### SPONSORED PROGRAMS and RESEARCH

**March 2001**

**College of Education**

*Instruction & Teacher Education*

**Baker H.**

- *Writing Improvement Network* - (G456)
  SC EIA Select Committee
  - Amount: $271,840

**Mason J.**

- *USC Americorps - Member Support Costs* - (F442)
  SC Commission on National & Community Service/USDE
  - Amount: $102,125

- *USC AmeriCorps Member Support Costs (Match) Revenue Account* - (L415)
  Various Sources
  - Amount: $25,567

- *USC AmeriCorps OTHER Support Costs (Match) Revenue Account* - (L416)
  Various Sources
  - Amount: $81,144

**Singer J.**

- *Fostering Reflection and Building Communities for Novice Teachers* - (FA02)
  SRI International/NSF
  - Amount: $9,900

**Stephens D.**

- *The South Carolina Research Initiative: Impact on the Reading Skills and Strategies of Children in Grades K-5 and on Teacher's Reading Beliefs and Practices* - (FA01)
  US Department of Education
  - Amount: $540,732

**School Improvement Council Assistance**

**Norman J.**

- *School Improvement Council Assistance Project* - (G402)
  SC EIA Select Committee
  - Amount: $128,805

**USC Children’s Center**

**Corning L.**

- *Success by Six NAEYC Mentoring Project* - (KL00)
  Interfaith Community Services of South Carolina
  - Amount: $2,000

**College of Engineering & Information Technology**

*Chemical Engineering*

**Amiridis M.** **Van Zee J.**

- *REU Site for Materials Research in Chemical Engineering* - (FA06)
  National Science Foundation - General
  - Amount: $70,000
Chemical Engineering

Balbuena P.

- Study of Mechanisms for Capacity Design in Li-Ion Batteries - (I136) $88,987
  SCRI/Mitsubishi Chemical Corporation

- CAREER: First Principles Studies of Interfacial Phenomena:
  Applications to Catalysis and Electrochemistry - (F105) $75,000
  National Science Foundation - General

Popov B.

- To Acquire M-Cert Constant Extension Rate Test System to Study
  Hydrogen Assisted Cracking - (FQ00) $50,375
  Office of Naval Research/DOD

- Development of Electrochemical and Electroless Processes for
  Deposition of Zn-Silicate Coatings on Different Substrates to Prevent
  Corrosion and Hydrogen Embrittlement - (I135) $33,889
  SCRI/Elisha Technologies Co., LLC

VanBrunt V.

- Solid-Liquid Separation Studies for Two Mixtures of Monosodium
  Titanate with Simulated Sludge for Salt Disposition at SRS - (FA00)
  SC Universities Research & Education Foundation/DOE $468,588

Civil & Environmental Engineering

Flora J.

- Biofilm and Chlorine Residual Characteristics - (FA03) $25,000
  US Department of Agriculture

Gassman S.

- CAREER: Extending Non-Destructive Infrastructure Assessment
  Techniques to Micropile Foundation - (F138) $10,000
  National Science Foundation - General

- CAREER: Extending Non-Destructive Infrastructure Assessment
  Techniques to Micropile Foundation - (F138) $25,000
  National Science Foundation - General

Imran J.

- Modeling of Sand Transport and Deposition as Mixed Bed and
  Suspended Load in a Submarine Meandering Channel - (JA01) $10,000
  ExxonMobil Upstream Research Company

Computer Science & Engineering

Huhns M.

- GA: SC Department of Health & Environmental Control - (GP01) $9,760
  SC Department of Health & Environmental Control
Computer Science & Engineering

**Vidal J.**

*Support for Student Attendance to Autonomous Agents Conference - (FA02)*

National Science Foundation - General

$27,000

Mechanical Engineering

**Lyons J.**    **Ebert C.**

*GK-12 Engineering Fellowships to Enhance Science Education in South Carolina Schools - (FJ00)*

National Science Foundation - General

$392,298

**Rhodes C.**

*Pull Tests and Data Reduction for Latch Assemblies - (I150)*

SCRI/Hansen International, Inc.

$4,000

**Sutton M.**

*Verification and Application of a 3-D Dynamic Deformation Measurement System - (FQ00)*

US Department of the Army/DOD

$425,000

College of Journalism & Mass Communications

**Farrar R.**

*Basic Communications Training - (FL06)*

Social Security Administration

$41,040

College of Liberal Arts

**Brooks M.**

*Cultural Resource Management on the SRS - (F110)*

US Department of Energy

$595,000

**Clement C.**

*Data Recovery at 38RD628 McCrady Training Center, Fort Jackson, South Carolina - (GA01)*

Office of the Adjutant General

$80,262

Geography

**Kovacik C.**

*Center of Excellence for Geographic Education (Implementing the Geography Standards) - (GJ02)*

SC Department of Education

$8,788
History

Wilson C.

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

Institute for Southern Studies

Edgar W.

South Carolina Encyclopedia - (FA00)
SC Humanities Council/NEH
$170,235

McKissick Museum

Robertson L.

Making Faces Exhibition - (GL00)
SC Arts Commission
$7,500

Psychology

Follingstad D.

GA: Earle E. Morris Alcohol and Addiction Treatment Center - (GP01)
SC Department of Mental Health
$12,000

Mendez J.

Companion Curriculum: Connecting Head Start Parents and Teachers to Promote Early Learning - (FA02)
Administration for Children & Families - General/HHS
$237,796

Schatz J.

Palmetto Richland Advocacy Program for Youth - (KA00)
Palmetto Health Alliance
$29,584

Religious Studies

Blackburn A.

Crossing the Watershed: Buddhist Education, Devotion and Identity in Late Colonial Sri Lanka - (FA00)
National Endowment for the Humanities
$35,000

Sociology

Faust K.

Demographic Responses to a Changing Environment - (F142)
University of North Carolina/NIH
$23,870

Migration, Contraception, and Social Networks - (F146)
University of North Carolina/NIH
$20,574
Sociology
Thye S.

Doctoral Dissertation Research: Compensators and Coercion in Systems of Exchange - (FA00)
National Science Foundation - General $6,853

Theatre, Speech & Dance
Ularu N.

Costume Design for "Enricho IV" - (LL00)
Arizona State University $6,170

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

GA: Library, University Center of Greenville - (LP01)
Library, University Center of Greenville $5,687

College of Nursing
Administrative & Clinical Nursing
Herman J.

Web Based Outreach for Pregnant African-American Women - (FA00)
National Institute of Nursing Research/NIH $144,500

College of Pharmacy
Basic Pharmaceutical Sciences
Shim J.

Cannaboid Receptor Structure-Activity Relationships - (I124)
SCRI/University of Missouri/NIH $36,911

Pharmacy Practice
Reeder C.

Janssen Outcomes Research Fellowship - (J151)
Janssen Pharmaceutica, Inc. $44,469

College of Science and Math
Baruch Institute
Stanton J.

DNA Analysis of Pesticide Resistance in Marine Benthic Nematodes - (FA08)
SC Sea Grant Consortium/NOAA $59,924
Biological Sciences

DeCoursey P.

Behavioral and Neurophysiological Effects of Circadian Pacemaker (SCN) Deletion in a Wild Population of Rodents - (F170) $56,240
National Science Foundation - General

Helmuth B.

Physical Ecology of the Rocky Intertidal: Predicting Patterns in Invertebrate Body Temperatures - (F102) $20,498
National Science Foundation - General

Mousseau T.

Development and Application of Hypervariable DNA Markers (Micro-Satellites) to Issues in Red Drum Stock Enhancement - (FA10) $2,600
SC Sea Grant Consortium/NOAA

Patel R.

Regulation of Smooth Muscle Proliferation - (F198) $216,750
National Heart, Lung & Blood Institute/NIH

Spencer T.

Attenuation of Chemotherapy Induced Myelosuppression - (F169) $8,000
National Cancer Institute/NIH

Chemistry & Biochemistry

Angel M.

Synthesis and Characterization of New Flame Resistant Materials - (F139) $120,340
Federal Aviation Administration/DOT

Chen D.

Proposal to Build a Ultrahigh Vacuum System for Studying the Decomposition of Simulated CW Agents on Supported Metal Nanoparticles - (FQ00) $88,000
Army Research Office/DOD

Dawson J.

Editing: Journal of Inorganic Biochemistry - (J400) $2,833
Elsevier Science

Lebioda L.

Structural & Mechanistic Studies of FTHFs - (F187) $105,000
National Science Foundation - General

Murphy C. Little S.

REU SITE: Undergraduate Research in Nanoscience - (F186) $55,000
National Science Foundation - General
Chemistry & Biochemistry

**Shimizu K.**

*New Strategies for Improved Imprinted Polymers* - (FA05)  
National Institute of General Medical Sciences/NIH  
$175,781

**Wuthier R.**

*Role of Matrix Vesicles in Calcification* - (F171)  
National Institutes of Health  
$281,081

Geological Sciences

**Thunell R.**

*Collaborative Research: A High Resolution Study of Sea Surface Temperature Variability in the Indo-Pacific Warm Pool* - (FA06)  
National Science Foundation - General  
$91,973

Physics & Astronomy

**Lacey C.**

*Continuing Chandra Observations of the X-ray Supernovae in SN 1999em and SN 1998S* - (FA06)  
Smithsonian Institution/NASA  
$6,500

**Myhrer F. Kubodera K.**

*Theoretical Studies of Hadronic and Nuclear Dynamics* - (F134)  
National Science Foundation - General  
$13,057

College of Social Work

**Social Work, College of**

**Wright L.**

*Victim Services Professional Development* - (F428)  
Office of Justice Programs/DOJ  
$18,491

*Program Evaluation Services - Richland School District One* - (FL06)  
Richland County School District 1/USDE  
$5,760

*Parent Involvement Needs Assessment for SC Department of Education* - (GA02)  
SC Department of Education  
$4,875

Darla Moore School of Business

**Business Administration - Division Of Research**

**Markland R.**

*GA: Merrill Lynch* - (JP00)  
Merrill Lynch  
$1,000

*GA: SCT Corporation* - (J747)  
SCT Corporation  
$1,550
Business Administration - Division Of Research

Roenfeldt R.

GA: ALTEC Laundry Equipment, LLC - (JP10) $1,005
ALTEC Lalundy Equipment, LLC

Small Business Development Center

Lenti J.

SBDC - SC State - (Z495) $2,294
US Small Business Administration

SBDC - Winthrop - (Z496) $2,294
US Small Business Administration

SBDC Control Center - (F483) $1,604
US Small Business Administration

SBDC - Clemson - (Z497) $2,294
US Small Business Administration

English Program for Internationals

English Program For Internationals

Rowe A. Perkins M.

RF/NIS Professional Development Seminars and Three-Day Conference - (FJ00) $272,096
American Councils for International Education/DOS

Institute for Families in Society

Families in Society, Institute for

Floyd A.

Technical Assistance to Homeless Continua of Care in South Carolina - (1120) $5,003
SCRI/Freeman Consulting, Inc./HUD

Institute of Public Affairs

Public Affairs, Institute of

Bryan C.

Center for Bioethics - (L102) $70,000
Palmetto Health Alliance

Lind K.

Public Perceptions and Understanding of Trauma Services in South Carolina - (1111) $18,300
SCRI/SC Hospital Association
Implementation Planning for Selected Strategic Planning Goals -- TA Supplement - (KL00)  
University of Washington/Robert Wood Johnson Foundation  
$50,000

Oldendick R.  
South Carolina Outreach Prevention Education - (FA03)  
SC Department of Health & Environmental Control/CDC  
$16,800  
Evaluation of the Combating Underage Drinking Program - (F420)  
Wake Forest University/DOJ  
$11,843

Steagall C.  
Environmental Symposium 2001 - (GL05)  
Hazardous Waste Management Research Fund/SCUREF  
$38,556

Woods J.  
Center for Health Services and Policy Research - (L104)  
Palmetto Health Alliance  
$48,156

Norman J. Arnold School of Public Health  
Environmental Health Sciences  
Bernhard J.  
Benthos of the Cariaco Basin: Is the Eukaryotic Community Similar to that of the Santa Barbara Basin? - (FA09)  
National Science Foundation - General  
$68,315

Prevention Research Center  
Parra-Medina D.  
Youth Development and Empowerment: South Carolina Legacy - (KA00)  
CDC Foundation  
$143,772

Shepard D.  
Children's Oral Health Coalition Evaluation - (FL00)  
SC Department of Education/CDC  
$14,000  
Evaluation and Assessment of Delivery of Comprehensive School Health Programs - (FL01)  
SC Department of Education/CDC  
$15,000

Regional and Four-Year Campuses  
USC Aiken  
Weed K.  
Precursors of Retardation in Children with Teen Mothers - (F166)  
Notre Dame/NIH  
$39,003
USC Beaufort
Upshaw J.

Jasper County Schools/USC Beaufort Partnership - (HL01) $63,000
Jasper County School District

USC Spartanburg
Bohannan P.

Human Genetics and Graduate Nursing Education - (K134) $83,310
Carolina Piedmont Foundation

Davison F.

National Endowment for the Humanities Challenge Grant Income - (K411) $25,000
Carolina Piedmont Foundation

Gearhart R.

University Advancement Fund Raising - (KA01) $100,000
Carolina Piedmont Foundation

Newberry G.

DNA Report on State of Endangered Species Sagittaria Fasciculata and USCS Herbarium - (KA00) $1,879
Carolina Piedmont Foundation

Prince J.

Graham Foundation Computer Lab at UCG - (KQ00) $25,000
Carolina Piedmont Foundation

School of Medicine
Developmental Biology & Anatomy
Borg T.

Role of Myocardial Integrins in Ventricular Remolding - (F179) $80,734
Auburn University/NIH

Internal Medicine
Bryan C.

Midlands Care Consortium - Ryan White - (FL01) $1,497,418
SC Department of Health & Environmental Control/HHS

Gonzalez F.

Phase III Double Blind Randomized Placebo-Controlled Study of Porfiromycin When Used as an Adjuvant to Radiation Therapy in Patients with Head and Neck Cancer - (J135) $25,441
Covance Inc.
Neuropsychiatry

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

$20,154

Kress M.

The Children’s Center for Cancer and Blood Disorders - (LA00)
Palmetto Health Alliance

$47,221

Pediatrics/Center for Developmental Disabilities

Lamb L.

Apheresis Mononuclear/Stem Cell Preparations - (I100)
SCRI/American Red Cross

$164,816

Antileukemic Effect of Gamma/Delta T Cells - (FA00)
National Cancer Institute/NIH

$20,230

Surgery

Nottingham J.

Clinical Protocol for Multi-Center, Double-Blind, Randomized Study of the Efficacy and Safety of a Single Dose of IV Parecoxib Sodium Followed by Up to Seven Days of Oral Valdecoxib for the Pain Following Laparoscopic Cholecystectomy - (JA00)
Quintiles, Inc.

$7,500

Vice President for Research

EPSCoR

Little S.

Strategic Improvement Plan - (GA28)
SC Commission on Higher Education

$7,818

Grand Total

$8,709,358