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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$14,275,530	DEPARTMENT OF ENERGY		401-25-01
<b>93016</b>	Operating and Management Support for the Ames Laboratory		
	11/1/08 to 9/30/09	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$2,103,000	AIR FORCE RESEARCH LABORATORY		421-25-50
<b>99100</b>	Quantitative Inspection Techniques for Assessing Aging Military Aircraft		
	4/30/04 to 9/30/10	RESEARCH	
	THOMPSON, R.	MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
\$1,921,503	DEPARTMENT OF AGRICULTURE, CSREES		415-40-00
<b>97455</b>	FY09 Hatch Multistate Research		
	10/1/08 to 9/30/09	RESEARCH	
	WINTERSTEEN, WENDY	AGRICULTURE ADMINISTRATION-CALS	
\$1,760,000	DEPARTMENT OF ENERGY		401-25-01
<b>93016</b>	Operating and Management Support for the Ames Laboratory		
	11/1/08 to 9/30/09	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$1,458,858	IOWA DEPARTMENT OF HUMAN SERVICES		470-28-30
<b>104068</b>	Home and Community Based Services		
	6/30/09 to 6/30/12	EXTENSION/PUBLIC	
	LEMPERS, JACOBUS	HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$1,235,079	IOWA DEPARTMENT OF HUMAN SERVICES		470-28-29
<b>104172</b>	Service Training FOSU-10-001		
	7/1/09 to 6/30/10	INSTRUCTION/TRAINING	
	LEMPERS, JACOBUS	HUMAN DEVELOPMENT & FAMILY STUDIES-HS	

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$1,000,000	NATIONAL SCIENCE FOUNDATION	420-40-77
<b>97715</b>	Mechanism and Genetic Impacts of Transposon-Induced Duplications in Maize	
	9/1/09 to 8/31/12 RESEARCH	
	PETERSON, THOMAS GENETICS, DEVELOPMENT & CELL BIOLOGY-CALS	
CO-PI	ZHANG, JIANBO GENETICS, DEVELOPMENT & CELL BIOLOGY-CALS	
CO-PI	NETTLETON, DAN STATISTICS-AES	
\$1,000,000	IOWA STATE UNIVERSITY RESEARCH FOUNDATION	405-17-04
<b>104412</b>	Research Enhancement	
	6/25/09 to 12/31/99 RESEARCH	
	QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED	
\$729,711	NATIONAL INSTITUTES OF HEALTH	430-17-12
<b>91406</b>	A Measurement Error Approach to Estimating Usual Daily Physical Activity Distributions	
	6/1/09 to 5/31/10 RESEARCH	
	WELK, GREGORY KINESIOLOGY	
CO-PI	CARRIQUIRY, ALICIA STATISTICS	
CO-PI	NUSSER, SARAH STATISTICS	
\$699,557	SOUTH DAKOTA STATE UNIVERSITY	404-17-78
<b>96531</b>	Evaluation of Infield Corn Stover Densification and Interaction with Storage Quality, Logistics, and Production Cost	
	1/1/09 to 9/30/10 RESEARCH	
	DARR, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
CO-PI	BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
CO-PI	ANEX, ROBERT AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
CO-PI	BROWN, ROBERT MECHANICAL ENGINEERING-ENGR	
\$693,356	NATIONAL SCIENCE FOUNDATION	420-21-10
<b>97460</b>	Investigating Gibberellin Phytohormone Metabolism	
	8/1/09 to 7/31/13 RESEARCH	
	PETERS, REUBEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$600,000	NATIONAL SCIENCE FOUNDATION	441-21-03
<b>95767</b>	CAREER: Development of Novel Methods to Measure Cell Membrane Protein Clustering in Vivo: Unraveling the Relationship Between Clustering, Ligand Binding and Cell Signaling 8/1/09 to 7/31/14 RESEARCH SMITH, EMILY CHEMISTRY-LAS	
\$595,418	NATIONAL SCIENCE FOUNDATION	420-61-36
<b>72064</b>	IGERT: Computational Molecular Biology Training Group 7/1/09 to 6/30/10 INSTRUCTION/TRAINING DOBBS, DRENA GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS CO-PI ALURU, SRINIVAS ELECTRICAL & COMPUTER ENGINEERING-ENGR CO-PI HONAVAR, VASANT COMPUTER SCIENCE-LAS	
\$573,492	DEPARTMENT OF ENERGY	401-25-01
<b>93016</b>	Operating and Management Support for the Ames Laboratory 11/1/08 to 9/30/09 RESEARCH KING, ALEXANDER AMES LABORATORY	
\$563,501	NATIONAL INSTITUTES OF HEALTH	440-40-01
<b>96919</b>	Dissecting the Structure and Function of the PDU Microcompartment in Salmonella 7/17/09 to 6/30/10 RESEARCH BOBIK, THOMAS BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS	
\$497,784	NATIONAL SCIENCE FOUNDATION	420-17-04
<b>97431</b>	AF:Small: Parallel Methods for Large Atomic-Scale Quantitative Analysis of Materials 7/15/09 to 6/30/12 RESEARCH ALURU, SRINIVAS ELECTRICAL & COMPUTER ENGINEERING-ENGR CO-PI GANAPATHYSUBRAMANIAN, B MECHANICAL ENGINEERING-ENGR CO-PI RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR	
\$485,586	STATE LIBRARY OF IOWA	478-09-01
<b>99742</b>	State of Iowa Libraries Online Project 7/1/09 to 6/30/10 EXTENSION/PUBLIC MADISON, OLIVIA PARKS LIBRARY-PROV	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$475,000	NATIONAL SCIENCE FOUNDATION		441-20-05
<b>95662</b>	CAREER: Block Copolymer/Layered Silicate Nanocomposites--Dynamics and Thermodynamics		
	8/1/09 to 7/31/14	RESEARCH	
	COCHRAN, ERIC	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$455,862	NATIONAL SCIENCE FOUNDATION		441-21-02
<b>94523</b>	Analysis of Predictability of Convective Initiation and Morphological Evolution Using Near-Cloud Permitting Grid Spacing Models		
	7/15/09 to 6/30/12	RESEARCH	
	GALLUS, WILLIAM	GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
	CO-PI SEGAL, MORDECAY	AGRONOMY-CALS	
\$420,462	DEPARTMENT OF AGRICULTURE, CSREES		416-28-51
<b>99376</b>	Human Nutrition, IA		
	9/1/09 to 8/31/10	RESEARCH	
	BIRT, DIANE	FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
\$387,459	IOWA DEPARTMENT OF TRANSPORTATION		474-77-22
<b>99430</b>	Work Plan for the Administrative Component of the Institute for Transportation FY2010		
	7/1/09 to 6/30/10	RESEARCH	
	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI GRAHAM, JANICE	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI BRINK, MARCIA	INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$361,649	NATIONAL INSTITUTES OF HEALTH		430-21-01
<b>92538</b>	A Modular Approach for Combinatorial Biosynthesis of Functionalized Terpenoids		
	7/1/09 to 6/30/10	RESEARCH	
	PETERS, REUBEN	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	
\$349,990	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM		428-17-16
<b>97117</b>	Recommended Laboratory Test for Predicting the Initial Retroreflectivity of Pavement Markings from Glass Bead Quality		
	6/25/09 to 6/25/12	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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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$349,990	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM			428-17-16
<b>97117</b>	Recommended Laboratory Test for Predicting the Initial Retroreflectivity of Pavement Markings from Glass Bead Quality			
	6/25/09 to 6/25/12	RESEARCH		
CO-PI	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED	
\$341,000	DEPARTMENT OF EDUCATION			432-28-03
<b>79481</b>	National K-12 Foreign Language Resource Center			
	8/15/09 to 8/14/10	INSTRUCTION/TRAINING		
	ROSEBUSCH, MARCIA		CURRICULUM & INSTRUCTION	
\$340,238	DEPARTMENT OF AGRICULTURE, CSREES			416-44-10
<b>99441</b>	Food and Agricultural Policy Research Institute			
	7/15/09 to 7/14/11	RESEARCH		
CO-PI	HAYES, DERMOT		ECONOMICS-AES/CALS	
	FABIOSA, JACINTO		ECONOMICS-AES/CALS	
\$325,002	NATIONAL SCIENCE FOUNDATION			420-20-11
<b>98187</b>	Understanding the Thermal Response at Short Time Scales in Near-Apex Regions of a Nanoprobe During Ultra-Fast Laser Irradiation			
	8/15/09 to 7/31/12	RESEARCH		
CO-PI	SUNDARARAJAN, SRIRAM		MECHANICAL ENGINEERING-ENGR	
	WANG, XINWEI		MECHANICAL ENGINEERING-ENGR	
\$323,000	NATIONAL SCIENCE FOUNDATION			420-20-40
<b>85893</b>	Materials World Network: An International Collaborative Educational and Research Program in the Study of Mixed Glass Former Phenomena in Materials			
	8/15/07 to 7/31/10	RESEARCH		
	MARTIN, STEVE		MATERIALS SCIENCE & ENGINEERING	
\$321,000	DEPARTMENT OF ENERGY			401-21-05
<b>92218</b>	Intermediate/High Energy Nuclear Physics			
	6/15/09 to 6/14/10	RESEARCH		
CO-PI	VARY, JAMES		PHYSICS & ASTRONOMY-LAS	
	QIU, JIANWEI		PHYSICS & ASTRONOMY-LAS	

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	\$319,488	NATIONAL SCIENCE FOUNDATION		420-20-06
<b>98268</b>		Nanoprecipitation in Turbulent Liquid-Phase Vortex Reactors: A Fundamental Investigation of Scale Up Using Experimentally Validated CFD Models		
		8/15/09 to 7/31/12	RESEARCH	
		OLSEN, MICHAEL	MECHANICAL ENGINEERING-ENGR	
CO-PI		FOX, RODNEY	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI		HILL, JAMES	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
	\$300,000	NATIONAL SCIENCE FOUNDATION		441-20-02
<b>98165</b>		Rheology of Nanosize Powder Suspensions		
		7/1/09 to 6/30/12	RESEARCH	
		AKINC, MUFIT	MATERIALS SCIENCE & ENGINEERING-ENGR	
	\$300,000	PIONEER HI-BRED INTERNATIONAL		400-44-26
<b>99722</b>		Use of Nanotechnology to Deliver Molecules via Particle Bombardment Through Plant Cell Walls into Plant Cells		
		6/25/09 to 6/24/11	RESEARCH	
		WANG, KAN	AGRONOMY-AES/CALS	
CO-PI		LIN, SHANG-YI	CHEMISTRY-LAS	
	\$299,419	NATIONAL SCIENCE FOUNDATION		441-21-04
<b>97007</b>		Collaborative Research: Glacier Seismicity and Its Relationship to Basal Movement		
		8/1/09 to 7/31/12	RESEARCH	
		IVERSON, NEAL	GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
CO-PI		COHEN-CORTICCHIATO, DENIS	GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
	\$294,181	NATIONAL INSTITUTES OF HEALTH		430-17-15
<b>81479</b>		Mechanisms of Manganese Neurotoxicity		
		8/1/09 to 7/31/10	RESEARCH	
		KANTHASAMY, ANUMANTHA	BIOMEDICAL SCIENCES	
	\$282,252	NATIONAL INSTITUTES OF HEALTH, NATIONAL CANCER INSTITUTE		430-46-26
<b>98874</b>		Strategies of Lentivirus Persistence		
		8/1/09 to 1/31/10	RESEARCH	
		CARPENTER, SUSAN	ANIMAL SCIENCE-AES/CALS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$282,252	NATIONAL INSTITUTES OF HEALTH, NATIONAL CANCER INSTITUTE	430-46-26
<b>98874</b>	Strategies of Lentivirus Persistence	
	8/1/09 to 1/31/10 RESEARCH	
CO-PI	DORMAN, KARIN	STATISTICS-LAS
\$279,279	NATIONAL SCIENCE FOUNDATION	420-60-30
<b>97092</b>	CCF (FIF): Small: Recursive Reconstruction of Sparse Signal Sequences	
	7/1/09 to 6/30/12 RESEARCH	
	VASWANI, NAMRATA	ELECTRICAL & COMPUTER ENGINEERING-ENGR
\$279,001	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	422-21-02
<b>96186</b>	Molecular Basis for the Role of the Vacuole in Shoot Gravitropism	
	8/1/09 to 7/13/12 RESEARCH	
	BASSHAM, DIANE	GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS
\$269,903	DEPARTMENT OF AGRICULTURE, CSREES	417-30-05
<b>97491</b>	Iowa Extension Integrated Pest Management Coordination Program	
	7/1/09 to 6/30/10 EXTENSION/PUBLIC	
	BROWN, PAUL	EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT
CO-PI	MUELLER, DAREN	PLANT PATHOLOGY-EXT
CO-PI	POPE, RICHARD	ENTOMOLOGY-EXT
CO-PI	JESSE, LAURA	PLANT PATHOLOGY-EXT
\$269,500	DEPARTMENT OF AGRICULTURE, APHIS	412-05-29
<b>98851</b>	Delivery of the Emerging and Exotic Diseases of Animals Course for Initial Accreditation	
	4/1/09 to 3/31/10 INSTRUCTION/TRAINING	
	ROTH, JAMES	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
CO-PI	BROWN, GAYLE	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
CO-PI	BICKETT-WEDDLE, DANIELLE	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
CO-PI	FLAMING, KEVAN	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
CO-PI	DVORAK, GLENDA	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$266,048	NATIONAL SCIENCE FOUNDATION	441-20-04
<b>98248</b>	Thermophysical Properties of Titania Nanowires: Novel Characterization Toward High-Degree Property and Structure Manipulation in Manufacturing 9/1/09 to 8/31/12 RESEARCH WANG, XINWEI MECHANICAL ENGINEERING-ENGR	
\$250,000	DEPARTMENT OF EDUCATION	432-14-01
<b>104133</b>	Iowa State University Trio Upward Bound 9/1/09 to 8/31/10 INSTRUCTION/TRAINING AGYEMAN, JANE ENROLLMENT SERVICES-VPSA	
\$243,000	NATIONAL SCIENCE FOUNDATION	420-18-03
<b>90658</b>	Graduate Research Fellowship Program 8/15/07 to 7/31/12 RESEARCH HOLGER, DAVID GRADUATE COLLEGE	
\$227,126	NATIONAL INSTITUTES OF HEALTH	430-46-02
<b>88794</b>	Control of Cap-Independent Translation by a Viral 3' UTR 8/1/09 to 7/31/10 RESEARCH MILLER, WYATT PLANT PATHOLOGY	
\$217,190	IOWA DEPARTMENT OF NATURAL RESOURCES	473-44-11
<b>99148</b>	2009 Iowa Lakes Monitoring 5/11/09 to 2/26/10 RESEARCH DOWNING, JOHN ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS CO-PI POOLE, KELLY ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS	
\$215,000	WASHINGTON UNIVERSITY	404-21-66
<b>97675</b>	Identification and Characterization of Antiviral Compounds that Target Ebola VP35 4/9/09 to 2/28/10 RESEARCH AMARASINGHE, GAYA BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	



**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$213,685	NATIONAL INSTITUTES OF HEALTH		430-23-40
<b>93227</b>	The Role of Pathogen-Derived Capping Carbohydrates in Altering Immunity		
	7/1/09 to 6/30/10	RESEARCH	
	PETERSEN, CHRISTINE	VETERINARY PATHOLOGY-VET	
CO-PI	HOSTETTER, JESSE	VETERINARY PATHOLOGY-VET	
CO-PI	POHL, NICOLA	CHEMISTRY-LAS	
\$207,928	IOWA DEPARTMENT OF TRANSPORTATION		474-77-84
<b>99751</b>	Work Plan for the Bridge Center and Bridge Engineer Program FY2010		
	7/1/09 to 6/30/10	RESEARCH	
	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	WIPF, TERRY	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	PHARES, BRENT	INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$202,104	DEPARTMENT OF AGRICULTURE, CSREES		416-44-16
<b>99380</b>	Animal Science Food Safety Consortium		
	7/15/09 to 7/14/10	RESEARCH	
	DICKSON, JAMES	ANIMAL SCIENCE-AES/CALS	
\$200,000	NATIONAL SCIENCE FOUNDATION		420-61-72
<b>92052</b>	Structural Reorganization of Nuclear Proteins During Mitosis		
	9/15/08 to 8/31/11	RESEARCH	
	JOHANSEN, KRISTEN	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
CO-PI	JOHANSEN, JORGEN	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
CO-PI	GIRTON, JACK	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
\$200,000	IOWA DEPARTMENT OF TRANSPORTATION		474-17-94
<b>104062</b>	Technology Transfer Concrete Consortium		
	1/1/08 to 6/30/11	RESEARCH	
	CAKLER, ELLS	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**

\$198,892 DEPARTMENT OF EDUCATION

432-28-04

**82901** Collaborative Leadership Training Program: Early Childhood Special Education

1/1/10 to 12/31/10 INSTRUCTION/TRAINING

	BROTHERSON, MARY	HUMAN DEVELOPMENT & FAMILY STUDIES
CO-PI	LUZE, GAYLE	HUMAN DEVELOPMENT & FAMILY STUDIES
CO-PI	PETERSON, CARLA	HUMAN DEVELOPMENT & FAMILY STUDIES
CO-PI	SMITH, CARL	CURRICULUM & INSTRUCTION

\$186,060 IOWA DEPARTMENT OF NATURAL RESOURCES

473-30-40

**98792** Manure Applicator Certification Training

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

	MILLER, GERALD	AGRONOMY-EXT
CO-PI	RIECK-HINZ, ANGELA	AGRONOMY-EXT

\$179,806 DEPARTMENT OF AGRICULTURE, CSREES, NRI

416-40-13

**93920** Bioinformatics to Implement Genomic Selection

1/1/09 to 12/31/11 RESEARCH

	GARRICK, DORIAN	ANIMAL SCIENCE-AES
CO-PI	DEKKERS, JACK	ANIMAL SCIENCE-CALS
CO-PI	FERNANDO, ROHAN	ANIMAL SCIENCE-CALS
CO-PI	NETTLETON, DANIEL	STATISTICS-LAS

\$170,065 NATIONAL SCIENCE FOUNDATION

420-21-72

**97788** The Integration of Cellular Stress Response, Immune Function and Aging in Long- and Short-Lived Ecotypes of Garter Snake

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

BRONIKOWSKI, ANNE ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

\$169,982 NATIONAL SCIENCE FOUNDATION

441-21-01

**96899** Nonparametric Likelihood for Dependent Data

7/1/09 to 6/30/12 RESEARCH

NORDMAN, DANIEL STATISTICS-LAS

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\$162,500	IOWA SOYBEAN ASSOCIATION			450-40-01
<b>104275</b>	Entomology Extension and Research Initiative			
	5/1/09 to 4/30/10	EXTENSION/PUBLIC		
	LEWIS, LES	ENTOMOLOGY-AES/CALS		
\$160,000	IOWA DEPARTMENT OF TRANSPORTATION			474-77-81
<b>99496</b>	Administrative Component for the National Concrete Pavement Technology Center FY2010			
	7/1/09 to 6/30/10	RESEARCH		
	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	CAACKLER, ELLS	INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$160,000	IOWA DEPARTMENT OF TRANSPORTATION			474-17-11
<b>99738</b>	Student Programmers for the Iowa Department of Transportation			
	7/1/09 to 6/30/10	RESEARCH		
	HANS, ZACHARY	INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	MORRIS, TIMOTHY	INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$155,000	NORTHWEST AREA FOUNDATION			400-30-25
<b>95687</b>	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		
CO-PI	FREEMAN, RUTH	EXTENSION TO FAMILIES-EXT		
\$155,000	IOWA DEPARTMENT OF TRANSPORTATION			474-17-89
<b>99288</b>	Development of Performance Measures of Ternary Mixtures, Phase 3			
	12/1/05 to 7/31/11	RESEARCH		
	TAYLOR, PETER	INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	WANG, KEJIN	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		

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\$154,893	NATIONAL SCIENCE FOUNDATION			420-21-31
<b>99116</b>	Criterion Referencing and Electronic Delivery of ACS Exams			
	3/1/09 to 1/31/10	RESEARCH		
	HOLME, THOMAS		CHEMISTRY-LAS	
\$150,000	NATIONAL SCIENCE FOUNDATION			420-17-70
<b>94060</b>	Creating Effective Future Faculty in Engineering			
	7/1/09 to 6/30/11	RESEARCH		
	MINA, MANI		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	ROVER, DIANE		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	SHELLEY, MACK		STATISTICS-LAS	
\$150,000	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			422-25-09
<b>99525</b>	Dynamical Selection of Three-Dimensional Interface Patterns in Directional Solidification			
	6/1/07 to 5/31/12	RESEARCH		
	TRIVEDI, ROHIT		MATERIALS SCIENCE & ENGINEERING-ENGR	
\$140,000	DEPARTMENT OF AGRICULTURE, CSREES			417-30-12
<b>97337</b>	Iowa Sustainable Communities Project			
	5/15/07 to 5/14/10	EXTENSION/PUBLIC		
	WOODS, BARBARA		EXTENSION TO FAMILIES-EXT	
CO-PI	MORRIS, JOHN		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$140,000	ROCKWELL COLLINS, INC			400-25-09
<b>104101</b>	A Virtual Reality Interface for Product/Analysis Data Visualization			
	8/15/08 to 8/15/10	RESEARCH		
	OLIVER, JAMES		MECHANICAL ENGINEERING-ENGR	
\$137,458	NATIONAL SCIENCE FOUNDATION			420-40-76
<b>97571</b>	Collaborative Proposal: Biosynthesis of Alkamides-Experimental Modeling of a Modular Secondary Metabolic Pathway			
	8/1/09 to 7/31/10	RESEARCH		
	NIKOLAU, BASIL		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$132,581	UNIVERSITY OF IOWA			404-17-31
<b>94386</b>	The Science Writing Heuristic			
	6/1/09 to 5/31/13	RESEARCH		
	SHELLEY, MACK		STATISTICS-LAS	
\$131,716	NATIONAL SCIENCE FOUNDATION			420-21-24
<b>96690</b>	DynSyst Special Topics: Connections Between Tagged Particles and Hydrodynamics in Some Interacting Particle Systems			
	8/1/09 to 7/31/12	RESEARCH		
	SETHURAMAN, SUNDER		MATHEMATICS-LAS	
\$131,330	AUBURN UNIVERSITY			410-30-48
<b>104206</b>	Technology Specialist for the Army Youth Development Project			
	10/1/09 to 9/30/10	EXTENSION/PUBLIC		
	MORRIS, JOHN		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$128,658	IOWA DEPARTMENT OF NATURAL RESOURCES			473-44-13
<b>98886</b>	Economic Impact and Value of Preserving and Restoring Water Quality in Iowa's Lakes			
	7/1/09 to 12/31/10	RESEARCH		
	KLING, CATHERINE		ECONOMICS-AES/CALS	
CO-PI	HERRIGES, JOSEPH		ECONOMICS-AES/CALS	
CO-PI	OTTO, DANIEL		ECONOMICS-AES/CALS	
\$123,000	LIGHTWAVE POWER, INC			400-25-03
<b>104384</b>	Solar Cells on PEN Substrates			
	7/15/09 to 7/14/10	RESEARCH		
	DALAL, VIKRAM		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	BISWAS, RANA		MICROELECTRONICS RESEARCH CENTER - IPRT-VPR/ED	
\$122,260	NATIONAL SCIENCE FOUNDATION			420-71-04
<b>97311</b>	RI: Small: Robot Grasping of Deformable Objects			
	7/15/09 to 6/30/10	RESEARCH		
	JIA, YAN-BIN		COMPUTER SCIENCE-LAS	

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\$120,000	IOWA DEPARTMENT OF NATURAL RESOURCES				473-42-99
<b>98758</b>	Understanding the Usage Patterns and Most Desirable Characteristics of Iowa's Rivers and Streams				
	6/17/09 to 12/31/10	RESEARCH			
	KLING, CATHERINE		ECONOMICS-AES/CALS		
CO-PI	HERRIGES, JOSEPH		ECONOMICS-AES/CALS		
\$118,846	NATIONAL SCIENCE FOUNDATION				420-40-53
<b>91800</b>	Determining Soil Water Evaporation and Subsurface Evaporation Zones				
	7/13/09 to 9/30/10	RESEARCH			
	HORTON, ROBERT		AGRONOMY		
CO-PI	EWING, ROBERT		AGRONOMY		
\$116,991	KANSAS STATE UNIVERSITY				410-23-14
<b>96044</b>	Identifying Ecologic and Epidemiologic Factors in the Control of PRRS: A Field-Based Approach				
	8/1/08 to 7/31/09	RESEARCH			
	ZIMMERMAN, JEFFREY		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET		
CO-PI	OCONNOR, ANNETTE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET		
CO-PI	HOLTKAMP, DERALD		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET		
\$113,172	IOWA DEPARTMENT OF TRANSPORTATION				474-77-10
<b>99682</b>	Work Plan for the Transportation Materials Engineer FY2010				
	7/1/09 to 6/30/10	RESEARCH			
	NAMBISAN, SHASHI		CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED		
CO-PI	WILLIAMS, R		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
\$112,292	DEPARTMENT OF ENERGY				401-21-07
<b>86865</b>	Collaborative Research: Towards Advanced Understanding and Predictive Capability of Climate Change in the Arctic Using a High-Resolution Regional Climate Modeling System				
	8/15/09 to 8/14/10	RESEARCH			
	GUTOWSKI, WILLIAM		GEOLOGICAL & ATMOSPHERIC SCIENCES		
\$110,165	IOWA DEPARTMENT OF TRANSPORTATION				474-77-24
<b>99805</b>	Management of the Iowa Department of Transportation Library FY2010				
	7/1/09 to 6/30/10	EXTENSION/PUBLIC			
	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		

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\$110,165	IOWA DEPARTMENT OF TRANSPORTATION	474-77-24
<b>99805</b>	Management of the Iowa Department of Transportation Library FY2010	
	7/1/09 to 6/30/10 EXTENSION/PUBLIC	
CO-PI	ZALETEL, JOSEPH	INSTITUTE FOR TRANSPORTATION-VPR/ED
\$107,678	NATIONAL SCIENCE FOUNDATION	420-28-08
<b>83225</b>	CAREER: Constructing Coherence: Elementary Teachers' Strategies for Using Standards-Based Mathematics Curriculum Materials	
	7/2/09 to 7/31/10 RESEARCH	
	DRAKE, COREY	CURRICULUM & INSTRUCTION
\$107,582	UNIVERSITY OF NORTHERN IOWA	475-21-18
<b>104442</b>	Improving Chemistry Teaching in Iowa	
	6/1/09 to 4/30/10 INSTRUCTION/TRAINING	
CO-PI	GREENBOWE, THOMAS	CHEMISTRY-LAS
CO-PI	HOLME, THOMAS	CHEMISTRY-LAS
\$107,347	IOWA PORK PRODUCERS ASSOCIATION	452-40-21
<b>98737</b>	Impacts of Feeding DDGS to Swine: Aerial Emissions and Potential Management Strategies	
	7/1/09 to 1/1/11 RESEARCH	
CO-PI	BURNS, ROBERT	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI	XIN, HONGWEI	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
\$100,000	IOWA DEPARTMENT OF TRANSPORTATION	474-79-03
<b>99753</b>	A Feasibility Study on Embedded Micro-Electromechanical Sensors	
	7/1/09 to 6/30/11 RESEARCH	
CO-PI	CEYLAN, HALIL	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI	GOPALAKRISHNAN, KASTHURIRA	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI	SHROTRIYA, PRANAV	MECHANICAL ENGINEERING-ENGR
CO-PI	TAYLOR, PETER	INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED

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	\$99,913	NATIONAL SCIENCE FOUNDATION		441-20-03
<b>98566</b>		NEESR Payload: Characterization of Dynamic Soil-Pile Interaction by Random Vibration Methods		
	8/15/09	to 7/31/11	RESEARCH	
	ASHLOCK, JERAMY		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
	\$99,574	NATIONAL SCIENCE FOUNDATION		420-40-33
<b>97837</b>		TRMS: High Throughput Functional Analysis of Soybean Defense Pathways by Virus-Induced Gene Silencing		
	7/18/09	to 8/31/09	RESEARCH	
	WHITHAM, STEVEN		PLANT PATHOLOGY-AES	
CO-PI	BAUM, THOMAS		PLANT PATHOLOGY-AES	
	\$98,670	MICHIGAN STATE UNIVERSITY		410-40-33
<b>98890</b>		North Central Regional Aquaculture Center Administration Account		
	8/1/08	to 7/31/10	EXTENSION/PUBLIC	
	MORRIS, JOSEPH		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
	\$98,430	DEFENSE THREAT REDUCTION AGENCY		421-17-05
<b>96978</b>		Towards a Network Theory for Preserving Critical Capability Under Network Outages		
	7/13/09	to 7/12/11	RESEARCH	
	YING, LEI		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
	\$96,097	HARBOR-UNIVERSITY OF CALIFORNIA AT LOS ANGELES MEDICAL CENTER		404-40-88
<b>79141</b>		Intrathecal Enzyme Therapy for Mucopolysaccharidosis I		
	6/1/09	to 5/31/10	RESEARCH	
	ELLINWOOD, NORMAN		ANIMAL SCIENCE	
CO-PI	RIEDEL, ELIZABETH		VETERINARY CLINICAL SCIENCES-VET	
	\$88,000	IOWA DEPARTMENT OF TRANSPORTATION		474-77-73
<b>99613</b>		Intelligent Compaction and Research Implementation Workplan, Phase 1		
	5/15/09	to 12/31/09	RESEARCH	
	WHITE, DAVID		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	



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\$87,419	IOWA STATE UNIVERSITY RESEARCH FOUNDATION		405-17-01
<b>98818</b>	Office of Intellectual Property and Technology Transfer Support		
	6/10/09 to 12/31/99	RESEARCH	
	QUISENBERRY, SHARRON	VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED	
\$85,000	NATIONAL SCIENCE FOUNDATION		420-71-02
<b>95804</b>	CAREER: On Mutualism of Modularity and Concurrency Goals		
	7/1/09 to 6/30/10	RESEARCH	
	RAJAN, HRIDESH	COMPUTER SCIENCE-LAS	
\$82,301	NATIONAL SCIENCE FOUNDATION		420-61-79
<b>77803</b>	CAREER: Composition Approaches for the Analysis of Complex Systems		
	8/1/06 to 7/31/10	RESEARCH	
	MINER, ANDREW	COMPUTER SCIENCE	
\$82,000	IOWA DEPARTMENT OF PUBLIC HEALTH		478-30-11
<b>98931</b>	1-800 Bets Off Helpline		
	7/1/09 to 6/30/10	EXTENSION/PUBLIC	
	GLENN, SHERRY	EXTENSION AREA - CENTRAL-EXT	
CO-PI	VANGINKEL, MARGARET	EXTENSION TO FAMILIES-EXT	
\$74,993	GENERAL MOTORS		400-60-25
<b>99507</b>	CFD Analysis of Torque Converter Hydrodynamic and Converter Clutch Interaction at High Speed Ratio-Year 2		
	5/15/09 to 5/14/10	RESEARCH	
	SHIH, TOM	AEROSPACE ENGINEERING-ENGR	
\$62,872	TEXAS A&M UNIVERSITY		410-10-02
<b>80836</b>	The Science of Foods for Health: A Multi-Institutional, Multi-Disciplinary Effort for Undergraduate Education		
	9/1/06 to 8/31/10	INSTRUCTION/TRAINING	
	BIRT, DIANE	FOOD SCIENCE & HUMAN NUTRITION	
CO-PI	HENDRICH, SUZANNE	FOOD SCIENCE & HUMAN NUTRITION	
CO-PI	REDDY, MANJU	FOOD SCIENCE & HUMAN NUTRITION	
CO-PI	PRUSA, KENNETH	FOOD SCIENCE & HUMAN NUTRITION	

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\$62,872	TEXAS A&M UNIVERSITY			410-10-02
<b>80836</b>	The Science of Foods for Health: A Multi-Institutional, Multi-Disciplinary Effort for Undergraduate Education			
	9/1/06 to 8/31/10	INSTRUCTION/TRAINING		
CO-PI	WANG, TONG		FOOD SCIENCE & HUMAN NUTRITION	
\$62,166	POET TM RESEARCH, INC			400-44-14
<b>99741</b>	2009 Emmetsburg Soil Study: Evaluation of Corn Cob and Stover Removal Levels on Crop Production, Soil Quality and Nutrient Levels			
	7/1/09 to 6/30/10	RESEARCH		
	BIRRELL, STUART		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	ANEX, ROBERT		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$60,000	NATIONAL SCIENCE FOUNDATION			420-17-26
<b>76451</b>	Collaborative Proposal: Center for Information Protection			
	7/7/09 to 8/31/10	RESEARCH		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING	
\$60,000	NATIONAL SCIENCE FOUNDATION			420-17-64
<b>93721</b>	Collaborative Research: CSR-PSCE, TM: Effective Resource Sharing and Coordination Inside Multicore Processors for High Throughput Computing			
	9/1/08 to 8/31/10	RESEARCH		
	ZHANG, ZHAO		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$59,780	AUBURN UNIVERSITY			410-40-04
<b>93947</b>	Development of the SNP Platform and Its Application for Genetic Mapping in Catfish			
	1/1/10 to 12/31/11	RESEARCH		
	HU, ZHILIANG		ANIMAL SCIENCE-AES	
\$58,480	STATE OF COLORADO, DIVISION OF WILDLIFE			404-40-90
<b>93199</b>	Factors Influencing Rangeland Survival of Mountain Plover Chicks			
	7/7/08 to 7/7/10	RESEARCH		
	DINSMORE, STEPHEN		NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS	

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\$57,684	UNIVERSITY OF MARYLAND		404-65-01
<b>78949</b>	Iron-Based Magnetostrictive Alloys: New Structural Materials for Revolutionary Engineered Systems		
	10/1/07 to 12/31/09	RESEARCH	
	LOGRASSO, THOMAS	MATERIALS SCIENCE & ENGINEERING	
CO-PI	MCQUEENEY, ROBERT	PHYSICS & ASTRONOMY	
\$56,000	AIR FORCE RESEARCH LABORATORY		421-20-40
<b>97678</b>	Adaptive Guidance for Responsive Launch and Operations		
	6/29/09 to 2/10/11	RESEARCH	
	LU, PING	AEROSPACE ENGINEERING-ENGR	
\$56,000	PRATT AND WHITNEY		400-65-57
<b>98615</b>	Phased Array Billet Inspection		
	1/1/09 to 6/30/09	RESEARCH	
	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	GRAY, TIMOTHY	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	ROBERTS, RONALD	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
\$54,920	DEERE AND COMPANY		400-65-18
<b>98511</b>	Integrated Robust Optimal Design for Quality Improvement and Cost Reduction		
	1/1/08 to 12/31/09	RESEARCH	
	KELKAR, ATUL	MECHANICAL ENGINEERING-ENGR	
\$53,098	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN		410-17-05
<b>94079</b>	Stress, Financial Management, and Childhood Overweight		
	2/1/09 to 1/14/12	RESEARCH	
	NUSSER, SARAH	STATISTICS-LAS	
CO-PI	GARASKY, STEVEN	HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$52,951	BOEING COMPANY		400-25-17
<b>97822</b>	Virtual Reality Implementation Study		
	6/17/09 to 11/9/09	RESEARCH	
	OLIVER, JAMES	MECHANICAL ENGINEERING-ENGR	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$52,951	BOEING COMPANY			400-25-17
<b>97822</b>	Virtual Reality Implementation Study			
	6/17/09 to 11/9/09	RESEARCH		
CO-PI	WINER, ELIOT		MECHANICAL ENGINEERING-ENGR	
\$51,710	NATIONAL INSTITUTES OF HEALTH			440-21-02
<b>97286</b>	Structural and Biochemical Basis for Regulation of Ebola VP35 Function by dsRNA			
	9/1/09 to 8/31/10	FELLOWSHIP		
	AMARASINGHE, GAYA		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	
\$50,454	JACKSON COUNTY AGRICULTURAL EXTENSION DISTRICT			400-33-66
<b>104115</b>	Program Enhancement for Jackson County Extension District			
	9/1/09 to 6/30/11	EXTENSION/PUBLIC		
	WARNING, JEANNE		EXTENSION TO FAMILIES-EXT	
CO-PI	MORRIS, JOHN		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$50,000	NATIONAL SCIENCE FOUNDATION			420-20-82
<b>93304</b>	Collaborative Research: CT-M: Hardware Containers for Software Components-Detection and Recovery at the Hardware/Software Interface			
	1/1/10 to 12/31/10	RESEARCH		
	ZAMBRENO, JOSEPH		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$50,000	IOWA DEPARTMENT OF TRANSPORTATION			474-77-18
<b>99503</b>	Work Plan for the Earthworks Engineering Research Center FY2010			
	7/1/09 to 6/30/10	RESEARCH		
	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	CAACKLER, ELLS		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	WHITE, DAVID		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$50,000	NATIONAL 4-H COUNCIL			400-33-21
<b>99679</b>	Youth Voice: Youth Choice Iowa			
	6/8/09 to 3/12/10	EXTENSION/PUBLIC		
	LITCHFIELD, RUTH		FOOD SCIENCE & HUMAN NUTRITION-EXT	
CO-PI	LEVINGS, JUDITH		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

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	\$50,000	IOWA DEPARTMENT OF TRANSPORTATION		474-77-78
<b>99699</b>		Electronic Construction Collaboration System		
		7/1/09 to 6/30/10	RESEARCH	
		JAHREN, CHARLES	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
	CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	\$49,980	NATIONAL PORK BOARD		453-23-53
<b>97178</b>		Electronic Veterinary Prescription Pilot Study for a Tool Demonstrating Judicious Antibiotic Use		
		5/1/09 to 5/1/10	RESEARCH	
		HURD, HOWARD	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	BAKER, RODNEY	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	\$48,547	NATIONAL INSTITUTES OF HEALTH		430-28-10
<b>81332</b>		Exercise-Induced Immunomodulation in the Aged: Mechanisms		
		3/1/09 to 2/28/10	RESEARCH	
		KOHUT, MARIAN	KINESIOLOGY	
	CO-PI	WANNEMUEHLER, MICHAEL	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE	
	CO-PI	BUSS, JANICE	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
	CO-PI	YOON, KYOUNG-JIN	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE	
	CO-PI	CUNNICK, JOAN	ANIMAL SCIENCE	
	CO-PI	NETTLETON, DANIEL	STATISTICS	
	\$47,850	NATIONAL SCIENCE FOUNDATION		420-40-75
<b>99648</b>		Workshop Proposal: Biofuel Technologies and Their Implications for Water and Land Use		
		7/1/09 to 6/30/10	RESEARCH	
		ANEX, ROBERT	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
	\$47,764	NATIONAL SCIENCE FOUNDATION		420-40-21
<b>99063</b>		Ecohydrological Controls on Watershed Response to Land Use Change in the Montane Cloud Forest Zone in Central Veracruz, Mexico		
		7/8/09 to 3/31/11	RESEARCH	
		ASBJORNSEN, HEIDI	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	

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\$43,661	DEPARTMENT OF AGRICULTURE, CSREES			411-23-09
<b>104039</b>	Animal Health and Disease Research Program			
	10/1/08 to 9/30/09	RESEARCH		
	NOLAN, LISA		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
\$43,046	IOWA ATTORNEY GENERALS OFFICE			478-23-02
<b>97820</b>	Effect of Temperature and Humidity on Ultraviolet Inactivation of Airborne PRRS Virus			
	6/1/09 to 5/31/10	RESEARCH		
	ZIMMERMAN, JEFFREY		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	HOFF, STEVEN		AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
\$43,006	IOWA DEPARTMENT OF TRANSPORTATION			474-77-48
<b>99728</b>	Work Plan for the Traffic Safety Engineer FY2010			
	7/1/09 to 6/30/10	RESEARCH		
	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	HAWKINS, NEAL		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$41,957	DEPARTMENT OF AGRICULTURE, FS			412-40-07
<b>99764</b>	Ecological Assessments of Bioenergy Feedstocks from Plantations and Forests in the Midwest			
	7/23/09 to 12/31/12	RESEARCH		
	HALL, RICHARD		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$41,445	JET PROPULSION LABORATORY			422-21-03
<b>104226</b>	Mass Loss Classical Cepheids and Their Progenitors: Spatially Resolved Spectra of Extended Emission. PID 50346			
	6/15/09 to 6/30/10	RESEARCH		
	MARENGO, MASSIMO		PHYSICS & ASTRONOMY-LAS	
\$40,600	METROPOLITAN EDUCATIONAL COOPERATIVE SERVICE UNIT			400-64-10
<b>99697</b>	Technology Integration and Leadership Training Metro ECSU			
	7/1/09 to 6/30/10	INSTRUCTION/TRAINING		
	MCLEOD, SCOTT		EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS	

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\$40,000	IOWA DEPARTMENT OF PUBLIC HEALTH			478-40-31
<b>104121</b>	Monitoring Mosquitoes and Vectorborne Disease			
	7/15/09 to 6/30/10	RESEARCH		
	BARTHOLOMAY, LYRIC		ENTOMOLOGY-AES/CALS	
\$39,772	DEVELOPMENT ALTERNATIVES, INC			404-40-65
<b>99367</b>	APEC Workshop Series on Use and Implementation of KODEX LLP Annex 3 for Food Safety Assesment			
	6/1/09 to 9/30/09	RESEARCH		
	CORTES, JOSEPH		SEED SCIENCE CENTER-AES/CALS	
CO-PI	MISRA, MANJIT		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	HARRIES, ADELAIDA		SEED SCIENCE CENTER-AES/CALS	
\$37,837	KANSAS STATE UNIVERSITY			410-28-06
<b>98032</b>	Integrating Schools, Community, and Family to Effect Sedentary Behavior, Fruit and Vegetable Consumption and Physical Activity			
	5/1/09 to 6/30/11	RESEARCH		
	WELK, GREGORY		KINESIOLOGY-HS	
\$35,714	IOWA DEPARTMENT OF TRANSPORTATION			474-21-08
<b>98633</b>	Safety Analysis, Visualization, and Exploration Resource			
	10/1/07 to 5/31/10	RESEARCH		
	MITRA, SIMANTA		COMPUTER SCIENCE-LAS	
\$34,340	NATIONAL SCIENCE FOUNDATION			420-40-43
<b>99466</b>	Further Characterization of Maize Mutations for MaizeGDB			
	6/22/09 to 8/31/10	RESEARCH		
	LAWRENCE, CAROLYN		GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS	
CO-PI	SPALDING, MARTIN		GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
\$33,988	NATIONAL INSTITUTES OF HEALTH			430-23-38
<b>84859</b>	Summer Research Training of Veterinary Medical Students			
	6/1/09 to 5/31/10	INSTRUCTION/TRAINING		
	PHILLIPS, GREGORY		VETERINARY MEDICINE ADMINISTRATION	

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\$33,800	BROOKHAVEN NATIONAL LABORATORY			404-21-58
<b>92398</b>	Project Reporting and Project Management			
	4/28/08 to 6/17/10	RESEARCH		
	OGILVIE, CRAIG		PHYSICS & ASTRONOMY-LAS	
\$33,367	IOWA DEPARTMENT OF EDUCATION			472-30-03
<b>93641</b>	Team Nutrition Training Project 2008			
	9/30/08 to 9/30/10	EXTENSION/PUBLIC		
	STROHBEHN, CATHERINE		APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS	
CO-PI	LITCHFIELD, RUTH		FOOD SCIENCE & HUMAN NUTRITION-HS	
\$32,500	CORPORATION FOR PUBLIC BROADCASTING			400-12-01
<b>99298</b>	Rural Listener Access Incentive Fund Bonus			
	10/1/08 to 9/30/10	EXTENSION/PUBLIC		
	WIRTH, DONALD		WOI RADIO-VPBF	
\$32,407	NATIONAL SCIENCE FOUNDATION			420-60-31
<b>99302</b>	Eager Collaborative Research: Nanocomposite Copper Tooling for Faster Cycle and Improved Precision in Plastic Molding			
	7/15/09 to 6/30/10	RESEARCH		
	MOLIAN, PALANIAPPA		MECHANICAL ENGINEERING-ENGR	
\$30,000	ADVANCED TECHNOLOGY INSTITUTE			404-20-38
<b>54112</b>	Determination of Transformation Diagrams for the Superaustenitic Stainless Steel Casting Alloys			
	1/1/04 to 6/30/10	RESEARCH		
	CHUMBLEY, LEONARD		MATERIALS SCIENCE & ENGINEERING	
CO-PI	GLEESON, BRIAN		MATERIALS SCIENCE & ENGINEERING	
\$30,000	DEPARTMENT OF AGRICULTURE, FS			412-45-46
<b>84880</b>	Assessing Indicator Sensitivity for Monitoring the Effects of Fire and Species Reintroductions on Soils and Plant Communities During Intensive Restoration of Oak Savannas and Woodlands in Central Iowa			
	1/1/07 to 12/31/09	RESEARCH		
	ASBJORNSEN, HEIDI		NATURAL RESOURCE ECOLOGY & MANAGEMENT	



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\$29,663	NATIONAL INSTITUTES OF HEALTH			430-23-24
<b>69219</b>	Structure and Function of Schistosome Neuropeptide F			
	3/1/09 to 2/28/10	RESEARCH		
	DAY, TIMOTHY		BIOMEDICAL SCIENCES	
\$29,592	IOWA DEPARTMENT OF HUMAN SERVICES			470-28-21
<b>104011</b>	Targeted Case Management, BCM-008-007			
	7/1/08 to 6/30/09	EXTENSION/PUBLIC		
	LEMPERS, JACOBUS		HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$29,268	DEPARTMENT OF AGRICULTURE, ARS			419-40-12
<b>99420</b>	Developing a Regional Risk Assessment Model from Invasive Woody Plants in the North Central United States			
	8/23/07 to 7/31/10	RESEARCH		
	THOMPSON, JANETTE		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	DIXON, PHILIP		STATISTICS-LAS	
CO-PI	ILES, JEFFERY		HORTICULTURE-AES/CALS	
\$27,000	UNIVERSITY OF IOWA			475-17-06
<b>97660</b>	Sustainability of Crop Yields in Iowa under Expansion of Wind Farms			
	7/1/09 to 6/30/10	RESEARCH		
	SEGAL, MORDECAY		AGRONOMY-CALS	
CO-PI	TAKLE, GENE		AGRONOMY-CALS	
\$25,513	IOWA DEPARTMENT OF TRANSPORTATION			474-77-53
<b>99680</b>	Work Plan for the Pavement Systems Research Engineer FY2010			
	7/1/09 to 5/15/10	RESEARCH		
	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	CEYLAN, HALIL		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	CAACKLER, THOMAS		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$25,000	IOWA PORK PRODUCERS ASSOCIATION			453-23-57
<b>98551</b>	Understanding the Effect of Concurrent PCV2a or PCV2b Infection on the Evolution of the PRRSV During Serial Passage in Pigs			
	8/1/09 to 8/1/10	RESEARCH		
	OPRIESSNIG, TANJA		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	

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	\$25,000	IOWA PORK PRODUCERS ASSOCIATION		453-23-57
<b>98551</b>		Understanding the Effect of Concurrent PCV2a or PCV2b Infection on the Evolution of the PRRSV During Serial Passage in Pigs		
		8/1/09 to 8/1/10	RESEARCH	
	CO-PI	GAUGER, PHILLIP	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	\$25,000	IOWA PORK PRODUCERS ASSOCIATION		453-23-56
<b>98552</b>		Objective Assessment Tools and Pain Management for Lame Sows		
		7/1/09 to 7/1/10	RESEARCH	
		KARRIKER, LOCKE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	MILLMAN, SUZANNE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	STALDER, KENNETH	EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
	CO-PI	BUTTERS-JOHNSON, ANNA	ANIMAL SCIENCE-AES/CALS	
	\$25,000	IOWA PORK PRODUCERS ASSOCIATION		453-23-58
<b>98577</b>		Investigating the Role of PB1-F2 in the Pathogenicity of Circulating Strains of SIV		
		7/1/09 to 7/1/10	RESEARCH	
		MILLER, CATHY	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
	\$25,000	SCHOOL ADMINISTRATORS OF IOWA		400-28-02
<b>104158</b>		Technology Integration and Leadership Training SAI		
		7/15/09 to 6/30/10	INSTRUCTION/TRAINING	
		MCLEOD, SCOTT	EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS	
	\$25,000	IOWA STATE UNIVERSITY RESEARCH FOUNDATION		405-25-09
<b>104191</b>		Advanced Capability for Titanium Melting		
		7/1/09 to 5/31/10	EQUIPMENT	
		ANDERSON, IVER	MATERIALS SCIENCE & ENGINEERING-ENGR	
	\$24,300	KANSAS STATE UNIVERSITY		410-23-15
<b>97739</b>		Assessment of PRRS Biosecurity in the Field: Application of the American Association of Swine Veterinarian's PRRS Risk Assessment for the Breeding Herd		
		5/1/09 to 7/31/09	RESEARCH	
		HOLTKAMP, DERALD	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	RAMIREZ, ALEJANDRO	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	OCONNOR, ANNETTE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

	\$24,300	KANSAS STATE UNIVERSITY		410-23-15
<b>97739</b>		Assessment of PRRS Biosecurity in the Field: Application of the American Association of Swine Veterinarian's PRRS Risk Assessment for the Breeding Herd		
		5/1/09 to 7/31/09	RESEARCH	
	CO-PI	ZIMMERMAN, JEFFREY	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	\$24,000	IOWA PORK PRODUCERS ASSOCIATION		453-23-55
<b>99270</b>		Genetic Assessment of VDL SIV Isolate Pool for Evidence of the Swine Flu Strain Reported to be Infecting People and Development of a High-Throughput Differential Test for the Novel Strain		
		7/1/09 to 3/1/10	RESEARCH	
		YOON, KYOUNG-JIN	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	BAKER, RODNEY	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	JANKE, BRUCE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	HALBUR, PATRICK	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	MAIN, RODGER	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	\$23,999	KANSAS STATE UNIVERSITY		410-23-16
<b>97704</b>		PRRS CAP Graduate and Undergraduate Scholar Program Application-Iowa State University		
		8/1/08 to 7/31/09	FELLOWSHIP	
		ZIMMERMAN, JEFFREY	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	\$23,855	GREAT PLAINS MANUFACTURING, INC		400-44-25
<b>104171</b>		ISOBUS Sensing of Tracked Tractor Steering Angle		
		7/1/09 to 12/31/09	RESEARCH	
		DARR, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
	\$22,808	IOWA PORK PRODUCERS ASSOCIATION		453-30-03
<b>99049</b>		Genetic Improvement of Farrowing Rate and Non-Productive Days in Swine by Selection for Litters Per Sow Per Year		
		7/1/09 to 10/1/10	RESEARCH	
		MABRY, JOHN	ANIMAL SCIENCE-AES/CALS	
	\$22,285	DEPARTMENT OF AGRICULTURE, CSREES		416-40-19
<b>97419</b>		Swine Production Manager Certification and Associates Degree Delivered via Distance Education		
		7/1/09 to 6/30/11	EXTENSION/PUBLIC	
		MEISINGER, DAVID	U.S. PORK CENTER OF EXCELLENCE-AES	

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\$21,000	UNIVERSITY OF NEBRASKA			400-33-69
<b>104027</b>	Improving Management of Soybean Cyst Nematode Through Extension Demonstration and Outreach			
	3/1/09 to 2/28/10	RESEARCH		
	TYLKA, GREGORY		PLANT PATHOLOGY-AES/CALS	
\$20,000	VETERANS ADMINISTRATION CENTER - IOWA CITY			428-23-13
<b>84162</b>	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury			
	6/30/09 to 9/30/09	RESEARCH		
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES	
CO-PI	SAKAGUCHI, DONALD		GENETICS, DEVELOPMENT & CELL BIOLOGY	
\$20,000	DEPARTMENT OF AGRICULTURE, FS			412-30-27
<b>104064</b>	Impacts of Mixed Annual-Perennial Watershed Configurations on Water Quality in the Midwestern Corn Belt Region of Central Iowa			
	7/8/09 to 12/31/11	RESEARCH		
	HELMERS, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	ASBJORNSEN, HEIDI		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$19,998	UNIVERSITY OF CALIFORNIA-DAVIS			404-21-85
<b>98394</b>	Livelihood Resilience for Food and Income Security Among Formerly Displaced People in Lira District, Northern Uganda			
	9/28/09 to 9/27/10	FELLOWSHIP		
	MAZUR, ROBERT		SOCIOLOGY-LAS	
\$19,848	METABOLIC TECHNOLOGIES, INC			400-75-32
<b>99791</b>	Metabolic Engineering of Moritella Marinus to Produce DHA: Transcriptome Sequencing			
	6/15/09 to 5/31/10	RESEARCH		
	JARBOE, LAURA		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI	KRENNRICH, JULIENNE		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	
\$19,068	THE COMMUNITY FOUNDATION OF GREATER DUBUQUE			400-43-96
<b>99117</b>	Iowa Food and Fitness Initiative			
	3/1/09 to 10/31/09	RESEARCH		
	FLORA, CORNELIA		SOCIOLOGY-AES/CALS	

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\$16,000	NATIONAL SCIENCE FOUNDATION			420-60-28
<b>98348</b>	Collaborative Research: NEDG: Network Scheduling and Routing Under Partial Information Structure			
	6/29/09 to 8/31/10	RESEARCH		
	YING, LEI		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$16,000	NATIONAL SCIENCE FOUNDATION			420-71-03
<b>98397</b>	Request for REU Supplement for the Project CT-ISG: Specification and Verification Challenges for Security Protocols in Sensor Networks			
	6/23/09 to 8/31/10	RESEARCH		
	RAJAN, HRIDESH		COMPUTER SCIENCE-LAS	
\$16,000	NATIONAL SCIENCE FOUNDATION			420-17-61
<b>99136</b>	REU Supplement: Collaborative Research: Learning Classifiers from Autonomous, Semantically Heterogeneous, Distributed Data			
	7/2/09 to 7/31/10	RESEARCH		
	HONAVAR, VASANT		COMPUTER SCIENCE-LAS	
\$16,000	NATIONAL SCIENCE FOUNDATION			420-21-06
<b>104108</b>	REU Supplement for the Project CAREER: On Mutualism of Modularity and Concurrency Goals			
	7/22/09 to 6/30/10	RESEARCH		
	RAJAN, HRIDESH		COMPUTER SCIENCE-LAS	
\$15,000	NATIONAL SCIENCE FOUNDATION			420-40-03
<b>98755</b>	Xanthomonas Genomics Conference 2009			
	7/15/09 to 6/30/10	MISCELLANEOUS		
	BOGDANOVE, ADAM		PLANT PATHOLOGY-AES/CALS	
\$15,000	HUMANITIES IOWA			404-21-83
<b>99251</b>	Eco-Voices: A Reading Series on the Environmental Imagination			
	8/1/09 to 8/31/10	INSTRUCTION/TRAINING		
	MARQUART, DEBRA		ENGLISH-LAS	

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	\$15,000	MID-IOWA HEALTH FOUNDATION		400-64-11
<b>99737</b>		Polk County Healthy Schools Centers of Excellence		
		6/1/09 to 6/1/10	RESEARCH	
		WELK, GREGORY	KINESIOLOGY-HS	
	CO-PI	IHMELS, MICHELLE	KINESIOLOGY-HS	
	\$14,579	IOWA DEPARTMENT OF NATURAL RESOURCES		473-30-01
<b>99344</b>		Increasing Awareness of Integrated Pest Management Among Conservation Specialists and Educators		
		6/29/09 to 9/30/10	EXTENSION/PUBLIC	
		MUELLER, DAREN	PLANT PATHOLOGY-EXT	
	CO-PI	ARBUCKLE, J.	SOCIOLOGY-AES/CALS	
	CO-PI	POPE, RICHARD	PLANT PATHOLOGY-EXT	
	\$14,000	IOWA DEPARTMENT OF HUMAN SERVICES		478-30-51
<b>99689</b>		After Hours Phone Services for Department of Human Services Targeted Case		
		7/1/09 to 6/30/10	EXTENSION/PUBLIC	
		GLENN, SHERRY	EXTENSION TO FAMILIES-EXT	
	CO-PI	VANGINKEL, MARGARET	EXTENSION TO FAMILIES-EXT	
	\$13,701	IOWA DEPARTMENT OF NATURAL RESOURCES		473-42-16
<b>99190</b>		Benchmarks of Biological Integrity for Lake Restoration Success: Fish, Invertebrate, and Plankton Communities in Iowa Lakes		
		6/25/09 to 12/31/12	RESEARCH	
		QUIST, MICHAEL	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
	CO-PI	FISCHER, JESSE	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
	\$12,400	DOW AGROSCIENCES		400-48-66
<b>98810</b>		Corn Pests Research Project		
		6/19/09 to 6/18/10	RESEARCH	
		GASSMANN, AARON	ENTOMOLOGY-AES/CALS	
	CO-PI	WEBER, PATRICK	ENTOMOLOGY-AES/CALS	

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	\$12,239	IOWA PORK PRODUCERS ASSOCIATION		453-40-18
<b>98641</b>		The Influence of Small Versus Large Pens on the Welfare of the Grow-Finisher Pig		
		7/1/09 to 7/1/10	RESEARCH	
		BUTTERS-JOHNSON, ANNA	ANIMAL SCIENCE-AES/CALS	
		CO-PI STALDER, KENNETH	ANIMAL SCIENCE-AES/CALS	
	\$12,090	STATE LIBRARY OF IOWA		478-09-20
<b>99704</b>		Interlibrary Loan Reimbursement		
		7/1/09 to 6/30/10	EXTENSION/PUBLIC	
		MADISON, OLIVIA	PARKS LIBRARY-PROV	
	\$12,000	NATIONAL SCIENCE FOUNDATION		420-60-29
<b>98620</b>		Change Detection in Nonlinear Systems and Applications in Shape Analysis		
		6/25/09 to 7/31/10	RESEARCH	
		VASWANI, NAMRATA	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
	\$12,000	NATIONAL SCIENCE FOUNDATION		420-20-15
<b>98823</b>		Microscale Reactor CFD Model Validation Using Direct Numerical Simulations, High-Speed MicroPIV, and Reactive Laser-Induced Fluorescence		
		7/29/09 to 8/31/10	INSTRUCTION/TRAINING	
		FOX, RODNEY	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
		CO-PI OLSEN, MICHAEL	MECHANICAL ENGINEERING-ENGR	
	\$12,000	NATIONAL SCIENCE FOUNDATION		420-20-89
<b>99043</b>		NETS-NBD: Survivable Multipoint Traffic Grooming in Optical Networks		
		7/9/09 to 7/31/10	RESEARCH	
		KAMAL, AHMED	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
		CO-PI SOMANI, ARUN	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
	\$12,000	NATIONAL SCIENCE FOUNDATION		420-20-88
<b>99044</b>		NETS-NBD: Network Coding-Based Protection		
		7/14/09 to 7/31/10	RESEARCH	
		KAMAL, AHMED	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
		CO-PI RAMAMOORTHY, ADITYA	ELECTRICAL & COMPUTER ENGINEERING-ENGR	

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\$12,000	NATIONAL SCIENCE FOUNDATION				420-17-71
<b>99094</b>	NETS-NOSS: Secure and Resilient Network Coding and Cooperative Relaying Schemes for Wireless Sensor Networks				
	7/9/09 to 8/31/10	RESEARCH			
	GUAN, YONG		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$12,000	NATIONAL SCIENCE FOUNDATION				420-17-73
<b>99115</b>	Collaborative Research: CSR-PSCE, SM: Memory Thermal Management for Multi-Core Systems				
	7/17/09 to 8/31/11	RESEARCH			
	ZHANG, ZHAO		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$12,000	NATIONAL SCIENCE FOUNDATION				420-17-72
<b>99126</b>	Collaborative Research: CSR-PSCE, TM: Effective Resource Sharing and Coordination Inside Multicore Processors for High Throughput Computing				
	7/17/09 to 8/31/09	RESEARCH			
	ZHANG, ZHAO		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$12,000	NATIONAL SCIENCE FOUNDATION				420-25-50
<b>99295</b>	Collaborative Research: Constraint-Based Compliant Mechanism Design Using Virtual Reality as a Design Interface				
	6/26/09 to 7/31/10	RESEARCH			
	VANCE, JUDY		MECHANICAL ENGINEERING-ENGR		
CO-PI	OLIVER, JAMES		MECHANICAL ENGINEERING-ENGR		
\$11,491	NATIONAL SCIENCE FOUNDATION				420-20-13
<b>98374</b>	Collaborative Research: Potential Recruits in Engineering: A Longitudinal Study of Diverse Academically-Able Young Women's Views of Engineering as a Career				
	7/25/09 to 7/31/10	RESEARCH			
	BRUNING, MONICA		ENGINEERING ACADEMIC & STUDENT AFFAIRS-ENGR		
\$11,000	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION				422-20-06
<b>97397</b>	National Aeronautics and Space Administration Exploration Systems Mission Directorate 2009 Higher Education Project Proposal				
	4/1/05 to 3/31/10	MISCELLANEOUS			
	BYRD, WILLIAM		AEROSPACE ENGINEERING-ENGR		



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\$10,500	ANKENY COMMUNITY SCHOOL DISTRICT	400-28-05
<b>99691</b>	Technology Integration and Leadership Training Ankeny Parkview Middle School	
	7/1/09 to 6/30/10 INSTRUCTION/TRAINING	
	MCLEOD, SCOTT EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS	
\$10,342	NATIONAL SCIENCE FOUNDATION	420-21-20
<b>98454</b>	Symposium on Metabolism, Life History and Aging to be Held at the SICB 2010 Conference January 3-10, Seattle, WA	
	9/1/09 to 8/31/10 MISCELLANEOUS	
	BRONIKOWSKI, ANNE ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$10,080	PHD TECHNOLOGIES, LLC	400-75-08
<b>104265</b>	Use of Novel Ingredients for Improved Functional and Quality Characteristics of Processed Meat Products	
	7/6/09 to 7/31/10 RESEARCH	
	SEBRANEK, JOSEPH ANIMAL SCIENCE-AES/CALS	
	CO-PI MUMM, LYNNE INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	
\$10,000	ADVANCED TECHNOLOGY INSTITUTE	404-20-63
<b>54211</b>	Instrumentation and Control for Energy Efficiency and Productivity	
	3/21/05 to 6/30/10 RESEARCH	
	PETERS, FRANK INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING	
	CO-PI FRANK, MATTHEW INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING	
\$10,000	SPECTRAL SCIENCES, INC	404-21-86
<b>96414</b>	Predicting Kinetic Rate Constants for Condensed Phases	
	7/1/09 to 4/15/10 RESEARCH	
	WINDUS, THERESA CHEMISTRY-LAS	
\$10,000	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP	471-30-19
<b>99723</b>	Enology and Viticulture Program Amendment #4	
	7/1/08 to 12/31/09 EXTENSION/PUBLIC	
	MILLER, GERALD EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
	CO-PI DHARMADHIKARI, MURLIDHAR FOOD SCIENCE & HUMAN NUTRITION-EXT	

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	\$9,900	DEPARTMENT OF AGRICULTURE, APHIS VS EMERGENCY PROGRAMS		412-05-28
<b>98963</b>		Organization of a Meeting to Introduce the New Initial Accreditation Program for Veterinary Students and Veterinarians Who Have Never Been Accredited		
		4/1/09 to 3/31/10	EXTENSION/PUBLIC	
		ROTH, JAMES	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
	\$9,611	UNIVERSITY OF ILLINOIS		410-30-94
<b>99520</b>		Development of a North Central Integrated Pest Management Pest Information Platform for Extension and Education Web Site		
		7/1/09 to 3/14/10	EXTENSION/PUBLIC	
		MUELLER, DAREN	PLANT PATHOLOGY-AES/CALS	
	\$7,500	SOUTH DAKOTA STATE UNIVERSITY		404-25-23
<b>87931</b>		Sustainable Cropping Systems for Harvesting Corn Stover for Biomass		
		1/1/07 to 6/30/12	RESEARCH	
		MOORE, KENNETH	AGRONOMY	
		CO-PI LAMKEY, KENDALL	AGRONOMY	
	\$7,500	DOW AGROSCIENCES		400-44-18
<b>98950</b>		2009 Soybean Aphid Management Study		
		4/1/09 to 4/1/10	RESEARCH	
		ONEAL, MATTHEW	ENTOMOLOGY-AES/CALS	
	\$6,997	DSM NUTRITIONAL PRODUCTS, INC		400-44-17
<b>99142</b>		Evaluation of a Swine Feed Additive on Manure via Biochemical Methane Potentials		
		6/15/09 to 9/15/09	RESEARCH	
		BURNS, ROBERT	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
		CO-PI MOODY, LARA	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
	\$6,500	MONSANTO		400-44-23
<b>104012</b>		Dicamba Volatilization Studies		
		5/1/09 to 10/30/09	RESEARCH	
		HARTZLER, ROBERT	AGRONOMY-AES/CALS	

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	\$5,000	IOWA ACADEMY OF SCIENCE		475-21-17
<b>97923</b>		The Evolution of Gene Regulation Involved in Metabolic Stress and Aging		
		7/1/09 to 6/30/10	RESEARCH	
		BRONIKOWSKI, ANNE	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
	CO-PI	SCHWARTZ, TONIA	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
	\$5,000	IOWA ACADEMY OF SCIENCE		475-40-43
<b>97944</b>		Enhancing the Healthfulness of Milk from Jersey Cattle		
		7/1/09 to 6/30/10	RESEARCH	
		BEITZ, DONALD	ANIMAL SCIENCE-CALS	
	\$5,000	IOWA ACADEMY OF SCIENCE		475-40-42
<b>97948</b>		Genetic Diversity and Connectivity of White-Tailed Jackrabbit Populations in Iowa, with Notes on Seasonal Home Ranges		
		7/1/09 to 6/30/10	RESEARCH	
		FAIRBANKS, WENDELYN	NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS	
	CO-PI	BLANCHONG, JULIE	NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS	
	\$5,000	UNIVERSITY OF MINNESOTA		400-64-12
<b>99480</b>		Non-Thermal Processing of Milk Products		
		5/15/09 to 8/15/09	RESEARCH	
		BOYLSTON, TERRI	FOOD SCIENCE & HUMAN NUTRITION-HS	
	\$5,000	MINNESOTA DEPARTMENT OF TRANSPORTATION		400-17-85
<b>99593</b>		Preliminary Assessment of Horizontal Curve Identification		
		6/10/09 to 7/31/09	RESEARCH	
		HANS, ZACHARY	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	\$5,000	INTEGRATED PEST MANAGEMENT INSTITUTE OF NORTH AMERICA, INC		404-30-06
<b>99832</b>		Integrated Pest Management in All United States Schools by 2015: South Dakota School Integrated Pest Management Demonstration		
		3/1/09 to 9/30/10	EXTENSION/PUBLIC	
		SHOUR, MARK	ENTOMOLOGY-EXT	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$4,950	IOWA ACADEMY OF SCIENCE				475-21-02
<b>97901</b>	Dating the Carlisle Clovis Cache				
	7/1/09 to 6/30/10	RESEARCH			
	HILL, MATTHEW		ANTHROPOLOGY-LAS		
\$4,688	UNITED ACTION FOR YOUTH				400-33-64
<b>96597</b>	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		
\$4,600	MONSANTO COMPANY				400-33-67
<b>99647</b>	Evaluation of Herbicides in Soybean				
	4/1/09 to 11/30/09	EXTENSION/PUBLIC			
	OWEN, MICHEAL		AGRONOMY-AES/CALS		
\$4,580	SOUTH DAKOTA STATE UNIVERSITY				410-30-95
<b>99515</b>	Strengthening Families Training				
	5/26/09 to 5/29/09	EXTENSION/PUBLIC			
	WARNING, JEANNE		EXTENSION TO FAMILIES-EXT		
\$4,250	INTEGRATED PEST MANAGEMENT, INSTITUTE OF NORTH AMERICA, INC				410-30-54
<b>99823</b>	North Central Region Integrated Pest Management Working Group				
	3/1/08 to 2/28/10	EXTENSION/PUBLIC			
	SHOUR, MARK		ENTOMOLOGY-EXT		
\$4,000	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP				471-40-04
<b>98220</b>	Practices to Extend the Availability of Fresh Iowa-Grown Raspberries and Blackberries				
	5/31/09 to 5/31/10	RESEARCH			
	HONEYMAN, MARK		ISU RESEARCH AND DEMONSTRATION FARMS-AES/CALS		
CO-PI	PORTZ, DENNIS		ISU RESEARCH AND DEMONSTRATION FARMS-AES/CALS		

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

	\$3,936	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT		478-25-07
<b>98753</b>		IPRT Industry After-Hours		
		4/10/09 to 6/7/09	EXTENSION/PUBLIC	
		KRAUS, GEORGE	CHEMISTRY-LAS	
	CO-PI	JOINER, STACY	INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
	\$3,900	IOWA ACADEMY OF SCIENCE		475-40-44
<b>97910</b>		Can Maternal Nest-Site Choice Compensate for the Effects of Global Climate Change on Reptiles with Temperature-Dependent Sex Determination? A Common Garden Experiment Using a Model Species		
		7/1/09 to 6/30/10	RESEARCH	
		JANZEN, FREDRIC	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-CALS	
	\$3,750	UNIVERSITY OF NORTHERN IOWA		400-02-16
<b>67079</b>		Iowa Space Grant Consortium Match		
		6/30/09 to 12/31/99	RESEARCH	
		BYRD, WILLIAM	AEROSPACE ENGINEERING	
	\$3,750	UNIVERSITY OF IOWA		400-02-16
<b>70862</b>		Iowa Space Grant Consortium Match		
		6/23/09 to 12/31/99	RESEARCH	
		BYRD, WILLIAM	IOWA SPACE GRANT CONSORTIUM	
	\$3,170	ADAIR COUNTY EXTENSION		400-33-64
<b>96596</b>		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	
	\$3,133	SYNGENTA LAWN AND GOLF		400-43-99
<b>99349</b>		Turfgrass Field Trials		
		4/30/09 to 12/31/09	RESEARCH	
		CHRISTIANS, NICK	HORTICULTURE-AES/CALS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$3,125	LUTHERAN SERVICES IN IOWA	400-33-64
<b>97662</b>	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	
\$3,000	DOW AGROSCIENCES	400-44-21
<b>104214</b>	2009 Soybean Aphid Insecticide Trial	
	4/30/09 to 4/30/10 RESEARCH	
	ONEAL, MATTHEW ENTOMOLOGY-AES/CALS	
\$2,620	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP	471-30-83
<b>98279</b>	Outreach and On-Farm Training for Post-Harvest Handling	
	5/31/09 to 5/31/10 EXTENSION/PUBLIC	
	HANSEN, RAYMOND VALUE ADDED AGRICULTURE-EXT	
CO-PI	SMITH, MARGARET VALUE ADDED AGRICULTURE-EXT	
CO-PI	ROBERTSON, MALCOLM LEOPOLD CENTER-AES/CALS	
\$2,500	HUMANITIES IOWA	404-09-01
<b>99171</b>	From Slide Rules to Computing in Iowa: Cultural and Community Impact of Information Computing, Past, Present, and Future	
	7/14/09 to 11/30/10 EXTENSION/PUBLIC	
	PASSONNEAU, SARAH PARKS LIBRARY-PROV	
CO-PI	BIX, AMY HISTORY-LAS	
\$2,500	IOWA DEPARTMENT OF PUBLIC HEALTH	478-30-64
<b>104366</b>	Community Coaching for Iowa Department of Public Health	
	4/1/09 to 6/30/09 EXTENSION/PUBLIC	
	EMERY, MARY SOCIOLOGY-EXT	
\$2,357	IOWA COMMUNITY EDUCATION ASSOCIATION	400-33-68
<b>104020</b>	Support for the Iowa Community Education Association	
	7/1/09 to 12/31/09 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$2,350	NORTH CAROLINA STATE UNIVERSITY	410-30-91
<b>93280</b>	Iowa State University Component IPM Pipe 2008	
	1/1/08 to 10/31/09 RESEARCH	
	YANG, XIAO PLANT PATHOLOGY-CALS	
\$1,700	IOWA DEPARTMENT OF PUBLIC HEALTH	478-30-05
<b>99829</b>	I-Smile Website Maintenance	
	7/1/09 to 6/30/10 EXTENSION/PUBLIC	
	GLENN, SHERRY EXTENSION TO FAMILIES-EXT	
	CO-PI VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT	
\$1,563	COMMUNITY CORRECTIONS IMPROVEMENT ASSOCIATION	400-33-64
<b>96586</b>	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	
\$1,563	MAHASKA COMMUNITY RESEARCH FOUNDATION	400-33-64
<b>96590</b>	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	
\$1,563	WAYNE COMMUNITY SCHOOL DISTRICT	400-33-64
<b>97052</b>	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	
\$1,562	YOUTH AND SHELTER SERVICES	400-33-64
<b>96745</b>	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	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$1,504	IOWA DEPARTMENT OF NATURAL RESOURCES			473-21-10
<b>98674</b>	Phase 1 Archaeological Survey			
	5/1/09 to 7/1/10	EXTENSION/PUBLIC		
	HILL, MATTHEW	ANTHROPOLOGY-LAS		
\$1,500	DEPARTMENT OF TRANSPORTATION, FHWA			436-17-18
<b>98997</b>	Dwight David Eisenhower Transportation Fellowship Program			
	9/1/09 to 9/1/10	FELLOWSHIP		
	GKRITZA, KONSTANTINA	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$1,500	DOW AGROSCIENCES			400-48-66
<b>99119</b>	Corn Pests Research Project			
	5/1/09 to 5/1/11	RESEARCH		
	GASSMANN, AARON	ENTOMOLOGY-AES/CALS		
CO-PI	WEBER, PATRICK	ENTOMOLOGY-AES/CALS		
\$1,500	IOWA COMMISSION ON VOLUNTEER SERVICE			478-30-09
<b>104396</b>	Iowa AmeriCorps State of Promise Inclusion Projects			
	4/1/09 to 8/31/09	EXTENSION/PUBLIC		
	BROSHAR, DONNIE	EXTENSION 4-H YOUTH DEVELOPMENT-EXT		
CO-PI	MCCARTHY, JUDY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT		
\$1,459	DEPARTMENT OF AGRICULTURE, FSA			412-21-11
<b>99556</b>	Phase 1 Archaeological Survey for a Hog Confinement in Jackson County			
	5/26/09 to 6/30/09	RESEARCH		
	HILL, MATTHEW	ANTHROPOLOGY-LAS		
\$1,200	OTTUMWA TEEN CENTER			400-33-64
<b>96587</b>	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		



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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$1,000	IOWA DEPARTMENT OF PUBLIC HEALTH	478-40-26
<b>92798</b>	Epidemiology and Laboratory Capacity for Infectious Diseases/West Nile Surveillance	
	1/1/08 to 12/31/08 RESEARCH	
	BARTHOLOMAY, LYRIC ENTOMOLOGY-CALS	
\$781	MONROE COUNTY AGRICULTURAL EXTENSION	400-33-64
<b>96585</b>	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	
\$781	WAPELLO COUNTY AGRICULTURAL EXTENSION	400-33-64
<b>97734</b>	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	
\$750	ROCKFORD AFTERSCHOOL PROGRAM	400-33-64
<b>96584</b>	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	
\$285	HARTLEY PUBLIC LIBRARY	400-33-64
<b>96594</b>	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	