SPONSORED PROGRAMS and RESEARCH
May 2001

College of Education
Educational Psychology
Brown W.

Preparation of Leadership Personnel - (FJ00)  $198,859
US Department of Education

Gold J.

GA: SC Department of Mental Health - (GP00)  $15,060
SC Department of Mental Health

Hult D.

A Study of Professional Development Schools: Student Achievement; Teacher Quality and Teacher Recruitment and Retention - (LA00)  $17,000
National Education Association

Johnson R.

Curriculum Leadership Institute in the Arts-Assessment - (GJ01)  $18,800
Winthrop University

Instruction & Teacher Education
Brown M.

Graduate Coursework and Certification for Early Childhood Faculty and Mentors - (FJ01)  $147,513
SC Department of Health & Human Services/HHS

Kuhs T.

Professional Development School - Federal Grant Award for Airport High School - (FL02)  $2,600
SC Department of Education/USDE

Professional Development School - Parkway Middle School - (GL01)  $1,100
SC Department of Education

Professional Development School - State Grant Award for Airport High School - (GL02)  $1,400
SC Department of Education

Physical Education
French K.

USDA Summer Feeding Program - (FL00)  $850,585
SC Department of Social Services/USDA
College of Engineering & Information Technology

Chemical Engineering

Balbuena P.

Workshop on First Principles Computational Design of Electro-Chemical Systems - (FA08) $33,764
Army Research Office/DOD

Popov B.

Electrodeposition of Thin Films of Fe-Ni Alloys in Presence of Organic Compounds - (I138) $23,335
SCRI/Sandia National Laboratory/DOE

Ritter J. Ploehn H.

Magnetic Separations for Environmentally Benign Processing Proposal - (F118) $19,974
National Science Foundation (NSF) - General

Van Zee J.

The Effects of Scale-Up and Water Phase Change on PEM Fuel Cell Performance for a Moving Vehicle on Urban Roads - (GA00) $30,008
SC State University Transportation Center

Civil & Environmental Engineering

Cooper A.

Enzymatic Disinfection of Domestic Wastewater - (F150) $10,000
National Science Foundation (NSF) - General

Gassman S.

Specifications for Culvert Pipe used in SCDOT Highway Applications - (FA04) $117,000
SC Department of Transportation/DOT

Pierce C.

Task 2000-003: Alternatives to Construction & Demolition Waste Disposal - (GA01) $9,857
Hazardous Waste Management Research Fund/SCUREF

Computer Science & Engineering

Farkas C.

Information Systems Security Education - (FA04) $199,846
National Science Foundation (NSF) - General

Huhns M.

GA: Avista Solutions, Inc. - (JP16) $6,528
Avista Solutions, Inc.

GA: NetGen Learning Systems, Inc. - (JP13) $6,838
NetGen Learning Systems, Inc.
Computer Science & Engineering

GA: NetGen Learning Systems, Inc. - (JP14) $20,917
NetGen Learning Systems, Inc.

GA: US Computing, Inc. - (JP15) $14,000
US Computing, Inc.

Rose J.

Achieving Comprehensive Mission Robustness - (FA05) $74,464
National Aeronautics & Space Administration (NASA) - General

Electrical Engineering

Huhns M.

Research Allocation in Dynamic Uncertain Domains - (F168) $41,223
Air Force Research Laboratory/DARPA

Khan A.

High PRF Ultraviolet Detectors Based on Quaternary A1InGaN Layers and Heterojunctions - (FA05) $388,462
National Aeronautics & Space Administration (NASA) - General

Seminario J.

Nanocell Approach to a Molecular Computer - (I138) $210,591
SCRI/Rice University/ONR

Engineering & Information Technology, College of

Buell D.

SCCHE College & University Technology Initiative - (G100) $1,932,630
SC Commission on Higher Education

Mechanical Engineering

Chao Y.

Determination of Constraint Parameters in Fracture Testing - (FA10) $7,996
SC Universities Research and Education Foundation/DOE

Peters W.

Improving ISO 14001 at Siemens Diesel Systems Technology - (I152) $16,376
SCRI/Siemens Diesel Systems Technology

Reynolds A. Khan J. Deng X.

Development of Coupled Thermal, Mechanical, and Material Transport Models of the Friction Stir Welding Process - (F177) $115,052
National Science Foundation (NSF) - General
College of Hospitality, Retail & Sports Management

Hospitality, Retail & Sports Mgmt - Dean’s Office

Williams H.

National Writing Project: Santee-Wateree - (F408) $25,000
National Writing Project/USDE

College of Journalism & Mass Communications

Journalism & Mass Communications, College of

Collins E.

GA: SC Department of Consumer Affairs - (GP05) $4,666
SC Department of Consumer Affairs

Farrar R.

Strategic Communications Training - (FL09) $50,391
Social Security Administration - General

College of Liberal Arts

Archaeology & Anthropology, Institute of

Clement C.

Monitor Archaeological Sites for Impacts by Man or Natural Occurrences - (FA04) $4,851
US Army Medical Research Acquisition Activity/DOD

Evaluation of Five Additional Archaeological Sites at Fort Jackson as a Continuance of the Recent Ten Site Testing Project - (FA05) $40,434
US Army Medical Research Acquisition Activity/DOD

DePratter C. South S.

Delineation of Cemeteries 3 and 4 and Search for Additional Cemeteries on Marine Corps Recruit Depot, Parris Island, South Carolina - (I108) $60,399
SCRI/US Marine Corps/DOD

Smith S.

Revolutionary War Battlefield/Site Study - (I109) $47,930
SCRI/National Conference of State Historic Preservation Off.

History

Taylor J.

The Papers of Henry Laurens - (FA00) $84,511
National Historical Publications & Records Commission

Wilson C.

The Papers of John Calhoun - (L108) $2,000
Various Sources
Philosophy
Preston C.

Stipend for Participation in NEH Summer Institute "Environmental Ethics and Issues: Alaska as a Case Study - (FA01)
University of Alaska/NEH

Psychology
Follingstad D.

GA: SC Department of Mental Health - (GP03)
SC Department of Mental Health

GA: Palmetto Health Alliance - (L711)
Palmetto Health Alliance

$1,150

Prinz R.

Risk Reduction via Promotion of Youth Development - (F113)
National Institute of Mental Health/NIH

Risk Reduction via Promotion of Youth Development - (F130)
National Institute of Mental Health/NIH

$20,080

$12,010

$899,999

$53,495

Sociology
Willer D.

Doctoral Dissertation Research: Compound Connections in Exchange Networks - (FA01)
National Science Foundation (NSF) - General

$7,500

Trio Programs
Beasley P.

Upward Bound Program - (FL01)
US Department of Education

$439,568

College of Library & Information Science
Library & Information Science, College of
Douglas G.

GA: Office of the Governor - Constituent Services - (GP00)
Office of the Governor

$10,000

College of Nursing
Academic & Student Affairs
Loquist R.

Colleagues in Caring - (L101)
Robert Wood Johnson-Various Sources

SC Colleagues in Caring - Revenue Account - (L402)
Various Sources

$10,500

$2,550
Administrative & Clinical Nursing

**Anderson-Loftin W.**

_Dietary Education for Rural, Black Persons with Diabetes - (FA01)_

$144,500

National Institute for Nursing Research/NIH

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College of Pharmacy

**Basic Pharmaceutical Sciences**

**Wang D.**

_Effects of Dioxins (TCDD) on Cardiac Ion Channels - (FA01)_

$108,000

National Institute of Environmental Health Sciences/NIH

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Pharmacy Practice

**Reeder C.**

_GA: Palmetto Health Alliance - (LP00)_

$15,000

Palmetto Health Alliance

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College of Science and Math

**Baruch Institute**

**Feller R.**

_Nitrogen Assimilation and Gut Evacuation Time In Penaeid Shrimp Fed Different Quality Food: Promoting Environmentally Safe Shrimp Culture - (FA09)_

$28,154

SC Sea Grant Consortium/NOAA

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**Porter D.**

_Development and Support of a National Spatial Data Infrastructure (NSDI) Node at the Belle W. Baruch Institute for Marine Biology and Coastal Research - (FA12)_

$6,000

US Geological Survey/DOI

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**Zingmark D.**

_Structure, Dynamics and Functional Relationships Between Suspended and Epiphytic Microalgae and FoodWebs in a Salt Marsh Estuarine System - (FA11)_

$10,000

SC Sea Grant Consortium/NOAA

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**Zingmark R. Lewitus A.**

_MERP 2001-4: Structure, Dynamics and Functional Relationships (Linkages) Between Phytoplankton, Epiphytic Microalgae, and Foodwebs in a Salt Marsh Estuarine System - (FA10)_

$49,964

New Jersey Marine Sciences Consortium/NOAA

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Biological Sciences

**Dewey M.**

_Peromyscus Laboratory Animal Models for Biomedical Research - (F181)_

$131,586

National Center for Research Resources/NIH

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**Biological Sciences**

**Ely B.**

*REU Site: Undergraduate Research in Evolutionary Biology* - (F175)  
National Science Foundation  
$40,000

**Marton L.**

*Remediation of Haloorganic Pollutants with Spartina Alterniflora* - (FA12)  
SC Sea Grant Consortium/NOAA  
$34,682

*Genetic Engineering of Heavy Metal Processing in Spartina Alterniflora* - (FA13)  
SC Sea Grant Consortium/NOAA  
$34,982

**Morris J.**

*Structure and Functions of Tidal Freshwater Wetlands on the Cooper River, SC: Effects of Water Management on Succession, Nutrient Cycling, and Fish Habitat* - (FA14)  
SC Sea Grant Consortium/NOAA  
$67,975

**Mousseau T.**

*Dissertation Research: The Evolutionary Genetics of Sexual Dimorphism* - (FA15)  
National Science Foundation (NSF) - General  
$8,200

**Chemistry & Biochemistry**

**Dawson J.**

*Editing: Journal of Inorganic Biochemistry* - (J400)  
Elsevier Science, Inc.  
$5,666

**zur Loye H.**

*Synthesis of Functionalized Organic-Inorganic Coordination Polymers* - (KA05)  
American Chemical Society  
$60,000

**Geological Sciences**

**Goni M.**

*Acquisition of Irm-GC-MS Instrumentation for Global Biogeo-Chemical Research* - (F168)  
National Science Foundation (NSF) - General  
$24,098

**Voulgaris G.**

*Nearshore Impacts of Offshore Dredging for Beach Nourishment* - (FA08)  
SC Sea Grant Consortium/NOAA  
$15,000
**Mathematics**

**Brenner S.**

- *Theory and Applications of Multigrid and Domain Decomposition Methods* - (F118)
  - National Science Foundation (NSF) - General
  - $11,606

**Griggs J., Szekely L.**

- *Combinatorics with Applications* - (F117)
  - National Science Foundation (NSF) - General
  - $55,000

**Physics & Astronomy**

**Anandan J., Mazur P.**

- *Quantum Coherence* - (F135)
  - National Science Foundation (NSF) - General
  - $70,000

**Avignone F.**

- *The IGEX 76 Ge Double Beta Decay Experiment and CUORE, the Next Generation 130 Te Experiment* - (F131)
  - National Science Foundation (NSF) - General
  - $92,066

**Johnson J.**

- *Deployment and Outreach of Statewide Victim Services Case Management Database* - (FA09)
  - SC Department of Public Safety/DOJ
  - $469,754
- *High Security Information System* - (FA08)
  - Air Force Office of Scientific Research/DOD
  - $178,041

**Kubodera K., Myhrer F.**

- *Theoretical Studies of Hadronic and Nuclear Dynamics* - (F134)
  - National Science Foundation (NSF) - General
  - $127,000

**Statistics**

**Finch H.**

- *Safety Belt Use Surveys (Click it or Ticket Campaign)* - (GA01)
  - SC Department of Public Safety
  - $13,260

**Pena E.**

- *Models and Analysis of Recurrent Data with Intervention* - (F138)
  - National Institute of General Medical Sciences/NIH
  - $7,857

**College of Social Work**

**Social Work, College of**

**Raymond F.**

- *GA: Senior Primary Care Practice At Palmetto Richland Memorial Hospital* - (LP01)
  - Senior Primary Care Practice at PRMH
  - $9,036
Social Work, College of

GA: Sexual Trauma Services of the Midlands - (KP14) $1,506
Sexual Trauma Services of the Midlands

GA: Emma Family Resource Center and Emma United Methodist Church - (KP13) $4,518
Emma Family Resource Center

GA: SC National Association of Social Workers - (KP12) $3,012
SC National Association of Social Workers

GA: Family Service Center of South Carolina - (KP11) $3,012
Family Service Center of South Carolina

GA: Sylvester Management Corporation - (JP00) $1,506
Sylvester Management Corporation

GA: Lexington Interfaith Community Services - (KP16) $6,024
Lexington Interfaith Community Services

GA: SC Department of Mental Health - (GP03) $86,860
SC Department of Mental Health

GA: Trinity Housing Corporation - (KP15) $1,406
Trinity Housing Corporation

GA: Trident United Way - (KP17) $15,060
Trident United Way

Wright L.

Program Evaluation Services - (FA03) $21,924
Richland County School District One/USDE

Captioning and Social Service Loop Tape - (FL07) $3,077
SC Department of Health & Human Services/HHS

Darla Moore School of Business

Business Administration - Division Of Research

Markland R.

GA: Lewis and Clark - (JP06) $2,500
Lewis and Clark

Roenfeldt R.

GA: Mase Okura - (JP16) $3,000
Nexsen Pruet Jacobs & Pollards LLC

Schunk D.

Palmetto Economic Perspectives - (JA03) $12,500
The South Financial Group
**Business Administration - Division Of Research**

**Teel S.**

*Public Opinion Survey on Click-it or Ticket Campaign - (GA02)*
SC Department of Public Safety

$19,598

**Woodward D.**

*Economic Impact of the Columbia Metropolitan Airport - (JA02)*
Columbia Metropolitan Airport

$7,500

**Institute of Public Affairs**

**Public Affairs, Institute of**

**Chishom A.**

*Evaluation of VSAC’s Youth Leadership - (FL05)*
National Crime Prevention Council/DOJ

$15,000

*Southern Region Violence & Substance Abuse Prevention Center - Youth Leadership Development - (FL04)*
Office of Juvenile Justice/DOJ

$97,829

**Haddock K.**

*Children’s Behavioral Health Services Outcomes Pilot Project - (KA02)*
SC Dept of Health & Human Services/R.Wood Johnson Foundation

$28,302

**Murday D.**

*Supporting Innovation by Local Health Departments - (KL02)*
Robert Wood Johnson Foundation

$500,000

**Law School**

**Law School**

**Byars W.**

*Fatherhood Initiative - (K421)*
Sisters of Charity Foundation

$24,000

*Juvenile Justice Resource Center - (FL03)*
SC Department of Public Safety/DOJ

$170,023

**Morris C.**

*Legal Training for DSS Staff and Agents - (F412)*
SC Department of Social Services

$41,040
Norman J. Arnold School of Public Health

Environmental Health Sciences

Chandler T.

Land-Use Effects on Mobility, Bioavailability and Toxicity of Common Urban Contaminants in Water/Sediment of Coastal Ecosystems - (FA10)  
SC Sea Grant Consortium/NOAA  
$2,913

Decho A.

Land-Use Effects on Mobility, Bioavailability and Toxicity of Common Urban Contaminants in Water/Sediment of Coastal Ecosystems - (FA11)  
SC Sea Grant Consortium/NOAA  
$2,913

Feigley C.

Source of Chemical Markers for Bacteria in Indoor Air - (JA00)  
Philip Morris  
$91,250

The SC Traumatic Brain Injury Registry & Follow-Up System - (FL00)  
Medical University of SC/CDC  
$3,765

McKellar H.

Structure and Functions of Tidal Freshwater Wetlands on the Cooper River, SC: Effects of Water Management on Succession, Nutrient Cycling, and Fish Habitat - (FA12)  
SC Sea Grant Consortium/NOAA  
$30,264

Epidemiology & Biostatistics

Mayer-Davis E.

Multi-Ethnic Study of Atherosclerosis (MESA) - Diet Assessment Center - (I103)  
SCRI/University of Washington/NIH  
$46,839

Exercise Science

Davis M.

Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (J120)  
Quaker Oaks  
$21,594

Pate R.

Incentives for Subjects Participating in the Trial of Activity for Adolescent Girls (I1530-FA00) - (FA01)  
University of North Carolina/NIH  
$2,100
Health Administration
Samuels M.

Chain Project Evaluation - (FA02) $10,000
Bamberg County Hospital/HRSA

Health Promotion & Education
Neal A.

National Youth Sports Program - (FL01) $70,000
National Youth Sports Corporation/HHS

Richter D.

SC Aids Training Network - (F465) $9,686
Emory University/HRSA

Sargent R.

GA: SC Department of Health and Environmental Control - (G749) $3,208
SC Department of Health & Environmental Control

GA: Family Service Center of South Carolina - (KP01) $6,000
Family Service Center of South Carolina

GA: Blue Cross Shield of South Carolina - (JP07) $4,418
Blue Cross Blue Shield of South Carolina

GA: Companion HealthCare - (JP06) $2,548
Companion HealthCare

Teas J.

Dietary Seaweed and Early Breast Cancer - (FA06) $172,286
US Army Medical Research Acquisition Activity/DOD

Norman J. Arnold School of Public Health - Dean
Wheeler F.

Public Health Traineeship - (FJ00) $53,973
Health Resources & Services Administration/HHS

Regional and Four-Year Campuses
USC Aiken
Pirkle W.

Undergraduate Research Program: A Collaborative Effort between the SRS and USC Aiken - (FA06) $29,091
SC Universities Research and Education Foundation/DOE

SCUREF/DOE/SRS Joint Faculty Appointment for USC-Aiken - (FA05) $40,000
SC Universities Research & Education Foundation/DOE
USC Aiken
Priest J.

Statewide Systemic Initiative: Technical Education Research Center (TERC) - (FL04)  
SC Department of Education/USDE  
$10,800

USC Salkehatchie
Rice A.

Parents as Leaders - (KJ00)  
Allendale County Alive, Inc.  
$12,500

Public Government Relations Research - (KL01)  
Kettering Foundation  
$30,000

USC Spartanburg
Davenport B.

National Writing Project Application for Matching Funds - (F434)  
National Writing Project/USDE  
$25,000

Harris C.

African-American Studies Institute - (GJ02)  
SC Department of Education  
$10,816

Lever L.

Shared Polymer Characterization Instruments for an Extended Physical Chemistry Laboratory - (L103)  
Converse/Wofford College  
$3,635

Rogers S.

Achieve Program - (FJ01)  
Upstate Workforce Investment Board/DOL  
$5,000

Smith C.

Teacher Cadet Grant - (G206)  
SC Center for Teacher Recruitment  
$2,370

Young A.

USC Spartanburg AmeriCorps - (FL02)  
SC Commission on National & Community Service/USDE  
$5,000

School of Medicine
Family & Preventive Medicine
Bostick R.

Cohort Study of Biomarkers for Recurrent Adenoma - (FA01)  
Vanderbilt University/NIH  
$10,997
**Internal Medicine**

Eleazer G.

A Comprehensive Program to Strengthen Physician’s Training in Geriatrics - (I100)
SCRI/Donald W. Reynolds Foundation

$500,000

Gonzalez F.

A Double-Blind, Randomized, Multicenter Trial Comparing the Efficiency and Tolerability of 125mg or 250mg of Faslodex (long-acting ICI 182,780) with 1mg of Arimidex (Anastrozole) in Postmenopausal Women with Advanced Breast Cancer - (J118)
AstraZeneca LP

$1,000

Lin T.

A Randomized Comparator, Controlled, Double-Blinded Study of the Pioglitazone HCI versus Glyburide with Metformin and Insulin as Part of Step Therapy in Subjects with Type 2 (Non-Insulin Dependent) Diabetes - (JA02)
Ingenix Pharmaceutical Services

$3,060

Omoigui N.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102)
University of Texas Health Science Center/NHLBI

$1,020

**Microbiology & Immunology**

Fox A.

Source of Chemical Markers for Bacteria in Indoor Air - (JA00)
Philip Morris USA

$222,725

Hunt R.

Protection of the Retina Against Oxidative Damage - (F170)
National Eye Institute/NIH

$215,162

**Neuropsychiatry**

Cuccaro M.

Studies in Autism and Related Disorders - (F167)
Duke University/NIH

$139,648

Hwang T.

A Double-Blind, Placebo-Controlled, Safety, Efficacy and Dose Response Trial of Two Intravenous Doses of BMS-204352 in Patients with Acute Stroke - (J111)
Bristol Myers Squibb Company

$10,566
Pharmacology & Physiology

Thames B.

Nurse Anesthetist Traineeships - (FJ01) $7,770
Health Resources & Service Administration/HHS

Wilson S.

Mironescu Endowment Proposals to Improve Research Infrastructure - (KQ01) $5,700
USC Educational Foundation

Research & Special Projects

Fowler S.

DNA Microarray Reader to Enhance SCCC Research - (KQ00) $104,350
Palmetto Health Foundation

School of the Environment

School of the Environment

Amiridis M. Van Zee J.

REU Site: Novel Technologies for Pollution Prevention - (FA00) $93,157
National Science Foundation (NSF) - General

Grand Total $11,232,410