

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings

Received During January, 2003

C.T. BAUER COLLEGE OF BUSINESS

Small Business Development Center

Investigator: Mr. Frederick Young, 100.00%
Cost Center: G086611 / 5013 / H0053 / C0001
Title: Small Business Development Center
Agency: U.S. Small Business Administration
Agency Code: USS000
Revenue Source Code: 500
Duration: 10/1/2002 to 9/30/2003
Award Amount: \$1,613,452.00
Type of Support: Co-Op Agreement for Public Service
CFDA: 59.037 - Small Business Development Center
CB Designation: Non Research

Investigator: Mr. Frederick Young, 100.00%
Cost Center: G086371 / 5013 / H0053 / C0001
Title: DOD PTA Cooperative Agreement Program
Agency: Defense Logistics Agency
Agency Code: DOD403
Revenue Source Code: 500
Duration: 10/1/2002 to 9/30/2003
Award Amount: \$150,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 12.002 - Procurement Technical Assistance for Business Firms
CB Designation: Non Research

COLLEGE OF EDUCATION

Consistency Mgmt and Coop Disc

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G087345 / 5021 / H0063 / B0001
Title: CMCD/Project GRAD USA Conference Support Account
Agency: Project Grad - USA
Agency Code: 4PGX09
Revenue Source Code: 800
Duration: 12/1/2002 to 1/31/2003
Award Amount: \$4,613.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

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Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G087346 / 5021 / H0063 / B0001
Title: CMCD - New Teacher Institute for Atlantic Public Schools
Agency: Project Grad - Atlanta
Agency Code: 4PGX05
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$203,146.88
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

Curriculum and Instruction

Investigator: Dr. Sara G. McNeil, 100.00%
Cost Center: G086630 / 5016 / H0062 / B0001
Title: Technology Education Careers for High Schools
Agency: Texas Telecommunications Infrastructure Fund Board
Agency Code: 1TTI00
Revenue Source Code: 600
Duration: 8/30/2002 to 3/31/2004
Award Amount: \$500,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Texas Center for University School Partnerships

Investigator: Dr. W. Robert Houston, 100.00%
Cost Center: G085637 / 5021 / H0059 / B0001
Title: Bright Beginnings - Evaluation
Agency: United Way of the Texas Gulf Coast
Agency Code: 4UWAY2
Revenue Source Code: 800
Duration: 10/1/2001 to 12/31/2003
Award Amount: \$30,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Arte Publico Press

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Received During January, 2003

Investigator: Dr. Nicolas Kanellos, 100.00%
Cost Center: G086287 / 5014 / H0093 / C0001
Title: General Assistance Program - General Operating Support
Agency: Cultural Arts Council of Houston and Harris County
Agency Code: 4CAC00
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$64,632.00
Type of Support: Grant for Public Service
CFDA:
CB Designation: Non Research

Investigator: Dr. Nicolas Kanellos, 100.00%
Cost Center: G087056 / 5022 / H0093 / B0001
Title: Recovering the U.S. Hispanic Literary Heritage in High School Curriculum
Agency: Rockefeller Foundation
Agency Code: 6RFF00
Revenue Source Code: 800
Duration: 1/1/2003 to 12/31/2003
Award Amount: \$65,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Blaffer Gallery

Investigator: Ms. Terrie Sultan, 100.00%
Cost Center: G086305 / 5017 / H0097 / C0001
Title: Cultural Arts Council GAPO
Agency: Cultural Arts Council of Houston and Harris County
Agency Code: 4CAC00
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$23,912.00
Type of Support: Grant for Public Service
CFDA:
CB Designation: Non Research

Investigator: Ms. Terrie Sultan, 100.00%
Cost Center: G085970 / 5014 / H0097 / B0001
Title: Texas Commission on the Arts: Curatorial Apprentice
Agency: Texas Commission on the Arts
Agency Code: 1CAH00
Revenue Source Code: 600
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$3,049.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

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Received During January, 2003

Investigator: Ms. Terrie Sultan, 100.00%
Cost Center: G085968 / 5014 / H0097 / B0001
Title: Exhibit Support - Jane Hammond
Agency: Texas Commission on the Arts
Agency Code: 1CAH00
Revenue Source Code: 600
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$3,854.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

Investigator: Ms. Terrie Sultan, 100.00%
Cost Center: G085971 / 5014 / H0097 / B0001
Title: UH Reach Arts Education
Agency: Texas Commission on the Arts
Agency Code: 1CAH00
Revenue Source Code: 600
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$4,898.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

Investigator: Ms. Terrie Sultan, 100.00%
Cost Center: G085969 / 5016 / H0097 / B0001
Title: Mads Gamdrup
Agency: Texas Commission on the Arts
Agency Code: 1CAH00
Revenue Source Code: 600
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$2,954.00
Type of Support: Contract for Research
CFDA:
CB Designation: Non Research

Communication Disorders

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G005261 / 5022 / H0087 / B0001
Title: United Way Support for Service Delivery in the University of Houston Speech, Language and Hearing Clinic
Agency: United Way Clinic Service and Sales
Agency Code: 4UWAY4
Revenue Source Code: 800
Duration: 1/1/2001 to 12/31/2003
Award Amount: \$7,053.81
Type of Support: Grant for Research
CFDA:
CB Designation: Non Research

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Chemistry

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Received During January, 2003

Investigator: Dr. Allan J. Jacobson, 50.00%
Cost Center: G083293 / 5013 / H0248 / B0001
Title: Synthesis of Metal Oxides with Open-Framework Structures
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 1/1/2002 to 12/31/2003
Award Amount: \$72,500.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Geosciences

Investigator: Dr. Kurt Marfurt, 25.00%
Cost Center: G004061 / 5022 / H0243 / B0001
Title: Three-Dimensional Acquisition Processing and Interpretations
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 2/1/1984 to 8/31/2003
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Investigator: Dr. Hua-Wei Zhou, 25.00%
Cost Center: G004061 / 5022 / H0243 / B0001
Title: Three-Dimensional Acquisition Processing and Interpretations
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 2/1/1984 to 8/31/2003
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

COLLEGE OF OPTOMETRY

Optometry

Investigator: Dr. Yuzo M. Chino, 100.00%
Cost Center: G000102 / 5013 / H0113 / B0001
Title: Amblyopia
Agency: National Eye Institute
Agency Code: HEW402
Revenue Source Code: 500
Duration: 12/1/1998 to 11/30/2003
Award Amount: \$336,188.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

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COLLEGE OF PHARMACY

Pharmacological and Pharmaceutical Sciences

Investigator: Dr. Russell Lewis, 100.00%
Cost Center: G086782 / 5021 / H0118 / B0001
Title: In Vitro Pharmacodynamic Studies of Voriconazole Itraconazole and Amphotericin B Antifungal Activity and
Agency: Ferris State University
Agency Code: 7FEU00
Revenue Source Code: 800
Duration: 10/22/2002 to 10/21/2004
Award Amount: \$29,700.00
Type of Support: Special Research Agreement for Research
CFDA:
CB Designation: Restricted Research

CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

Investigator: Dr. Demetre J. Economou, 100.00%
Cost Center: G005104 / 5013 / H0067 / B0001
Title: Non-Local Electron Transport In Inductively Coupled Plasmas
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 11/1/2000 to 10/31/2003
Award Amount: \$115,425.00
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

Investigator: Dr. Demetre J. Economou, 50.00%
Cost Center: G086400 / 5013 / H0067 / B0001
Title: Adaptive Design of Experiments for Optimal Uniformity in Semiconductor Manufacturing
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 1/1/2003 to 12/31/2003
Award Amount: \$54,960.50
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

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Received During January, 2003

Investigator: Dr. Michael Harold, 100.00%
Cost Center: G086248 / 5019 / H0067 / B0001
Title: Evaluation and Testing of Emission Control Devices for Diesel Exhaust Abatement
Agency: City of Houston, Texas
Agency Code: 2CTY00
Revenue Source Code: 700
Duration: 8/14/2002 to 8/13/2007
Award Amount: \$182,400.00
Type of Support: Contract for Research
CFDA: 93.853 - Clinical Research Related to Neurological Disorders
CB Designation: Restricted Research

Investigator: Dr. Michael Harold, 100.00%
Cost Center: G082865 / 5022 / H0067 / B0001
Title: Shape Selective Pneumatic Membrane Reactor for Enhanced Conversion and Yield in Equilibrium-Limited Se
Agency: Petroleum Research Fund
Agency Code: 4PRF00
Revenue Source Code: 800
Duration: 7/1/2001 to 8/31/2003
Award Amount: \$30,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Michael Nikolaou, 50.00%
Cost Center: G086400 / 5013 / H0067 / B0001
Title: Adaptive Design of Experiments for Optimal Uniformity in Semiconductor Manufacturing
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 1/1/2003 to 12/31/2003
Award Amount: \$54,960.50
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

Investigator: Dr. Peter Vekilov, 100.00%
Cost Center: G087370 / 5013 / H0067 / B0001
Title: Determination of the Solubility of Insulin Crystals
Agency: Rice University
Agency Code: 7RIC00
Revenue Source Code: 800
Duration: 5/15/2002 to 8/15/2002
Award Amount: \$2,950.00
Type of Support: Grant for Research
CFDA: 93.879 - Medical Library Assistance
CB Designation: Restricted Research

Civil Engineering

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
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Received During January, 2003

Investigator: Dr. William G. Rixey, 100.00%
Cost Center: G086613 / 5022 / H0068 / B0001
Title: Mobility Limits for Crude Oils in Vadose Zone Soils
Agency: American Petroleum Institute
Agency Code: 4API00
Revenue Source Code: 800
Duration: 9/6/2002 to 8/31/2003
Award Amount: \$32,147.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Electrical Engineering

Investigator: Dr. Ben H. Jansen, 100.00%
Cost Center: G087183 / 5015 / H0070 / B0001
Title: Elastography: Clinical and Basic Science
Agency: University of Texas Health Science Center at Houston
Agency Code: 1UTX11
Revenue Source Code: 600
Duration: 10/7/2002 to 1/7/2003
Award Amount: \$9,761.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Periklis Y. Ktonas, 100.00%
Cost Center: G087186 / 5015 / H0070 / B0001
Title: MRI and Spectroscopic Imaging
Agency: University of Texas Health Science Center at Houston
Agency Code: 1UTX11
Revenue Source Code: 600
Duration: 9/16/2002 to 7/31/2003
Award Amount: \$21,692.00
Type of Support: Grant for Research
CFDA: 93.853 - Clinical Research Related to Neurological Disorders
CB Designation: Restricted Research

Investigator: Ms. Jennifer Madsen, 100.00%
Cost Center: G087188 / 5013 / H0070 / H0001
Title: Graduate Research Fellowship Program Jennifer Masden
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 8/15/2002 to 7/31/2007
Award Amount: \$32,000.00
Type of Support: Grant for Scholarship/Fellowship
CFDA: 47.076 - Education and Human Resources
CB Designation: Non Research

Mechanical Engineering

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
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Received During January, 2003

Investigator: Dr. Gangbing Song, 100.00%
Cost Center: G087107 / 5013 / H0073 / B0001
Title: Innovative Use of Smart Materials in Aircraft Engine System and Components-Control and Experimental Issu
Agency: National Aeronautics and Space Administration - Glenn Research Center
Agency Code: NAS101
Revenue Source Code: 500
Duration: 12/1/2002 to 11/30/2003
Award Amount: \$68,750.00
Type of Support: Grant for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

DIVISION OF RESEARCH

Allied Geophysical Laboratories

Investigator: Dr. Kurt Marfurt, 25.00%
Cost Center: G004061 / 5022 / H0243 / B0001
Title: Three-Dimensional Acquisition Processing and Interpretations
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 2/1/1984 to 8/31/2003
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Investigator: Dr. Hua-Wei Zhou, 25.00%
Cost Center: G004061 / 5022 / H0243 / B0001
Title: Three-Dimensional Acquisition Processing and Interpretations
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 2/1/1984 to 8/31/2003
Award Amount: \$6,250.00
Type of Support: Contract for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Materials Research Science and Engineering Center

Investigator: Dr. Allan J. Jacobson, 50.00%
Cost Center: G083293 / 5013 / H0248 / B0001
Title: Synthesis of Metal Oxides with Open-Framework Structures
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 1/1/2002 to 12/31/2003
Award Amount: \$72,500.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

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Investigator: Dr. James Meen, 50.00%
Cost Center: G000224 / 5013 / H0247 / B0001
Title: National Park Service
Agency: U.S. Department of the Interior
Agency Code: INT000
Revenue Source Code: 500
Duration: 9/2/1997 to 9/2/2003
Award Amount: \$15,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 15.923 - National Center for Preservation Technology and Training
CB Designation: Restricted Research

Space Vacuum Epitaxy Center

Investigator: Dr. Pen-Chu Chou, 100.00%
Cost Center: G084100 / 5022 / H0245 / B0001
Title: Development of MOCVD Coated Conductor HTS Wire
Agency: Metal Oxide Technologies, Inc
Agency Code: 3MET00
Revenue Source Code: 800
Duration: 10/15/2000 to 10/31/2003
Award Amount: \$136,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Texas Center for Superconductivity at UH

Investigator: Dr. James Meen, 50.00%
Cost Center: G000224 / 5013 / H0247 / B0001
Title: National Park Service
Agency: U.S. Department of the Interior
Agency Code: INT000
Revenue Source Code: 500
Duration: 9/2/1997 to 9/2/2003
Award Amount: \$15,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 15.923 - National Center for Preservation Technology and Training
CB Designation: Restricted Research

VICE PRESIDENT FOR STUDENT AFFAIRS

Learning Support Services

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
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Received During January, 2003

Investigator: Ms. Angelina C. Grindon, 100.00%
Cost Center: G087035 / 5022 / H0221 / B0001
Title: Families Count
Agency: DePelchin Children's Center
Agency Code: 4DEP00
Revenue Source Code: 800
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$26,719.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Total Federal	\$2,600,736.00
Total State	\$546,208.00
Total Local	\$182,400.00
Total Other	\$680,873.69
TOTAL THIS MONTH	\$4,010,217.69