SPONSORED PROGRAMS and RESEARCH  
December 2000

College of Criminal Justice  
*Criminal Justice, College of*  
Alpert G.  MacDonald J.  Gover A.

*The Lexington County Domestic Violence Court: A Partnership and Evaluation* - (FA02)  
US Department of Justice  
$221,478

College of Education  
*Instruction & Teacher Education*  
Kuhs T.  Toner T.

*Professional Development School Enhancement Project* - (FL00)  
SC Department of Education/USDE  
$123,628

College of Engineering & Information Technology  
*Chemical Engineering*  
Amiridis M.

*New Heterogeneous Catalyst for Selective Reduction of NOx Emissions to Improve Vehicular Transportaton* - (F166)  
US Department of Energy  
$95,000

*Searching for the Best DeNOx Catalyst* - (I131)  
SCRI/W.L. Gore & Associates, Inc.  
$11,320

Balbuena P.

*Computational Design of Nanobatteries for Self-Powered Devices* - (KQ00)  
SC Research Institute  
$38,250

White R.

*DOE/EPSCoR - Human Resource Development* - (F181)  
US Department of Energy  
$117,552

*DOE/EPSCoR Research Management* - (F182)  
US Department of Energy  
$28,821

*DOE/EPSCoR: Hydrogen Storage/Hydrogen Production* - (F183)  
US Department of Energy  
$302,139

Computer Science and Engineering  
Huhns M.

*GA: (1) US Computing, Inc.* - (JP04)  
US Computing, Inc.  
$11,625
Electrical & Computer Engineering

Huhns M.

Research Allocation in Dynamic Uncertain Domains - (F168) $49,000
Air Force Research Laboratory/DARPA

Engineering - Dean's Office

White R.

Distinguished Scientist - (FA00) $125,000
SC Universities Research and Education Foundation/DOE

Mechanical Engineering

Baxter S.

CAREER: Effects of Microstructural Randomness in Composite Processing - (F170) $10,000
National Science Foundation

Giurgiutiu V. Bayoumi A.

Mechanical Diagnostics and Prognostics Based on Accelerated Test Data and In-Flight Recordings - (I145) $90,000
SCRI/BF Goodrich Aerospace

Sutton M.

Development of General Ductile Fracture Criterion and Computational Methodology for Three-Dimensional Crack Growth Simulations Along Arbitrary Surfaces - (I144) $292,000
SCRI/Anteon Corporation/US Air Force

College of Hospitality, Retail & Sports Management

Hospitality, Retail & Sports Mgmt - Dean's Office

Jordan D.

South Carolina Academy of Science Central Office - (G400) $60,000
SC Academy of Applied Science/SC Department of Education

College of Journalism & Mass Communications

Journalism & Mass Communications, College of

Collins E.

GA: (1) SC Department of Consumer Affairs - (GP03) $2,500
SC Department of Consumer Affairs

GA: (1) SC Press Association - (KP00) $6,666
SC Press Association
College of Liberal Arts
Archaeology & Anthropology, Institute of
Brooks M.

Cultural Resource Management on the SRS - (F110) $250,000
US Department of Energy

Geography
Dow K.

Sustainable Universities Initiative - (K113) $640
USC Education Foundation/Kann Rasmussen Foundation

Government & International Studies
Hays S.

GA: (1) SC Department of Archives and History - (G740) $1,300
SC Department of Archives & History

History
Wilson C.

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

Institute for Southern Studies
DePratter C.

Santa Elena Project - (I101) $50,000
SCRI/Anonymous Donor

Psychology
Follingstad D.

GA: (1) Department of Family and Preventive Medicine - (LP00) $4,320
Palmetto Health Alliance

Prinz R.

Early Alliance Project - (FA01) $44,050
SC Department of Alcohol & Drug Abuse/HHS

College of Pharmacy
Clinical Pharmacy
Phillips C.

Educational Development of Community Responsive Pharmacy $7,500
Student Practitioners - (GJ00)
SC Area Health Education Consortium
Clinical Pharmacy
Rowen R.

Clinical Pharmacy Service Contract Agreement - (LL00) $62,500
Palmetto Richland Memorial Hospital

College of Science and Math
Baruch Institute
Fletcher M.

A Regional Framework for Interconnectivity of Coastal Ocean Observing Systems - Matching Account - (KA00) $100,000
Southeastern Universities Research Association

Stancyk S.

GA: (1) SC Department of Natural Resources - (GP00) $7,378
SC Department of Natural Resources

Biological Sciences
Berger F.

TS Inhibitors and Cancer Chemotherapy in the MIN Mouse - (F168) $205,764
National Cancer Institute/NIH

Mousseau T.

The Adaptive Significance of Phenotypic Plasticity and Reaction Norm Evolution in a Natural System - (FA05) $30,000
National Science Foundation

GA: (1) SC Department of Natural Resources - (GP00) $6,150
SC Department of Natural Resources

Raguso R.

Pattern and Process in the Evolution of Hawkmoth Pollination - (I187) $30,632
SCRI/Arizona State University/NSF

Chemistry
Adams R.

Metal Segregated Cluster Complexes: Organometallic Models for Bimetallic Synergism and Interface Activity - (F195) $125,000
US Department of Energy

Berg M.

Ultrafast DNA Dynamics Using Novel Photophysical Probes - (FA03) $222,364
National Institute of General Medical Sciences/HHS
**Chemistry**

Reger D.

*DOE EPSCoR: Hydrogen Storage and Delivery Systems Utilizing Chemical Hydrides* - (F169)
US Department of Energy

$140,389

zur Loye H.

*Investigation of New Magnetic Oxides with Low-Dimensional Structures* - (F185)
National Science Foundation

$124,030

**EPSCoR**

Odom J.

*South Carolina DOE/EPSCoR Research Implementation Plan* - (F142)
US Department of Energy

$20,710

**Geological Sciences**

Lakshmi V.

*The Influence of Land-Atmosphere Interactions on Variability of the North American Monsoon* - (F183)
National Aeronautics & Space Administration

$25,370

Talwani P.

*Keowee-Toxaway Seismic Monitoring* - (J100)
Duke Power Company

$30,000

Torres R.

*Water Quality and Fish Mercury Levels* - (F180)
Sumter National Forest/USDA

$2,000

Voulgaris G.

*Hydrodynamic Framework of Long Bay, SC: Measurements of Waves and Coastal Currents* - (FA03)
SC Sea Grant Consortium/NOAA

$7,636

*Variation and Controls of Beach Morphology Along the Coast of South Carolina* - (FA02)
SC Sea Grant Consortium/NOAA

$22,712

*Towards Enhanced Modeling Benchmarks and Predictability in Coastal Margins* - (F178)
Office of Naval Research/DOD

$16,297

**Physics & Astronomy**

Johnson J.

*Development of IRIS Extension* - (GA00)
Office of the Adjutant General

$19,250
**Physics & Astronomy**
*Expansion of SCIBRS Project* - (FA04) 
SC Department of Public Safety/DOJ  
$5,000

**Statistics**
*Finch H.*
*Safety Belt Use Survey* - (FA00)  
SC Department of Public Safety/DOT  
$24,149

**College of Social Work**
*Social Work, College of*
*Raymond F.*
*GA: (1) The Potter's Touch* - (KP04)  
United Methodist Counseling Center  
$3,012

*GA: (1) Clinic 2000* - (KP05)  
Clinic 2000  
$1,500

**Darla Moore School of Business**
*Small Business Development Center*
*Lenti J.*
*SBDC Control Center* - (FL02)  
Small Business Administration  
$167,585

*SBDC USC Regional Office* - (FL03)  
Small Business Administration  
$325,265

**Institute for Families in Society**
*Families in Society, Institute for*
*Andrews A.*
*Technical Assistance to the Office of First Steps* - (GA00)  
Office of First Steps  
$365,984

*Flery V.*
*Domestic Violence Services in Rural Healthcare Clinics* - (FA01)  
Centers for Disease Control/HHS  
$81,257

**Institute of Public Affairs**
*Public Affairs, Institute of*
*Dobson D.*
*E2SC: Environmental Excellence in SC* - (G418)  
Hazardous Waste Management Research Fund/SCUREF  
$89,744

*Hazardous Waste Management Research Control Center* - (G113)  
Hazardous Waste Management Research Fund/SCUREF  
$60,183
Public Affairs, Institute of
Oldendick R.

Professional Services to Support the Quantitative Evaluation Efforts of the CoE Program - (I108) $60,000
SCRI/US Department of Health & Human Services

Law School

Law School

Byars W.

Nexaskids Training Plan for Children's Services - (FL02) $108,000
SC Department of Social Services/HHS

Linnan D.

Law and Finance Institutional Partnership - (F106) $250,429
USAID/PEG Jakarta, Indonesia

Morris C.

IOLTA-Child Protection - (KL01) $63,399
SC Bar Association

Operation of Children's Law Office - (FL01) $136,354
SC Department of Social Services/HHS

Norman J. Arnold School of Public Health

Environmental Health Sciences

Lee E.

Improvement of Exposure Assessment - (FA03) $5,000
University of South Florida/CDC

Epidemiology and Biostatistics

Mayer-Davis E.

Diabetes Prevention Diet Assessment Center - (F114) $38,184
George Washington University/NIH

Exercise Science

Williams H.

GA: (1) Agape Assisted Living, Inc. - (J711) $3,000
Agape Assisted Living, Inc.

Health Administration

Amidon R.

GA: (1) Carteret General Hospital - (LP05) $5,252
Carteret General Hospital
**Health Administration**

**Baker S.**

GA: (1) Blue Cross Blue Shield of South Carolina - (JP04)  
Blue Cross Blue Shield of South Carolina  
$4,217

**Dodson D.**

GA: (1) Lutheran Hospice - (LP04)  
Lutheran Hospice  
$2,008

**Health Promotion and Education**

**Richter D.**

SC Aids Training Network: Catawba Indian Nation Health Care Provider HIV Training Initiative - (I101)  
SCRI/Catawba Indian Nation/HRSA  
$8,352

**Sargent R.**

GA: (1) Unum Life Insurance Company - (JP02)  
Unum Life Insurance Company  
$9,000

**Teas J.**

Do the Effects of Exercise on Breast Cancer Prevention Vary with Environment - (FA05)  
US Army Medical Research Acquisition Activity/DOD  
$62,500

Dietary Seaweed and Early Breast Cancer - (FA06)  
US Army Medical Research Acquisition Activity/DOD  
$14,450

Brown Seaweed as a Breast Cancer Preventive - (KA01)  
Susan G. Komen Breast Cancer Foundation  
$48,447

**Watkins K.**

Racial and Ethnic Approaches to Community Health 2010 (Reach 2010) - Phase II - (I102)  
SCRI/Medical University of South Carolina/CDC  
$32,501

**Prevention Research Center**

**Ainsworth B.**

Physical Activity and Inactivity and Child Obesity - A Four County Study - (J102)  
University of North Carolina/M&M Mars Corp.  
$19,187

**Regional and Four-Year Campuses**

**Lancaster**

**Beasley P.**

Upward Bound - (F435)  
US Department of Education  
$10,000
Sumter
Ross B.

*HEAP Administrative Grant* - (GL01) $400
SC Commission on Higher Education

School of Medicine

**Developmental Biology and Anatomy**

**Goodwin R.**

*The Role of LEK1 in the Proliferation and Differentiation of Cardiac Myocytes* - (KA00) $65,000
American Heart Association

**Family & Preventive Medicine**

**Bostick R.**

*A Multicenter, Randomized, Parallel Group, Placebo-Controlled, Double-Blind Study with In-House Blinding to Determine the Effect of 156 Weeks of Treatment with MK-0966 on the Recurrence of Neoplastic Polyps of the Large Bowel* - (JA00) $65,188
Merck Research Laboratories

*Soy Isoflavones and Cell Proliferation in Monkeys* - (F106) $29,595
University of Minnesota/NIH

**Internal Medicine**

**Eleazer P.**

*Disease-Impairment-Disability Profiles for Entrants to South Carolina Medicaid Long Term Care* - (GA00) $65,689
SC Department of Health & Human Services

**Gonzalez F.**

*AG3340-009 A Randomized Double-Blind, Placebo Controlled, Phase III Study of Matrix Metalloproteinase Inhibitor AG3340 in Hormone-Refractory Prostate Cancer* - (J136) $2,250
Agouron Pharmaceuticals, Inc.

**Lin T.**

*A 24 Month, Double-Blind Multicenter Study of Zenarestat (CI1014-1) in the Treatment of Diabetic Neuropathy* - (J127) $15,950
Pfizer, Inc.

**Omoigui N.**

*Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT)* - (F102) $590
Vanguard Center/NIH

Health Science Center/NIH
Pediatrics/Center for Developmental Disabilities

Rivers D.

SC Service Information System - (G445) $8,000
SC Department of Disabilities & Special Needs

Research and Special Projects

Fowler S.

USC - Kershaw Rural Primary Care Education Project - (K203) $87,000
Duke Endowment

Vice President for Research

EPSCoR

Reger D. Little S.

Fiber-Optic Chemical Sensors for In-Situ Battery Diagnostics - (GA19) $73,285
SC Commission on Higher Education

White R. Little S.

Research Management - (GA16) $14,393
SC Commission on Higher Education

Electrochemical Power Sources, Fuel Cells, and Stacks - (GA18) $151,129
SC Commission on Higher Education

Human Resource Development - (GA17) $98,562
SC Commission on Higher Education

DOE/EPSCoR Management - (GA15) $13,273
SC Commission on Higher Education

Grand Total $5,836,234