

***SPONSORED PROGRAMS and RESEARCH***  
***September 2001***

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**College of Education**

*Educational Psychology*

**Brown W.**

*Evaluation of SC Four-Year-Old Children's Program - (GA02)* **\$55,850**  
SC Education Oversight Committee

**Yell M.**

*Preparing Future Teachers of Students with Emotional and Behavioral Disorders - (F250)* **\$199,694**  
US Department of Education

*Instruction & Teacher Education*

**Baker H.**

*Writing Improvement Network - (GL04)* **\$268,240**  
EIA Select Committee

**Freeman N.**

*USC Children's Center/Waverly Neighborhood Mentoring Partnership - (GL05)* **\$7,915**  
Richland County First Steps

**Kuhs T.**

*Partners for the Enhancement of Clinical Experiences - (F440)* **\$878,550**  
US Department of Education

**College of Engineering & Information Technology**

*Chemical Engineering*

**Amiridis M.**

*New Heterogeneous Catalyst for Selective Reduction of NOx Emissions to Improve Vehicular Transportation - (F166)* **\$12,711**  
US Department of Energy

**White R.**

*Optimization of the Cathode Long-Term Stability in Molten Carbonate Fuel Cells: Experimental Study and Mathematical Modeling - (F113)* **\$45,000**  
USCRF/US Department of Energy

*Modeling of Power Systems for Marines - (F121)* **\$150,000**  
Office of Naval Research/DOD

*Civil & Environmental Engineering*

**Cooper A.**

*Collaborative Research: Synthesis of Sulfur-based Water Treatment Agent from Sulfur Dioxide Water Streams - (FA06)* **\$100,703**  
University of Iowa/DOE

*Computer Science & Engineering*

**Huhns M.**

*GA: Avista Solutions, Inc. - (JP18)* **\$3,200**  
Avista Solutions, Inc.

*GA: Design and Deveopment of On-Line Forum - (JP19)* **\$1,301**  
Web Maiden Web Design

*GA(1): United Parcel Service - (JP20)* **\$3,549**  
United Parcel Service

*GA: NetGen Learning Systems, Inc. - (JP21)* **\$13,275**  
NetGen Learning Systems, Inc.

**Matthews M.**

*GA: SC Budget and Control Board - (GP02)* **\$4,340**  
SC Budget & Control Board

*Electrical Engineering*

**Seminario J.**

*Electron Transport through Single Molecules Using a Scattering Treatment Combining Density Functional and Green Function Theories - (FA09)* **\$40,000**  
USCRF/Office of Naval Research/DOD

*Mechanical Engineering*

**Lyons J.**

**Reynolds A.**

*US-Egypt Cooperative Research: Friction Stir Welding of Super-Plastic Alloys - (FA14)* **\$24,250**  
National Science Foundation (NSF) - General

**College of Journalism & Mass Communications**

*Journalism & Mass Communications, College of*

**Collins E.**

*GA: Central Carolina Community Foundation - (KP01)* **\$5,300**  
Central Carolina Community Foundation

*GA: Children's Chance - (KP02)* **\$2,508**  
Children's Chance

*GA: Columbia Economic Development Board - (KP03)* **\$1,004**  
Columbia Economic Development Board

*Journalism & Mass Communications, College of*

**Price H.**

*Strategic Communications Training Course/November - (FL13)* **\$50,392**  
USCRF/Social Security Administration

**College of Liberal Arts**

*Archaeology & Anthropology, Institute of*

**Clement C.**

*Evaluation of Five Additional Archaeological Sites at Fort Jackson as  
a Continuance of the Recent Ten Site Testing Project - (FA05)* **\$64,406**  
US Army Medical Research Acquisition Agency

**Smith S.**

*Native American Consultation Assistance - (GA02)* **\$7,554**  
SC Army National Guard

*Government & International Studies*

**Schneider S.**

*GA: SC Parks, Recreation & Tourism - (GP01)* **\$2,900**  
SC Parks, Recreation & Tourism

*Naval Science*

**Moon V.**

*NROTC Educational Instruction: Calculus and Physics - (FJ03)* **\$2,000**  
US Navy/DOD

*NROTC Educational Instruction: Chemistry and Biology - (FJ02)* **\$2,000**  
US Navy/DOD

*Psychology*

**Downer J.**

*Describing and Defining Dads: A Father's Role in Promoting Head  
Start Children's School Readiness - (FA03)* **\$18,356**  
USCRF/Administration on Children and Families/HHS

**Follingstad D.**

*GA: Pacific Institute for Research & Evaluation - (LP06)* **\$4,872**  
Pacific Institute for Research & Evaluation

**Prinz R.**

*Risk Reduction via Promotion of Youth Development - (F113)* **\$175,000**  
National Institute of Mental Health/NIH/HHS

*Public Affairs, Institute of*

**Bryan C.**

*Center for Bioethics - (L102)* **\$3,548**  
USC School of Medicine Educational Trust

**College of Nursing**

*Academic & Student Affairs*

**Adkins A.**

*2001-2002 AHEC Community-Based Education - Federal Portion - (FL01)* **\$800**  
SC AHEC

*2001-2002 AHEC Community-Based Education - State Portion - (GL01)* **\$19,200**  
SC AHEC

**Moneyham L.**

*A Peer Counseling Intervention for Rural Women with HIV - (FA01)* **\$42,489**  
National Institute of Nursing Research/NIH/HHS

*A Peer Counseling Intervention for Rural Women with HIV - (F105)* **\$342,862**  
National Institute of Nursing Research/NIH/HHS

*A Peer Counseling Intervention for Rural Women with HIV - (FA02)* **\$30,330**  
National Institute for Nursing Research/NIH

*Family & Community Health Nursing*

**Glenn K.**

*First Steps for Readiness Grant Program - (GA00)* **\$7,725**  
Central Carolina Community Foundation/First Steps

**College of Pharmacy**

*Basic Pharmaceutical Sciences*

**Zhu B.**

*Polyphenolic Grape Constituents Increase the Bioavailability of L-DOPA: Benefits in the Treatment of Parkinson's Disease - (KA00)* **\$25,000**  
CA Table Grape Commission

*Palmetto Poison Center*

**Metts B.**

*Emergency Medical Services for Children - (FL00)* **\$88,957**  
SC Department of Health & Environmental Control

**Michels J.**

*South Carolina Poison Center Certification Project - (FL01)* **\$196,924**  
USCRF/Health Resources and Services Administration/HHS

*Pharmacy Practice*

**Reeder C.**

*Janssen Outcomes Research Fellowship - (J151)* **\$20,125**  
Janssen Pharmaceutica Prod, LP

**College of Science and Math**

*Baruch Institute*

**Dean J.**

*GA: SC Sea Grant Consortium - (GP03)* **\$8,000**  
SC Sea Grant Consortium

**Porter D.**

*Continuing Support of the NERRS Centralized Data Management Office - (FA18)* **\$236,780**  
SC Department of Health & Environmental Control/NOAA

**Reichert M.**

**Dean J.**

*IOU Larval/Juvenile Fish Survey: Larval and Juvenile Fish of Bottomland Hardwood Floodplains in the Savannah River Site (SC) - (FA19)* **\$149,960**  
USCRF/University of Georgia/DOE

*Biological Sciences*

**Ely B.**

*REU Site: Undergraduate Research in Integrative Evolutionary Biology - (FA21)* **\$214,670**  
USCRF/National Science Foundation (NSF) - General

**Krizek B.**

*Regulatory Role of Aintegumenta in Organ Initiation and Growth - (FA22)* **\$100,000**  
USCRF/US Department of Energy

**Vogt R.**

*Odor Receptors and Olfaction in Sea Turtles - (FA23)* **\$81,803**  
USCRF/National Marine Fishery Services/NOAA

**Waldman A.**

*Recombination in Higher Eukaryotes - (FA19)* **\$170,076**  
USCRF/National Institute of General Medical Sciences/NIH

*Chemistry & Biochemistry*

**Baynes J.**

*Glycation of Proteins in Diabetes - (F192)* **\$268,561**  
National Inst. of Diabetes, Digestive & Kidney Disease/NIH

## Chemistry & Biochemistry

### Dawson J.

*Editing: Journal of Inorganic Biochemistry - (J400)* \$2,834  
Elsevier Science

### Sodetz J.

*Structure and Function of Terminal Complement Proteins - (F178)* \$231,485  
National Institute of General Medical Sciences/NIH

## Geological Sciences

### Knapp J.

*Equatorial Guinea Training Support - (KA00)* \$7,000  
USC Educational Foundation

### Owens T.

*IRIS Fissures Development Center - (FA23)* \$51,298  
USCRF/IRIS/NSF

### Thunell R.

### Goni M.

*Collaborative Research: Particulate Organic Carbon Fluxes and  
Sediment Accumulation in the Cariaco Basin - (FA24)* \$150,524  
USCRF/National Science Foundation (NSF) - General

## Physics & Astronomy

### Johnson J.

*Development of a South Carolina Statewide Prosecution Case  
Management System - (FA11)* \$40,070  
SC Department of Public Safety/DOPS

## Science & Math Administration

### McLawhorn T.

*NetDM - (KL00)* \$6,000  
USC Research Foundation

## College of Social Work

### Social Work, College of

### Raymond F.

*GA: Lexington Medical Center - (LP06)* \$13,500  
Lexington Medical Center

*GA: Our Lady of Mercy Community Outreach Services, Inc. - (KP29)* \$3,009  
Our Lady of Mercy Community Outreach Services, Inc.

*GA: Columbia Urban League, Inc. - (KP28)* \$5,000  
Columbia Urban League, Inc.

*Social Work, College of*

<i>GA: Research Associates - (JP03)</i> Research Associates	<b>\$5,015</b>
<i>GA: Columbia Area Mental Health Center - (GP08)</i> Columbia Area Mental Health Center	<b>\$6,018</b>
<i>GA: SCDHEC - (GP07)</i> SC Department of Health & Environmental Control	<b>\$3,000</b>

**Wright L.**

<i>Elementary School Counseling Demonstration Program - (FL03)</i> Allendale County Schools/USDE	<b>\$129,553</b>
<i>USC-High School Equivalency Program - (FJ01)</i> USCRF/US Department of Education	<b>\$322,241</b>
<i>Field Initiated Research: Successful Adolescent Adoption - (FA04)</i> Administration on Children, Youth & Families/HHS	<b>\$169,675</b>

**Darla Moore School of Business**

*Business Administration - Division Of Research*

**Folks W.**

<i>Centers for International Business Education - (FA02)</i> US Department of Education	<b>\$350,000</b>
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**Roefeldt R.**

<i>GA: Burkett, Burkett and Burkett, CPA, PA - (JP27)</i> Burkett, Burkett and Burkett, CPA, PA	<b>\$7,200</b>
<i>GA: Resource Bancshares Mortgage Group - (JP29)</i> Resource Bancshares Mortgage Group	<b>\$3,055</b>
<i>GA: State Budget and Control Board - (GP09)</i> State Budget & Control Board	<b>\$4,418</b>
<i>GA: American Red Cross - (KP01)</i> American Red Cross	<b>\$2,500</b>
<i>GA: Companion Technologies - (JP31)</i> Companion Technologies	<b>\$3,870</b>
<i>GA: NetGen - (JP30)</i> NetGen	<b>\$19,000</b>
<i>GA: Capital Consulting Group, Inc. - (JP32)</i> Capital Consulting Group, Inc.	<b>\$4,470</b>
<i>GA: Ediningfinder, Inc. - (JP40)</i> Ediningfinder, Inc.	<b>\$3,015</b>

*Business Administration - Division Of Research*

*GA: William Preston and Associates - (JP39)* **\$16,000**

William Preston and Associates

*GA: Three Rivers Center for Behavioral Health - (JP38)* **\$5,810**

Three Rivers Center for Behavioral Health

*GA: Bi-Lo Corporation - (JP37)* **\$6,300**

Bi-Lo Corporation

*GA: Scott McElveen, CPA - (JP36)* **\$10,400**

Scott McElveen, CPA

*GA: Laserprint Service - (JP34)* **\$10,000**

Laserprint Service

*GA: Solectron - (JP28)* **\$10,200**

Solectron

*GA: Northwestern Mutual Life - (J735)* **\$4,000**

Northwestern Mutual Life

*GA: Safety Kleen Corporation - (JP33)* **\$2,745**

Safety Kleen Corporation

**Woodward D.**

*Economic and Fiscal Impact of BMW in South Carolina - (JA04)* **\$44,600**

BMW Manufacturing Corporation

**Institute for Families in Society**

*Families in Society, Institute for*

**Andrews A.**

*Design, Implementation and Evaluation of Proactive Grantmaking - (K120)* **\$370,547**

USCRF/Sisters of Charity

**Floyd A.**

*Technical Assistant to Homeless Coalitions - (FL03)* **\$31,435**

USCRF/Training & Development Associates, Inc./HUD

**Wandersman A.**

*Development of the South Carolina Involvement Instrument - (GL01)* **\$49,977**

SC Education Oversight Committee

**Law School**

*Law School*

**Crystal N.**

*University of California, Hastings College of Law - (LL01)* **\$76,244**

Hastings College of the Law/University of California

*Law School*

**Morris C.**

*Finding Word South Carolina - (KL04)* **\$10,000**  
USCRF/Children's Trust Fund of South Carolina

**Norman J. Arnold School of Public Health**

*Communication Sciences & Disorders*

**Healy E.**

*Speech Perception by Hearing-Impaired Listeners - (KA00)* **\$7,917**  
USCRF/National Organization for Hearing Research

*Environmental Health Sciences*

**Bernhard J.**

*Benthic Foraminiferal Biomass in the Gulf of Mexico - (F164)* **\$54,286**  
USCRF/Texas A&M/Dept of Interior

**Feigley C.**

*Investigating Principles of Workroom Exposure - (FA23)* **\$242,928**  
USCRF/Centers for Disease Control

**Porter D.**

*Development of Land Cover Data Layer for Richland County, SC - (HA00)* **\$6,720**  
Richland County

*Epidemiology & Biostatistics*

**Mayer-Davis E.**

*Dual-Energy X-Ray Absorptiometry (DEXA) for Accurate Measurement of Body - (KQ00)* **\$480,000**  
USC Research Foundation

*SEARCH for Diabetes - (FA11)* **\$847,048**  
USCRF/Centers for Disease Control/HHS

*Association of Whole Grain Intake with Insulin Sensitivity - (JA00)* **\$20,000**  
General Mills

*Exercise Science*

**Pate R.**

*GA: Michelin North America - (J704)* **\$11,000**  
Michelin North America

**Williams H.**

*GA: Lowman Home - (JP02)* **\$7,500**  
Lowman Home

## *Health Administration*

### **Glover S.**

<i>GA: Physicians Health Plan, Inc. - (JP11)</i> Physicians Health Plan, Inc.	<b>\$3,012</b>
<i>GA: Physicians Health Plan - (JP12)</i> Physicians Health Plan	<b>\$1,506</b>
<i>NRHA Rural Minority Health Information Warehouse - (KL00)</i> USCRF/National Rural Health Association	<b>\$39,970</b>

## *Health Promotion & Education*

### **Sargent R.**

<i>GA: Communities of the Midlands - (HP03)</i> Communities in Schools of the Midlands	<b>\$7,200</b>
<i>GA: Carolina Care - (JP14)</i> Carolina Cares	<b>\$3,012</b>
<i>GA: SC Campaign to Prevent Teen Pregnancy - (KP02)</i> SC Campaign to Prevent Pregnancy	<b>\$3,090</b>
<i>GA: Health Directions - (LP04)</i> Health Directions	<b>\$7,000</b>

## *Prevention Research Center*

### **Ainsworth B.**

<i>SIP 4-99: BRFSS Module to Assess Community Indicators - (FA15)</i> Centers for Disease Control	<b>\$149,999</b>
<i>Community Indicators and Supportive Environments for Physical Activity - (FA12)</i> USCRF/Department of Health and Human Services	<b>\$7,500</b>
<i>SIP 20-01: Surveillance of Physical Activity and Weigh Control - (FA23)</i> Centers for Disease Control	<b>\$349,995</b>
<i>Health Promotion and Disease Prevention Research Centers - (FA13)</i> Centers for Disease Control/HHS	<b>\$717,000</b>

### **Matthews C.**

<i>SIP 13-00: Development of a Short Physical Activity Questionnaire - (FA19)</i> Centers for Disease Control/HHS	<b>\$148,073</b>
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### **Parra-Medina D.**

<i>SIP 15-99: Prevention Centers Tobacco Network - (FA16)</i> Centers for Disease Control/HHS	<b>\$9,999</b>
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*Prevention Research Center*

**Pate R.**

*Physical Activity Training for Health Professionals - (FA14)* **\$73,045**  
Centers for Disease Control/HHS

**Pluto D.**

*SIP 25-99: Development of a Community Based Evaluation Support Network - (FA17)* **\$350,000**  
Centers for Disease Control/HHS

**Sargent R.**

*SIP 7-00: Nutrition, Physical Activity, and Obesity Network - (FA18)* **\$10,000**  
Centers for Disease Control/HHS

**Teas J.**

*SIP 6-00: Complementary and Alternative Medicine with Curative Intent - (FA20)* **\$363,821**  
Centers for Disease Control

**Wheeler F.**

*SIP 19-01: Policy Influences on PA & Nutrition Behaviors - (FA22)* **\$99,870**  
Centers for Disease Control/HHS

**Wilcox S.**

*SIP 5-01: Creation of a PRC Network for Healthy Aging - (FA21)* **\$25,000**  
Centers for Disease Control/HHS

**Regional and Four-Year Campuses**

*USC Aiken*

**Johnson G.**

*GEAR-UP Mini Grant - (GL04)* **\$25,000**  
SC Commission on Higher Education

*GEAR UP Program - State Portion - (GL03)* **\$42,291**  
SC Commission on Higher Education

*USC Beaufort*

**Yanker M.**

*USCB Center for Coastal Ecology - (GL01)* **\$33,296**  
SC Department of Health and Environmental Control

*USC Spartanburg*

**Jackson P.**

*USDA Family Daycare Homes - (FL08)* **\$5,000**  
SC Department of Social Services/USDA

*USC Spartanburg*

**Minsky I.**

*Student Support Services Program - (FL05)* **\$5,000**  
US Department of Education

**Tardie G.**

*GEAR-UP - (GL04)* **\$24,344**  
SC Commission on Higher Education

*Gear Up Program - (GL03)* **\$5,000**  
SC Commission on Higher Education

**Turner J.**

*Microbiobial Study - (L101)* **\$1,740**  
Milliken

*Watershed Ecology Center Education Program - (KL00)* **\$13,000**  
Carolina Piedmont Foundation

**Young A.**

*USC Spartanburg AmeriCorps - (FL02)* **\$85,998**  
SC Commission on National & Community Service/USDE

*USC Sumter*

**Getty C.**

*Installation Exhibit/Ke Francis - (HL02)* **\$1,000**  
Sumter County Cultural Commission

**School of Medicine**

*Cell Biology & Neurosciences*

**McDonald A.**

*Synaptic Organization of the Basolateral Amygdala - (F175)* **\$1,505**  
National Institute of Neurological Disorders & Str

*Developmental Biology & Anatomy*

**Goldsmith E.**

*The Role DDR2, a Collagen Specific Receptor Tyrosine Kinase, in  
Cardiovascular Development - (K111)* **\$40,000**  
American Heart Association

**Price R.**

*Antiotensin II Induced Integrin and PKC Signaling in Cardiac  
Myocytes - (K112)* **\$50,000**  
American Heart Association

## Internal Medicine

### Bryan C.

<i>Midlands Care Consortium - Ryan White - (FL01)</i>	<b>\$554</b>
SC Department of Health & Environmental Control/HHS	
<i>CBC and Emerging Communities - (FL02)</i>	<b>\$64,768</b>
SC Department of Health & Environmental Control/HHS	
<i>Ryan White Emerging Communities - (FL03)</i>	<b>\$230,222</b>
SC Department of Health & Environmental Control/HHS	

### Hopkins C.

<i>Prevention of Events with Angiotensin Converting Enzyme Inhibition (Peace Trial) - (F104)</i>	<b>\$5</b>
George Washington University/NHLBI/NIH	
<i>Prevention of Events with Angiotensin Converting Enzyme Inhibition (Peace Trial) - (F104)</i>	<b>\$155</b>
George Washington University/NHLBI	

### Moloo J.

<i>Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102)</i>	<b>\$605</b>
University of Texas/NIH	

### Omoigui N.

<i>ALLHAT Study - Follow-up - (J121)</i>	<b>\$4,401</b>
Allhat - Strategem, Inc.	

## Microbiology & Immunology

### Bowers W.

<i>Ocular Dendritic Cells: Role in Pathogenesis of Uveitis - (F171)</i>	<b>\$186,195</b>
National Eye Institute/NIH	

### Fox A.

### Muhammad W.

<i>Minority Predoctoral Fellowship Program - (FA00)</i>	<b>\$22,054</b>
National Human Genome Research Institute/NIHGN	

### Mayer E.

<i>Macrophage/Collagen Interactions in Atherosclerosis - (K110)</i>	<b>\$49,892</b>
American Heart Association	

## Neuropsychiatry

### Jerrell J.

<i>Research and Training - Homeless Outreach Project - Little River - (GA00)</i>	<b>\$34,650</b>
SC Department of Mental Health	

*Pediatrics/Center for Developmental Disabilities*

**Derrick W.**

*Outpatient Pediatric AIDS Clinical Services - (FL05)* **\$140,000**  
SC Department of Health & Human Services/HHS

**Kotchmar G.**

*SC DHEC Division of STD/HIV - (FL06)* **\$66,886**  
SC Department of Health & Environmental Control/HHS

*Radiology*

**Adcock D.**

*Subcontract: Medical Surveillance for Former DOE Workers - (F101)* **\$401,974**  
Medical University of South Carolina./DOE

*South Carolina Cancer Center*

**Fowler S.**

*SCCC Technology Fund (SCCC Computer System Upgrade) - (KL00)* **\$37,000**  
USCRF/Palmetto Health Foundation

*Genetic Profiling of Breast Cancer in African-Americans in South Carolina - (KA00)* **\$47,000**  
Palmetto Health Foundation

**School of the Environment**

*School of the Environment*

**Barnes P.**

*Implementation of ISO 14001 - (JL01)* **\$3,402**  
USCRF/Draxlmaier Automotive of America

**Coull B.**

*Distinguished Lecturer in the Environment - (KA00)* **\$125,000**  
USC Education Foundation/SCANA & Rasmussen

**Herren L.**

*Compliance Assistance-Measurement of Effectiveness of on-site Inspections with Non-Regulatory Follow-up by Industrial Sectors - (FL01)* **\$74,729**  
USCRF/US Environmental Protection Agency

**South Carolina Honors College**

*South Carolina Honors College*

**Williams D.**

*A Proposal to Create an Online, Student Managed Journal for Undergraduate Research in Marine and Aquatic Sciences - (FA00)* **\$102,676**  
USCRF/National Science Foundation (NSF) - General

**Vice President for Research**

*NanoCenter*

**Balbuena P.**

*Bimetallic and Trimetallic Nanoparticles for Fuel Cell Electro-catalysts - (FA11)*

USCRF/US Department of Energy

**\$180,002**

***Grand Total***

***\$12,496,523***