

**University of Arkansas Fayetteville**  
**FY08 January Award Report**

PI Dept	PI	Investigators – ALL	Sponsor	Project Title	Award Amount	InfoEd#
AEED	Donald M Johnson	Johnson, Donald M~	Arkansas Department of Higher Education (ADHE)	Effects of E-10 and E-85 Ethanol Fuels on the Performance, Efficiency, and Emissions of a 3.6 kW Spark-Ignition Engine	\$2,025.00	PT07-000839
ANSC	Rick W Rorie	Rorie, Rick W~	Arkansas Department of Higher Education (ADHE)	Evaluation of a Polymorphism in the Prolactin Gene as a Potential Genetic Marker for Mastitis Susceptibility	\$2,650.00	PT07-000758
ANSC	Charles Rosenkrans	Rosenkrans, Charles~	Arkansas Department of Higher Education (ADHE)	Identification of Polymorphisms in the Regulatory Region of the Bovine Cytochrome P450 (CYP3A28) Gene	\$2,025.00	PT07-000803
BAEG	Sreekala G. Bajwa	Bajwa, Sreekala G.~	Arkansas Department of Higher Education (ADHE)	Development of a Distributed Artificial Neural Network Model for Hydrologic Modeling	\$2,650.00	PT07-000786
CSES	Kristofor Brye	Brye, Kristofor~	Arkansas Department of Higher Education (ADHE)	Investigation of AMC Effects on Storm Water Runoff Using a Combined GIS and Curve Number Approach	\$2,650.00	PT07-000778
FDSC	Andrew Proctor	Proctor, Andrew~	Arkansas Department of Higher Education (ADHE)	A comparative study of the use of high-linoleic acid vegetable oils in producing conjugated linoleic acid (CLA).	\$2,025.00	PT07-000720
HES	Jean Turner	Turner, Jean~	Arkansas Department of Higher Education (ADHE)	The Role of Caregiving in the Physical and Mental Well-being of Older Adults: A Cross-cultural Perspective	\$2,650.00	PT07-000821
ANTH	Steve Striffler	Striffler, Steve~	Arkansas Department of Higher Education (ADHE)	Why Pentecostal? A Look at the Phenomenon of Rapid Pentecostal Growth in Latin America	\$2,025.00	PT07-000776
BISC	Steven J Beaupre	Beaupre, Steven J~	National Science Foundation (NSF)	CRB: Physiological and Thermoregulatory Responses of a Top Predator to Large-Scale Habitat Manipulations	\$80,489.00	PT06-000394

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BISC	Jeannine M Durdik	Durdik, Jeannine M~	Arkansas Department of Higher Education (ADHE)	Creating Tools to Study Immunity to C. Albicans	\$2,025.00	PT07-000744
BISC	David Kremenz	Kremenz, David~	U.S. Geological Survey/Department of the Interior	Evaluation of an Expert-Based Landscape Suitability Model for King Rails in the Upper Mississippi River and Great Lakes Joint Venture Region	\$51,083.00	PT07-000626
BISC	David Kremenz	Kremenz, David~	U.S. Geological Survey/Department of the Interior	Evaluation of an Expert-Based Landscape Suitability Model for King Rails in the Upper Mississippi River and Great Lakes Joint Venture Region	\$50,139.00	PT07-000626
BISC	Michael Lehmann	Lehmann, Michael~	National Institutes of Health/DHHS (NIH)	The Control of Growth and Metabolism by Effectors of the TOR Signaling Pathway	\$204,330.00	PT07-000392
BISC	David S McNabb	McNabb, David S~	American Heart Association (Heartland Affiliate)	The Role of Hap31p and Hap32p in the Opportunistic Human Pathogen Candida albicans	\$44,000.00	PT06-000398
BISC	Ines Pinto	Pinto, Ines~	Arkansas Department of Higher Education (ADHE)	Genetic screen for identifying bir1 suppressor genes in Saccharomyces cerevisiae	\$2,025.00	PT07-000721
BISC	Douglas D Rhoads	Rhoads, Douglas D~	Arkansas Department of Higher Education (ADHE)	Genetic Determinants of Pulmonary Hypertension Syndrome in the Chicken Model	\$2,455.00	PT07-000808
BISC	Cynthia L Sagers	Sagers, Cynthia L~	Arkansas Department of Higher Education (ADHE)	Environmental Impact on Transgene Flow as Shown in Canola (Brassica napus) and Weedy Brassica rapa	\$2,650.00	PT07-000857
CAST	W Fred Limp	Limp, W Fred~Harris, Robert W~Davis, Ralph K~	Arkansas Natural Resources Commission	Arkansas Automated Reporting and Mapping System II (AARMS II)	\$131,817.00	PT07-000883
CAST	W Fred Limp	Limp, W Fred~Harris, Robert W~Davis, Ralph K~	Arkansas Natural Resources Commission	Arkansas Automated Reporting and Mapping System II (AARMS II)	\$88,182.00	PT07-000883

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CAST	W Fred Limp	Johnston, William~Cothren, Jackson D.~Limp, W Fred~	U.S. Army Corps of Engineers	Streamlining Archaeo-Geophysical Data Processing and Integration for DoD Field Use	\$63,481.00	PT05-08-007054
CHBC	Neil T Allison	Allison, Neil T~	Arkansas Department of Higher Education (ADHE)	A Study of the Synthesis and Chemistry of Metallaanthracenes	\$2,025.00	PT07-000822
CHBC	Denise Greathouse	Greathouse, Denise~	Arkansas Department of Higher Education (ADHE)	Assessment of Antimicrobial and Anti-Angiogenic Activity and Membrane Interactions of Lactoferricin Peptides	\$2,025.00	PT07-000789
CHBC	Roger E Koeppe II	Koeppe II, Roger E~	Arkansas Department of Higher Education (ADHE)	Influence of Proline upon the Folding of a Designed Transmembrane Alpha-Helical Peptide	\$2,650.00	PT07-000847
CHBC	Roger E Koeppe II	Greathouse, Denise~Koeppe II, Roger E~	Weill (Joan and Sanford I.) Medical College of Cornell University	Putting Molecular Dynamics to the Test: Ion Permeation	\$130,984.00	5888
CHBC	Suresh T. Kumar	Kumar, Suresh T.~	Arkansas Department of Higher Education (ADHE)	Towards Understanding the Non-Classical Secretion of the Human Fibroblast Growth Factor	\$2,025.00	PT07-000669
CHBC	Matthias McIntosh	McIntosh, Matthias~	Arkansas Department of Higher Education (ADHE)	Examinations into the Utility of the Acyclic Allylic Diazene Rearrangement	\$1,825.00	PT07-000860
ENGL	Charles H Adams	Adams, Charles H~	Arkansas Department of Higher Education (ADHE)	The Representation of Africa in African American Fiction	\$2,025.00	PT07-000773
ENGL	Susan M Marren	Marren, Susan M~	Arkansas Department of Higher Education (ADHE)	The Aesthetic Use of Jewish Images and Cultural Associations in Works of T.S. Eliot and Arnold Schoenberg	\$1,625.00	PT07-000810
HIST	Lynda L Coon	Coon, Lynda L~	Arkansas Department of Higher Education (ADHE)	The Importance of Frankish Gaul for the Development of Monasticism and Hagiography in Anglo-Saxon England.	\$1,925.00	PT07-000843

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HIST	Richard Sonn	Sonn, Richard~	Arkansas Department of Higher Education (ADHE)	Translating Turmoil: American Accounts of the 1871 Paris Commune	\$625.00	PT07-000781
HIST	Patrick Williams	Williams, Patrick~	Arkansas Department of Higher Education (ADHE)	The Southern Homestead Act: Another Dream Deferred?	\$2,416.00	PT07-000772
JOUR	Patsy G Watkins	Watkins, Patsy G~	Arkansas Department of Higher Education (ADHE)	Advertising and Digital Media: How Media Convergence Affects the Production of Digital Media, the Way Brands Are Built, and the Retail Marketplace	\$1,875.00	PT07-000829
MUSC	Elizabeth (Lisa) H Margulis	Margulis, Elizabeth (Lisa) H~	Arkansas Department of Higher Education (ADHE)	Shared Proessing of Surprise and Tension in Music and Narrative	\$1,625.00	PT07-000832
PHYS	Laurent Bellaiche	Kornev, Igor~Fu, Huaxiang~Bellaiche, Laurent~	Office of Naval Research (ONR)	Understanding and Designing Complex Ferroelectrics from First Principles -- Supplement	\$77,912.00	PT07-000313
PHYS	Julia Kennefick	Kennefick, Julia~	Arkansas Department of Higher Education (ADHE)	Improvement of Moderate Redshift Quasar Surveys Utilizing Infrared and Optical Data	\$2,213.00	PT07-000841
PHYS	William F Oliver III	Oliver III, William F~	Arkansas Department of Higher Education (ADHE)	A Dynamic Light Scattering Study of the Thermal Denaturation of Staphylococcal Nuclease	\$1,875.00	PT07-000701
PHYS	Gregory J Salamo	Salamo, Gregory J~	Arkansas Department of Higher Education (ADHE)	Development of an X-ray Responsive Drug Release Technique Using Liposome Carriers for Site-Specific Tumor Treatment	\$2,650.00	PT07-000805
PHYS	Jak Tchakhalian	Tchakhalian, Jak~	National Science Foundation (NSF)	CAREER: Exploring Artificial Quantum Matter	\$79,923.00	PT07-000432
PLSC	Najib Ghadbian	Ghadbian, Najib~	Arkansas Department of Higher Education (ADHE)	Muqtada al-Sadr and the Mahdi Army in Iraq: Prospects for Political Integration	\$2,025.00	PT07-000670

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PSYC	Matthew T Feldner	Feldner, Matthew T~	Arkansas Department of Higher Education (ADHE)	Investigation of the Relationships among Posttraumatic Stress Disorder, Daily Smoking, and Parasympathetic Reactivity to Trauma Cues	\$2,650.00	PT07-000703
PSYC	David A Schroeder	Schroeder, David A~	Arkansas Department of Higher Education (ADHE)	Perceived Interpersonal Justice and Effects on Forgiveness and Revenge	\$2,025.00	PT07-000836
ACCT	Juan Manuel Sanchez	Sanchez, Juan Manuel~	Arkansas Department of Higher Education (ADHE)	Investigating the Role of ERP on Earnings Management and Internal Controls	\$2,650.00	PT07-000765
ACCT	Carole Shook	Shook, Carole~	Arkansas Department of Higher Education (ADHE)	Study of Accounting Majors' Perception of their Undergraduate Accounting Education after the New Core Curriculum Implementation in the WCOB	\$1,825.00	PT07-000754
CBER	Katherine Deck	Deck, Katherine~	City of Fayetteville	Task Order#2008-2: To Provide Data and Data Analysis to the City of Fayetteville from January to December 2008	\$9,645.00	PT07-000517
CBER	Katherine Deck	Riiman, Viktoria~Deck, Katherine~	SEECO, Inc.	The Economic Impact of the Fayetteville Shale Play	\$27,994.00	PT07-000603
CBER	Katherine Deck	Deck, Katherine~	City of Fayetteville	Task Order: To Provide Sales and Property Tax Projections	\$5,018.00	PT07-000918
ECON	Javier Reyes	Reyes, Javier~	Arkansas Department of Higher Education (ADHE)	An Empirical Test of the Pollution Haven Theory	\$1,825.00	PT07-000831
ECON	Robert Stapp	Stapp, Robert~	Arkansas Department of Higher Education (ADHE)	Market Correlation: Effect of Historical Events on the World's Largest Financial Centers from 1983-2003	\$1,825.00	PT07-000854
FINN	Craig Rennie	Rennie, Craig~	Arkansas Department of Higher Education (ADHE)	The Economics of Ethanol	\$2,025.00	PT07-000706

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FINN	Craig Rennie	Rennie, Craig~	Arkansas Department of Higher Education (ADHE)	Flights-to-Quality: The Effects of Increased Market Volatility on Short Term U.S. Treasury Yields	\$2,025.00	PT07-000707
ISYS	Susan Bristow	Bristow, Susan~	Arkansas Department of Higher Education (ADHE)	Supply Chain Cost Optimization using RFID	\$1,875.00	PT07-000688
ISYS	Bill C Hardgrave	Hardgrave, Bill C~	Tyson Foods, Inc.	Tyson Cold Chain Load Temperature Profile Measurement Testing	\$34,949.00	PT07-000676
ISYS	Bill C Hardgrave	Aloysius, John A~Hardgrave, Bill C~	Wal-Mart Stores, Inc	Examining Supply Chain Efficiency Gains from RFID	\$74,903.00	PT07-000400
MGMT	Jonathan L Johnson	Johnson, Jonathan L~	Arkansas Department of Higher Education (ADHE)	How Do Various Motications for Incorporating Sustainable Initiatives into a Strategy Influence Success?	\$1,825.00	PT07-000865
MKTT	Molly I Rapert	Rapert, Molly I~	Arkansas Department of Higher Education (ADHE)	The Seasons are Changing for the Retail Industry	\$2,025.00	PT07-000759
HKRD	Rosalie (Ro) Dibrezzo	Dibrezzo, Rosalie (Ro)~	PE4Life	PE4Life Research Initiative at PE4Life Academy at the Rogers & Springdale, Arkansas School Districts (Year 2)	\$19,517.00	PT07-000878
HKRD	Dean R Gorman	Gorman, Dean R~	Fayetteville Public Schools	Fayetteville Public School Wellness Program for Faculty and Staff - Michaelides and Parpa	\$24,000.00	PT07-000910
HKRD	Dean R Gorman	Gorman, Dean R~	Fayetteville Public Schools	Fayetteville Public School Wellness Program for Faculty and Staff - Pavlovic	\$10,000.00	PT07-000911
NURS	Kathleen Barta	Barta, Kathleen~	Arkansas Department of Higher Education (ADHE)	Beliefs And Attitudes Toward Menstruation Between Caucasioan & African American College Aged Women	\$2,025.00	PT07-000709

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NURS	Glenda Lawson	Lawson, Glenda~	Arkansas Department of Higher Education (ADHE)	The Role of Activity in Peripheral Arterial Disease: Examination of the Ankle-Brachial Index in Truck Drivers	\$2,025.00	PT07-000713
NURS	Nancy J Smith-Blair	Smith-Blair, Nancy J~	Arkansas Department of Higher Education (ADHE)	The College Woman and Size Perception: Silhouettes and Self-Esteem	\$2,025.00	PT07-000797
RHRC	Fran W. Hagstrom	Hagstrom, Fran W.~	Arkansas Department of Higher Education (ADHE)	Teacher and Speech-Language Pathologist Reactions to Accented Speech: Perceptions of Academic Success	\$2,025.00	PT07-000696
RHRC	Fran W. Hagstrom	Hagstrom, Fran W.~	Arkansas Department of Higher Education (ADHE)	Cultural Variations in Parental Values about Monetary Allowances for Children with/without Disabilities	\$2,025.00	PT07-000661
RHRC	Brent T Williams	Williams, Brent T~	Texas Rehabilitation Commission	Internship Contract: Interlocal Cooperation Contract FY08-FY10	\$51,967.00	PT07-000882
CHEG	Edgar C Clausen	Clausen, Edgar C~	Arkansas Department of Higher Education (ADHE)	Butyric Acid Yield Enhancement by Separation of Fermentation Broths and Continuous Electrodialysis	\$2,025.00	PT07-000846
CHEG	Jamie A Hestekin	Hestekin, Jamie A~	Arkansas Department of Higher Education (ADHE)	Dehydration of Water-Alcohol Systems by Pervaporation	\$1,986.00	PT07-000820
CSCE	Jia Di	Di, Jia~	Arkansas Department of Higher Education (ADHE)	A Synchronous Timer Module for an Asynchronous 8051 Microcontroller	\$2,025.00	PT07-000716
CSCE	Susan Gauch	Gauch, Susan~	National Science Foundation (NSF)	CRI: Next Generation CiteSeer	\$15,944.00	PT07-000572
CVEG	Kevin D Hall	Hall, Kevin D~	Arkansas Department of Higher Education (ADHE)	A Comparison of Nondestructive Testing Backcalculation Techniques for Rigid and Flexible Pavements	\$1,825.00	PT07-000715

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ELEG	Magda O Elshenawee	Elshenawee, Magda O~	Arkansas Department of Higher Education (ADHE)	Computational Model of Breast Blood Vessels and Ducts	\$1,977.00	PT07-000743
ELEG	Alan Mantooth	Mantooth, Alan~	NCREPT Pooled Memberships	NCREPT Agreement - Voluntary Center Memberships (No Proposed Amount for this)	\$20,000.00	PT07-000362
ELEG	Alan Mantooth	Mantooth, Alan~	NCREPT Pooled Memberships	NCREPT Agreement - Voluntary Center Memberships (No Proposed Amount for this)	\$20,000.00	PT07-000362
ELEG	Scott C Smith	Smith, Scott C~	Arkansas Department of Higher Education (ADHE)	Automated Bit-Wise Completion for Asynchronous NULL Convention Digital Circuits	\$2,650.00	PT07-000712
INEG	Scott J Mason	Mason, Scott J~	Arkansas Department of Higher Education (ADHE)	Examination of the Impact of Binning on Customer Demand Satisfaction and Profit Maximization in the Semiconductor Industry	\$2,650.00	PT07-000687
INEG	Edward Pohl	Pohl, Edward~	Arkansas Department of Higher Education (ADHE)	Multi-Cultural Organizational Simulation of a Terrorism Network	\$2,025.00	PT07-000851
MEEG	Ajay Prabhakar Malshe	Malshe, Ajay Prabhakar~Gordon, Matthew H~	Office of Naval Research (ONR)	Understanding Thermo-Mechanical Interfaces in Cryo-Packaged Superconducting MCMS	\$159,999.00	PT07-000495
MEEG	Ajay Prabhakar Malshe	Malshe, Ajay Prabhakar~	Caterpillar, Inc.	Multicomponent Nano-Particle Based Lubricant Additive to Improve Efficiency and Durability in Engines	\$11,672.00	PT07-000197
MEEG	Larry A Roe	Roe, Larry A~	Arkansas Department of Higher Education (ADHE)	Design and Testing of Restart Capabilities of Hybrid Rocket Motor	\$1,825.00	PT07-000741
SRC	Molly Longstreth	Longstreth, Molly~	University of Arkansas for Medical Sciences (UAMS)	Proposal to Evaluate Two Programs to Increase Hispanic Participation in the Medical Field	\$5,001.00	PT07-000515
SRC	Molly Longstreth	Longstreth, Molly~	Siloam Springs Memorial Hospital	Amendment to the Bridges to Wellness Rural Health Network Development Project Survey	\$686.00	PT07-000931

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ARCH	Stephen D Luoni	Luoni, Stephen D~Matlock, Marty~Edwards, Findlay G~	Arkansas Natural Resources Commission	Implementation of Low Impact Development Best Management Practices to Remediate Sediment from Urban Development in Fayetteville, AR	\$259,338.00	PT07-000684
ARCH	Stephen D Luoni	Luoni, Stephen D~Matlock, Marty~Edwards, Findlay G~	Arkansas Natural Resources Commission	Implementation of Low Impact Development Best Management Practices to Remediate Sediment from Urban Development in Fayetteville, AR	\$204,661.00	PT07-000684
					<b>Current Month</b>	<b>\$2,070,631</b>
					<b>Same Month Previous Year</b>	<b>\$1,539,087</b>
					<b>Current Year to Date</b>	<b>\$34,378,165</b>
					<b>Previous Year to Date</b>	<b>\$25,155,504</b>