for Agricultural and Rural Development

9/1/09 to 8/31/11 RESEARCH
HAYES, DERMOT ECONOMICS-AES/CALS
FABIOSA, JACINTO CENTER FOR AGRICULTURAL & RURAL DEVELOPMENT-AES/CALS

$385,000 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

99333 Program Year 20 (2009) Iowa Space Grant Consortium

4/1/05 to 3/31/10 MISCELLANEOUS
BYRD, WILLIAM AEROSPACE ENGINEERING-ENGR

$382,015 CENTERS FOR DISEASE CONTROL AND PREVENTION

98852 Adoption and Implementation Support Innovations for PROSPER Partnership-Based EBI Delivery Network

9/15/09 to 9/14/10 RESEARCH
SPOTH, RICHARD PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED

$368,233 STANFORD UNIVERSITY

98401 Collaborative Research: Cyberinfrastructure and Research Facilities: Tools for Ab Initio Molecular Dynamics and Simulation Analysis

3/1/09 to 8/31/10 RESEARCH
GORDON, MARK CHEMISTRY-LAS
SOSONKINA, MASHA AMES LABORATORY DOE-VPR/ED
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Project Number</th>
<th>Institution</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>432-57-66</td>
<td>DEPARTMENT OF EDUCATION</td>
<td>Academic Competitiveness Grant (ACG), FY10</td>
<td>$367,985</td>
</tr>
<tr>
<td>478-30-43</td>
<td>IOWA COMMISSION ON VOLUNTEER SERVICE</td>
<td>Iowa AmeriCorps State of Promise Program</td>
<td>$340,127</td>
</tr>
<tr>
<td>432-14-07</td>
<td>DEPARTMENT OF EDUCATION</td>
<td>Iowa State University Trio Educational Talent Search</td>
<td>$337,333</td>
</tr>
<tr>
<td>412-45-07</td>
<td>DEPARTMENT OF AGRICULTURE, OCE</td>
<td>Energy from Agriculture: Estimating Output and the Resulting Macroeconomic Consequences Using a Market Based Approach</td>
<td>$330,000</td>
</tr>
<tr>
<td>420-21-97</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Meshing Synthesis and Biosynthesis for KDO: A Key Plant and Bacterial Sugar</td>
<td>$309,399</td>
</tr>
<tr>
<td>436-17-12</td>
<td>FEDERAL HIGHWAY ADMINISTRATION</td>
<td>Guide for Existing Concrete Overlay Design Methodology</td>
<td>$267,804</td>
</tr>
</tbody>
</table>

*Note: All dates are in the format of 10/01/09 to 12/31/09.*
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$262,289 NATIONAL SCIENCE FOUNDATION
104876 National Science Foundation Stephen Howell Intergovermental Personnel Act Personnel Assignment
  9/14/09 to 9/13/10 MISCELLANEOUS
    HOWELL, STEPHEN PLANT SCIENCES INSTITUTE-VPR/ED

$258,392 NATIONAL INSTITUTES OF HEALTH
90801 Metalblast: A Cell and Metabolic Biology Interactive Learning Environment for High School Students
  9/1/09 to 8/31/10 RESEARCH
    WURTELE, EVE GENETICS, DEVELOPMENT & CELL BIOLOGY
    BASSHAM, DIANE GENETICS, DEVELOPMENT & CELL BIOLOGY
    DICKERSON, JULIE ELECTRICAL & COMPUTER ENGINEERING
    HERRNSTADT, STEVEN ART & DESIGN
    OLSON, JOANNE CURRICULUM & INSTRUCTION

$250,273 NATIONAL INSTITUTES OF HEALTH
79202 Modeling Ribosomal Control, Function and Assembly
  9/1/09 to 8/31/10 RESEARCH
    JERNIGAN, ROBERT BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$250,000 FEDERAL HIGHWAY ADMINISTRATION
104835 Optimizing Concrete Mixtures for Performance and Sustainability
  9/4/09 to 9/3/10 RESEARCH
    TAYLOR, PETER INSTITUTE FOR TRANSPORTATION-VPR/ED
    NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$249,999 NATIONAL SCIENCE FOUNDATION
97647 Expanding Technological Literacy Through Engineering Minors
  9/15/09 to 8/31/11 RESEARCH
    MINA, MANI ELECTRICAL & COMPUTER ENGINEERING-ENGR

$249,700 DEPARTMENT OF AGRICULTURE, APHIS
104490 Development of an Illustrated Operational Guideline for Quarantine and Movement Control and Development of a Tactical Field Guide for FADPreP Topics
  4/1/09 to 3/31/10 EXTENSION/PUBLIC
    ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
<table>
<thead>
<tr>
<th>ID</th>
<th>Institution</th>
<th>Description</th>
<th>Amount</th>
<th>Dates</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>104490</td>
<td>DEPARTMENT OF AGRICULTURE, APHIS</td>
<td>Development of an Illustrated Operational Guideline for Quarantine and Movement Control and Development of a Tactical Field Guide for FADPreP Topics</td>
<td>$249,700</td>
<td>4/1/09 to 3/31/10</td>
<td>EXTENSION/PUBLIC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BICKETT-WEDDLE, DANELLE</td>
<td></td>
<td></td>
<td></td>
<td>CENTER FOR FOOD SECURITY &amp; PUBLIC HEALTH-VET</td>
</tr>
<tr>
<td></td>
<td>DVORAK, GLENDRA</td>
<td></td>
<td></td>
<td></td>
<td>CENTER FOR FOOD SECURITY &amp; PUBLIC HEALTH-VET</td>
</tr>
<tr>
<td></td>
<td>EIA, CHERYL</td>
<td></td>
<td></td>
<td></td>
<td>CENTER FOR FOOD SECURITY &amp; PUBLIC HEALTH-VET</td>
</tr>
<tr>
<td></td>
<td>FLAMING, KEVAN</td>
<td></td>
<td></td>
<td></td>
<td>CENTER FOR FOOD SECURITY &amp; PUBLIC HEALTH-VET</td>
</tr>
<tr>
<td>10412-05-31</td>
<td>UNIVERSITY OF CALIFORNIA - BERKELEY</td>
<td>Genetic Mechanisms Regulating Inflorescence Architecture in Maize and Related Cereals</td>
<td>$246,014</td>
<td>8/1/06 to 7/31/10</td>
<td>RESEARCH</td>
</tr>
<tr>
<td></td>
<td>VOLLBRECHT, ERIK</td>
<td></td>
<td></td>
<td></td>
<td>GENETICS, DEVELOPMENT &amp; CELL BIOLOGY</td>
</tr>
<tr>
<td></td>
<td>BRENDDEL, VOLKER</td>
<td></td>
<td></td>
<td></td>
<td>GENETICS, DEVELOPMENT &amp; CELL BIOLOGY</td>
</tr>
<tr>
<td>104484</td>
<td>DEPARTMENT OF AGRICULTURE, CSREES</td>
<td>A Model to Predict Gene Flow in Open-Pollinated Crops</td>
<td>$244,411</td>
<td>9/1/09 to 8/31/12</td>
<td>RESEARCH</td>
</tr>
<tr>
<td></td>
<td>WESTGATE, MARK</td>
<td></td>
<td></td>
<td></td>
<td>AGRONOMY-CALS</td>
</tr>
<tr>
<td></td>
<td>ARRITT, RAYMOND</td>
<td></td>
<td></td>
<td></td>
<td>AGRONOMY-CALS</td>
</tr>
<tr>
<td>104879</td>
<td>UNIVERSITY OF NORTHERN IOWA</td>
<td>Community College STEM Instructor Preparation and Updates-Iowa Math and Science Education Partnership year 2</td>
<td>$243,459</td>
<td>6/1/09 to 5/31/10</td>
<td>RESEARCH</td>
</tr>
<tr>
<td></td>
<td>EBBERS, LARRY</td>
<td></td>
<td></td>
<td></td>
<td>EDUCATIONAL LEADERSHIP &amp; POLICY STUDIES-HS</td>
</tr>
<tr>
<td>104238</td>
<td>IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP</td>
<td>Midwest Grape and Wine Industry Institute</td>
<td>$238,000</td>
<td>7/1/09 to 6/30/10</td>
<td>EXTENSION/PUBLIC</td>
</tr>
<tr>
<td></td>
<td>DHARMADHIKARI, MURLIDHAR</td>
<td></td>
<td></td>
<td></td>
<td>FOOD SCIENCE &amp; HUMAN NUTRITION-EXT</td>
</tr>
<tr>
<td></td>
<td>MILLER, GERALD</td>
<td></td>
<td></td>
<td></td>
<td>EXTENSION TO AGRICULTURE &amp; NATURAL RESOURCES-EXT</td>
</tr>
</tbody>
</table>
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$236,000  DEPARTMENT OF ENERGY

104615  Biomimetic Catalysts Responsive to Specific Chemical Signals

9/15/09  to  9/14/10  RESEARCH
ZHAO, YAN  CHEMISTRY-LAS
WOO, LEE  CHEMISTRY-LAS
HILLIER, ANDREW  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
ANGELICI, ROBERT  AMES LABORATORY DOE-VPR/ED

$231,392  NATIONAL INSTITUTES OF HEALTH

85461  High-Accuracy Protein Models Derived from Lower Resolution Data

9/1/09  to  8/31/10  RESEARCH
KLOCZKOWSKI, ANDRZEJ  PLANT SCIENCES INSTITUTE-VPR/ED
JERNIGAN, ROBERT  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
HONAVAR, VASANT  COMPUTER SCIENCE
WU, ZHIJUN  MATHEMATICS

$222,816  DEPARTMENT OF AGRICULTURE, APHIS

104420  Vesicular Disease Surveillance in Swine Storyboard Educational Materials Development for Veterinarians and Producers

4/1/09  to  3/31/10  EXTENSION/PUBLIC
ROTH, JAMES  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
RAMIREZ, ALEJANDRO  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$218,871  UNIVERSITY OF MINNESOTA

97644  Precise Engineering of Plant Genomes Using Zinc Finger Nucleases

9/15/09  to  8/31/10  RESEARCH
DOBBS, DRENA  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS
WANG, KAN  AGRONOMY-CALS

$206,987  IOWA SOYBEAN ASSOCIATION

99442  Breeding for Diseases, Pests and Abiotic Stress Resistance

10/1/09  to  9/30/10  RESEARCH
CIANZIO, SILVIA  AGRONOMY-AES/CALS
## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Grant Number</th>
<th>Agency</th>
<th>Title</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>98616</td>
<td>USDA</td>
<td>National Effort to Implement Sustainable Management of Sooty Blotch and Flyspeck on Apples</td>
<td>9/1/09</td>
<td>8/31/11</td>
<td>$200,000</td>
</tr>
<tr>
<td>99033</td>
<td>NSF</td>
<td>Iowa EPSCoR: Harnessing Energy Flows in the Biosphere</td>
<td>9/1/09</td>
<td>8/31/10</td>
<td>$200,000</td>
</tr>
<tr>
<td>73949</td>
<td>Caltech</td>
<td>IMR - MIP DANSE</td>
<td>6/1/06</td>
<td>11/30/09</td>
<td>$194,769</td>
</tr>
<tr>
<td>93786</td>
<td>DOE</td>
<td>Rosenberg IPA Assignment</td>
<td>9/1/08</td>
<td>8/31/10</td>
<td>$189,661</td>
</tr>
<tr>
<td>91703</td>
<td>NSF</td>
<td>Assembly and Stability of Metal Nanostructures on Surfaces</td>
<td>7/15/08</td>
<td>6/30/11</td>
<td>$180,000</td>
</tr>
</tbody>
</table>
## GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### September 01 - 30, 2009

<table>
<thead>
<tr>
<th>Amount</th>
<th>Department/Agency</th>
<th>Title of Project</th>
<th>Principal Investigator(s)</th>
<th>Start Date</th>
<th>End Date</th>
<th>RESEARCH AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>$170,000</td>
<td>DEPARTMENT OF ENERGY</td>
<td>Regulation of Chloroplast Biogenesis: The Immutans Mutant of Arabidopsis</td>
<td>RODERMEL, STEVEN</td>
<td>9/1/09</td>
<td>8/31/10</td>
<td>GENETICS, DEVELOPMENT &amp; CELL BIOLOGY</td>
</tr>
<tr>
<td>$170,000</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Geometrically Based Kinetic Approach to Multi-Scale Problems</td>
<td>LIU, HAILIANG</td>
<td>9/15/09</td>
<td>8/31/12</td>
<td>MATHEMATICS-LAS</td>
</tr>
<tr>
<td>$168,682</td>
<td>IOWA SOYBEAN ASSOCIATION</td>
<td>Phase II-Introgression of Novel Genes Conferring Resistance to SCN in Soybean Germplasm of Early Maturity Groups</td>
<td>CIANZIO, SILVIA</td>
<td>10/1/09</td>
<td>9/30/10</td>
<td>AGRONOMY-AES/CALS</td>
</tr>
<tr>
<td>$165,000</td>
<td>FEDERAL HIGHWAY ADMINISTRATION</td>
<td>Technology Demonstrations Projects</td>
<td></td>
<td>9/4/09</td>
<td>9/3/11</td>
<td>INSTITUTE FOR TRANSPORTATION-VPR/ED</td>
</tr>
<tr>
<td>$150,443</td>
<td>IOWA SOYBEAN ASSOCIATION</td>
<td>Soybean Production Research—Breaking the Yield Barrier</td>
<td></td>
<td>10/1/09</td>
<td>9/30/10</td>
<td>AGRONOMY-AES/CALS</td>
</tr>
<tr>
<td>$150,100</td>
<td>BINATIONAL AGRICULTURAL RESEARCH AND DEVELOPMENT FUND</td>
<td>The Role of Cysteine Partitioning into Glutathione and Methionine Synthesis During Normal and Stress Conditions</td>
<td>OLIVER, DAVID</td>
<td>11/1/09</td>
<td>10/30/12</td>
<td>GENETICS, DEVELOPMENT &amp; CELL BIOLOGY-LAS</td>
</tr>
</tbody>
</table>
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$149,472 NATIONAL SCIENCE FOUNDATION

99031 CPATH I: Experimenting with an Open Platform for the New Interdisciplinary Study on Gerontechnology

INSTRUCTION/TRAINING

9/1/09 to 8/31/10

CHANG, CARL

CO-PI

WONG, JOHNNY

CO-PI

MITRA, SIMANTA

CO-PI

MARTIN, PETER

CO-PI

SHELLEY, MACK

CO-PI

COMPUTER SCIENCE-LAS

COMPUTER SCIENCE-LAS

COMPUTER SCIENCE-LAS

HUMAN DEVELOPMENT & FAMILY STUDIES-HS

STATISTICS-LAS

$147,863 NATIONAL SCIENCE FOUNDATION

98007 Soil Sensors and Their Wireless Underground Network for Precision Farming and Environmental Management

RESEARCH

9/15/09 to 8/31/10

KUMAR, RATNESH

CO-PI

BIRRELL, STUART

CO-PI

WEBER, ROBERT

CO-PI

KALEITA-FORBES, AMY

CO-PI

KAMAL, AHMED

CO-PI

ELECTRICAL & COMPUTER ENGINEERING-ENGR

AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

ELECTRICAL & COMPUTER ENGINEERING-ENGR

AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

ELECTRICAL & COMPUTER ENGINEERING-ENGR

$140,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION

98818 Office of Intellectual Property and Technology Transfer Support

RESEARCH

7/1/09 to 6/30/99

QUISENBERRY, SHARRON

VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED

$135,099 DEPARTMENT OF COMMERCE

104080 University Center Economic Development Program

EXTENSION/PUBLIC

8/1/07 to 7/31/10

WILCOX, RUTH

CO-PI

COX, RONALD

CO-PI

ROBERTS, JOHN

CO-PI

CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

$117,951 NATIONAL SCIENCE FOUNDATION

104164 Designing Touch-Sound Interfaces to Geospatial Information for Visually-Impaired Users

RESEARCH

9/1/09 to 8/31/11

HARDING, CHRIS

GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$116,588 FEDERAL HIGHWAY ADMINISTRATION

104981 Revised CP Road Map Administrative Support Contract TO#3

9/11/08 to 7/12/10 RESEARCH

WIEGAND, PAUL

INSTITUTE FOR TRANSPORTATION-VPR/ED

NAMBISAN, SHASHI

INSTITUTE FOR TRANSPORTATION-VPR/ED

$116,588 FEDERAL HIGHWAY ADMINISTRATION

104981 Revised CP Road Map Administrative Support Contract TO#3

9/11/08 to 7/12/10 RESEARCH

WIEGAND, PAUL

INSTITUTE FOR TRANSPORTATION-VPR/ED

NAMBISAN, SHASHI

INSTITUTE FOR TRANSPORTATION-VPR/ED

$114,405 UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.

105003 KU Chemical Methodologies and Library Development Center

8/1/09 to 7/31/10 RESEARCH

LAROCK, RICHARD

CHEMISTRY-LAS

$114,405 UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.

105003 KU Chemical Methodologies and Library Development Center

8/1/09 to 7/31/10 RESEARCH

LAROCK, RICHARD

CHEMISTRY-LAS

$108,491 DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY

98603 Missouri River Mitigation: Iowa Wetland Restoration Functional Assessment

6/4/09 to 4/30/10 RESEARCH

OTIS, DAVID

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

KOFORD, ROLF

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$108,491 DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY

98603 Missouri River Mitigation: Iowa Wetland Restoration Functional Assessment

6/4/09 to 4/30/10 RESEARCH

OTIS, DAVID

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

KOFORD, ROLF

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$108,204 UNIVERSITY OF NORTHERN IOWA

104635 Iowa Math and Science Education Support for Mathematics and Science Teacher Recruitment Activities

6/1/09 to 5/31/10 INSTRUCTION/TRAINING

DOUGHERTY, BARBARA

CURRICULUM & INSTRUCTION-HS

$108,204 UNIVERSITY OF NORTHERN IOWA

104635 Iowa Math and Science Education Support for Mathematics and Science Teacher Recruitment Activities

6/1/09 to 5/31/10 INSTRUCTION/TRAINING

DOUGHERTY, BARBARA

CURRICULUM & INSTRUCTION-HS

$108,000 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

99525 Dynamical Selection of Three-Dimensional Interface Patterns in Directional Solidification

6/1/07 to 5/31/12 RESEARCH

TRIVEDI, ROHIT

MATERIALS SCIENCE & ENGINEERING-ENGR

$107,624 UNIVERSITY OF VIRGINIA

96366 Center for Catalytic Hydrocarbon Functionalization

8/1/09 to 7/31/10 RESEARCH

LIN, SHANG-YI

CHEMISTRY-LAS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$106,270 NORTH CENTRAL SOYBEAN RESEARCH PROGRAM

**97423** Sequencing the Fusarium Virguliformae Genome

10/1/09 to 9/30/10 RESEARCH
BHATTACHARYYA, MADAN AGRONOMY-CALS
HUANG, XIAOQIU COMPUTER SCIENCE-LAS

$103,600 ARCHER DANIELS MIDLAND COMPANY

**104601** Enzymatic Modifications of Maltodextrins by Reactions with Sucrose and Dextranucrases

9/1/09 to 9/30/10 RESEARCH
ROBYT, JOHN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

$101,405 NATIONAL SCIENCE FOUNDATION

**98405** Effects of Cloud and Radiation Processes on Climate Simulations of Global Water and Energy Cycle

9/15/09 to 8/31/10 RESEARCH
WU, XIAOQING GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$101,219 IOWA SOYBEAN ASSOCIATION

**99603** Towards Integrated Management of Bean Pod Mottle Virus and the Prediction of the Winter Survival of its Insect Vectors: Bean Leaf and Japanese Beetles

10/1/09 to 9/30/10 RESEARCH
NUTTER, FORREST PLANT PATHOLOGY-AES/CALS
ROBERTSON, ALISON PLANT PATHOLOGY-AES/CALS

$100,000 DEPARTMENT OF HUMAN SERVICES

**97825** Healthy and Drug Free Worth County

9/30/09 to 9/29/10 EXTENSION/PUBLIC
SCHRANDT-PROUTY, MARY EXTENSION 4-H YOUTH DEVELOPMENT-EXT
JOHNSON, DENNIS EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$100,000 UNIVERSITY OF NORTHERN IOWA

**104634** Iowa Math and Science Education Program Institute Support Functions

6/1/09 to 5/31/10 INSTRUCTION/TRAINING
DOUGHERTY, BARBARA CURRICULUM & INSTRUCTION-HS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$100,000 UNIVERSITY OF NORTHERN IOWA
104636 Iowa Math and Science Education Program Faculty Line Support in Mathematics/Science Education
   6/1/09 to 5/31/10 INSTRUCTION/TRAINING
   DOUGHERTY, BARBARA CURRICULUM & INSTRUCTION-HS

$99,730 DEPARTMENT OF EDUCATION
105117 Teacher Education Assistance for College and Higher Education (TEACH) Grant, FY10
   7/1/09 to 6/30/10 STUDENT FINANCIAL AID
   JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$97,890 DEPARTMENT OF AGRICULTURE
99429 Leopold Center Hypoxia Project, IA
   9/1/09 to 8/31/10 RESEARCH
   KIRSCHENMANN, FREDERICK LEOPOLD CENTER-AES/CALS
   CO-PI NEAL, JERI LEOPOLD CENTER-AES/CALS

$95,775 IOWA DEPARTMENT OF NATURAL RESOURCES
104075 Distribution and Abundance of Topeka Shiners in West-Central Iowa
   8/19/09 to 9/30/12 RESEARCH
   QUIST, MICHAEL NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
   CO-PI PIERCE, CLAY NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$93,584 UNIVERSITY OF NORTHERN IOWA
104964 Improving Mathematics Instruction in Pre-K Classrooms
   6/1/09 to 5/31/10 RESEARCH
   PETERSON, CARLA HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$92,767 PURDUE UNIVERSITY
92043 SoyMapII: Leveraging Genetic Diversity in Soybean
   3/1/09 to 2/28/11 RESEARCH
   SHOEMAKER, RANDY AGRONOMY
   CO-PI LAMKEY, KENDALL AGRONOMY
### GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Grant No.</th>
<th>Amount</th>
<th>Institution</th>
<th>Sponsor</th>
<th>Principal Investigator(s)</th>
<th>Department</th>
<th>Start Date</th>
<th>End Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90767</td>
<td>$91,000</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>REU Site: Materials Education and Research on Far-From-Equilibrium Materials, Processes, Structures, and Properties</td>
<td>MARTIN, STEVE</td>
<td>MATERIALS SCIENCE &amp; ENGINEERING</td>
<td>4/1/10</td>
<td>3/31/11</td>
<td>RESEARCH to NATIONAL SCIENCE FOUNDATION</td>
</tr>
<tr>
<td>91353</td>
<td>$89,531</td>
<td>PURDUE UNIVERSITY</td>
<td>Spray and Combustion of Gelled Hypergolic Propellants</td>
<td>MEYER, TERRENCE</td>
<td>MECHANICAL ENGINEERING</td>
<td>6/1/08</td>
<td>5/31/11</td>
<td>RESEARCH to PURDUE UNIVERSITY</td>
</tr>
<tr>
<td>98229</td>
<td>$85,000</td>
<td>IOWA GOVERNORS TRAFFIC SAFETY BUREAU</td>
<td>Teen/Young Adult Alcohol and Traffic Safety</td>
<td>STEWART, JERRY</td>
<td>DEPARTMENT OF PUBLIC SAFETY-VPBF</td>
<td>10/1/09</td>
<td>9/30/10</td>
<td>EXTENSION/PUBLIC to IOWA GOVERNORS TRAFFIC SAFETY BUREAU</td>
</tr>
<tr>
<td>105399</td>
<td>$84,091</td>
<td>IOWA STATE UNIVERSITY RESEARCH FOUNDATION</td>
<td>Patent Royalties</td>
<td>THOMSON, JOHN</td>
<td>VETERINARY ADMINISTRATION-VET</td>
<td>7/1/09</td>
<td>12/31/99</td>
<td>DEPT/ADMIN SUPPORT to IOWA STATE UNIVERSITY RESEARCH FOUNDATION</td>
</tr>
<tr>
<td>104700</td>
<td>$83,221</td>
<td>SANDIA NATIONAL LABORATORIES</td>
<td>Estimative Language and Statistical Relational Learning</td>
<td>NORDMAN, DANIEL, WILSON, ALYSON</td>
<td>STATISTICS-LAS, STATISTICS-LAS</td>
<td>3/16/09</td>
<td>9/30/10</td>
<td>RESEARCH to SANDIA NATIONAL LABORATORIES</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CO-PI</td>
</tr>
<tr>
<td>Project Number</td>
<td>Principal Investigator(s)</td>
<td>Collaborator(s)</td>
<td>Agency</td>
<td>Amount</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------</td>
<td>-----------------</td>
<td>-------</td>
<td>--------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>93556</td>
<td>ARRITT, RAYMOND</td>
<td>ANEX, ROBERT</td>
<td>NATIONAL RENEWABLE ENERGY LABORATORY</td>
<td>$81,851</td>
<td>Researching the Relation Between Biofuels Production and the Hydrologic Cycle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>99304</td>
<td>MAUDE, SUSAN</td>
<td>BROTHERSON, MARY</td>
<td>IOWA DEPARTMENT OF EDUCATION</td>
<td>$76,966</td>
<td>2009 Professional Development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>98086</td>
<td>ANDERSON, CHRISTOPHER</td>
<td></td>
<td>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</td>
<td>$74,745</td>
<td>Multi-RCM Ensemble Downscaling of NCEP CFS Seasonal Forecasts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>99440</td>
<td>GRIFFITH, RONALD</td>
<td></td>
<td>DEPARTMENT OF AGRICULTURE, CSREES</td>
<td>$73,493</td>
<td>Minor Use Animal Drug Program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96404</td>
<td>BROTHERSON, MARY</td>
<td>MAUDE, SUSAN</td>
<td>UNIVERSITY OF KANSAS</td>
<td>$72,600</td>
<td>Building Foundations for Self-Determination in Young Children with Disabilities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>87748</td>
<td>HANSEN, DAVID</td>
<td></td>
<td>DEPARTMENT OF EDUCATION</td>
<td>$69,152</td>
<td>North American Indigenous Community--Building Outreach and Understanding</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$68,000  DEPARTMENT OF ENERGY  401-21-21
99354  Investigations in Experimental and Theoretical High Energy Physics
11/1/08 to 10/31/09  RESEARCH
KRENNRICH, FRANK  PHYSICS & ASTRONOMY-LAS

$65,000  MICHIGAN STATE UNIVERSITY  410-40-21
99596  North Central Plant Diagnostic Network
7/1/07 to 6/30/10  EXTENSION/PUBLIC
BAUM, THOMAS  PLANT PATHOLOGY-AES/CALS

$65,000  NORTHWEST AREA FOUNDATION  400-30-21
104623  Horizons Alumni Grant 2010
9/1/09 to 9/30/10  EXTENSION/PUBLIC
WARNING, JEANNE  EXTENSION TO FAMILIES-EXT
CO-PI FREEMAN, RUTH  EXTENSION TO FAMILIES-EXT
CO-PI FLETCHER, CYNTHIA  HUMAN DEVELOPMENT & FAMILY STUDIES-EXT

$64,648  IOWA SOYBEAN ASSOCIATION  450-40-05
99489  Identify the Mechanisms Used by Fusarium Virguliforme to Cause Sudden Death Syndrome in Soybean
10/1/09 to 9/30/10  RESEARCH
BHATTACHARYYA, MADAN  AGRONOMY-AES/CALS
CO-PI LEANDRO, LEONOR  PLANT PATHOLOGY-AES/CALS

$61,887  UNITED SOYBEAN BOARD  459-40-34
104196  Soy Protein Plastics Formulation Development for Enhanced Mechanical Strength and Reduced Water Solubility
9/1/09 to 8/31/10  RESEARCH
GREWELL, DAVID  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$58,000  UNIVERSITY OF WISCONSIN, MADISON  404-40-25
87000  Great Lakes Bioenergy Research Center
9/30/07 to 11/30/09  RESEARCH
BABCOCK, BRUCE  ECONOMICS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Grant Number</th>
<th>Agency/Entity</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>99860</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>$55,716</td>
<td>CBiRC-NCTAF Partnership: Developing a Professional Learning Community with Des Moines Schools</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SHANKS, BRENT CHEMICAL &amp; BIOLOGICAL ENGINEERING-ENGR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LESHEM-ACKERMAN, ADAH ECOLOGY, EVOLUTION &amp; ORGANISMAL BIOLOGY-LAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10/1/09 to 9/30/10 INSTRUCTION/TRAINING</td>
</tr>
<tr>
<td>91367</td>
<td>ARIZONA STATE UNIVERSITY</td>
<td>$55,641</td>
<td>A Wireless, Multimode, Artificial Neural Network-Based Physical Activity Monitor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WELK, GREGORY KINESIOLOGY</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9/19/08 to 6/30/10 RESEARCH</td>
</tr>
<tr>
<td>104856</td>
<td>VIETNAM EDUCATION INTERNATIONAL DEVELOPMENT</td>
<td>$54,000</td>
<td>Vietnam Education International Development for Graduate School</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>HOLGER, DAVID GRADUATE COLLEGE-PROV</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8/1/09 to 7/31/11 FELLOWSHIP</td>
</tr>
<tr>
<td>99485</td>
<td>SOUTH DAKOTA STATE UNIVERSITY</td>
<td>$53,000</td>
<td>Biomass Regional Feedstock Partnership: Corn Stover Removal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>BIRRELL, STUART AGRICULTURAL &amp; BIOSYSTEMS ENGINEERING-AES/CALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4/1/09 to 9/30/10 RESEARCH</td>
</tr>
<tr>
<td>104798</td>
<td>STORY COUNTY DEPARTMENT OF PUBLIC HEALTH</td>
<td>$50,821</td>
<td>Regional Dissemination of School and Community Programming Through the Iowa State University Campus Community Partnership for Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WELK, GREGORY KINESIOLOGY-HS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7/1/09 to 6/30/10 RESEARCH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SEEGER, CHRISTOPHER LANDSCAPE ARCHITECTURE-DSN</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CO-PI</td>
</tr>
<tr>
<td>104447</td>
<td>BUREAU OF RECLAMATION-DO-ACQUISITION</td>
<td>$50,000</td>
<td>Hydraulic Model Parallelization with Domain Decomposition and MPI</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WANG, ZHI AEROSPACE ENGINEERING-ENGR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8/20/09 to 12/31/09 RESEARCH</td>
</tr>
</tbody>
</table>
## GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**September 01 - 30, 2009**

<table>
<thead>
<tr>
<th>Contract Number</th>
<th>Principal Investigator(s)</th>
<th>Funding Agency</th>
<th>Amount</th>
<th>Proposal Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>92666</td>
<td>CHIMENTI, DALE, ROBERTS, RONALD, HOLLAND, STEPHEN</td>
<td>INVOCON, INC</td>
<td>$45,000</td>
<td>Detection of Pressure Vessel Breach in Manned Spacecraft Using Leak-Generated, Structure-Borne Noise - Phase II</td>
</tr>
<tr>
<td>98510</td>
<td>GASSMANN, AARON, WEBER, PATRICK</td>
<td>SYNGENTA</td>
<td>$43,200</td>
<td>Corn Pests Research Project</td>
</tr>
<tr>
<td>104217</td>
<td>KRENNRICH, FRANK</td>
<td>NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</td>
<td>$41,169</td>
<td>Search for Unique Signatures from EBL Absorption in Unusually Hard Blazar Spectra</td>
</tr>
<tr>
<td>98968</td>
<td>ROSS, JASON</td>
<td>IOWA PORK PRODUCERS ASSOCIATION</td>
<td>$40,000</td>
<td>Development of an In Vitro Model of Heat Stress During Pig Oocyte Maturation and its Impact on Embryonic Developmental Competency</td>
</tr>
<tr>
<td>99454</td>
<td>GKRITZA, KONSTANTINA, NAMBISAN, SHASHI</td>
<td>IOWA DEPARTMENT OF TRANSPORTATION</td>
<td>$40,000</td>
<td>Enhancing Motorcycle Conspicuity Awareness in Iowa</td>
</tr>
<tr>
<td>99575</td>
<td>FALES, AMANDA, PETERSEN, CHRISTINE</td>
<td>MORRIS ANIMAL FOUNDATION AND PFIZER ANIMAL HEALTH</td>
<td>$40,000</td>
<td>Determination of the Impact of Vector Control on Transmission and Immunopathology of Canine Visceral Leishmaniasis</td>
</tr>
</tbody>
</table>
September 01 - 30, 2009

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$40,000  MORRIS ANIMAL FOUNDATION AND PFIZER ANIMAL HEALTH  400-23-07

99575  Determination of the Impact of Vector Control on Transmission and Immunopathology of Canine Visceral Leishmaniasis

8/1/09 to 7/30/13  FELLOWSHIP

CO-PI NOLAN, LISA  VETERINARY ADMINISTRATION-VET

$39,950  REDWOOD SCIENTIFIC, INC  404-25-21

104728  Testing Plan for Bond Line Integrity

5/1/09 to 4/30/10  RESEARCH

BASTAWROS, ASHRAF  AEROSPACE ENGINEERING-ENGR

$38,500  NATIONAL SCIENCE FOUNDATION  420-40-34

96709  Biocomplexity of Hydrological Service Payments and Watershed Sustainability in Mexico

9/1/09 to 8/31/10  RESEARCH

ASBJORNS, HEIDI  NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS

$38,000  FIRST LEGO LEAGUE  400-20-56

104371  First Lego League Program

7/16/08 to 5/30/10  DEPT/ADMIN SUPPORT

JOHNSON, JOEL  ENGINEERING ACADEMIC & STUDENT AFFAIRS-ENGR

SCHROEDER, CAMILLE  ENGINEERING ACADEMIC & STUDENT AFFAIRS-ENGR

$37,340  IOWA SOYBEAN ASSOCIATION  450-30-32

99684  Formulating a Needs Assessment Survey and Providing IPM-Based Demonstrations for Soybean Entomology

10/1/09 to 9/30/10  EXTENSION/PUBLIC

HODGSON, ERIN  ENTOMOLOGY-EXT

$37,119  DEPARTMENT OF AGRICULTURE, FAS, OCBD  412-45-18

104524  Scientific Exchanges for China: Agricultural Biotechnology Regulation and Policy: Opportunities at Iowa State University

8/21/09 to 9/30/10  INSTRUCTION/TRAINING

WOLT, JEFFREY  AGRONOMY-AES/CALS

BJELLAND, DENISE  GLOBAL AGRICULTURE PROGRAMS-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$36,873 DEPARTMENT OF AGRICULTURE, ERS

104790 Traceability and Incentives for Food Safety

8/31/09 to 1/31/11 RESEARCH
POULIOT, SEBASTIEN ECONOMICS-AES/CALS

$36,396 UNIVERSITY OF FLORIDA

88033 Construction of Comprehensive Sequence Indexed Transposon Resources for Maize

8/1/09 to 7/31/10 RESEARCH
LAWRENCE, CAROLYN GENETICS, DEVELOPMENT & CELL BIOLOGY
SPALDING, MARTIN GENETICS, DEVELOPMENT & CELL BIOLOGY

$36,037 PRAIRIE LAKES AREA EDUCATION AGENCY 8

104376 Area Education Agency 8 Technology Leadership Training

8/1/09 to 6/30/11 EXTENSION/PUBLIC
MCLEOD, SCOTT EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS

$34,440 KANSAS STATE UNIVERSITY

99011 PRRS Host Genetics Consortium: A Proposal to Develop a Consortium to Study the Role of Host Genetics and Resistance to PRRSV

8/15/09 to 8/15/10 RESEARCH
REECY, JAMES ANIMAL SCIENCE-AES/CALS

$33,600 NATIONAL SCIENCE FOUNDATION

99172 CSR-DMSS, SM: Design and Evaluation of a Scalable Meta-Event Dissemination System

8/11/09 to 8/31/11 RESEARCH
TIRTHAPURA, SRIKANTA ELECTRICAL & COMPUTER ENGINEERING-ENGR
SOMANI, ARUN ELECTRICAL & COMPUTER ENGINEERING-ENGR

$32,878 IOWA SOYBEAN ASSOCIATION

99455 Soybean Development and Susceptibility to Sudden Death Syndrome

10/1/09 to 9/30/10 RESEARCH
LEANDRO, LEONOR PLANT PATHOLOGY-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$32,000 UNIVERSITY OF MINNESOTA

99371 CYFERNet Technology

5/15/09 to 5/14/10 EXTENSION/PUBLIC
WOODS, BARBARA EXTENSION TO FAMILIES-EXT

$31,800 NATIONAL SCIENCE FOUNDATION

99221 PRAC: Computational Chemistry at the Petascale

10/1/09 to 9/30/12 RESEARCH
LAMM, MONICA CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
BODE, BRETT ELECTRICAL & COMPUTER ENGINEERING-ENGR
GORDON, MARK CHEMISTRY-LAS
SOSONKINA, MASHA COMPUTER SCIENCE-LAS
WINDUS, THERESA CHEMISTRY-LAS

$31,606 DEPARTMENT OF AGRICULTURE, FAS

105204 Pest Monitoring and Forecasting Training for Serbia

5/12/08 to 12/31/10 EXTENSION/PUBLIC
GLEASON, MARK PLANT PATHOLOGY-EXT

$30,000 DEPARTMENT OF ENERGY, OBER

93859 Genomics of Wood Formation and Cellulosic Biomass Traits in Sunflower

9/15/08 to 9/14/10 RESEARCH
LAMKEY, KENDALL AGRONOMY-CALS
MAREK, LAURA AGRONOMY-CALS

$30,000 SOUTH DAKOTA STATE UNIVERSITY

98057 Regional Biomass Feedstock Partnership-Herbaceous Bioenergy Crop Field Trials

1/1/09 to 9/30/10 RESEARCH
HEATON, EMILY AGRONOMY-AES
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$30,000 IOWA SOYBEAN ASSOCIATION
99494 Non-Host Resistance for Creating Broad-Spectrum Disease Resistance in Soybean
10/1/09 to 9/30/10 RESEARCH
BHATTACHARYYA, MADAN AGRONOMY-AES/CALS

$30,000 IOWA SOYBEAN ASSOCIATION
99532 Aphid-Crop Interactions
10/1/09 to 9/30/10 RESEARCH
MILLER, WYATT PLANT PATHOLOGY-AES/CALS
CO-PI BONNING, BRYONY ENTOMOLOGY-AES/CALS
CO-PI MACINTOSH, GUSTAVO BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

$30,000 MONSANTO COMPANY
104527 MON 78789 and Foliar Mixtures on Soy Brown Stem Rot I
5/1/09 to 12/31/09 RESEARCH
TYLKA, GREGORY PLANT PATHOLOGY-AES/CALS

$30,000 NATIONAL INSTITUTES OF HEALTH
104637 Characterization of a Complex Regulatory Element of Spinal Muscular Atrophy Genes
9/1/09 to 6/30/10 EQUIPMENT
SINGH, RAVINDRA BIOMEDICAL SCIENCES-VET

$30,000 ROCKWELL COLLINS, INC
105206 A Virtual Reality Interface for Product/Analysis Data Visualization
8/15/08 to 8/15/10 RESEARCH
OLIVER, JAMES MECHANICAL ENGINEERING-ENGR

$25,063 NATIONAL SCIENCE FOUNDATION
95590 Collaborative Research: Recovery and Analysis of Preserved Poaceae Viruses to Examine Microbial Dispersal and Evolution During an Era of Global Change
9/1/09 to 8/31/10 RESEARCH
MILLER, WYATT PLANT PATHOLOGY-AES/CALS
<table>
<thead>
<tr>
<th>ID</th>
<th>Date</th>
<th>Funding Body</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>104562</td>
<td>8/21/09 to 6/30/10</td>
<td>DEPARTMENT OF AGRICULTURE, NRCS</td>
<td>Modeling and Analytical Assistance for the Conservation Effects Assessment Project</td>
</tr>
<tr>
<td>104575</td>
<td>8/31/09 to 9/30/10</td>
<td>DEPARTMENT OF AGRICULTURE, FAS</td>
<td>2009 Southeast Asia Borlaug Fellows Program at Iowa State University</td>
</tr>
<tr>
<td>98271</td>
<td>9/11/09 to 12/31/09</td>
<td>UNITED STATES ARMY CORPS OF ENGINEERS</td>
<td>Water Quality Study, Red Rock Reservoir</td>
</tr>
<tr>
<td>104342</td>
<td>8/1/09 to 12/15/09</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>SAI Technology Training for Administrators Agreement 02</td>
</tr>
<tr>
<td>104138</td>
<td>8/31/09 to 6/30/10</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>CAREER: On Mutualism of Modularity and Concurrency Goals</td>
</tr>
<tr>
<td>98262</td>
<td>9/8/09 to 2/28/10</td>
<td>UNITED STATES ARMY CORPS OF ENGINEERS</td>
<td>Water Quality Study, Saylorville Reservoir</td>
</tr>
</tbody>
</table>
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### 1. Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury

- **Amount:** $20,000
- **Recipient:** VETERANS ADMINISTRATION CENTER - IOWA CITY
- **Project Title:** Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury
- **Start Date:** 8/14/09
- **End Date:** 9/30/09
- **Fund Source:** RESEARCH
- **Department:** VETERINARY CLINICAL SCIENCES

### 2. Marketing Experiments for Induced Bone Regeneration

- **Amount:** $20,000
- **Recipient:** OSTEOCERAMICS, INC
- **Project Title:** Marketing Experiments for Induced Bone Regeneration
- **Start Date:** 7/1/03
- **End Date:** 12/31/09
- **Fund Source:** RESEARCH
- **Department:** VETERINARY CLINICAL SCIENCES-VET

### 3. Royalty Income - IPRT

- **Amount:** $16,012
- **Recipient:** IOWA STATE UNIVERSITY RESEARCH FOUNDATION
- **Project Title:** Royalty Income - IPRT
- **Start Date:** 7/1/09
- **End Date:** 12/31/99
- **Fund Source:** MISCELLANEOUS
- **Department:** INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

### 4. Increasing Building Energy Efficiency by Using Fabric Ducting

- **Amount:** $15,975
- **Recipient:** DUCTSOX CORPORATION
- **Project Title:** Increasing Building Energy Efficiency by Using Fabric Ducting
- **Start Date:** 8/16/09
- **End Date:** 8/15/10
- **Fund Source:** RESEARCH
- **Department:** MECHANICAL ENGINEERING-ENGR

### 5. Technology Integration Assistance 2009-10, Mahaska County Educational Consortium

- **Amount:** $15,924
- **Recipient:** MAHASKA COUNTY EDUCATIONAL CONSORTIUM
- **Project Title:** Technology Integration Assistance 2009-10, Mahaska County Educational Consortium
- **Start Date:** 8/1/09
- **End Date:** 6/30/10
- **Fund Source:** INSTRUCTION/TRAINING
- **Department:** EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS

### 6. Genetic Analysis of the Federally Endangered Winged Mapleleaf Mussel to Aid Proposed Re-Introduction Efforts

- **Amount:** $14,973
- **Recipient:** ARMY CORPS OF ENGINEERS
- **Project Title:** Genetic Analysis of the Federally Endangered Winged Mapleleaf Mussel to Aid Proposed Re-Introduction Efforts
- **Start Date:** 9/14/09
- **End Date:** 9/30/10
- **Fund Source:** RESEARCH
- **Department:** NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$13,801  IOWA SOYBEAN ASSOCIATION  450-30-06
99560  Soybean Seed Treatment and Inoculant Evaluation

10/1/09  to  9/30/10  RESEARCH
PEDERSEN, PALLE  AGRONOMY-AES/CALS

$12,500  AMERICAN SOCIETY OF AGRONOMY  400-40-03
105028  United Soybean Board Fellowship

8/24/09  to  12/31/09  FELLOWSHIP
FEHR, WALTER  AGRONOMY-AES/CALS

$11,693  NATIONAL INSTITUTES OF HEALTH  430-21-06
104016  Pilot-Scale Heterocyclic and Carbocyclic Libraries for High Throughput Screening

9/1/09  to  8/31/10  RESEARCH
LAROCK, RICHARD  CHEMISTRY-LAS

$11,000  IOWA STATE UNIVERSITY RESEARCH FOUNDATION  405-25-02
99789  Pb-Free Solder Research-Micro-Analysis of Solder Joints

11/1/08  to  8/30/09  RESEARCH
ANDERSON, IVER  MATERIALS SCIENCE & ENGINEERING-ENGR

$10,047  IOWA DEPARTMENT OF NATURAL RESOURCES  473-46-05
104589  2009 Rathbun Lake Watershed Study

9/1/09  to  5/30/10  RESEARCH
DOWNING, JOHN  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS

$10,000  AUBURN UNIVERSITY  410-30-47
104535  Technology Specialist for the Army Youth Development

7/20/09  to  9/30/09  EXTENSION/PUBLIC
MORRIS, JOHN  EXTENSION 4-H YOUTH DEVELOPMENT-EXT
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Grant Number</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>104694</td>
<td>$10,000</td>
<td>Graduate Student Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCHOLARSHIP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ANIMAL SCIENCE-AES/CALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9/1/09 to 6/30/10</td>
</tr>
<tr>
<td>99517</td>
<td>$9,987</td>
<td>Development of a Field Crop Weed Identification Guide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EXTENSION/PUBLIC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PLANT PATHOLOGY-AES/CALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10/1/09 to 9/30/10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PLANT PATHOLOGY-AES/CALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AGRONOMY-AES/CALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HARTZLER, ROBERT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUELLER, DAREN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TYLKA, GREGORY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$9,976 UNIVERSITY OF MINNESOTA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2/1/10 to 5/31/11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>410-30-50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GLEASON, MARK</td>
</tr>
<tr>
<td>97885</td>
<td>$8,558</td>
<td>Extended-Duration Row Covers to Suppress Bacterial Wilt on Muskmelon: Optimizing a New Management Strategy for Organic Growers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RESEARCH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PLANT PATHOLOGY-EXT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2/1/10 to 5/31/11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400-25-15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LUECKE, GREG</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$8,501 ARMY RESEARCH OFFICE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9/1/09 to 12/31/09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>421-17-06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LUECKE, GREG</td>
</tr>
<tr>
<td>105081</td>
<td>$8,500</td>
<td>Immersive Combine Simulator: Moline Application</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RESEARCH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MECHANICAL ENGINEERING-ENGR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9/1/09 to 12/31/09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>419-40-41</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GUAN, YONG</td>
</tr>
<tr>
<td>97220</td>
<td>$8,500</td>
<td>ARO Workshop on Digital Forensics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MISCELLANEOUS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ELECTRICAL &amp; COMPUTER ENGINEERING-ENGR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8/21/09 to 7/20/10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>419-40-41</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GUAN, YONG</td>
</tr>
<tr>
<td>96875</td>
<td>$8,500</td>
<td>Research Support Agreement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RESEARCH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AGRONOMY-AES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10/1/08 to 9/30/09</td>
</tr>
</tbody>
</table>
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

400-30-12

105136 Local Support for Iowa AmeriCorps State of Promise Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC

BROSHAR, DON

EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$7,594 CENTERVILLE COMMUNITY SCHOOL DISTRICT

98434 Bridge Studio Affordable Housing Student Competition

10/1/08 to 9/30/09 MISCELLANEOUS

LEWIS, CALVIN

ARCHITECTURE-DSN

ANDERSON, NADIA

ARCHITECTURE-DSN

$7,500 IOWA FINANCE AUTHORITY

104662 Review of National Aeronautic and Space Administration Standard 5014-Nondestructive Evaluation Implementation Handbook for Fracture Control Programs

8/25/09 to 9/11/09 RESEARCH

THOMPSON, R.

MATERIALS SCIENCE & ENGINEERING-ENGR

$7,170 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

104941 Effect of Liquid-Gel Delivery of HMB Through Oral and Sub-Lingual Administration on Plasma Levels of HMB

5/1/09 to 6/30/10 RESEARCH

SHARP, RICKEY

KINESIOLOGY-HS

KRENNRICH, JULIENNE

INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP

$7,088 METABOLIC TECHNOLOGIES, INC

99811 Phase Behavior of Ternary Systems Based on Biodiesel, Diesel and Water

7/1/09 to 12/31/09 RESEARCH

MALLAPRAGADA, S.

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

NARASIMHAN, BALAJI

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$6,371 RENEWABLE ENERGY GROUP

98926 Iowa Healthy Communities Initiative-Year 2

7/1/09 to 6/30/10 EXTENSION/PUBLIC

WARNING, JEANNE

EXTENSION AREA - NORTHWEST-EXT

CLARK, NANCY

EXTENSION TO FAMILIES-EXT

$6,323 KOSSUTH COUNTY BOARD OF HEALTH
### I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
<thead>
<tr>
<th>Grant ID</th>
<th>Amount</th>
<th>Start/End Date</th>
<th>Institution</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>104211</td>
<td>$6,271</td>
<td>7/9/09 - 11/15/09</td>
<td>ROYAL OAK SCHOOLS</td>
<td>Ferrofluid Inductor Investigation</td>
</tr>
<tr>
<td>94534</td>
<td>$6,174</td>
<td>9/26/07 - 9/30/09</td>
<td>UNIVERSITY OF WASHINGTON</td>
<td>Perform Numerical Simulations to Support PNNL Project 51655</td>
</tr>
<tr>
<td>96766</td>
<td>$5,647</td>
<td>6/1/09 - 9/30/10</td>
<td>UNIVERSITY OF MINNESOTA</td>
<td>NEFE High School Financial Planning Program Evaluation</td>
</tr>
<tr>
<td>104770</td>
<td>$5,433</td>
<td>8/20/09 - 12/31/09</td>
<td>UNIVERSITY OF IOWA</td>
<td>Phase 1 Archaeological Survey for City of Newell</td>
</tr>
<tr>
<td>105292</td>
<td>$5,062</td>
<td>9/1/09 - 8/31/10</td>
<td>UNIVERSITY OF IOWA</td>
<td>Local Support for Iowa AmeriCorps State of Promise Program</td>
</tr>
<tr>
<td>Date Range</td>
<td>Description</td>
<td>Amount</td>
<td>Project Code</td>
<td>Principal Investigator</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
<td>--------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>9/1/09 - 8/31/09</td>
<td>Xanthomonas Genomics Conference 2009</td>
<td>$5,000</td>
<td>98451</td>
<td>BOGDANOVE, ADAM</td>
</tr>
<tr>
<td>8/15/09 - 12/31/09</td>
<td>Fungicidal Efficacy of Three EcoSMART Technologies Products</td>
<td>$4,000</td>
<td>104736</td>
<td>GLADON, RICHARD</td>
</tr>
<tr>
<td>7/1/09 - 6/30/10</td>
<td>Phase 1 Archaeological Survey</td>
<td>$3,615</td>
<td>104495</td>
<td>HILL, MATTHEW</td>
</tr>
<tr>
<td>9/1/09 - 8/31/10</td>
<td>Local Support for Iowa AmeriCorps State of Promise Program</td>
<td>$3,375</td>
<td>105077</td>
<td>BROSHAR, DON</td>
</tr>
<tr>
<td>8/1/09 - 5/30/10</td>
<td>Community Coaching and Capacity Building</td>
<td>$3,240</td>
<td>104710</td>
<td>EMERY, MARY</td>
</tr>
<tr>
<td>9/6/07 - 9/6/12</td>
<td>Plant Exploration in the United States to Collect Sunflower Germplasm for Crop Improvement</td>
<td>$3,000</td>
<td>104584</td>
<td>LAMKEY, KENDALL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAREK, LAURA</td>
</tr>
</tbody>
</table>
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$2,432 DEPARTMENT OF NATURAL RESOURCES
104495 Phase 1 Archaeological Survey
7/1/09 to 6/30/10 EXTENSION/PUBLIC
HILL, MATTHEW ANTHROPOLOGY-LAS

$2,000 AMERICAN PSYCHOLOGICAL FOUNDATION
98665 Coping with Discrimination Among Asian American Community Adults
9/6/09 to 9/5/10 RESEARCH
WEI, MEIFEN PSYCHOLOGY-LAS

$1,801 IOWA STATE BANK
104706 Phase 1 Archaeological Survey for a Hog Confinement in Ringgold County
8/17/09 to 12/31/09 EXTENSION/PUBLIC
HILL, MATTHEW ANTHROPOLOGY-LAS

$1,688 COMMUNITY FOUNDATION OF THE GREAT RIVER BEND
105137 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$1,000 MICHIGAN STATE UNIVERSITY
99267 NCRAC Base Extension Programming
9/1/09 to 8/31/10 EXTENSION/PUBLIC
MORRIS, JOSEPH NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
CLAYTON, RICHARD NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT

$906 COMMUNITY CORRECTION IMPROVEMENT ASSOCIATION
105162 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$857 UNITED STATES ARMY CORPS OF ENGINEERS
98271 Water Quality Study, Red Rock Reservoir
8/19/98 to 9/30/09 RESEARCH
LUTZ, DONNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
$844 MERRYMakers Association
105135 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT
$844 ASPIRE THERAPEUTIC RIDING PROGRAM
105138 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT
$844 POSITIVELY SPENCER YOUTH
105163 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT
$574 UNITED STATES ARMY CORPS OF ENGINEERS
98262 Water Quality Study, Saylorville Reservoir
5/1/09 to 9/30/09 RESEARCH
LUTZ, DONNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
$453 HARTLEY PUBLIC LIBRARY
105293 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT