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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$22,189,706	DEPARTMENT OF ENERGY			401-25-01
93016	Operating and Management Support for the Ames Laboratory			
	11/1/08 to 9/30/10	RESEARCH		
	KING, ALEXANDER		AMES LABORATORY	
\$4,373,488	DEPARTMENT OF ENERGY			442-21-01
104796	A Genetically Tractable Microalgal Platform for Advanced Biofuel Production			
	1/15/10 to 1/14/13	RESEARCH		
	SPALDING, MARTIN		GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
CO-PI	NIKOLAU, BASIL		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS	
CO-PI	HALVERSON, LARRY		PLANT PATHOLOGY-AES/CALS	
CO-PI	WURTELE, EVE		GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
CO-PI	OLIVER, DAVID		GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
\$2,429,999	CONOCOPHILLIPS COMPANY			400-77-17
105762	Biofuels Research Program (2010)			
	1/1/10 to 12/31/10	RESEARCH		
	BROWN, ROBERT		MECHANICAL ENGINEERING-ENGR	
\$499,833	DEPARTMENT OF AGRICULTURE, NIFA			416-30-10
99266	Learning and Teaching with Experimental Watersheds: Evaluation of Ecosystem Services in Mixed Annual-perennial Agroecosystems			
	2/1/10 to 1/31/13	RESEARCH		
	HELMERS, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	ASBJORNSEN, HEIDI		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	GRUDENS-SCHUCK, NANCY		AGRICULTURAL EDUCATION & STUDIES-AES/CALS	
CO-PI	LIEBMAN, MATTHEW		AGRONOMY-AES/CALS	
CO-PI	ONEAL, MATTHEW		ENTOMOLOGY-AES/CALS	
CO-PI	SCHULTE, LISA		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	TYNDALL, JOHN		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	ARBUCKLE, J.		SOCIOLOGY-AES/CALS	
CO-PI	HARRIS, MARY		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	

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\$499,250	DEPARTMENT OF AGRICULTURE, NIFA		416-40-29
99543	Influence of Alternative Biomass Cropping Systems on Short-term Ecosystem Processes		
	1/1/10 to 12/31/12	RESEARCH	
	ISENHART, THOMAS	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	SCHULTE, LISA	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	HALL, RICHARD	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	HALLAM, J.	ECONOMICS-AES/CALS	
CO-PI	HEATON, EMILY	AGRONOMY-AES/CALS	
CO-PI	HELMERS, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	HOFMOCKEL, KIRSTEN	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
CO-PI	MOORE, KENNETH	AGRONOMY-AES/CALS	
\$410,842	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP		471-30-90
105803	Nutrient and Water Management Project		
	1/1/10 to 12/31/10	RESEARCH	
	HELMERS, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	CRUMPTON, WILLIAM	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$360,396	DEPARTMENT OF AGRICULTURE, NIFA		416-40-39
99324	An Analysis of the Impact of Biofuel Expansion through Linking of Agricultural and Energy Markets		
	1/15/10 to 1/14/13	RESEARCH	
	ELOBEID, AMANI	ECONOMICS-AES/CALS	
\$350,000	DEPARTMENT OF AGRICULTURE, NIFA		416-21-11
99077	Characterizing and Engineering Biochemical Processes Governing the Balance of Metabolic Flux to Amino Acids, Proteins, and Starch Stored in Maize Grain		
	12/15/09 to 12/14/12	RESEARCH	
	MYERS, ALAN	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	
CO-PI	KEELING, PETER	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS	
\$326,000	NORTHWEST AREA FOUNDATION		400-30-25
95687	Horizons Community Implementation Project Phase III		
	7/17/08 to 7/31/10	EXTENSION/PUBLIC	
	WARNING, JEANNE	EXTENSION TO FAMILIES-EXT	
CO-PI	FLETCHER, CYNTHIA	HUMAN DEVELOPMENT & FAMILY STUDIES-EXT	

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\$326,000	NORTHWEST AREA FOUNDATION				400-30-25
95687	Horizons Community Implementation Project Phase III				
	7/17/08 to 7/31/10	EXTENSION/PUBLIC			
CO-PI	FREEMAN, RUTH		EXTENSION TO FAMILIES-EXT		
\$320,000	IOWA DEPARTMENT OF TRANSPORTATION				474-17-35
105430	Local Technical Assistance Program HR-296 for 2010				
	1/1/10 to 12/31/10	RESEARCH			
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	MCDONALD, THOMAS		INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$300,000	SMALL BUSINESS ADMINISTRATION				435-08-18
104083	Iowa Small Business Development Center FY2010 Small Business Administration Cooperative Agreement				
	10/1/09 to 9/30/10	EXTENSION/PUBLIC			
	HECKMANN, JAMES		SMALL BUSINESS DEVELOPMENT CENTER-BUS		
\$292,887	IOWA DEPARTMENT OF TRANSPORTATION				474-17-51
106164	Aurora Program Management				
	10/1/03 to 12/31/12	RESEARCH			
CO-PI	HAWKINS, NEAL		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	ALBRECHT, CHRISTOPHER		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$260,142	NATIONAL INSTITUTES OF HEALTH				430-21-36
81059	Regulation of Chromatin Structure and Gene Expression				
	1/1/10 to 12/31/10	RESEARCH			
CO-PI	JOHANSEN, KRISTEN		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY		
CO-PI	JOHANSEN, JORGEN		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY		
CO-PI	GIRTON, JACK		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY		
\$254,032	POET				400-30-59
105480	Effect of Corn Cob-Piles on Subsequent Crop Development and Soil Health				
	10/19/09 to 12/31/11	RESEARCH			
	ELMORE, ROGER		AGRONOMY-EXT		

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$254,032 POET

400-30-59

105480 Effect of Corn Cob-Piles on Subsequent Crop Development and Soil Health

10/19/09 to 12/31/11 RESEARCH
CO-PI AL-KAISI, MAHDI AGRONOMY-EXT

\$237,133 NATIONAL INSTITUTES OF HEALTH

430-21-05

87415 Regulations of Snare Dependent Membrane Fusion

12/1/09 to 11/30/10 RESEARCH
SHIN, YEON-KYUN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

\$211,089 UNIVERSITY OF GEORGIA

404-17-40

87134 Risk, Resilience, and Disorder: African Americans Transitioning to Adulthood

9/27/07 to 6/30/10 RESEARCH
CO-PI CUTRONA, CAROLYN PSYCHOLOGY
GIBBONS, FREDERICK PSYCHOLOGY

\$210,000 IOWA DEPARTMENT OF TRANSPORTATION

474-79-14

105542 Connection Details and Field Implementation of UHPC Piles

12/17/09 to 5/31/12 RESEARCH
CO-PI SRITHARAN, SIVALINGAM CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$208,131 DEERE & COMPANY

400-65-20

93427 Development of the Advanced Systems Design Suite

1/1/10 to 12/31/10 RESEARCH
CO-PI WINER, ELIOT MECHANICAL ENGINEERING-ENGR
OLIVER, JAMES MECHANICAL ENGINEERING-ENGR

\$206,752 DEPARTMENT OF AGRICULTURE, NIFA

416-43-54

104446 Enhancing Farmland Water Quality and Availability through Soil-building Crop Rotations and Organic Practices

9/1/09 to 8/31/12 RESEARCH
CO-PI DELATE, KATHLEEN HORTICULTURE-AES/CALS
CHASE, CRAIG EXTENSION AREA - NORTHEAST-EXT

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\$200,000	IOWA STATE UNIVERSITY RESEARCH FOUNDATION		405-17-01
98818	Office of Intellectual Property and Technology Transfer Support		
	7/1/09 to 6/30/99	RESEARCH	
	QUISENBERRY, SHARRON	VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED	
\$193,885	NATIONAL SCIENCE FOUNDATION		420-61-35
104047	Console Replacement for a 20-year Old 400 MHz Open Access NMR Spectrometer		
	1/1/10 to 12/31/12	EQUIPMENT	
	PETRICH, JACOB	CHEMISTRY-LAS	
\$193,079	FLUOROUS TECHNOLOGIES, INC		444-21-02
105122	Fluorose Solution-phase Synthesis of Peptides and Oligosaccharides		
	9/4/09 to 8/31/10	RESEARCH	
	POHL, NICOLA	CHEMISTRY-LAS	
\$179,966	NATIONAL INSTITUTES OF HEALTH		430-46-04
94385	Use of RecA to Promote Gene Targeting		
	3/1/09 to 2/28/11	RESEARCH	
	ESSNER, JEFFREY	GENETICS, DEVELOPMENT & CELL BIOLOGY-AES	
\$174,208	DEPARTMENT OF EDUCATION		432-21-01
85932	Chemical Transformations of Biomass: A New Direction in Graduate Education		
	8/15/07 to 8/14/10	FELLOWSHIP	
	PETRICH, JACOB	CHEMISTRY	
\$162,500	IOWA SOYBEAN ASSOCIATION		450-40-19
105957	Entomology Extension and Research Initiative		
	10/1/09 to 9/30/10	EXTENSION/PUBLIC	
	LEWIS, LES	ENTOMOLOGY-AES/CALS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$153,590 IOWA DEPARTMENT OF TRANSPORTATION

474-79-33

105594 Study of the Impacts of Implements of Husbandry on Iowa Bridges

1/25/10 to 6/30/11 RESEARCH

WIPF, TERRY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$150,560 IOWA DEPARTMENT OF NATURAL RESOURCES

473-40-41

97391 Fish Species of Greatest Conservation Need in Iowa's Nonwadeable Rivers: Distribution, Relative Abundance, and Relationships with Instream Habitat and Potential Movement Barriers

10/15/09 to 9/30/12 RESEARCH

QUIST, MICHAEL NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS

\$150,000 MARCH OF DIMES BIRTH DEFECTS FOUNDATION

400-21-39

99783 Resolving Cadherin Mediated Cell-Cell Adhesion and Signaling at the Single Molecule Level

2/1/10 to 1/31/12 RESEARCH

SIVASANKAR, SANJEEVI PHYSICS & ASTRONOMY-LAS

\$145,000 NATIONAL SCIENCE FOUNDATION

420-25-60

105180 Phase III Renewal Proposal for Industry/University Cooperative Research Center for Nondestructive Evaluation

1/15/10 to 12/31/14 RESEARCH

THOMPSON, R. MATERIALS SCIENCE & ENGINEERING-ENGR

\$140,000 NATIONAL SCIENCE FOUNDATION

420-61-71

92095 Sex Chromosome Evolution in Turtles

1/1/10 to 12/31/10 RESEARCH

VALENZUELA-CASTRO, MARIA ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

\$140,000 OREGON DEPARTMENT OF TRANSPORTATION

404-17-09

105458 Mechanistic Design Guide Calibration for Pavement Rehabilitation

1/25/10 to 6/30/11 RESEARCH

WILLIAMS, R CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

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\$137,000	NATIONAL SCIENCE FOUNDATION			420-21-85
90108	Gene Expression Response to Naturally Fluctuating Temperature in Turtles with Alternative Sex Determining Mechanisms			
	3/1/08 to 2/28/11	RESEARCH		
	VALENZUELA-CASTRO, MARIA		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	
\$136,000	DEPARTMENT OF ENERGY			401-21-27
96323	Building a Universal Nuclear Energy Density Functional			
	12/1/08 to 11/30/10	RESEARCH		
	VARY, JAMES		PHYSICS & ASTRONOMY-LAS	
\$132,000	NATIONAL SCIENCE FOUNDATION			420-25-44
96206	Activation of Oxygen: Mechanistic Aspects of Electron Transfer and Atom Transfer			
	2/1/06 to 1/31/11	RESEARCH		
	BAKAC, ANDREJA		CHEMISTRY-LAS	
\$131,873	UNIVERSITY OF NORTHERN IOWA			475-20-21
105481	Project Lead the Way Expansion			
	6/1/09 to 5/31/10	MISCELLANEOUS		
	ZACHARY, LOREN		ENGINEERING ADMINISTRATION-ENGR	
\$126,960	DEERE & COMPANY			400-65-19
93389	Tool Tracking for Improved Quality and Validation of Complex Manufacturing Processes			
	1/1/10 to 12/31/10	RESEARCH		
	STOYTCHEV, ALEXANDER		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
	CO-PI WINER, ELIOT		MECHANICAL ENGINEERING-ENGR	
\$126,188	DEERE & COMPANY			400-65-18
93386	Integrated Robust Optimal Design for Quality Improvement and Cost Reduction in Product Development			
	1/1/10 to 12/31/10	RESEARCH		
	KELKAR, ATUL		MECHANICAL ENGINEERING-ENGR	

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\$125,123 DEERE & COMPANY

400-65-25

93380 Developing Tools for the Design of Multiphase Flows

1/1/10 to 12/31/10 RESEARCH

BRYDEN, KENNETH MECHANICAL ENGINEERING-ENGR

\$125,000 DEPARTMENT OF AGRICULTURE, NIFA

416-43-51

105283 Integrating Soil Water Flowpaths and the Nitrogen Cycle

1/1/10 to 12/31/11 RESEARCH

CASTELLANO, MICHAEL AGRONOMY-AES/CALS

\$122,368 NATIONAL SCIENCE FOUNDATION

420-40-53

91800 Determining Soil Water Evaporation and Subsurface Evaporation Zones

1/8/10 to 9/30/11 RESEARCH

HORTON, ROBERT AGRONOMY

CO-PI EWING, ROBERT AGRONOMY

\$118,380 DEERE & COMPANY

400-65-08

93390 Virtual Training, Assembly and Maintenance Methods

1/1/10 to 12/31/10 RESEARCH

VANCE, JUDY MECHANICAL ENGINEERING-ENGR

CO-PI OLIVER, JAMES MECHANICAL ENGINEERING-ENGR

\$115,000 NATIONAL SCIENCE FOUNDATION

420-61-02

90299 Conformationally Controllable Amphiphiles and their Applications in Sensor Design

2/1/08 to 1/31/11 RESEARCH

ZHAO, YAN CHEMISTRY

\$111,879 DEERE & COMPANY

400-65-17

93382 Enhancing Realism and Flexibility of VR-based Real-time Dynamic Simulation Framework with Operator and Hardware In-the-loop

1/1/10 to 12/31/10 RESEARCH

KELKAR, ATUL MECHANICAL ENGINEERING-ENGR

CO-PI STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

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\$109,828	NATIONAL SCIENCE FOUNDATION			420-61-18
93248	Collaborative Research: AToL: PorToL-The Porifera Tree of Life Project			
	10/1/08 to 9/30/11	RESEARCH		
	LAVROV, DENNIS		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$101,869	KENT STATE UNIVERSITY			404-25-81
79256	Self-Assembled Soft Optical NIMS			
	10/1/09 to 9/30/10	RESEARCH		
	SOUKOULIS, COSTAS		PHYSICS & ASTRONOMY	
\$100,954	DEERE & COMPANY			400-65-03
93394	Development of VR Simulation for 3D Painter Training			
	1/1/10 to 12/31/10	RESEARCH		
	WINER, ELIOT		MECHANICAL ENGINEERING-ENGR	
\$100,000	PIONEER HI-BRED INTERNATIONAL, INC			400-40-79
104424	Transgenic Plant Resistance to Invertebrate Pests			
	8/1/09 to 5/31/11	RESEARCH		
	BONNING, BRYONY		ENTOMOLOGY-AES/CALS	
CO-PI	MILLER, WYATT		PLANT PATHOLOGY-AES/CALS	
\$100,000	MIDAMERICAN ENERGY COMPANY			400-20-73
106191	MidAmerican Energy Company Electric Power Research Center (MEC-EPRC)			
	11/1/09 to 10/31/10	RESEARCH		
	BAIRD, TOM		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$97,244	NATIONAL SCIENCE FOUNDATION			420-40-56
78335	REU Site: Research Experience for Undergraduates in Molecular Biotechnology and Genomics			
	3/15/06 to 2/28/11	INSTRUCTION/TRAINING		
	ROTHSCHILD, MAX		ANIMAL SCIENCE	
CO-PI	OLIVER, DAVID		GENETICS, DEVELOPMENT & CELL BIOLOGY	

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\$95,000	IOWA DEPARTMENT OF PUBLIC SAFETY			478-31-02
106221	Governor's Highway Traffic Safety Conference 2010			
	10/1/09 to 9/30/10	EXTENSION/PUBLIC		
	KIEFFER, JULIE		EXTENSION COMMUNICATIONS AND EXTERNAL RELATIONS-EXT	
\$90,136	NATIONAL SCIENCE FOUNDATION			420-20-08
76122	CAREER: Distributed Space-time Processing for Sensor Networks			
	1/8/10 to 2/28/11	RESEARCH		
	DOGANDZIC, ALEKSANDAR		ELECTRICAL & COMPUTER ENGINEERING	
\$90,131	INTEL FOUNDATION			400-20-33
104373	Package/Die Interaction in Layered Media Substrates			
	1/1/10 to 12/31/10	RESEARCH		
	SONG, JIMING		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$90,125	UNIVERSITY OF FLORIDA			410-40-61
98769	Mitigation and Management of an Exotic, Insect-vectored Disease			
	9/1/09 to 8/31/14	RESEARCH		
	HARRINGTON, THOMAS		PLANT PATHOLOGY-AES/CALS	
\$90,000	UNIVERSITY OF IOWA			404-40-34
91624	Selection of Small Inhibitory Molecules Against Filoviruses			
	8/5/08 to 7/31/10	RESEARCH		
	NILSEN-HAMILTON, MARIT		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
\$89,969	NATIONAL SCIENCE FOUNDATION			420-40-65
83239	LTREB: Long-term Research on Environmental Gender Determination in a Model System: The Next Five Years			
	3/15/07 to 2/28/11	RESEARCH		
	JANZEN, FREDRIC		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	

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\$89,596	WEST VIRGINIA UNIVERSITY	404-20-45
98464	Dynamic Roughness Smart Skins for Aerodynamic Flow Control	
	9/4/09 to 9/3/12 RESEARCH	
	ROTHMAYER, ALRIC AEROSPACE ENGINEERING-ENGR	
\$86,270	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT	478-29-03
97574	Iowa Development and Economic Asset Mapping	
	1/11/10 to 6/30/11 RESEARCH	
	JOHNSTON, DOUGLAS COMMUNITY & REGIONAL PLANNING-DSN	
CO-PI	BORICH, TIMOTHY COMMUNITY & REGIONAL PLANNING-DSN	
CO-PI	HADDAD, MONICA COMMUNITY & REGIONAL PLANNING-DSN	
\$85,571	IOWA DEPARTMENT OF HUMAN SERVICES	470-30-04
105673	Food Stamp Outreach Project	
	1/1/10 to 9/30/10 EXTENSION/PUBLIC	
	GREDER, KIMBERLY HUMAN DEVELOPMENT & FAMILY STUDIES-EXT	
CO-PI	GARASKY, STEVEN HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
CO-PI	COOK, CHRISTINE HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$83,137	YALE UNIVERSITY	404-21-47
85294	Comparative Analysis of C3 and C4 Leaf Development in Rice, Sorghum and Maize	
	8/1/07 to 7/31/10 RESEARCH	
	LIU, PENG STATISTICS	
\$80,271	DEERE & COMPANY	400-43-05
105414	Development Variable Rate Stover Collection for Single Pass Biomass Harvester	
	5/31/10 to 5/31/11 RESEARCH	
	BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	STEWART, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	

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\$80,000	NATIONAL SCIENCE FOUNDATION			420-20-75
104220	CAREER: Meeting Deadlines: Theories and Algorithms to Support Delay Constrained Communication in Wireless Networks			
	1/15/10 to 12/31/10	RESEARCH		
	YING, LEI		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$78,791	DEERE & COMPANY			400-43-15
105413	Development and Evaluation of Smart Spout/Auger for Biomass Harvester			
	5/31/10 to 5/31/11	RESEARCH		
	BIRRELL, STUART		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	DARR, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$76,000	CALIFORNIA INSTITUTE OF TECHNOLOGY			400-21-23
105146	Eleanor Searle Visiting Professor of the History of Science			
	1/1/10 to 6/30/10	MISCELLANEOUS		
	WILSON, DAVID		HISTORY-LAS	
\$75,622	OFFICE OF NAVAL RESEARCH			421-21-24
97671	Towards Secure and Privacy-preserving Deployment and Access of Large Tactical Sensor Networks			
	6/1/09 to 5/31/12	RESEARCH		
	ZHANG, WENSHENG		COMPUTER SCIENCE-LAS	
\$75,206	DEERE & COMPANY			400-65-23
93376	Improved Reliability through Linked Information Gathering			
	1/1/10 to 12/31/10	RESEARCH		
	BRYDEN, KENNETH		MECHANICAL ENGINEERING-ENGR	
\$72,955	DEERE & COMPANY			400-43-06
105447	Development and Evaluation In-field Biomass Densification Systems			
	10/1/10 to 12/1/11	RESEARCH		
	BIRRELL, STUART		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	DARR, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	

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\$69,033	WINEGARD COMPANY			400-25-36
105902	Controls and Stabilization Development for Marine Satellite TV and Two-way Internet Motorized Antennas			
	1/1/10 to 12/31/10	RESEARCH		
	LUECKE, GREG		MECHANICAL ENGINEERING-ENGR	
\$67,154	UNIVERSITY OF NEBRASKA-LINCOLN			400-44-02
105807	Functional Analysis of Soybean Genes through Transposon Mutagenesis			
	10/1/08 to 9/30/10	RESEARCH		
	WANG, KAN		AGRONOMY-AES/CALS	
\$65,833	NATIONAL SCIENCE FOUNDATION			420-61-53
105717	Collaborative Research: The North American Regional Climate Change Assessment Program (NARCCAP)-Using Multiple GCMs and RCMs to Simulate Future Climates and their Uncertainty			
	1/1/06 to 6/30/10	RESEARCH		
	GUTOWSKI, WILLIAM		GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
CO-PI	ARRITT, RAYMOND		AGRONOMY-AES/CALS	
CO-PI	TAKLE, GENE		AGRONOMY-AES/CALS	
\$65,000	IOWA DEPARTMENT OF MANAGEMENT			478-28-03
104279	Early Childhood PBS Project 2009-10			
	12/10/09 to 9/30/10	RESEARCH		
	PETERSON, CARLA		HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
CO-PI	LUZE, GAYLE		HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$58,786	DEERE & COMPANY			400-72-11
93375	Project 5 or Phase V: Stress for John Deere Fatigue Life Prediction Applications			
	1/1/10 to 12/31/10	RESEARCH		
	CHUMBLEY, LEONARD		MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	LO, CHI		CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	NAKAGAWA, NORIO		CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	

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\$54,082	DEERE & COMPANY			400-65-24
93379	Extensible VE Tools for Improved Product Design			
	1/1/10 to 12/31/10	RESEARCH		
	BRYDEN, KENNETH		MECHANICAL ENGINEERING-ENGR	
\$53,460	UNITED WAY OF STORY COUNTY			400-30-58
105562	Story County Needs Assessment: Mail/Web Survey/Map and Report Development			
	7/1/09 to 5/31/11	RESEARCH		
	SEEGER, CHRISTOPHER		LANDSCAPE ARCHITECTURE-DSN	
CO-PI	WELK, GREGORY		KINESIOLOGY-HS	
CO-PI	LADJAHASAN, NORA		INSTITUTE FOR DESIGN RESEARCH & OUTREACH-DSN	
CO-PI	LARSON, JANICE		CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED	
\$50,042	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH			421-20-03
90215	Cyanate Ester Resins Modified with Nano-particles for Inclusion in Continuous Fiber Reinforced Composites			
	12/1/09 to 11/30/10	RESEARCH		
	KESSLER, MICHAEL		MATERIALS SCIENCE & ENGINEERING	
\$50,000	ENVIRONMENTAL PROTECTION AGENCY			429-30-02
99784	Development of a North Central Integrated Pest Management Pest Information Platform for Extension and Education Web Site to Increase Adoption of Integrated Pest Management			
	9/30/09 to 9/29/11	EXTENSION/PUBLIC		
	MUELLER, DAREN		PLANT PATHOLOGY-EXT	
\$50,000	IOWA DEPARTMENT OF TRANSPORTATION			474-79-13
105491	Structural Characterization of a UHPC Waffle Bridge Deck and Its Connections			
	11/20/09 to 4/30/11	RESEARCH		
	SRITHARAN, SIVALINGAM		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	ROUSE, JON		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	WIPF, TERRY		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	

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\$49,456	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP			471-30-07
106142	Impacts of Crop, Biomass Harvest Systems, and Nutrient Management on Soil and Phosphorus Loss with Surface Runoff Project			
	1/1/10 to 12/31/10	EXTENSION/PUBLIC		
	MALLARINO, ANTONIO	AGRONOMY-EXT		
CO-PI	HELMERS, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT		
\$42,000	LOS ALAMOS NATIONAL LABORATORY			404-20-24
106015	Increasing Combustion Modeling Accuracy Using KIVA-4			
	12/22/09 to 9/30/10	RESEARCH		
	KONG, SONG-CHARNG	MECHANICAL ENGINEERING-ENGR		
\$41,782	CIMMYT			404-40-73
105875	Integration of CIMMYT Maize Data with MaizeGDB Resource			
	12/15/09 to 4/30/10	RESEARCH		
	SPALDING, MARTIN	GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS		
CO-PI	LAWRENCE, CAROLYN	GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS		
\$40,000	COTTON INCORPORATED			400-21-34
104852	Comparative Evolutionary Proteomics of Cotton			
	1/1/10 to 12/31/10	RESEARCH		
	WENDEL, JONATHAN	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS		
\$39,884	IOWA WEST FOUNDATION			400-28-30
105926	Evaluating the Impact of State and Foundation Funding on Preschool Services in Pottawattamie County			
	12/1/09 to 8/31/10	RESEARCH		
	HEGLAND, SUSAN	HUMAN DEVELOPMENT & FAMILY STUDIES-HS		
\$36,098	IOWA DEPARTMENT OF TRANSPORTATION			474-17-66
106182	Wind Monitoring of the Red Rock Reservoir Bridge for Wind Induced Vibrations with Remote, Cellular-based Notification			
	2/1/09 to 2/28/12	RESEARCH		
	PHARES, BRENT	INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED		

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$33,714	UNIVERSITY OF MARYLAND			404-17-08
97290	Sensitivity Evaluation of MEPDG Performance Prediction			
	9/2/09 to 4/30/11	RESEARCH		
	CEYLAN, HALIL		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$33,678	ARIZONA STATE UNIVERSITY			404-20-28
105705	National Energy Technology Laboratory Power Systems Engineering Research Center (NETL-PSERC) SC-09-3			
	9/1/09 to 12/31/99	RESEARCH		
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$32,929	IOP24, LLC			400-75-44
105680	Novel Device for Continuous Monitoring of Intraocular Pressure in Glaucoma Patients			
	12/1/09 to 12/31/10	RESEARCH		
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES-VET	
CO-PI	KRENNRICH, JULIENNE		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY-VPR/ED	
\$30,820	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP			471-30-14
106149	Impacts of Crop, Biomass Harvest Systems, and Nutrient Management of Yield and Subsurface Drainage Water Quality			
	1/1/10 to 12/31/10	EXTENSION/PUBLIC		
	HELMERS, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT	
CO-PI	SAWYER, JOHN		AGRONOMY-EXT	
CO-PI	MALLARINO, ANTONIO		AGRONOMY-EXT	
\$30,000	IOWA ARMY NATIONAL GUARD			478-40-35
106400	Wetland Mitigation Project			
	1/1/10 to 12/31/10	RESEARCH		
	MCMULLEN, CATHERINE		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$27,588	DEPARTMENT OF EDUCATION			432-57-70
105118	PELL Grant, FY10			
	7/1/09 to 6/30/10	STUDENT FINANCIAL AID		
	JOHNSON, ROBERTA		STUDENT FINANCIAL AID-VPSA	

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\$26,719	BROWN UNIVERSITY			404-21-71
84850	Demographic and Hormonal Profiles of Reproductive Decline in Perimenopause			
	9/30/06 to 8/31/10	RESEARCH		
	BRONIKOWSKI, ANNE		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	
\$21,371	IOWA DEPARTMENT OF PUBLIC HEALTH			478-40-36
105991	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)			
	1/1/10 to 12/31/10	RESEARCH		
	BARTHOLOMAY, LYRIC		ENTOMOLOGY-AES/CALS	
\$20,961	DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER			428-23-13
84162	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury			
	12/7/09 to 2/7/10	RESEARCH		
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES	
CO-PI	SAKAGUCHI, DONALD		GENETICS, DEVELOPMENT & CELL BIOLOGY	
\$20,000	UNIVERSITY OF NEBRASKA-LINCOLN			404-20-03
93210	Multi-laser-beam Open-atmosphere Surface Coating Techniques Based on Precursor Excitation, Photodissociation and Controlled Cooling			
	1/1/08 to 6/30/10	RESEARCH		
	WANG, XINWEI		MECHANICAL ENGINEERING-ENGR	
\$15,000	DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER			428-23-13
84162	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury			
	12/8/09 to 12/18/09	RESEARCH		
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES	
CO-PI	SAKAGUCHI, DONALD		GENETICS, DEVELOPMENT & CELL BIOLOGY	
\$13,135	DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY			424-17-01
105636	Characterizing Uncertainty in the Impact of Global Climate Change on Large River Fishes: Missouri River Sturgeon			
	12/15/09 to 12/14/10	RESEARCH		
	ANDERSON, CHRISTOPHER		AGRONOMY-AES/CALS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$12,000	CENTERS FOR DISEASE CONTROL AND PREVENTION			428-21-01
104295	Usual Dietary Intake of Folic Acid Among the U.S. Population			
	9/1/09 to 8/31/10	RESEARCH		
	CARRIQUIRY, ALICIA		STATISTICS-LAS	
\$11,250	IOWA STATE UNIVERSITY RESEARCH FOUNDATION			405-40-10
98290	Detecting Homologous Recombination in Plants			
	2/23/09 to 12/31/09	RESEARCH		
	WRIGHT, DAVID		GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS	
\$10,736	POLK COUNTY AGRICULTURAL EXTENSION DISTRICT			400-30-62
106151	After School Girls Program			
	10/1/09 to 7/31/10	EXTENSION/PUBLIC		
	PETERSON, MARC		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$10,003	IOWA DEPARTMENT OF HUMAN SERVICES			470-28-31
106006	Child Support Training BOC-07-021 Eighth Amendment			
	1/1/10 to 6/30/10	EXTENSION/PUBLIC		
	LEMPERS, JACOBUS		HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$10,000	DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER			428-23-13
84162	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury			
	12/8/09 to 12/18/09	RESEARCH		
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES	
CO-PI	SAKAGUCHI, DONALD		GENETICS, DEVELOPMENT & CELL BIOLOGY	
\$10,000	LALLEMAND ANIMAL NUTRITION			400-40-56
98173	Growth Performance and Kinetics of Probiotic Microorganisms in Enzyme-modified Corn Distillers Dried Grains			
	4/15/09 to 5/31/10	RESEARCH		
	LAMSAL, BUDDHI		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$10,000	IOWA FRUIT AND VEGETABLE GROWERS ASSOCIATION			410-40-44
104316	Increased Production and Marketability of Specialty Fruit Crops Grown in Tunnel Structure			
	11/1/09 to 11/1/10	RESEARCH		
	NONNECKE, GAIL		HORTICULTURE-AES/CALS	
\$10,000	HNTB CORPORATION			404-17-65
106140	Bridge Designs for Rapid Renewal			
	3/1/09 to 10/31/09	RESEARCH		
	WIPF, TERRY		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	PHARES, BRENT		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$10,000	DEPARTMENT OF AGRICULTURE, ARS			419-42-20
106623	Research Support Agreement			
	10/1/09 to 9/30/10	RESEARCH		
	LEWIS, LES		ENTOMOLOGY-AES/CALS	
\$9,965	UNIVERSITY OF MINNESOTA			410-40-49
97821	Incorporating Native Prairies into Working Farm Landscapes			
	9/1/09 to 8/31/11	RESEARCH		
	LIEBMAN, MATTHEW		AGRONOMY-CALS	
CO-PI	JARCHOW, MEGHANN		AGRONOMY-CALS	
CO-PI	HEATON, EMILY		AGRONOMY-AES	
\$9,600	GROW IOWA FOUNDATION			400-30-53
105768	Implementation Support for BuylowaOnline.com			
	11/12/09 to 1/31/10	EXTENSION/PUBLIC		
	BORICH, TIMOTHY		EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT	
\$6,000	DEPARTMENT OF EDUCATION			432-57-68
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	

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\$5,733	ECLIPSE, INC				400-20-47
104994	Project Title: CO/H2/CH4 Fuel Combustion Properties				
	1/4/10	to	5/14/10	RESEARCH	
	MEYER, TERRENCE			MECHANICAL ENGINEERING-ENGR	
\$5,576	FARMERS COOPERATIVE COMPANY				400-75-43
106141	Evaluation of the Effect of Decreasing the Standard Deviation of Particle Size in Ground Corn				
	1/4/10	to	2/28/10	RESEARCH	
	PATIENCE, JOHN			ANIMAL SCIENCE-AES/CALS	
CO-PI	KRENNRICH, JULIENNE			INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	
\$5,466	GREAT PLAINS DIESEL TECHNOLOGIES				400-75-42
106187	Programmable Diesel Fuel Injector Speed Demonstrator Prototype, Test of Transducer Displacement with Respect to Time and Current				
	1/11/10	to	4/30/10	RESEARCH	
	FAIDLEY, LEANN			MECHANICAL ENGINEERING-ENGR	
CO-PI	MUFF, BRIAN			INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	
\$5,291	POLK COUNTY AGRICULTURAL EXTENSION DISTRICT				400-30-66
106150	Emerging Leader's Initiative After-school Program				
	7/1/09	to	11/30/09	EXTENSION/PUBLIC	
	PETERSON, MARC			EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$5,245	EVOLSWING, LLC				400-75-39
106160	Animation of the "EvolSwing" Concept				
	1/4/10	to	3/31/10	RESEARCH	
	CALL, ANSON			ART & DESIGN-DSN	
CO-PI	KRENNRICH, JULIENNE			INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	
\$5,100	AMERICAN COLLEGE OF VETERINARY INTERNAL MEDICINE				400-23-54
90739	Real-time RT-QPCR for Detection of Equine Infectious Anemia Virus				
	1/1/08	to	8/31/09	RESEARCH	
	SPONSELLER, BRETT			VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE	

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\$5,062	LUTHERAN SERVICES IN IOWA			400-30-12
105292	Local Support for Iowa AmeriCorps State of Promise Program			
	9/19/09 to 8/31/10	EXTENSION/PUBLIC		
	BROSHAR, DON		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$5,000	OFFICE OF NAVAL RESEARCH			421-23-01
79248	Novel Therapies for Pneumonic Plague Targeting Quorum Sensing Components			
	9/26/06 to 9/30/11	RESEARCH		
	MINION, FRANK		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE	
CO-PI	WANNEMUEHLER, MICHAEL		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE	
CO-PI	PHILLIPS, GREGORY		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE	
CO-PI	NORDMAN, DANIEL		STATISTICS	
CO-PI	NARASIMHAN, BALAJI		CHEMICAL & BIOLOGICAL ENGINEERING	
CO-PI	RAJAN, KRISHNA		MATERIALS SCIENCE & ENGINEERING	
\$5,000	EMERSON ELECTRIC COMPANY			400-42-39
104432	Naturally Controlled Gelatinization of Corn Starch			
	7/1/09 to 6/30/10	RESEARCH		
	GREWELL, DAVID		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$4,250	IOWA DEPARTMENT OF PUBLIC HEALTH			478-30-65
106020	IDPH Safe Route Mapping			
	10/1/09 to 5/30/10	RESEARCH		
	SEEGER, CHRISTOPHER		LANDSCAPE ARCHITECTURE-DSN	
CO-PI	JENSEN, ALAN		EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT	
\$3,775	UNITED ACTION FOR YOUTH			400-30-12
105739	Local Support for Iowa Americorps State of Promise Program			
	9/1/09 to 8/31/10	EXTENSION/PUBLIC		
	BROSHAR, DONNIE		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

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\$3,750	IOWA DEPARTMENT OF EDUCATION	472-30-04
105936	Nutrition Calculator Project	
11/9/09	to 2/1/10	EXTENSION/PUBLIC
LITCHFIELD, RUTH		FOOD SCIENCE & HUMAN NUTRITION-EXT
\$3,375	WOODBURY COUNTY EXTENSION	400-30-12
105077	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
\$2,500	FARM SAFETY 4 JUST KIDS	410-21-07
105779	Farm Safety 4 Just Kids Chapter Building: Statistical Consultation	
12/1/09	to 9/30/10	MISCELLANEOUS
SHELLEY, MACK		STATISTICS-LAS
\$1,688	YOUTH AND SHELTER SERVICES	400-30-12
105874	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
\$453	HARTLEY PUBLIC LIBRARY	400-30-12
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