SPONSORED PROGRAMS and RESEARCH
September 2000

College of Criminal Justice
Criminal Justice, College of
Baker D.

GA: (3) SC Dept of Juvenile Justice - (G726)
SC Department of Juvenile Justice $16,870

College of Education
Education Leadership & Policies
China J.

GEAR-UP - (FL00) $106,736
SC Commission on Higher Education/USDE

GEAR-UP (State Match) - (GL00) $68,263
SC Commission on Higher Education

Pellicer L.

Increase African-American Faculty in Colleges and Universities - (K403) $199,415
Kellogg Foundation

Educational Psychology
Gredler M.

GA: (1) Richland County School District Two - (HP00) $10,000
Richland County School District Two

Instruction & Teacher Ed.
Kuhs T.

Partners for the Enhancement of Clinical Experiences - (F440) $949,641
US Department of Education

Mason J.

USC Americorps - Member Support Costs - (F442) $50,000
SC Commission on National and Community Service/USDE

College of Engineering & Information Technology
Chemical Engineering
Papathanasiou T.

Fluid Flow and Infiltration Through Structured Fibrous Porous Media - (F100) $50,000
US Department of Energy
Civil & Environmental Engineering
Petrou M. Lyons J. Harries K. Papathanasiou T.

*Durability of the Bond Between Concrete and Fiber-Reinforced Polymer Composites* - (FA01)
National Science Foundation $210,000

Computer Science and Engineering
Huhns M.

*GA: (1) SC Department of Health and Environmental Control* - (GP00)
SC Department of Health and Environmental Control $9,760

*GA: (1) NetGen Learning Systems, Inc.* - (JP01)
NetGen Learning Systems, Inc. $4,717

Huray P.

*Closing the Digital Gap in Underdeveloped Regions* - (FQ00)
University of Kentucky/NSF $50,000

Electrical & Computer Engineering
Khan M.

*Investigation of GaN Microwave Power Transistors* - (JA00)
Raytheon Electronics $35,000

Mechanical Engineering
McNeill S.

*Weld Integrity Inspection System for Hands-55* - (FA02)
SC Universities Research and Education Foundation/WSRC/DOE $69,661

Reynolds A. Sutton M. Chao Y.

*Friction Stir Welding II* - (I142)
SCRI/TMCI/US Air Force/DOD $474,806

Rhodes C.

*Bond Strength Testing of Composite Materials* - (I143)
SCRI/Concurrent Technologies Corp. $1,000

College of Journalism & Mass Communications
Collins E.

*GA: (1) SC Department of Commerce* - (GP01)
SC Department of Commerce $8,369

*Sutton M.*

*Critical Flow Size Analysis - Parametric Modeling for DOT Specification Tank Car Designs* - (F154)
US Department of Transportation $5,000
Journalism & Mass Communications, College of
GA: (1) SC Department of Consumer Affairs - (GP02)
SC Department of Consumer Affairs

$2,500

GA: (1) SC Budget and Control Board - (GP00)
SC Budget and Control Board

$2,700

Duhe' S.

2000-2001 American Council on Educational Fellowships - (KA00)
American Council on Education

$50,000

Farrar R.

Basic Communications Training/October - (FL01)
Social Security Administration

$41,040

Strategic Communications Training Course - (FL02)
Social Security Administration

$100,758

Basic Communications Training/December - (FL04)
Social Security Administration

$41,040

Basic Communications Training/November - (FL03)
Social Security Administration

$37,396

College of Liberal Arts

Archaeology & Anthropology, Institute of
Depratter C. South S.

Delineation of Cemetery #1 on Marine Corps Recruit Depot Parris Island, South Carolina - (FA00)
US Marine Corps

$22,275

Smith S.

Integrated Cultural Resources Management Plan for Naval District Washington - (FA01)
US Army Engineers Construction Engineering Research

$12,666

Art

Hewitt M.

SC Clay Exhibition - (GL00)
SC Arts Commission

$2,500

Geography

Cutter S.

Historic Inequities in Disaster Losses: Identifying Disaster-Prone Places - (F162)
National Science Foundation

$131,564

Hazardous Materials Flow Analysis III - Columbia and the I-77 Corridor - (FA00)
SC Emergency Preparedness Division

$62,936
GINT
Hays S.

GA: (1) SC Dept of Parks, Recreation and Tourism - (GP00) $2,900
SC Department of Parks, Recreation and Tourism

GA: (1) Richland County Government - (HP00) $2,089
Richland County Government

History
Weyeneth R.

GA: (1) Columbia Planning Department - (HP00) $7,000
City of Columbia Planning Department

GA: (1) EdVenture, Inc. - (JP00) $8,032
EdVenture, Inc.

GA: (1) SC State Museum - (GP02) $6,526
SC State Museum

GA: (1) SC Confederate Relic Room - (GP01) $4,912
SC Confederate Relic Room

GA: (1) South Carolina State Museum - (GP00) $6,024
SC State Museum

Wilson C.

The Papers of John Calhoun - (L108) $1,000
Various Sources

Philosophy
Baird D. Hughes R.

Sustainable Universities Initiative - (K101) $18,450
USC Education Fdn/Kann Rasmussen Fdn

Psychology
Follingstad D.

GA: (1) Department of Family and Preventive Medicine - (LP00) $2,200
Family and Preventive Medicine/PRMH

GA: (1) Palmetto Health Alliance - (LP01) $12,000
Palmetto Health Alliance

Nagle R.

GA: (1) Richland County School District One - (HP00) $12,780
Richland County School District One

Sociology
Faust K.

Demographic Responses to a Changing Environment - (F142) $2,309
University of North Carolina/NIH/HHS
<table>
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<tr>
<th>Trio Programs</th>
<th>Beasley P.</th>
<th>$205,700</th>
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<tr>
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<td><em>Ronald McNair Scholars Program</em> - (FL00)</td>
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<td>US Department of Education</td>
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| College of Library & Information Science          |                                                   |          |
| Library & Information Science, College of        |                                                   |          |
|                                                   | **Douglas G.**                                   |          |
|                                                   | *GA; (1) University Center of Greenville* - (LP00)| $4,265   |
|                                                   | University Center of Greenville                  |          |

| Williams B.                                       |                                                   |          |
|                                                   | *DHEC Graduate Assistants and Consulting Services* - (GL00) | $22,040 |
|                                                   | SC Department of Health and Environmental Control |          |

| College of Nursing                                |                                                   |          |
| Academic & Student Affairs                         |                                                   |          |
|                                                   | **Murdaugh C.**                                  |          |
|                                                   | *Health Promotion/Risk Reduction in Special Populations* - (FA00) | $72,156 |
|                                                   | National Science Foundation                      |          |

| College of Pharmacy                                |                                                   |          |
| Basic Pharmaceutical Sciences                       |                                                   |          |
|                                                   | **Wyatt M.**                                     |          |
|                                                   | *Substrate Recognition Mechanism of DNA Repair Enzymes* - (F107) | $104,993|
|                                                   | National Institute of Environmental Health Sciences/NIH |        |

| Clinical Pharmacy                                  |                                                   |          |
|                                                   | **Voris J.**                                     |          |
|                                                   | *A Detailed Utilization Study of Nefazodone* - (J114) | $5,000  |
|                                                   | Bristol-Myers Squibb Company                      |          |

| College of Science and Math                        |                                                   |          |
| Baruch Institute                                    |                                                   |          |
|                                                   | **Allen D.**                                     |          |
|                                                   | *North Inlet-Winyah Bay National Estuarine Research Reserve (NERR)* - (FA01) | $232,000|
|                                                   | SC Department of Health and Environmental Control/OCRM/NOAA |        |

|                                                   | **Bushek D.**                                    |          |
|                                                   | *Urbanization of Southeastern Estuarine Systems* - (FA04) | $48,001 |
|                                                   | SC Sea Grant Consortium/NOAA                      |          |
Baruch Institute

Lewitus A.

- ECOHAB: Toxic Dinoflagellates and Nutrients: A Regional Comparative Study - (F112) $89,950
  University of Maryland/NOAA

- Urbanization of Southeastern Estuarine Systems - (FA03) $42,121
  SC Sea Grant Consortium/NOAA

Porter D.

- Assessing Community Level Mapping Needs at McCrady Training Center - (GA00) $30,000
  Office of the Adjutant General

- Continuing Support of the NOAA NERRS Centralized Data Management Office - (FA02) $161,889
  SC Department of Health and Environmental Control/OCRM/NOAA

Biological Sciences

Benner R.

- Sources, Abundance, and Transformations of Amino Sugars in Marine Organic Matter - (FA02) $140,000
  National Science Foundation

Mousseau T.

- The South Carolina Statewide Collaboration (SCSC) Providing Interactive Biology Research Experience to Minority Undergraduates - (FA01) $15,000
  National Science Foundation

- The South Carolina Statewide Collaboration (SCSC) Providing Interactive Biology Research Experience to Minority Undergraduates - (FA01) $60,000
  National Science Foundation

Vance V.

- Applications of Gene Silencing for Crop Improvement - (I105) $150,000
  Akkadix Corporation

Center For Science Education

Astwood P.

- Maps and Aerial Photographic Systems: An Integrated Curriculum for the Middle School - (F110) $22,809
  Clemson University/NSF

Chemistry

Baynes J.

- Role of Lipoxidation in the Pathogenesis of Diabetic Complications - (KA01) $204,124
  Juvenile Diabetes Foundation International
Chemistry
Dawson J.

Editing: Journal of Inorganic Biochemistry - (J400)  $14,898
Elsevier Science, Inc.

Kistler S.

Role of Specific Proteins in Spermatogenesis - (F173)  $102,363
National Institute of Child Health and Human Development/NIH

Thorpe S.

Markers and Mechanisms of Macrovascular Disease in IDDM (Core C) - (F150)  $41,865
Medical University of South Carolina/NIH

Geological Sciences
Knapp J. Owens T.

Reflections Under the Scottish Highlands (RUSH II): A Broadband Investigation of the Extent and Origin of Upper Mantle Reflectors in Scotland - (FA00)  $232,430
National Science Foundation

Moore W.

Role of Groundwater in the Biogeochemical Cycles of Carbon, Nitrogen, and Phosphorus in South Carolina and Georgia Coastal Waters - (FA01)  $43,950
SC Sea Grant Consortium/NOAA

Owens T.

IRIS Fissures Development Center - (F172)  $49,688
IRIS

Mathematics
Brenner S.

Theory and Applications of Multigrid and Domain Decomposition Methods - (F118)  $5,528
National Science Foundation

Sharpley R.

Scientific Computing Research Environments for the Mathematical Sciences (SCREMS) - (F304)  $270
National Science Foundation

Physics & Astronomy
Djalali C.

SURA/JLAB Graduate Fellowship - (FA00)  $11,000
Southern Universities Research Association
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<tr>
<th>Field</th>
<th>Investigator(s)</th>
<th>Project Description</th>
<th>Budget</th>
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<td>Physics &amp; Astronomy</td>
<td>Purohit M.</td>
<td>Experimental Particle Physics - (F117)</td>
<td>$32,000</td>
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<td>Statistics</td>
<td>Grego J.</td>
<td>Judicial Survey - (I101)</td>
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<td>Padgett J.</td>
<td>Dynamic Reliability Models for Systems of Interacting Components - (F133)</td>
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<td>Young Parents: Implementation and Outcomes - (GA00)</td>
<td>$97,407</td>
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<td>Raymond F.</td>
<td>GA: (1) Palmetto AIDS Life Support Services - (KP03)</td>
<td>$10,000</td>
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<td>GA: (1) Koban, Inc. - (K776)</td>
<td>$3,646</td>
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<td>Wright L.</td>
<td>GA: (1) Continuum of Care - (G755)</td>
<td>$4,518</td>
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<td>Supporting Elementary Education through School Social Work (DHEC) - (G420)</td>
<td>$37,644</td>
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<td>Safe and Drug Free Schools - (FL00)</td>
<td>$47,805</td>
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<td>Field Initiated Research: Successful Adolescent Adoption - (FA01)</td>
<td>$108,186</td>
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Darla Moore School of Business
Business Administration - Division Of Research
Folks W.

Centers for International Business Education - (FA00) $313,000
US Department of Education

Markland R.

GA: (1) Crisp Hughes Evans, LLP - (JP07) $3,375
Crisp Hughes Evans, LLP

GA: (1) Unicorn International, Inc. - (JP03) $4,625
Unicorn International, Inc.

GA: (1) Resource Bancshares Mortgage Group, Inc. - (JP02) $8,800
Resource Bancshares Mortgage Group, Inc.

GA: (1) SREE Hospitality Group - (JP01) $16,900
SREE Hospitality Group

GA: (1) Merrill Lynch - (JP00) $3,020
Merrill Lynch

GA: (1) Lewis and Clark - (JP06) $5,000
Lewis and Clark

GA: (2) Northwestern Mutual Life - (J735) $6,270
Northwestern Mutual Life

GA: (1) Richland County School District One - (HP00) $10,000
Richland County School District One

GA: (2) SC Budget and Control Board - (GP01) $8,836
SC Budget and Control Board

GA: (1) SC Board of Pharmacy - (GP00) $1,732
SC Board of Pharmacy

GA: (1) 1K.Com - (JP05) $4,970
1K.Com

GA: (2) Laserprint Service - (JP08) $8,450
Laserprint Service

GA: (1) Anand Chaturvedi - (JP04) $10,405
Ingersoll-Rand

Teel S.

Comparison of Student Leadership Club Factors - (FL00) $10,040
National Crime Prevention Council/DOJ

Economic Impact of the Palmetto Expo Center - (JA00) $25,468
Palmetto Expo Center, Inc.
Small Business Development Center

Lenti J.

SBDC Control Center - (F483)  
US Small Business Administration  
$86,616

Institute for Families in Society

Families in Society, Institute for

Andrews A.

Evaluation and Technical Assistance to the Duke Endowment - (K113)  
Duke Foundation  
$38,968

Pee Dee Healthy Start - (FA00)  
Pee Dee Healthy Start/HHS  
$57,500

Technical Assistance to the Governor's Task Force on Domestic Violence - (FL00)  
SC Department of Social Services/HHS  
$32,709

Technical Assistance to the Office of First Steps - (GA00)  
Office of First Steps  
$437,107

Lopez-DeFede A.

Medically Fragile Children's Program Evaluation - (F141)  
SC Department of Health and Human Services/HHS  
$226,241

BabyNet Program Evaluation - (G405)  
SC Department of Health and Environmental Control  
$53,500

Motes P.

Evaluation and Technical Assistance to Communities-in-Schools - (FL01)  
Communities in Schools/DSS/HHS  
$149,816

Institute of Public Affairs

Public Affairs, Institute of

Dobson D.

HWMRF Environmental Conference - (GL00)  
Hazardous Waste Management Research Fund/SCUREF  
$20,000

Oldendick R.

Pregnancy Risk Assessment Monitoring Systems - (FA00)  
SC Department of Health and Environmental Control/CDC  
$16,000

Prince C.

Implementation of a Nonpoint Education for Municipal Officials (NEMO) Program - (GL02)  
Hazardous Waste Management Research Fund/SCUREF  
$23,072
Public Affairs, Institute of
CMAT/CEP Technical Assistance Program - (GL01) $19,206
Hazardous Waste Management Research Fund/SCUREF

Regional and Four-Year Campuses
Aiken
Johnson G.

USC Aiken GEAR UP Saturday Academy and Summer Institute - (FL00) $174,993
SC Commission on Higher Education/USDE

Priest J.

CSRA HUB - (F495) $34,021
SC Department of Education/NSF

Ulmer-Sottong L.

Healthy Communities: Growing into Life Infant Mortality Project - (KA00) $21,000
University of Richmond/Pew Foundation

Beaufort
Corliss L.

USCB Center for Coastal Ecology - (GL00) $80,000
SC Department of Health and Environmental Control

Upshaw J.

Jasper County Schools/USC Beaufort Partnership - (HL01) $90,897
Jasper County School District

Lancaster
Beasley P.

Upward Bound - (F435) $5,400
US Department of Education

Salkehatchie
Beasley P. Thomas A.

Student Support Services - (FL00) $198,582
US Department of Education

Spartanburg
Divita J.

Center for Continuing Education at USCS - (K426) $30,000
Carolina Piedmont Foundation

McPherson A. Brackett J.

Gifted and Talented Teacher Institutes - (GL00) $17,600
SC Department of Education
Spartanburg

Prince J.

*Peter Seldin Faculty Workshop* - (KJ00)  
Carolina Piedmont Foundation, Inc.  
$15,440

Romine R.

*Center for Metropolitan Studies at USCS* - (K425)  
Carolina Piedmont Foundation, Inc.  
$30,000

Sumter

Getty C.

*Phillip Mullen: Works from the Collections of Vanessa and Dana Mullen* - (GL00)  
SC Arts Commission  
$2,164

School of Medicine

Cell Biology And Neurosciences

Blake C.  
Millette C.

*Toxic and Estrogenic Actions of PCB's in Reproduction* - (FA00)  
Benedict College/NIH  
$71,356

Lavoie H.

*Ovarian LDL Receptor and Star Gene Regulation* - (F176)  
National Institute of Child Health and Human Development/NIH  
$97,297

Millette C.

*Toxicological Effects of PCB's During Spermatogenesis* - (FA01)  
Benedict College/NIH  
$73,895

Developmental Biology and Anatomy

Carver W.

*Cardiac Mast Cell: Role in Pathogenesis of Heart Failure* - (F180)  
Auburn University/NIH  
$121,459

Family & Preventive Medicine

Keisler D.

*Diabetes Initiative of South Carolina* - (GL00)  
Medical University of South Carolina  
$60,000

Health and Safety

Johnson T.

*DHEC Recycling Grant* - (GL00)  
SC Department of Health and Environmental Control  
$10,000
Internal Medicine

Bryan C.

Perinatal HIV Prevention Services - (FL00) $25,000
SC Department of Health and Environmental Control/HHS

Obstetrics & Gynecology

Best R.

South Carolina Neural Tube Defect Surveillance, Prevention, and Research Initiative - (F100) $59,000
Greenwood Genetic Center

Pediatrics/Center for Developmental Disabilities

Burton O. Peters R.

Travel for Pediatric Advocate/DHEC - (GL00) $10,000
SC Department of Health and Environmental Control

Ferrante R.

SC Traumatic Brain Injury (TBI) State Planning Federal Grant Project - (FL00) $45,656
SC Department of Disabilities and Special Needs/HHS

Pharmacology and Physiology

Walsh K.

The Importance of Cardiac Cell Phenotype in Ion Channel Expression - (K137) $48,553
American Heart Association

School of Medicine Graduate Program

Buggy J.

GA: (2) James H. Carr & Associates - (JP00) $17,680
James H. Carr & Associates

School of Public Health

Environmental Health Sciences

Amiridis M.

Parametric Studies of BASF's Purification Catalysts - (I101) $14,514
SCRI/BASF Corporation

Bernhard J.

Benthic Foraminiferal Biomass in the Gulf of Mexico - (I102) $64,892
SCRI/Texas A&M University/DOI

Epidemiology and Biostatistics

Drane J.

GA: (1) US Computing, Inc. - (J710) $8,678
US Computing, Inc.
Epidemiology and Biostatistics
Hebert J.

Reducing Disease Risk in Low-Income Postpartum Women - (I102) $35,114
SCRI/Harvard University/NIH

Exercise Science
Durstine L.

Relationships Among Exercise, HDL-Cholesterol, Prostacyclin, and Endothelin-1 - (K143) $5,000
Mayfest Quest

Williams H.

GA: (1) Lowman Home - (J710) $7,000
Lowman Home

Health Administration
Amidon R.

GA: (1) Palmetto Richland Memorial Hospital - (LP00) $3,012
Palmetto Richland Memorial Hospital

Dodson D.

GA: (1) Palmetto Richland Memorial Hospital - (LP02) $2,262
Palmetto Richland Memorial Hospital

GA: (1) Palmetto Health Alliance - (JP01) $3,500
Palmetto Health Alliance

GA: (1) Palmetto Richland Memorial Hospital - (LP01) $1,506
Palmetto Richland Memorial Hospital

Samuels M.

Rural African-American Research Center - (FA00) $499,725
Health Resources and Services Administration/HHS

Health Promotion and Education
Richter D.

SC Aids Training Network - (F465) $64,089
Emory University/HRSA/HHS

Sargent R.

GA: (1) Richland County School District One - (HP00) $3,012
Richland County School District One

GA: (1) Carolina Care, P.A. - (JP01) $3,012
Carolina Care, P.A.

GA: (1) Health Directions - (LP00) $5,036
Health Directions
Prevention Research Center

Ainsworth B.

**BRFSS Module to Assess Community Indicators - (FA02)**
Centers for Disease Control/HHS

**Women's Cardiovascular Health Network - (FA03)**
Centers for Disease Control/HHS

**Health Promotion and Disease Prevention Research Centers - (FA00)**
Centers for Disease Control/HHS

Matthews C.

**Development of a Short Physical Activity Questionnaire - (FA07)**
Centers for Disease Control/HHS

Pate R.

**Physical Activity Training for Public Health Professionals - (FA01)**
Centers for Disease Control/HHS

**PRC Nutrition, Physical Activity and Obesity Network - (FA06)**
Centers for Disease Control/HHS

Reininger B.

**Development of Community Based Evaluation Support Network - (FA05)**
Centers for Disease Control/HHS

Teas J.

**Complementary and Alternative Medicine with Curative Intent - (FA08)**
Centers for Disease Control/HHS

Ureda J.

**Prevention Centers Tobacco Network - (FA04)**
Centers for Disease Control/HHS

School of the Environment

School of the Environment

Kenig-Dessau S.

**Wood Products - Market Analysis - (I101)**
SCRI/Southwoods Lumber

Vice Provost for Research

Sponsored Programs & Research

McCoy K.

**GA: Center for Selection and Enhanced Performance - (F700)**
US Army Recruiting Command

**$149,999**

**$60,000**

**$650,000**

**$148,426**

**$180,000**

**$10,000**

**$350,000**

**$359,977**

**$9,999**

**$3,862**

**$20,000**