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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$1,726,347	DEPARTMENT OF ENERGY		401-25-01
93016	Operating and Management Support for the Ames Laboratory		
	11/1/08 to 9/30/09	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$774,669	DEPARTMENT OF COMMERCE		426-35-90
93717	Iowa Manufacturing Technology Center		
	2/1/09 to 6/30/09	EXTENSION/PUBLIC	
	COX, RONALD	CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT	
\$643,589	DEPARTMENT OF ENERGY		401-25-01
93016	Operating and Management Support for the Ames Laboratory		
	11/1/08 to 9/30/09	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$418,448	FEDERAL AVIATION ADMINISTRATION		437-65-64
95816	Quantifying, Optimizing and Evaluating the Detection of Flaws from Image-Based Data		
	4/1/09 to 3/31/11	RESEARCH	
	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	THOMPSON, R.	MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	MEEKER, WILLIAM	STATISTICS-LAS	
\$407,138	NATIONAL SCIENCE FOUNDATION		420-61-99
95986	When Ecphory Fails: Secondary Processes in Eyewitness Identification		
	7/1/09 to 6/30/13	RESEARCH	
	WELLS, GARY	PSYCHOLOGY-LAS	
\$325,579	NATIONAL INSTITUTES OF HEALTH		430-21-08
90055	Regulation of T Cell Signaling: Structural Studies of PLCG1		
	5/1/08 to 4/30/10	RESEARCH	
	ANDREOTTI, AMY	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$299,964 NATIONAL SCIENCE FOUNDATION

420-25-17

96095 REU Site: Summer Program for Interdisciplinary Research and Education: Emerging Interface Technologies

5/1/09 to 4/30/12 RESEARCH

CO-PI GILBERT, STEPHEN

INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

CO-PI OLIVER, JAMES

MECHANICAL ENGINEERING-ENGR

CO-PI WINER, ELIOT

MECHANICAL ENGINEERING-ENGR

\$299,200 OFFICE OF NAVAL RESEARCH

421-20-34

96168 Acquisition of Magnetron Sputtering Systems for Synthesis and Development of Novel Alloys

4/15/09 to 4/14/10 EQUIPMENT

GLEESON, BRIAN

MATERIALS SCIENCE & ENGINEERING-ENGR

\$285,208 NATIONAL INSTITUTES OF HEALTH

430-17-14

71965 Neuroprotective Strategies in Parkinson's Disease

4/1/09 to 3/31/10 RESEARCH

KANTHASAMY, ANUMANTHA

BIOMEDICAL SCIENCES

\$270,000 HAWKEYE RENEWABLES, LLC

400-17-80

98554 Clean Gasification Platform for Renewable Power, Energy and Ethanol from Biomass

11/12/08 to 2/2/11 RESEARCH

CO-PI KONG, SONG-CHARNG

MECHANICAL ENGINEERING-ENGR

CO-PI BROWN, ROBERT

MECHANICAL ENGINEERING-ENGR

CO-PI LIN, SHANG-YI

CHEMISTRY-LAS

CO-PI JONES, SAMUEL

CENTER FOR SUSTAINABLE ENVIRONMENTAL TECHNOLOGIES - IPRT-VPR/ED

\$225,000 FEDERAL AVIATION ADMINISTRATION

437-65-61

92785 Nondestructive Inspection Research of Composite Materials Used on the Commercial Fleet: Infrared Imaging for Defect Detection in Aircraft Structures Using Chaotic and Broadband Sound Excitation

3/20/10 to 9/30/10 RESEARCH

BRASCHE, LISA

AIRWORTHINESS ASSURANCE CENTER OF EXCELLENCE-IRPT-VPR/ED

\$205,652 OFFICE OF NAVAL RESEARCH

421-20-25

84347 Understanding Competitive Kinetics and Systems Thermodynamics to Guide the Development of Improved Next-Generation γ -Ni+ γ' -Ni₃Al-Based Bond Coating for Advanced Thermal Barrier Coating Systems

12/1/06 to 11/30/09 RESEARCH

GLEESON, BRIAN

MATERIALS SCIENCE & ENGINEERING

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\$205,652 OFFICE OF NAVAL RESEARCH

421-20-25

84347 Understanding Competitive Kinetics and Systems Thermodynamics to Guide the Development of Improved Next-Generation
y-Ni+y'-Ni3Al-Based Bond Coating for Advanced Thermal Barrier Coating Systems
12/1/06 to 11/30/09 RESEARCH
CO-PI SORDELET, DANIEL MATERIALS SCIENCE & ENGINEERING

\$200,000 ENVIRONMENTAL PROTECTION AGENCY

429-46-04

96270 A Market Feasibility Assessment for a Reverse Auction in the Walnut Creek Watershed
4/1/09 to 3/31/11 RESEARCH
KLING, CATHERINE ECONOMICS-CALS
CO-PI GASSMAN, PHILIP ECONOMICS-CALS
CO-PI JHA, MANOJ ECONOMICS-CALS

\$200,000 ENVIRONMENTAL PROTECTION AGENCY

429-46-06

96274 A Market Feasibility Assessment for a Reverse Auction in the Boone Watershed
4/1/09 to 3/31/11 RESEARCH
KLING, CATHERINE ECONOMICS-CALS
CO-PI GASSMAN, PHILIP ECONOMICS-CALS
CO-PI JHA, MANOJ ECONOMICS-CALS

\$200,000 ENVIRONMENTAL PROTECTION AGENCY

429-46-21

96276 A Market Feasibility Assessment for Water Quality Trading and Reverse Auctions in the Raccoon River Watershed
4/1/09 to 3/31/11 RESEARCH
KLING, CATHERINE ECONOMICS-CALS
CO-PI GASSMAN, PHILIP ECONOMICS-CALS
CO-PI JHA, MANOJ ECONOMICS-CALS

\$200,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION

405-17-01

98818 Office of Intellectual Property and Technology Transfer Support
4/10/09 to 4/9/99 RESEARCH
QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$180,000 NATIONAL SCIENCE FOUNDATION

420-25-05

91703 Assembly and Stability of Metal Nanostructures on Surfaces

7/15/08 to 6/30/10 RESEARCH

CO-PI EVANS, JAMES MATHEMATICS
THIEL, PATRICIA CHEMISTRY

\$175,000 FEDERAL AVIATION ADMINISTRATION

437-65-62

92733 Nondestructive Evaluation for Damage in Composites and Their Repair

3/9/10 to 5/31/11 RESEARCH

CO-PI BRASCHE, LISA AIRWORTHINESS ASSURANCE CENTER OF EXCELLENCE-IPRT-VPR/ED
HSU, DAVID CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI BARNARD, DAN CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

\$167,600 NATIONAL SCIENCE FOUNDATION

420-61-86

77692 Oligomeric Structure of Membrane Peptides from Solid-State NMR

3/31/09 to 4/30/10 RESEARCH

HONG, MEI CHEMISTRY

\$150,508 UNIVERSITY OF CALIFORNIA-DAVIS

404-28-68

98651 Enhancing Child Nutrition Through Animal Source Food Management Project: Nutrition Center Supplement

10/1/08 to 8/31/09 RESEARCH

MARQUIS, GRACE FOOD SCIENCE & HUMAN NUTRITION-HS

\$130,000 NORTH CENTRAL SOYBEAN RESEARCH PROGRAM

459-40-19

97379 Screening for Genetic Resistance Against Soybean Viruses

3/1/09 to 2/28/10 RESEARCH

CO-PI HILL, JOHN PLANT PATHOLOGY-CALS
WHITHAM, STEVEN PLANT PATHOLOGY-CALS

\$129,423 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

422-46-05

80310 Quantifying the Effect of Intercepted Precipitation and Dew on Terrestrial Microwave Emission at L-Band

1/1/08 to 12/31/10 RESEARCH

HORNBUCKLE, BRIAN AGRONOMY

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$129,423 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

422-46-05

80310 Quantifying the Effect of Intercepted Precipitation and Dew on Terrestrial Microwave Emission at L-Band

1/1/08 to 12/31/10 RESEARCH
CO-PI GLEASON, MARK PLANT PATHOLOGY

\$129,258 NATIONAL SCIENCE FOUNDATION

420-20-93

91708 Surface Plasmon Resonance Spectroscopy by Tunable Enhanced Light Transmission Through Nanostructured Gratings

7/1/08 to 6/30/10 RESEARCH
HILLIER, ANDREW CHEMICAL & BIOLOGICAL ENGINEERING

\$125,000 UNITED SOYBEAN BOARD

459-40-03

97819 Development of High-Throughput DNA Based Gene Silencing Technology for Soybeans

3/20/08 to 5/31/10 RESEARCH
HILL, JOHN PLANT PATHOLOGY-CALS
CO-PI WHITHAM, STEVEN PLANT PATHOLOGY-CALS
CO-PI BAUM, THOMAS PLANT PATHOLOGY-CALS
CO-PI LEANDRO, LEONOR PLANT PATHOLOGY-CALS

\$124,556 AGCO CORPORATION

400-43-87

97197 Precision Pneumatic Fertilizer Delivery

5/18/09 to 5/17/11 RESEARCH
DARR, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI HANNA, H. AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$119,960 PIONEER HI-BRED INTERNATIONAL

400-48-68

98590 Evaluating Effectiveness of Optimum™ AcreMax® Corn Rootworm Refuge Under Diverse Conditions

4/1/09 to 6/1/11 RESEARCH
GASSMANN, AARON ENTOMOLOGY-AES/CALS

\$118,550 AGCO CORPORATION

400-33-05

97025 Real-Time Active Droplet Size and Drift Control System

5/18/09 to 5/17/11 RESEARCH
HANNA, H. AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
CO-PI STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

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\$118,550	AGCO CORPORATION			400-33-05
97025	Real-Time Active Droplet Size and Drift Control System			
	5/18/09 to 5/17/11	RESEARCH		
CO-PI	DARR, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
\$115,356	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH			421-20-33
94450	A Unifying High-Order Method for the Navier-Stokes Equations on Hybrid Unstructured Meshes			
	3/1/09 to 11/30/09	RESEARCH		
	WANG, ZHI		AEROSPACE ENGINEERING-ENGR	
\$103,080	NATIONAL SCIENCE FOUNDATION			420-25-55
85686	Statistical Graphics Research in Association with GGobi			
	4/9/09 to 5/31/10	RESEARCH		
CO-PI	COOK, DIANNE		STATISTICS	
	HOFMANN, HEIKE		STATISTICS	
\$100,779	NATIONAL SCIENCE FOUNDATION			420-60-21
96053	REU Site: Biological Materials and Processes			
	5/1/09 to 4/30/10	RESEARCH		
CO-PI	NARASIMHAN, BALAJI		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
	LAMM, MONICA		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$100,000	AMERICAN CHEMICAL SOCIETY, PETROLEUM RESEARCH FUND			400-21-67
94374	Benzobisazoles as Modular Building Blocks for Novel Organic Electronic Materials			
	5/1/09 to 8/31/11	RESEARCH		
	JEFFRIES-EL, MALIKA		CHEMISTRY-LAS	
\$96,725	NATIONAL PORK BOARD			453-23-50
97167	Using Objective Mechanical and Physiologic Measurements to Build Robust Producer Tools for Detecting, Scoring and Treating Lameness in Sows			
	5/1/09 to 5/1/10	RESEARCH		
CO-PI	KARRIKER, LOCKE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	STALDER, KENNETH		ANIMAL SCIENCE-CALS	
CO-PI	BUTTERS-JOHNSON, ANNA		ANIMAL SCIENCE-CALS	

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\$94,226	INTEGRATED OCEAN DRILLING PROGRAM			404-21-77
96223	SEDIS Resource Architecture Reference Implementation			
	3/28/09 to 11/30/09	RESEARCH		
	CERVATO, CINZIA		GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
\$92,335	UNITED STATES GEOLOGICAL SURVEY			424-17-06
97633	Iowa Water Center Annual Base Program 104(b)			
	3/1/09 to 2/28/10	RESEARCH		
	CRUSE, RICHARD		AGRONOMY-CALS	
\$91,000	NATIONAL SCIENCE FOUNDATION			420-20-84
90767	REU Site: Materials Education and Research on Far-Form Equilibrium Materials, Processes, Structures, and Properties			
	4/13/09 to 3/31/10	RESEARCH		
	MARTIN, STEVE		MATERIALS SCIENCE & ENGINEERING	
\$89,398	NATIONAL SCIENCE FOUNDATION			420-21-29
91589	Galfacts Full-Stokes Studies of SNRs and HII Regions			
	7/1/08 to 6/30/10	RESEARCH		
	KERTON, CHARLES		PHYSICS & ASTRONOMY	
\$88,962	PURDUE UNIVERSITY			404-40-77
92043	SoyMapII: Leveraging Genetic Diversity in Soybean			
	3/1/09 to 2/28/10	RESEARCH		
	SHOEMAKER, RANDY		AGRONOMY	
CO-PI	LAMKEY, KENDALL		AGRONOMY	
\$88,538	CITY OF FAIRFIELD			400-33-06
98336	Sustainable Communities Program Coordinator			
	4/1/09 to 3/31/12	EXTENSION/PUBLIC		
	BORICH, TIMOTHY		COMMUNITY & REGIONAL PLANNING-EXT	
CO-PI	HUNT, LOIS		EXTENSION AREA - SOUTHEAST-EXT	

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	\$87,875	NORTH CAROLINA STATE UNIVERSITY		400-44-01
88234		Collaborative Research on Soybean Cyst Nematode Parasitism Genes Between Pioneer Hi-Bred International and the University of Georgia, Iowa State University, North Carolina State University, and University of Missouri		
		1/1/09 to 12/31/12	RESEARCH	
		BAUM, THOMAS	PLANT PATHOLOGY	
	\$87,357	UNIVERSITY OF CENTRAL FLORIDA		404-21-30
91005		Collaborative Research: A JML Community Infrastructure - Revitalizing Tools and Documentation to Aid Formal Methods Research		
		9/28/07 to 6/30/10	RESEARCH	
		BASU, SAMIK	COMPUTER SCIENCE	
		CO-PI RAJAN, HRIDESH	COMPUTER SCIENCE	
	\$77,272	DEERE AND COMPANY		400-65-20
98546		Development of the Advanced Systems Design Suite		
		7/1/09 to 12/31/09	RESEARCH	
		WINER, ELIOT	MECHANICAL ENGINEERING-ENGR	
		CO-PI OLIVER, JAMES	MECHANICAL ENGINEERING-ENGR	
	\$73,800	AGILTRON, INC		404-20-41
93487		SBIR Phase II: Preparation and Characterization of Chalcogenide Glasses for Infrared Fiber for Conversion and Routing		
		3/10/09 to 10/31/09	RESEARCH	
		MARTIN, STEVE	MATERIALS SCIENCE & ENGINEERING-ENGR	
	\$66,687	UNITED SOYBEAN BOARD		459-21-02
97320		Improvement of Soybean Protein Content via Storage in Protein Bodies		
		5/1/09 to 4/30/10	RESEARCH	
		BASSHAM, DIANE	GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
	\$65,519	DEERE AND COMPANY		400-65-17
98537		Enhancing Realism and Flexibility of VR-Based Real-Time Dynamic Simulation Framework with Operator and Hardware in-the-Loop		
		7/1/09 to 12/31/09	RESEARCH	
		KELKAR, ATUL	MECHANICAL ENGINEERING-ENGR	
		CO-PI STEWARD, BRIAN	AGRICULTURAL & BIOSYSTEMS ENGINEERING-ENGR	

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\$64,032	RATHBUN LAND AND WATER ALLIANCE			400-46-98
98801	Rathbun Lake Watershed Study 2007-2008			
	3/1/07 to 6/30/09	RESEARCH		
	DOWNING, JOHN		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS	
\$61,683	DEERE AND COMPANY			400-65-19
98544	Tool Tracking			
	7/1/09 to 12/31/09	RESEARCH		
	STOYTCHEV, ALEXANDER		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	WINER, ELIOT		MECHANICAL ENGINEERING-ENGR	
\$61,680	SANDIA NATIONAL LABORATORIES			404-21-79
98343	Estimative Language and Statistical Relational Learning			
	3/16/09 to 9/30/09	RESEARCH		
	NORDMAN, DANIEL		STATISTICS-LAS	
CO-PI	WILSON, ALYSON		STATISTICS-LAS	
\$60,920	DEERE AND COMPANY			400-65-25
98534	Developing Tools for the Design of Multiphase Flows			
	7/1/09 to 12/31/09	RESEARCH		
	BRYDEN, KENNETH		MECHANICAL ENGINEERING-ENGR	
CO-PI	MCCORKLE, DOUGLAS		VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED	
\$58,000	NATIONAL ACADEMIES			428-17-14
97314	Alternative Calibration Method FO AASHTO T153			
	4/13/09 to 12/12/09	RESEARCH		
	TAYLOR, PETER		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
\$57,629	DEERE AND COMPANY			400-65-08
98545	Virtual Training, Assembly, and Maintenance Methods			
	7/1/09 to 12/31/09	RESEARCH		
	VANCE, JUDY		MECHANICAL ENGINEERING-ENGR	

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\$57,629	DEERE AND COMPANY				400-65-08
98545	Virtual Training, Assembly, and Maintenance Methods				
	7/1/09 to 12/31/09	RESEARCH			
CO-PI	OLIVER, JAMES		MECHANICAL ENGINEERING-ENGR		
\$54,615	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP				471-30-79
98492	Iowa Learning Farms 2009 Cover Crop Working Group				
	1/1/09 to 12/31/09	EXTENSION/PUBLIC			
	DEWITT, JERALD		AGRONOMY-EXT		
CO-PI	AL-KAISI, MAHDI		AGRONOMY-EXT		
\$51,355	IOWA DEPARTMENT OF TRANSPORTATION				474-17-88
98217	Application of Visualization and Simulation Program to Improve Work Zone Safety and Mobility				
	4/1/09 to 2/28/10	RESEARCH			
	STRONG, KELLY		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
CO-PI	JASELSKIS, EDWARD		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
CO-PI	JAHREN, CHARLES		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
CO-PI	KANDIL, AMR		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
CO-PI	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		
\$51,134	NATIONAL INSTITUTES OF HEALTH, NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT				430-28-18
97498	Physical Activity Monitoring in Prepubescent Children				
	11/1/08 to 2/28/10	RESEARCH			
	LANNINGHAM-FOSTER, LORRAINE		FOOD SCIENCE & HUMAN NUTRITION-HS		
\$50,000	IOWA DEPARTMENT OF TRANSPORTATION				474-17-86
97722	Development and Field Evaluation of a Prototype Tool to Detect and Identify Left Turning Vehicles				
	3/15/09 to 9/30/10	RESEARCH			
	HAWKINS, NEAL		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		
CO-PI	SMADI, OMAR		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		

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\$50,000	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT			478-17-22
98154	IT Adventures Program			
	2/19/09 to 5/21/09	INSTRUCTION/TRAINING		
	JACOBSON, DOUG	ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$50,000	FIELDSTONE ALLIANCE, INC			400-33-07
98449	Support for a Coaching for Community Change Initiative Field Guide			
	4/1/09 to 3/31/10	EXTENSION/PUBLIC		
	EMERY, MARY	SOCIOLOGY-EXT		
\$48,615	DEERE AND COMPANY			400-65-03
98538	Development of VR Simulation for 3D Painter Training			
	7/1/09 to 12/31/09	RESEARCH		
	WINER, ELIOT	MECHANICAL ENGINEERING-ENGR		
\$44,242	SANDIA NATIONAL LABORATORIES			401-25-07
98291	Metamaterials with Gain			
	4/1/09 to 9/30/09	RESEARCH		
	SOUKOULIS, COSTAS	PHYSICS & ASTRONOMY-LAS		
\$43,257	KENT STATE UNIVERSITY			404-25-81
79256	Self-Assembled Soft Optical NIMS			
	5/1/09 to 9/30/09	RESEARCH		
	SOUKOULIS, COSTAS	PHYSICS & ASTRONOMY		
\$42,000	UNIVERSITY OF WISCONSIN, MADISON			404-40-25
87000	Great Lakes Bioenergy Research Center			
	9/30/07 to 11/30/09	RESEARCH		
	BABCOCK, BRUCE	ECONOMICS		

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\$41,000	KIRKWOOD COMMUNITY COLLEGE	404-28-72
98025	Evaluation of Community College Summit Initiative Program	
	7/1/08 to 9/30/10 RESEARCH	
	KEMIS, MARI RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
\$40,882	ENVIROTECH SYSTEMS, INC	400-65-21
98744	Use of Recycled Tire Rubber for Biofiltration Media in On-Site Wastewater Treatment Systems	
	4/1/09 to 1/31/10 RESEARCH	
	ELLIS, TIMOTHY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	MUFF, BRIAN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	
\$39,840	FEDERAL HIGHWAY ADMINISTRATION	436-77-02
97905	Technical Support for Two-Lift Paving Construction in Kansas	
	5/6/08 to 5/5/09 RESEARCH	
	CACKLER, ELLS CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
\$39,839	NATIONAL PORK BOARD	453-23-51
97190	Effect of Temperature and Relative Humidity on UV Inactivation of Airborne Viral Pathogens	
	5/2/09 to 5/1/10 RESEARCH	
	ZIMMERMAN, JEFFREY VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	HOFF, STEVEN AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
\$38,947	NATIONAL SCIENCE FOUNDATION	420-60-12
91122	Collaborative Research: Dynamic Mode High Density Probe Based Data Storage	
	4/28/09 to 5/31/10 RESEARCH	
	RAMAMOORTHY, ADITYA ELECTRICAL & COMPUTER ENGINEERING	
\$38,816	PACIFIC NORTHWEST NATIONAL LABORATORY	404-21-78
97659	A Test Bed for the Integrated Experimental Study of Retail and Wholesale Power Market Designs	
	4/10/09 to 6/30/10 RESEARCH	
	TESFATSION, LEIGH ECONOMICS-LAS	

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\$36,892	COOPER INSTITUTE			400-29-10
98319	Texas Youth FitnessGram Mapping Application			
	3/1/09 to 12/31/10	RESEARCH		
	SEEGER, CHRISTOPHER		LANDSCAPE ARCHITECTURE-DSN	
CO-PI	WELK, GREGORY		KINESIOLOGY-HS	
\$36,579	DEERE AND COMPANY			400-65-23
98532	Improved Reliability Through Linked Information Gathering			
	7/1/09 to 12/31/09	RESEARCH		
	BRYDEN, KENNETH		MECHANICAL ENGINEERING-ENGR	
CO-PI	MCCORKLE, DOUGLAS		VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED	
\$35,176	DEERE AND COMPANY			400-65-24
98533	Extensible VE Tools for Improved Product Design			
	7/1/09 to 12/31/09	RESEARCH		
	BRYDEN, KENNETH		MECHANICAL ENGINEERING-ENGR	
CO-PI	MCCORKLE, DOUGLAS		VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED	
\$33,740	DEERE AND COMPANY			400-65-18
98539	Integrated Robust Optimal Design for Quality Improvement and Cost Reduction in Product Development			
	7/1/09 to 12/31/09	RESEARCH		
	KELKAR, ATUL		MECHANICAL ENGINEERING-ENGR	
\$33,333	UNIVERSITY OF NORTHERN IOWA			475-09-01
98731	FY2009 Library Support for Implementation of Iowa Mathematics and Science Education Program Goals and Objectives			
	4/1/09 to 5/31/09	MISCELLANEOUS		
	LAWSON, KAREN		PARKS LIBRARY-PROV	
\$30,993	SCIENCE APPLICATIONS INTERNATIONAL CORPORATION			404-17-48
98606	Pavement Markings Concept			
	5/30/06 to 6/30/10	RESEARCH		
	SMADI, OMAR		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
CO-PI	HAWKINS, NEAL		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	

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\$30,993	SCIENCE APPLICATIONS INTERNATIONAL CORPORATION			404-17-48
98606	Pavement Markings Concept			
	5/30/06 to 6/30/10	RESEARCH		
CO-PI	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
\$30,533	NATIONAL PORK BOARD			453-40-13
97124	Effect of Selection for Feed Efficiency During the Growing Period on Sow Feed Efficiency and Reproductive Performance			
	5/2/09 to 5/1/10	RESEARCH		
CO-PI	DEKKERS, JACK		ANIMAL SCIENCE-CALS	
	PATIENCE, JOHN		ANIMAL SCIENCE-CALS	
\$29,600	PFIZER ANIMAL HEALTH			400-23-99
98497	Interactions of Two-Desoxparaherquamide and Unknown Compound in Nematode Parasite Preparations			
	4/1/09 to 4/1/10	RESEARCH		
CO-PI	MARTIN, RICHARD		BIOMEDICAL SCIENCES-VET	
	ROBERTSON, ALAN		BIOMEDICAL SCIENCES-VET	
\$29,042	NATIONAL PORK BOARD			453-23-52
97195	Epidemiology of Porcine Pestivirus and Torque Teno Virus in Wean-To-Finish Pigs			
	5/2/09 to 5/1/10	RESEARCH		
	ZIMMERMAN, JEFFREY		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$26,760	DEPARTMENT OF AGRICULTURE, ARS			419-23-39
99105	Research Support Agreement			
	4/15/09 to 9/30/09	RESEARCH		
	ANDREASEN, CLAIRE		VETERINARY PATHOLOGY-VET	
\$25,000	IOWA DEPARTMENT OF EDUCATION			472-28-22
95647	Evaluation of Iowa Learning Technology Commission			
	1/11/07 to 6/30/09	RESEARCH		
	PHYE, GARY		CURRICULUM & INSTRUCTION-HS	

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\$25,000	IOWA PORK PRODUCERS ASSOCIATION			452-40-10
98387	Development of Employee Management Course and Workshop for Swine Science Online Curriculum			
	1/1/09 to 12/31/09	EXTENSION/PUBLIC		
	MEISINGER, DAVID		AGRICULTURE ADMINISTRATION-AES/CALS	
\$25,000	XM COMPANIA DE EXPERTOS EN MERCADOS S.A. E.S.P.			400-60-14
98584	XM-Electrical Power Research Center			
	1/1/09 to 12/31/09	RESEARCH		
	BAIRD, TOM		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$25,000	IOWA STATE UNIVERSITY RESEARCH FOUNDATION			405-21-08
98659	Control System for Colonoscopy			
	3/1/09 to 2/28/10	RESEARCH		
	WONG, JOHNNY		COMPUTER SCIENCE-LAS	
CO-PI	TAVANAPONG, WALLAPAK		COMPUTER SCIENCE-LAS	
\$24,797	NATIONAL INSTITUTES OF HEALTH			430-21-37
80848	Histone Modifications and Higher-Order Chromatin Structure			
	2/1/09 to 1/31/10	RESEARCH		
	SHOGREN-KNAAK, MICHAEL		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
\$24,351	IOWA SOYBEAN ASSOCIATION			450-30-04
98813	Informing the Cooperative Conservation Framework for Improving Watershed Health: An Operator and Landowner Survey in Five HUC 12 Watersheds			
	5/1/09 to 9/30/09	EXTENSION/PUBLIC		
	ARBUCKLE, J.		SOCIOLOGY-EXT	
\$23,800	UNIVERSITY OF IOWA			404-17-76
98068	The Effectiveness of Smoking Cessation Guidelines in the Emergency Department			
	11/8/08 to 6/30/09	RESEARCH		
	ANDERSON, DIANNE		CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED	

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\$23,000	VETERANS ADMINISTRATION CENTER - IOWA CITY	428-23-13
84162	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury	
	4/1/09 to 9/30/09 RESEARCH	
	GROZDANIC, SINISA VETERINARY CLINICAL SCIENCES	
CO-PI	SAKAGUCHI, DONALD GENETICS, DEVELOPMENT & CELL BIOLOGY	
\$21,000	NORTHWEST AREA FOUNDATION	400-33-01
98356	Rural Family Economic Success Institute	
	3/30/09 to 3/31/10 EXTENSION/PUBLIC	
	WARNING, JEANNE EXTENSION TO FAMILIES-EXT	
CO-PI	FLETCHER, CYNTHIA HUMAN DEVELOPMENT & FAMILY STUDIES-EXT	
CO-PI	FREEMAN, RUTH EXTENSION AREA - CENTRAL-EXT	
\$20,881	UNIVERSITY OF CALIFORNIA	404-21-51
84202	Assimilation of Modis Snow Cover Products into Hydrologic Forecast Models	
	1/30/08 to 1/29/10 RESEARCH	
	FRANZ, KRISTIE GEOLOGICAL & ATMOSPHERIC SCIENCES	
\$20,000	IOWA DEPARTMENT OF HUMAN SERVICES	470-28-23
98598	Service Training Contract Amendment 3	
	7/1/08 to 6/30/09 EXTENSION/PUBLIC	
	LEMPERS, JACOBUS HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$20,000	DOW AGROSCIENCES	400-43-90
98632	Evaluation of a New Formulation of Nitrapyrin	
	4/24/09 to 4/24/11 RESEARCH	
	KILLORN, RANDY AGRONOMY-AES/CALS	
\$18,720	MINNESOTA DEPARTMENT OF TRANSPORTATION	400-17-81
97723	Minnesota Local Agency Pavement Marking Practices-Phase I	
	4/9/09 to 12/31/09 RESEARCH	
	SMADI, OMAR CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
CO-PI	HAWKINS, NEAL CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	

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\$18,720	MINNESOTA DEPARTMENT OF TRANSPORTATION			400-17-81
97723	Minnesota Local Agency Pavement Marking Practices-Phase I			
	4/9/09 to 12/31/09	RESEARCH		
CO-PI	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
\$18,000	NORTH CENTRAL SOYBEAN RESEARCH PROGRAM			459-40-31
97960	Sentinel Plots to Monitor the Spread of Soybean Rust in the United States Soybean Production Regions			
	3/1/09 to 12/1/09	RESEARCH		
	YANG, XIAO		PLANT PATHOLOGY-CALS	
\$15,000	ICF INCORPORATED, LLC			404-28-71
97681	Early Head Start Research and Evaluation Project			
	12/1/08 to 5/31/09	EXTENSION/PUBLIC		
CO-PI	PETERSON, CARLA		HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
	LUZE, GAYLE		HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$15,000	DEERE AND COMPANY			400-17-29
97726	NSF I/UCRC Center for Information Protection-Deere			
	1/1/09 to 12/31/09	RESEARCH		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$15,000	ARCHER DANIELS MIDLAND			400-65-28
98439	Development and Commercialization of Soy/Corn/Linseed Oil Bioplastics			
	10/1/08 to 9/30/09	RESEARCH		
CO-PI	LAROCK, RICHARD		CHEMISTRY-LAS	
	MUMM, LYNNE		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
\$14,960	INSTITUTE FOR TECHNOLOGY DEVELOPMENT			410-40-72
98422	Fluorescent Multi/Hyper Spectral Imaging for Aflatoxin Detection			
	3/15/09 to 6/30/09	RESEARCH		
	TANG, LIE		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	

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\$13,020	BIOTECHNOLOGY RESEARCH DEVELOPMENT CORPORATION	400-23-13
98131	Avirulent Gene-Deleted Strains of Mycoplasma Bovis for Modified Live Vaccine Use with an extension of time	
	7/1/08 to 9/30/09 RESEARCH	
	ROSEBUSCH, RICARDO VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
\$12,000	NATIONAL SCIENCE FOUNDATION	420-60-23
98824	REU Supplement for an Ongoing National Science Foundation Research Project	
	4/27/09 to 12/31/10 RESEARCH	
	SHROTRIYA, PRANAV MECHANICAL ENGINEERING-ENGR	
\$11,400	NATIONAL SCIENCE FOUNDATION	420-40-67
97924	LTREB: Long-Term Research on Environmental Gender Determination in a Model System	
	3/15/07 to 2/28/10 RESEARCH	
	JANZEN, FREDRIC ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-CALS	
\$10,700	IOWA TURKEY FEDERATION	459-40-32
93793	Economic Impact of the Iowa Turkey Federation	
	4/1/07 to 9/30/08 RESEARCH	
	LAWRENCE, JOHN ECONOMICS-CALS	
	CO-PI OTTO, DANIEL ECONOMICS-CALS	
\$10,000	COLUMBIA UNIVERSITY	404-20-65
78375	Collaborative Research: Ultrafast Laser Characterization and Nanostructuring of Microphotonic Sensors	
	1/1/05 to 9/30/09 RESEARCH	
	MOLIAN, PALANIAPPA MECHANICAL ENGINEERING	
\$10,000	IOWA TURKEY FEDERATION	459-30-02
91464	Matching Support for a CIG Grant: Development of a National Air Quality Self Assessment Tool for Livestock and Poultry Producers	
	1/1/08 to 12/31/10 EXTENSION/PUBLIC	
	HARMON, JAY AGRICULTURAL & BIOSYSTEMS ENGINEERING	
	CO-PI RIECK-HINZ, ANGELA AGRONOMY	
	CO-PI ARORA, KAPIL EXTENSION TO AGRICULTURE	
	CO-PI BRENNEMAN, LOWELL EXTENSION TO AGRICULTURE	
	CO-PI SHOUSE, SHAWN COOPERATIVE EXTENSION FIELD PROGRAM	

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\$10,000	IOWA TURKEY FEDERATION		459-30-02
91464	Matching Support for a CIG Grant: Development of a National Air Quality Self Assessment Tool for Livestock and Poultry Producers		
	1/1/08 to 12/31/10	EXTENSION/PUBLIC	
CO-PI	KOHL, KRIS	COOPERATIVE EXTENSION FIELD PROGRAM	
\$9,650	NATIONAL SCIENCE FOUNDATION		420-21-32
97931	RET: Gene Expression Response to Naturally Fluctuating Temperature in Turtles with Alternative Sex Determining Mechanisms		
	4/17/09 to 2/28/10	RESEARCH	
	VALENZUELA-CASTRO, MARIA	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$9,486	STANLEY CONSULTANTS, INC		400-29-09
98128	Northwest Area Priority Sanitary Sewer Route Study		
	2/1/09 to 8/1/09	RESEARCH	
	WAGNER, MIMI	LANDSCAPE ARCHITECTURE-DSN	
\$9,000	NATIONAL SCIENCE FOUNDATION		420-60-18
98549	CAREER: Ultrasound Histotripsy System Development to Improve Cancer Treatment		
	4/24/09 to 4/30/12	RESEARCH	
	BIGELOW, TIMOTHY	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$8,643	NATIONAL SCIENCE FOUNDATION		420-61-67
98466	Collaborative Research: Oxidative Stress, Telomere Dynamics and Aging in a Free-Living Organism		
	4/1/08 to 3/31/10	RESEARCH	
	VLECK, CAROL	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
CO-PI	VLECK, DAVID	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$7,900	AMERICAN JERSEY CATTLE ASSOCIATION		459-40-42
97270	Enhancing the Healthfulness and Marketability of Milk from Jersey Cattle		
	4/1/09 to 3/31/10	RESEARCH	
	BEITZ, DONALD	ANIMAL SCIENCE-CALS	

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\$7,500	UNIVERSITY OF IOWA			400-02-16
70862	Iowa Space Grant Consortium Match			
	4/3/09 to 12/31/09	RESEARCH		
	BYRD, WILLIAM		IOWA SPACE GRANT CONSORTIUM	
\$7,404	LEE COUNTY EXTENSION SERVICE			400-33-25
84893	Local Support for Iowa FNP			
	10/1/05 to 9/30/06	EXTENSION/PUBLIC		
	MARTIN, PEGGY		EXTENSION TO FAMILIES	
\$6,416	UNIVERSITY OF SOUTHERN CALIFORNIA			400-64-03
97995	The Use of Agents in Recruiting Chinese Undergraduates			
	4/1/09 to 1/4/10	RESEARCH		
	HAGEDORN, LINDA		RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
	CO-PI ZHANG, YI		EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS	
\$5,750	MONSANTO			400-43-88
98361	Soybean Aphid Biotype Summer Study			
	5/15/09 to 9/15/09	RESEARCH		
	ONEAL, MATTHEW		ENTOMOLOGY-AES/CALS	
\$5,614	PRECAST/PRESTRESSED CONCRETE INSTITUTE			400-20-10
97689	Extension of Codification of Minimum Spiral Reinforcement Requirements for Prestressed Concrete Piles in High Seismic Regions			
	6/16/06 to 5/1/09	RESEARCH		
	SRITHARAN, SIVALINGAM		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$5,562	IOWA DEPARTMENT OF PUBLIC HEALTH			478-30-22
98108	M C H 1-800 HealthyFamilies Teenline			
	10/1/08 to 9/30/09	EXTENSION/PUBLIC		
	GLENN, SHERRY		EXTENSION AREA - CENTRAL-EXT	
	CO-PI VANGINKEL, MARGARET		EXTENSION TO FAMILIES-EXT	

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	\$5,145	BUTLER COUNTY RURAL ENERGY COOPERATIVE		400-61-61
98287		Phase 1 Archaeological Survey for Thirteen Segments of Overhead Line		
	2/26/09	to 6/30/09	EXTENSION/PUBLIC	
	HILL, MATTHEW		ANTHROPOLOGY-LAS	
	\$5,000	PELLA CORPORATION		400-65-14
98445		World Class Logistics Assessment		
	3/23/09	to 6/30/09	RESEARCH	
	MIN, KYUNG		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR	
CO-PI	MUMM, LYNNE		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
	\$4,020	IOWA DEPARTMENT OF PUBLIC HEALTH		478-28-20
98642		Iowans Fit for Life Intervention Study		
	9/1/08	to 6/30/09	RESEARCH	
	WELK, GREGORY		KINESIOLOGY-HS	
	\$4,000	AUBURN UNIVERSITY		410-30-05
98163		Iowa Healthy Homes Project		
	7/1/08	to 6/30/10	EXTENSION/PUBLIC	
	YEARNs, MARY		HUMAN DEVELOPMENT & FAMILY STUDIES-EXT	
CO-PI	BEAVERS, EVELYN		EXTENSION TO FAMILIES-EXT	
	\$3,762	CORNELL UNIVERSITY		410-40-55
93679		Coordinated Wine Grape Variety Evaluations in the Eastern United States, Iowa		
	9/1/08	to 6/30/10	RESEARCH	
	DOMOTO, PAUL		HORTICULTURE-CALS	
	\$3,000	CORPORATION FOR ECONOMIC DEVELOPMENT		400-08-09
98794		Corporation for Economic Development		
	4/9/09	to 4/9/10	EXTENSION/PUBLIC	
	HECKMANN, JAMES		SMALL BUSINESS DEVELOPMENT CENTER-BUS	

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\$2,500	IOWA DEPARTMENT OF NATURAL RESOURCES				473-42-08
97348	Determining Postfledging Survival and Habitat Use in Grasshopper Sparrows				
	5/15/09 to 4/1/10	RESEARCH			
	MILLER, JAMES		NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS		
\$2,500	IOWA DEPARTMENT OF NATURAL RESOURCES				473-42-19
97398	Genetic Diversity and Connectivity of White-Tailed Jackrabbit Populations in Iowa with Notes on Seasonal Home Ranges				
	5/1/09 to 4/30/10	RESEARCH			
	FAIRBANKS, WENDELYN		NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS		
	CO-PI BLANCHONG, JULIE		NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS		
\$2,395	IOWA DEPARTMENT OF TRANSPORTATION				474-17-42
95990	Best Practices Safety Guide for Local Rural Agencies				
	8/18/08 to 12/31/08	RESEARCH			
	MCDONALD, THOMAS		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		
	CO-PI NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		
\$2,242	ASOYIA				400-28-95
96105	Frying Performance of Low-Linolenate and Mid-Oleate Soybean Oils				
	9/1/08 to 9/1/10	RESEARCH			
	WHITE, PAMELA		FOOD SCIENCE & HUMAN NUTRITION-HS		
\$200	OTTUMWA TEEN CENTER				400-33-64
96587	Local Support for Iowa AmeriCorps State of Promise Program				
	9/1/08 to 8/31/09	EXTENSION/PUBLIC			
	BROSHAR, DONNIE		EXTENSION 4-H YOUTH DEVELOPMENT-EXT		