

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 Quarternary AlInGaN 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) **\$1,150**
University of Alaska/NEH

Psychology

Follingstad D.

GA: SC Department of Mental Health - (GP03) **\$20,080**
SC Department of Mental Health

GA: Palmetto Health Alliance - (L711) **\$12,010**
Palmetto Health Alliance

Prinz R.

Risk Reduction via Promotion of Youth Development - (F113) **\$899,999**
National Institute of Mental Health/NIH

Risk Reduction via Promotion of Youth Development - (F130) **\$53,495**
National Institute of Mental Health/NIH

Sociology

Willer D.

Doctoral Dissertation Research: Compound Connections in Exchange Networks - (FA01) **\$7,500**
National Science Foundation (NSF) - General

Trio Programs

Beasley P.

Upward Bound Program - (FL01) **\$439,568**
US Department of Education

College of Library & Information Science

Library & Information Science, College of

Douglas G.

GA: Office of the Governor - Constituent Services - (GP00) **\$10,000**
Office of the Governor

College of Nursing

Academic & Student Affairs

Loquist R.

Colleagues in Caring - (L101) **\$10,500**
Robert Wood Johnson-Variou Sources

SC Colleagues in Caring - Revenue Account - (L402) **\$2,550**
Various Sources

Administrative & Clinical Nursing

Anderson-Loftin W.

Dietary Education for Rural, Black Persons with Diabetes - (FA01) **\$144,500**
National Institute for Nursing Research/NIH

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

Pharmacy Practice

Reeder C.

GA: Palmetto Health Alliance - (LP00) **\$15,000**
Palmetto Health Alliance

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

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

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

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

Biological Sciences

Dewey M.

Peromyscus Laboratory Animal Models for Biomedical Research - (F181) **\$131,586**
National Center for Research Resources/NIH

Biological Sciences

Ely B.

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

Marton L.

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

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

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) **\$67,975**
SC Sea Grant Consortium/NOAA

Mousseau T.

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

Chemistry & Biochemistry

Dawson J.

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

zur Loye H.

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

Geological Sciences

Goni M.

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

Voulgaris G.

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

Mathematics

Brenner S.

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

Griggs J.

Szekely L.

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

Physics & Astronomy

Anandan J.

Mazur P.

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

Avignone F.

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

Johnson J.

Deployment and Outreach of Statewide Victim Services Case Management Database - (FA09) **\$469,754**
SC Department of Public Safety/DOJ

High Security Information System - (FA08) **\$178,041**
Air Force Office of Scientific Research/DOD

Kubodera K.

Myhrer F.

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

Statistics

Finch H.

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

Pena E.

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

College of Social Work

Social Work, College of

Raymond F.

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

Social Work, College of

<i>GA: Sexual Trauma Services of the Midlands - (KP14)</i> Sexual Trauma Services of the Midlands	\$1,506
<i>GA: Emma Family Resource Center and Emma United Methodist Church - (KP13)</i> Emma Family Resource Center	\$4,518
<i>GA: SC National Association of Social Workers - (KP12)</i> SC National Association of Social Workers	\$3,012
<i>GA: Family Service Center of South Carolina - (KP11)</i> Family Service Center of South Carolina	\$3,012
<i>GA: Sylvester Management Corporation - (JP00)</i> Sylvester Management Corporation	\$1,506
<i>GA: Lexington Interfaith Community Services - (KP16)</i> Lexington Interfaith Community Services	\$6,024
<i>GA: SC Department of Mental Health - (GP03)</i> SC Department of Mental Health	\$86,860
<i>GA: Trinity Housing Corporation - (KP15)</i> Trinity Housing Corporation	\$1,406
<i>GA: Trident United Way - (KP17)</i> Trident United Way	\$15,060

Wright L.

<i>Program Evaluation Services - (FA03)</i> Richland County School District One/USDE	\$21,924
<i>Captioning and Social Service Loop Tape - (FL07)</i> SC Department of Health & Human Services/HHS	\$3,077

Darla Moore School of Business

Business Administration - Division Of Research

Markland R.

<i>GA: Lewis and Clark - (JP06)</i> Lewis and Clark	\$2,500
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Roefeldt R.

<i>GA: Mase Okura - (JP16)</i> Nexsen Pruet Jacobs & Pollards LLC	\$3,000
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Schunk D.

<i>Palmetto Economic Perspectives - (JA03)</i> The South Financial Group	\$12,500
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Business Administration - Division Of Research

Teel S.

Public Opinion Survey on Click-it or Ticket Campaign - (GA02) **\$19,598**
SC Department of Public Safety

Woodward D.

Economic Impact of the Columbia Metropolitan Airport - (JA02) **\$7,500**
Columbia Metropolitan Airport

Institute of Public Affairs

Public Affairs, Institute of

Chishom A.

Evaluation of VSAC's Youth Leadership - (FL05) **\$15,000**
National Crime Prevention Council/DOJ

*Southern Region Violence & Substance Abuse Prevention Center -
Youth Leadership Development - (FL04)* **\$97,829**
Office of Juvenile Justice/DOJ

Haddock K.

*Children's Behavioral Health Services Outcomes Pilot Project -
(KA02)* **\$28,302**
SC Dept of Health & Human Services/R.Wood Johnson Foundation

Murday D.

Supporting Innovation by Local Health Departments - (KL02) **\$500,000**
Robert Wood Johnson Foundation

Law School

Law School

Byars W.

Fatherhood Initiative - (K421) **\$24,000**
Sisters of Charity Foundation

Juvenile Justice Resource Center - (FL03) **\$170,023**
SC Department of Public Safety/DOJ

Morris C.

Legal Training for DSS Staff and Agents - (F412) **\$41,040**
SC Department of Social Services

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) **\$2,913**
SC Sea Grant Consortium/NOAA

Decho A.

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

Feigley C.

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

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

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) **\$30,264**
SC Sea Grant Consortium/NOAA

Epidemiology & Biostatistics

Mayer-Davis E.

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

Exercise Science

Davis M.

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

Pate R.

Incentives for Subjects Participating in the Trial of Activity for Adolescent Girls (11530-FA00) - (FA01) **\$2,100**
University of North Carolina/NIH

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) **\$10,800**
SC Department of Education/USDE

USC Salkehatchie
Rice A.

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

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

USC Spartanburg
Davenport B.

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

Harris C.

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

Lever L.

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

Rogers S.

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

Smith C.

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

Young A.

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

School of Medicine

Family & Preventive Medicine

Bostick R.

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

Internal Medicine

Eleazer G.

A Comprehensive Program to Strengthen Physician's Training in Geriatrics - (I100) **\$500,000**
SCRI/Donald W. Reynolds Foundation

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) **\$1,000**
AstraZeneca LP

Lin T.

A Randomized Comparator, Controlled, Double-Blinded Study of the Pioglitazone HCl versus Glyburide with Metformin and Insulin as Part of Step Therapy in Subjects with Type 2 (Non-Insulin Dependent) Diabetes - (JA02) **\$3,060**
Ingenix Pharmaceutical Services

A 24 Month, Double-Blind Multicenter Study of Zenarestat (CI1014-1) in the Treatment of Diabetic Neuropathy - (J127) **\$13,850**
Pfizer, Inc.

Omoigui N.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102) **\$1,020**
University of Texas Health Science Center/NHLBI

Microbiology & Immunology

Fox A.

Source of Chemical Markers for Bacteria in Indoor Air - (JA00) **\$222,725**
Philip Morris USA

Hunt R.

Protection of the Retina Against Oxidative Damage - (F170) **\$215,162**
National Eye Institute/NIH

Neuropsychiatry

Cuccaro M.

Studies in Autism and Related Disorders - (F167) **\$139,648**
Duke University/NIH

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) **\$10,566**
Bristol Myers Squibb Company

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