SPONSORED PROGRAMS and RESEARCH
April 2000

College of Education
Education Leadership & Policies
Fidler P.
GA: College of Charleston - (L719)
College of Charleston

College of Engineering & Information
Chemical Engineering
Gadala-Maria F.
Sustainable Universities Initiative - (K112)
USC Educational Foundation/Kann Rusmussen Fdn.

Papathanasiou T.
Analysis of Composites Manufacturing Process - (F106)
Great Lakes Composites Consortium/ONR/DOD

Processing Structure - Property Interactions in RTM/RIRM -
Great Lakes Composites Consortium/ONR

Civil & Environmental Engineering
Chaudhry M.
Aggregate & Concrete QC/QA Certification of Contractors and
SCDOT Personnel Phase II: Pilot and Implementation of
Coarse Aggregate Program - (F152)
SCDOT/FHWA/USDOT

Technology Transfer Programs for Concrete QC/QA
Certification of Contractors and SCDOT Personnel - (F153)
SC Department of Transportation/FHWA/DOT

Cooper A.
Sustainable Universities Initiative - (K105)
USC Education Foundation/Kann Rasmussen Fdn.

Flora J.
Sustainable Universities Initiative - (K106)
USC Education Foundation/Kann Rasmussen Fdn.

Gribb M.
Hydraulic Conductivity Measurement in Unsaturated Soils with
a Modified Cone Penetrometer - (F121)
National Science Foundation
Mechanical Engineering

**Baxter S.**

*CAREER: Effects of Microstructural Randomness in Composite Processing - (F170)*

National Science Foundation

**$10,000**

**Khan J. Rhodes C.**

*Dynamic Testing of Celotex - (F184)*

SCUREF/WSRC/DOE

**$23,112**

**Reynolds A.**

*A Fundamental Study of Material Flow in Friction Stir Welds -*

National Aeronautic & Space Administration

**$8,207**

**Sutton M.**

*NASA Space Grant Consortium Agreement - (F147)*

College of Charleston/NASA

**$4,634**

College of Journalism & Mass Communications

*Journalism & Mass Communications, College of*

**Farrar R.**

*Basic Communications Training - (F420)*

Social Security Administration

**$37,200**

College of Liberal Arts

*Archaeology & Anthropology, Institute of*

**Clement C.**

*Archaeological Research at 38GE469, Sandy Island, SC -*

USC Educational Foundation/Sandy Island Research Prgm Fund

**$24,490**

Art

**Dunn P.**

*Teacher Technology Training - for Interactive Technology Workshop for Educators - (G403)*

SC Department of Education

**$78,000**

History

**Chesnutt D.**

*The Papers of Henry Laurens - (F175)*

National Endowment for the Humanities

**$5,000**

*The Papers of Henry Laurens - (L110)*

Lucy Hampton Bostick Charitable Trust

**$3,500**

Philosophy

**Nordmann A.**

*The Philosophical Origin & Contemporary Significance of Romanticism - (F401)*

SC Humanities Council/NEH

**$1,200**
Psychology

Linney J.
Combating Underage Drinking Project - (F143) $8,013
SC Department of Alcohol & Other Drug Abuse Services

Sociology

Faust K.
Demographic Responses to a Changing Environment - (F142) $2,310
Univ. of North Carolina/NIA/NIH

College of Library & Information Science

Library & Information Science, College of
Jefferson R.
Under the Palmetto Tree: Mapping Needs, Assets, and $74,000
Accomplishments for Lifelong Learning in South Carolina -
SC Partnership for Distance Education

College of Science and Math

Baruch Institute
Fletcher M.
Marine Science 111 Offered via Multimedia Presentation and $12,000
Teleconferencing to High Schools for Advanced Credit - (G402)
SC Commission on Higher Education

Biological Sciences

Ely B.
REU Site: Undergraduate Research in Evolutionary Biology - $46,500
National Science Foundation

Helmuth B.
Physical Ecology of the Rocky Intertidal: Predicting Patterns in $240,987
Invertebrate Body Temperatures - (F102)
National Science Foundation

Hilbihs T.
The Geographic Scale of Larval Dispersal - (F147) $112,409
National Science Foundation

Marton L.
Genetic Engineering of Heavy Metal Processing in Spartina $69,962
alterniflora - (F101)
SC Sea Grant Consortium/NOAA

Morris J.
Structure and Functions of Tidal Freshwater Wetlands on the $50,852
Cooper River, SC: Effects of Water Management on Succession,
Nutrient Cycling and Fish Habitat - (F100)
SC Sea Grant Consortium/NOAA

Nelson J.
GA(1): SC Department of Natural Resources - (G700) $3,333
SC Department of Natural Resources
**Chemistry**

**Odom J.**

*South Carolina EPSCOR Advanced Development Program - (K167)*

National Science Foundation  

$12,000

**Salvatore B.**

*Synthesis and NMR Structural Studies of C-Labeled Segments from the Leishmania Donovani LPG Polysaccharide - (K167)*

American Chemical Society

$25,000

**Geological Sciences**

**Lakshmi V.**

*Study of Land-Atmosphere Interactions Using Satellite Data Assimilation - (F181)*

National Aeronautics & Space Administration

$70,740

**Lakshmi V.**

*The Influence of Land-Atmosphere Interactions on Variability of the North American Monsoon - (F183)*

National Aeronautics & Space Administration

$50,739

*Derivation of Land Surface Soil Moisture Using L and S band Sensors - (F184)*

Jet Propulsion Laboratory/NASA

$27,910

**McGee J.**

*Electrical and Thermal Transport Properties of New and Novel Solid State Systems - (G127)*

Clemson University/CHE

$11,000

**Moore W.**

*Direct Assessment of Submarine Fluid Input to the Coastal Ocean - (F169)*

National Undersea Research Center/UNCW/NOAA

$4,000

**Talwani P.**

*Tectonic Framework and Earthquake Potential in South Carolina as Determined from Continued Operation of the South Carolina Seismic Network - (F148)*

US Geological Survey

$71,429

**Thunell R.**

*Organic Carbon Fluxes and Accumulation in Cariaco Basin - (F148)*

National Science Foundation

$116,211

**Physics & Astronomy**

**Djalali C.**

*US-France Cooperative Research: The Electro and Photoproduction of Vector Mesons at Thomas Jefferson National Accelerator Facility - (F148)*

National Science Foundation

$18,000
Johnson J.

Statewide Victim Services Case Management Database - (F147)
SC Department of Public Safety/DOJ

$100,000

Kunchur M.

Transport Behavior of Superconductors at High Dissipative Currents - (F129)
US Department of Energy

$66,000

Whisnant S.

Study of Nuclear Physics with Intermediate Energy Probes - (F129)
National Science Foundation

$236,319

Science & Math Administration

Balbuena P., Little S.

Molecular Modeling of Electrocatalysis - (G120)
SC Commission on Higher Education

$23,775

DeVore R., Little S.

Image Processing for Digital Terrain Elevation Data - (G119)
SC Commission on Higher Education

$38,253

Statistics

Padgett W.

SRCOS/ASA Summer Research Conference in Statistics,
Williamsburg, Virginia, June 2000 - (F136)
National Science Foundation

$4,000

College of Social Work

Social Work, College of

Raymond F.

GA: SCDMH - (G743)
SC Department of Mental Health

$258

GA: SC Department of Health and Human Services - (G745)
SC Department of Health and Human Services

$659

GA: SC Department of Mental Health - (G747)
SC Fair Share

$3,014

GA (4): Center for Community Health - (H719)
Town of Kershaw

$14,056

GA (1): Jewish Family Services - (K765)
Jewish Family Services

$1,506
Darla Moore School of Business  
*Business Administration - Division of Research*

**Markland R.**  
GA(2): Center for Selection and Enhanced Performance -  
Fort Jackson/US Army/DOD  
$5,000

**Shuptrine K.**  
GA (1): MADD of South Carolina - (K709)  
MADD of South Carolina  
$4,618

**Small Business Development Center**  
**Lenti J.**  
SBDC USC Regional Office - (F484)  
Small Business Administration  
$2,294

**Earth Sciences & Resources Institute**  
*Earth Sciences & Resources Institute*

**Owensby B.**  
Alternatives to Landfilling Fuji-Greenwood's Film Waste -  
SCRI/Fuji Greenwood  
$3,754

**Robinson C.**  
ISO 9001 Pre-assessment - (I199)  
SCRI/Acrotech Plastics Group  
$600

**Shafer J.**  
Application of Geophysical Techniques to Site Characterization and 3D Visualization - (F137)  
Argonne National Lab/DOE  
$134,862

**Institute for Families in Society**  
*Families in Society, Institute for*

**Flerx V.**  
Early Childhood Home Visiting in South Carolina - (F147)  
Clemson University/HHS  
$10,000

**Lopez-DeFede A.**  
Children with Special Health Care Needs Assessment - (F140)  
SC Department of Health & Environmental Control  
$7,783

**Songer N.**  
Executive Policy Seminar Series - (G404)  
SC Department of Social Services  
$20,000

**Institute of Public Affairs**  
*Public Affairs, Institute of*

**Chishom A.**  
National Crime Prevention Council/National Youth Network Contract - (I105)  
SCRI/National Crime Prevention Council  
$195,000
Woods J.
Participation in the SC Traumatic Brain Injury Registry and Follow-up System - (F425) $12,989
Centers for Disease Control/HHS

School of Medicine
Family & Preventive Medicine
McDermott S.
Family Support Project - (F107) $7,000
SC Department of Disabilities & Special Needs/HHS

Internal Medicine
Bryan C.
Women's Resource Center: Focus on Prevention - (G400) $4,000
SC Department of Alcohol & Other Drug Abuse Services

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 - Zenca Pharmaceuticals $1,500

IGIV-C 10% Rapid Infusion Trial in Idiopathic (Immune) Thrombocytopenic Purpura (ITP) - (J138) $1,000
Bayer Corporation

Gonzalez R.
Phase II Study of Cetuximab Anti-Epidermal Growth Factor Receptor (EGFr) Antibody in Combination with Chemotherapy in Patients with Metastatic or Recurrent Squamous Cell Head and Neck Carcinoma - (J137) PharmaNet, Inc. $7,560

Medicine - Development Office
Fowler S.
SCCC Undergraduate Research Training Program - (H101) $140,000
Palmetto Richland Memorial Hospital

Neuropsychiatry
Cuccaro M.
Studies in Autism and Related Disorders - (F167) $50,000
Duke University/NIH

Goldman C.
Public Psychiatry Program - (G419) $45,004
SC Department of Mental Health

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) $6,480
Bristol-Myers Squibb Company
Pediatrics/Center for Developmental Disabilities
  Rivers D.
  SCSIS Web Access Project - (K402) $60,100
  Sisters of Charity Foundation of SC

School of Public Health
  Environmental Health Sciences
  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 - (F167) $30,439
  SC Sea Grant Consortium/NOAA

  Epidemiology and Biostatistics
  Hebert J.
  Quasi-Prospective Study of Breast Cancer and Diet - (F111) $41,800
  US Department of the Army

  Mayer-Davis E.
  Multi-Ethnic Study of Atherosclerosis (MESA) - Diet Assessment Center - (I100) $74,609
  Univ. of Washington/NIH

  Weinrich S.
  Collaborative Recruitment Centers for African American Hereditary Prostate Cancer - (F101) $30,000
  Wayne State Univ./Howard Univ./NHGRI/NIH

Exercise Science
  Pate R.
  Environmental Determinants of Physical Activity in Pre-School Children (Phase I) - (J123) $139,680
  Gerber Products Company

Health Administration
  Glover S.
  GA: (1) Lexington Open MRI - (J799) $2,500
  Lexington Open MRI

School of the Environment
  School of the Environment
  Coull B.
  Sustainable Universities Initiative - (K101) $350,000
  USC Edu Fdn/Kann Rasmussen Fdn

South Carolina College
  South Carolina College
  Sederberg P.
  GA(1): Center for Selection, Wellness and Enhanced Programs - (F700) $1,326
  Fort Jackson/US Army/DOD
Stiver J.

Junior Scholars Program: Adventures in Creativity - (G411)
SC Department of Education $7,500

University and Four-Year Campuses

Aiken

Rhodes L.

Sustainable Universities Initiative - (K118)
USC Educational Foundation/Kann Rasmussen Fdn $1,400

Weed K.

Precursors of Retardation in Children with Teen Mothers -
University of Notre Dame/NIH $38,003

Beaufort

Burk E.

USC Beaufort Student and Faculty Exhibition - (H402)
Arts Council of Beaufort County $500

Corliss L.

USC Beaufort Center for Coastal Ecology Conservation Project - (K405)
Turner Foundation, Inc. $50,000

Salkehatchie

Carmichael A.

Salkehatchie Summer Scholar Program - (K404)
Gaylord & Dorothy Donnelley Foundation $33,000

Spartanburg

Connelly B.

JM Smith Computer Lab - (K325)
Carolina Piedmont Foundation $300

CPF Classroom Modernization - (K326)
Carolina Piedmont Foundation $191

Smith Computer Lab for Arts and Sciences - (K428)
Carolina Piedmont Foundation $16,000

Cook J.

The Saturday Academy - (K119)
Carolina Piedmont Foundaiton $25,000

Lever L.

Shared Polymer Characterization Instruments for an Extended Physical Chemistry Laboratory - (LI03)
Converse/Wofford College $9,044
Turner J.

Cowpens Water Quality Study - (F110) $1,000
National Park Service/DOI

Microbiobial Study - (L101) $1,190
Milliken

Grand Total $3,636,952