

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

Received During November, 2002

C.T. BAUER COLLEGE OF BUSINESS

Small Business Development Center

Investigator: Mr. Frederick Young, 100.00%
Cost Center: G001084 / 5013 / H0053 / A0001
Title: Small Business Development and Computer Courses for Metro's Vendors
Agency: Metropolitan Transit Authority
Agency Code: 2MTA00
Revenue Source Code: 700
Duration: 2/1/1998 to 9/24/2000
Award Amount: \$11,963.00
Type of Support: Grant for Instruction
CFDA: 20.502 - Federal Transit Grants for University Research and Training
CB Designation: Non Research

COLLEGE OF ARCHITECTURE

Architecture

Investigator: Mr. Bruce C. Webb, 100.00%
Cost Center: G086038 / 5016 / H0025 / C0001
Title: Summer Discovery
Agency: Texas Commission on the Arts
Agency Code: 1CAH00
Revenue Source Code: 600
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$3,907.00
Type of Support: Contract for Public Service
CFDA:
CB Designation: Non Research

COLLEGE OF EDUCATION

Consistency Mgmt and Coop Disc

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G087100 / 5021 / H0063 / B0001
Title: CMCD/Project GRAD-Newark SLT II Malcolm X Shabazz K-8 School (year 3) and Malcolm X Shabazz Hi
Agency: Project GRAD - Newark
Agency Code: 4PGX01
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$10,087.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Curriculum and Instruction

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Received During November, 2002

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G087220 / 5021 / H0063 / B0001
Title: CMCD/Project GRAD USA on Behalf of Akron Buchtel Feeder Pattern Elementary Schools (Start-Up)
Agency: Project GRAD
Agency Code: 4PGX00
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$64,594.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G087102 / 5021 / H0063 / B0001
Title: Project GRAD/Knoxville-Fulton/Austin East Feeder Pattern Middle Schools (Start-Up/Year 1)
Agency: Project GRAD - Knoxville Elementary Schools
Agency Code: 4PGX07
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$95,109.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G087099 / 5021 / H0062 / B0001
Title: CMCD/Project GRAD-Newark SLT I Central K-8 Schools
Agency: Project GRAD - Newark
Agency Code: 4PGX01
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$13,938.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. W. Robert Houston, 100.00%
Cost Center: G087071 / 5022 / H0062 / B0001
Title: Tejano Center for Community Concerns
Agency: Tejano Center for Community Concerns
Agency Code: 4TEJ00
Revenue Source Code: 800
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$60,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Doris Williams-Smith, 100.00%
Cost Center: G087211 / 5013 / H0062 / B0001
Title: Preparing for the New Texas 4-8 Certification: Teacher Recruitment and Preparation for Culturally and Lingu
Agency: University of New Orleans - Great Cities Universities
Agency Code: 7NOU01
Revenue Source Code: 800
Duration: 10/1/2001 to 12/15/2002
Award Amount: \$21,999.60
Type of Support: Contract for Research
CFDA: 84.298 - Innovative Education Program Strategies
CB Designation: Restricted Research

Investigator: Dr. Doris Williams-Smith, 100.00%
Cost Center: G085923 / 5013 / H0062 / B0001
Title: Identifying Factors Related to Urban Middle School Teacher Effectiveness
Agency: University of New Orleans - Great Cities Universities
Agency Code: 7NOU01
Revenue Source Code: 800
Duration: 9/1/2001 to 12/15/2002
Award Amount: \$10,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Anthropology

Investigator: Dr. Kenneth L. Brown, 100.00%
Cost Center: G087076 / 5016 / H0121 / B0001
Title: Processing, Analysis, and Reporting on the Artifact Collections from the Levi Jordan Plantation
Agency: Texas Parks and Wildlife
Agency Code: 1TPW00
Revenue Source Code: 600
Duration: 11/13/2002 to 12/31/2003
Award Amount: \$124,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Communication Disorders

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G087089 / 5019 / H0087 / C0001
Title: MHMRA-Speech/Language/Hearing Evaluations/Family Support/Audiological Services
Agency: Mental Health Mental Retardation Authority
Agency Code: 2HCMH0
Revenue Source Code: 700
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$4,120.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2002

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 12/31/2002
Award Amount: \$24,605.90
Type of Support: Grant for Research
CFDA:
CB Designation: Non Research

KUHF-FM

Investigator: Mr. John M. Proffitt, 50.00%
Cost Center: G087146 / 5022 / H0018 / C0001
Title: Radio Community Service Grant-FY 2003
Agency: Corporation for Public Broadcasting
Agency Code: 4PBS01
Revenue Source Code: 800
Duration: 10/1/2002 to 9/30/2004
Award Amount: \$180,756.00
Type of Support: Grant for Public Service
CFDA:
CB Designation: Non Research

Investigator: Ms. Georgeann Smith, 50.00%
Cost Center: G087146 / 5022 / H0018 / C0001
Title: Radio Community Service Grant-FY 2003
Agency: Corporation for Public Broadcasting
Agency Code: 4PBS01
Revenue Source Code: 800
Duration: 10/1/2002 to 9/30/2004
Award Amount: \$180,756.00
Type of Support: Grant for Public Service
CFDA:
CB Designation: Non Research

Psychology

Investigator: Dr. H. Julia Hannay, 100.00%
Cost Center: G086695 / 5021 / H0125 / B0001
Title: Graduate Student Placement in the Field of Neuropsychology
Agency: Baylor College of Medicine
Agency Code: 7BAY00
Revenue Source Code: 800
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$20,026.80
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Chris Schatschneider, 20.00%
Cost Center: G083880 / 5021 / H0288 / B0001
Title: Preventing Reading Difficulties through Intervention
Agency: University of Albany, SUNY
Agency Code: 7UAL00
Revenue Source Code: 800
Duration: 9/25/2001 to 8/31/2002
Award Amount: \$3,624.60
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Chemistry

Investigator: Dr. Rigoberto Advincula, 100.00%
Cost Center: G086898 / 5013 / H0107 / B0001
Title: Polymer Brushes: From Synthesis to Functional Microstructures
Agency: U.S. Army Research Office
Agency Code: DOD201
Revenue Source Code: 500
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$8,000.00
Type of Support: Grant for Research
CFDA: 12.114 - Collaborative Research and Development
CB Designation: Restricted Research

Investigator: Dr. John L. Bear, 100.00%
Cost Center: G000509 / 5013 / H0107 / H0001
Title: Houston Alliance for Minority Participation Project
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 10/1/1999 to 3/31/2004
Award Amount: \$1,000,000.00
Type of Support: Co-Op Agreement for Scholarship/Fellowship
CFDA: 47.076 - Education and Human Resources
CB Designation:

Investigator: Dr. Shiv Halasyamani, 100.00%
Cost Center: G005237 / 5013 / H0107 / B0001
Title: CAREER: The Synthesis and Characterization of New Ferroelectric-Second-Harmonic Generating Oxide Mat
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/15/2001 to 2/29/2004
Award Amount: \$109,303.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Anthony Haymet, 17.00%
Cost Center: G086430 / 5013 / H0246 / B0001
Title: Development of Joint Multi-Pollutant Air Quality Modeling Facilities and Air Monitoring Stations
Agency: U.S. Environmental Protection Agency
Agency Code: EPA000
Revenue Source Code: 500
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$595,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 66.500 - Environmental Protection - Consolidated Research
CB Designation: Restricted Research

Computer Science

Investigator: Dr. George Zouridakis, 100.00%
Cost Center: G086953 / 5013 / H0108 / B0001
Title: Targeted Assessment of Antiangiogenic Therapy
Agency: University of Texas Health Science Center at Houston
Agency Code: 1UTX11
Revenue Source Code: 600
Duration: 9/1/2002 to 12/31/2002
Award Amount: \$22,691.20
Type of Support: Contract for Research
CFDA: 93.397 - Cancer Centers Support Grants
CB Designation: Restricted Research

Geosciences

Investigator: Dr. K. Bissada, 100.00%
Cost Center: G086463 / 5022 / H0109 / B0001
Title: Fiscal Year 2002 Research Service Addenda
Agency: ChevronTexaco
Agency Code: 3TXI01
Revenue Source Code: 800
Duration: 1/1/2002 to 12/31/2003
Award Amount: \$87,389.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. K. Bissada, 100.00%
Cost Center: G086577 / 5022 / H0109 / B0001
Title: Addenda to Master REsearch Services Agreement With Conoco
Agency: Conoco Corporation
Agency Code: 3CON01
Revenue Source Code: 800
Duration: 6/4/2002 to 6/3/2003
Award Amount: \$600.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. K. Bissada, 100.00%
Cost Center: G085826 / 5022 / H0109 / B0001
Title: Addenda to Master Research Services Agreement Effective December 4, 2001
Agency: Anadarco Petroleum Corporation
Agency Code: 3APC00
Revenue Source Code: 800
Duration: 10/1/2001 to 9/18/2003
Award Amount: \$34,005.00
Type of Support: Special Research Agreement for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. K. Bissada, 100.00%
Cost Center: G083947 / 5022 / H0109 / B0001
Title: Addenda to Master Research Services Agreement Effective September 19, 2001
Agency: Baseline DGSI
Agency Code: 3BDL00
Revenue Source Code: 800
Duration: 9/19/2001 to 9/18/2003
Award Amount: \$4,165.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Daewon Byun, 17.00%
Cost Center: G086430 / 5013 / H0246 / B0001
Title: Development of Joint Multi-Pollutant Air Quality Modeling Facilities and Air Monitoring Stations
Agency: U.S. Environmental Protection Agency
Agency Code: EPA000
Revenue Source Code: 500
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$595,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 66.500 - Environmental Protection - Consolidated Research
CB Designation: Restricted Research

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

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Received During November, 2002

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

Mathematics

Investigator: Dr. Jiwen He, 16.00%
Cost Center: G086430 / 5013 / H0246 / B0001
Title: Development of Joint Multi-Pollutant Air Quality Modeling Facilities and Air Monitoring Stations
Agency: U.S. Environmental Protection Agency
Agency Code: EPA000
Revenue Source Code: 500
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$560,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 66.500 - Environmental Protection - Consolidated Research
CB Designation: Restricted Research

Physics

Investigator: Dr. Alexandre Freundlich, 15.00%
Cost Center: G086628 / 5013 / H0245 / B0001
Title: The Characterization of Silicon Material for Lunar Solar Cell Fabrication
Agency: In-Space Propulsion, Inc.
Agency Code: 3ISP00
Revenue Source Code: 800
Duration: 6/9/2000 to 12/31/2000
Award Amount: \$2,400.00
Type of Support: Contract for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Michael Gorman, 50.00%
Cost Center: G000399 / 5013 / H0112 / B0001
Title: Experiments, Analysis and Visualization of the Spatiotemporal Dynamics of Premixed Flames
Agency: U.S. Navy Office of Naval Research
Agency Code: DOD301
Revenue Source Code: 500
Duration: 10/1/1999 to 9/30/2003
Award Amount: \$62,398.00
Type of Support: Grant for Research
CFDA: 12.300 - Basic and Applied Scientific Research
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Gemunu H. Gunaratne, 50.00%
Cost Center: G000399 / 5013 / H0112 / B0001
Title: Experiments, Analysis and Visualization of the Spatiotemporal Dynamics of Premixed Flames
Agency: U.S. Navy Office of Naval Research
Agency Code: DOD301
Revenue Source Code: 500
Duration: 10/1/1999 to 9/30/2003
Award Amount: \$62,398.00
Type of Support: Grant for Research
CFDA: 12.300 - Basic and Applied Scientific Research
CB Designation: Restricted Research

Investigator: Dr. Ed V. Hungerford, 100.00%
Cost Center: G005277 / 5013 / H0112 / B0001
Title: Prototyping the Tracking Chamber, Front-End Electronics, and the Data Acquisition System (MECO R & D)
Agency: University of California - Irvine
Agency Code: 7CAL80
Revenue Source Code: 800
Duration: 5/1/2001 to 4/30/2003
Award Amount: \$53,794.00
Type of Support: Contract for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Investigator: Dr. Jianhua Li, 100.00%
Cost Center: G086494 / 5013 / H0112 / B0001
Title: X-Ray Studies of Ordering Phenomena in Ternary III-V Semiconductor Alloy Films
Agency: National Renewable Energy Lab
Agency Code: 4NRE00
Revenue Source Code: 800
Duration: 9/20/2002 to 9/19/2003
Award Amount: \$30,000.77
Type of Support: Contract for Research
CFDA: 81.114 - University Nuclear Science and Reactor Support (B)
CB Designation: Restricted Research

Investigator: Dr. Nai-Juan Wu, 15.00%
Cost Center: G005278 / 5022 / H0245 / B0001
Title: Electrically Variable Resistive Memory
Agency: Sharp Laboratories of America, Inc.
Agency Code: 3SLA00
Revenue Source Code: 800
Duration: 4/1/2001 to 10/14/2003
Award Amount: \$34,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF OPTOMETRY

Optometry

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Division of Research
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Received During November, 2002

Investigator: Dr. Laura J. Frishman, 100.00%
Cost Center: G002726 / 5013 / H0113 / B0001
Title: Measure of Receptor and Postreceptor Activity
Agency: Columbia University
Agency Code: 7COL00
Revenue Source Code: 800
Duration: 5/3/1999 to 4/30/2003
Award Amount: \$41,948.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

Investigator: Dr. Ruth E. Manny, 100.00%
Cost Center: G086381 / 5013 / H0113 / B0001
Title: Collaborative Longitudinal Evaluation of Ethnicity and Refractive Error
Agency: Ohio State University Research Foundation
Agency Code: 6OSU04
Revenue Source Code: 800
Duration: 7/1/2002 to 6/30/2003
Award Amount: \$327,692.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

COLLEGE OF PHARMACY

Clinical Sciences and Administration

Investigator: Dr. Kevin Garey, 78.00%
Cost Center: G086766 / 5022 / H0118 / B0001
Title: Clinical, Microbiological, and Economic Outcomes of ICU Patients with Invasive Fungal Infections:
Agency: Merck & Co. Inc.
Agency Code: 3MER00
Revenue Source Code: 800
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$46,800.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Russell Lewis, 5.00%
Cost Center: G086766 / 5022 / H0118 / B0001
Title: Clinical, Microbiological, and Economic Outcomes of ICU Patients with Invasive Fungal Infections:
Agency: Merck & Co. Inc.
Agency Code: 3MER00
Revenue Source Code: 800
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$3,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Melinda Neuhauser, 17.00%
Cost Center: G086766 / 5022 / H0118 / B0001
Title: Clinical, Microbiological, and Economic Outcomes of ICU Patients with Invasive Fungal Infections:
Agency: Merck & Co. Inc.
Agency Code: 3MER00
Revenue Source Code: 800
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$10,200.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

CULLEN COLLEGE OF ENGINEERING

Center for Reliability of Ceramics

Investigator: Dr. Lewis T. Wheeler, 25.00%
Cost Center: G086279 / 5022 / H0073 / B0001
Title: Scale -Up of Ceramic Composite Components for Advanced Mining and Aerospace Applications
Agency: Valvtechnologies, Inc.
Agency Code: 3VTI00
Revenue Source Code: 800
Duration: 1/1/2000 to 12/31/2003
Award Amount: \$2,750.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Kenneth W. White, 25.00%
Cost Center: G086279 / 5022 / H0073 / B0001
Title: Scale -Up of Ceramic Composite Components for Advanced Mining and Aerospace Applications
Agency: Valvtechnologies, Inc.
Agency Code: 3VTI00
Revenue Source Code: 800
Duration: 1/1/2000 to 12/31/2003
Award Amount: \$2,750.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Chemical Engineering

Investigator: Dr. Demetre J. Economou, 100.00%
Cost Center: G086738 / 5013 / H0067 / B0001
Title: Sheath Structure and Flux, Energy and Angular Distributions of Ions over Topographical Features in Plasma
Agency: National Institute of Standards and Technology
Agency Code: NIS000
Revenue Source Code: 500
Duration: 9/1/2002 to 8/31/2003
Award Amount: \$74,945.00
Type of Support: Grant for Research
CFDA: 11.612 - Advanced Technology Program
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Dan Luss, 100.00%
Cost Center: G001978 / 5022 / H0067 / B0001
Title: Control of Patterned States in Chemical Reactor
Agency: United States Israel Binational Science Foundation
Agency Code: 6USI00
Revenue Source Code: 800
Duration: 1/9/1999 to 8/31/2003
Award Amount: \$13,577.00
Type of Support: Grant for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Civil Engineering

Investigator: Dr. Shankar Chellam, 100.00%
Cost Center: G086907 / 1026 / H0068 / B0004
Title: ICP-MS to Quantify Metals in Fine Particulate Matter in Houston
Agency: Texas Air Research Center
Agency Code: 4TARC0
Revenue Source Code: 800
Duration: 11/1/2001 to 8/31/2003
Award Amount: \$66,693.00
Type of Support: Contract for Research
CFDA:
CB Designation:

Investigator: Dr. Theodore G. Cleveland, 85.00%
Cost Center: G081963 / 5019 / H0250 / B0001
Title: Demonstration of Remote Wireless Access to a Database for Communicating Water Quality Data
Agency: City of Houston, Texas
Agency Code: 2CTY00
Revenue Source Code: 700
Duration: 8/23/2002 to 5/31/2003
Award Amount: \$16,308.10
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Hanadi Rifai, 100.00%
Cost Center: G087025 / 5016 / H0068 / B0001
Title: Total Maximum Daily Loads for Dioxim and Fecal Pathogens
Agency: Texas Natural Resource Conservation Commission
Agency Code: 1TNC00
Revenue Source Code: 600
Duration: 8/16/2002 to 8/31/2003
Award Amount: \$120,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During November, 2002

Investigator: Dr. Deborah J. Roberts, 85.00%
Cost Center: G086888 / 5022 / H0068 / B0001
Title: API Closed Bottle Test Round Five
Agency: American Petroleum Institute
Agency Code: 4API00
Revenue Source Code: 800
Duration: 8/12/2002 to 12/31/2002
Award Amount: \$85,109.65
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Composites Engineering and Applications Center

Investigator: Dr. Su Su Wang, 100.00%
Cost Center: G003761 / 5022 / H0077 / B0001
Title: Composites Research
Agency: Ameron International
Agency Code: 3AMERO
Revenue Source Code: 800
Duration: 10/1/1999 to 9/30/2003
Award Amount: \$45,000.00
Type of Support: Grant for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Electrical Engineering

Investigator: Dr. Stuart A. Long, 50.00%
Cost Center: G086113 / 5013 / H0070 / B0001
Title: Control and Modification of Electric Currents on Existing Structures for Use as Effective Antennas in
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 10/1/2002 to 9/30/2003
Award Amount: \$50,000.00
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

Investigator: Dr. Jeffery T. Williams, 50.00%
Cost Center: G086113 / 5013 / H0070 / B0001
Title: Control and Modification of Electric Currents on Existing Structures for Use as Effective Antennas in
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 10/1/2002 to 9/30/2003
Award Amount: \$50,000.00
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

Mechanical Engineering

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Received During November, 2002

Investigator: Dr. Charles Dalton, 100.00%
Cost Center: G086794 / 5022 / H0073 / B0001
Title: Computational Study of Compressible Flow Past a Butterfly Valve
Agency: Kalsi Engineering, Inc.
Agency Code: 3KEI00
Revenue Source Code: 800
Duration: 8/26/2002 to 9/1/2004
Award Amount: \$45,422.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Stanley J. Kleis, 100.00%
Cost Center: G083874 / 5022 / H0073 / B0001
Title: Hydrodynamic Evaluation of the NASA/HFB Bioreactor
Agency: Universities Space Research Association
Agency Code: 4USR00
Revenue Source Code: 800
Duration: 7/1/2001 to 9/30/2003
Award Amount: \$22,942.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Lewis T. Wheeler, 25.00%
Cost Center: G086279 / 5022 / H0073 / B0001
Title: Scale -Up of Ceramic Composite Components for Advanced Mining and Aerospace Applications
Agency: Valvtechnologies, Inc.
Agency Code: 3VTI00
Revenue Source Code: 800
Duration: 1/1/2000 to 12/31/2003
Award Amount: \$2,750.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Kenneth W. White, 25.00%
Cost Center: G086279 / 5022 / H0073 / B0001
Title: Scale -Up of Ceramic Composite Components for Advanced Mining and Aerospace Applications
Agency: Valvtechnologies, Inc.
Agency Code: 3VTI00
Revenue Source Code: 800
Duration: 1/1/2000 to 12/31/2003
Award Amount: \$2,750.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

DIVISION OF RESEARCH

Allied Geophysical Laboratories

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

Received During November, 2002

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

Environmental Institute of Houston

Investigator: Dr. Theodore G. Cleveland, 15.00%
Cost Center: G081963 / 5019 / H0250 / B0001
Title: Demonstration of Remote Wireless Access to a Database for Communicating Water Quality Data
Agency: City of Houston, Texas
Agency Code: 2CTY00
Revenue Source Code: 700
Duration: 8/23/2002 to 5/31/2003
Award Amount: \$2,877.90
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Deborah J. Roberts, 15.00%
Cost Center: G086888 / 5022 / H0068 / B0001
Title: API Closed Bottle Test Round Five
Agency: American Petroleum Institute
Agency Code: 4API00
Revenue Source Code: 800
Duration: 8/12/2002 to 12/31/2002
Award Amount: \$15,019.35
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Space Vacuum Epitaxy Center

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

Received During November, 2002

Investigator: Dr. Alexandre Freundlich, 85.00%
Cost Center: G086628 / 5013 / H0245 / B0001
Title: The Characterization of Silicon Material for Lunar Solar Cell Fabrication
Agency: In-Space Propulsion, Inc.
Agency Code: 3ISP00
Revenue Source Code: 800
Duration: 6/9/2000 to 12/31/2000
Award Amount: \$13,600.00
Type of Support: Contract for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Nai-Juan Wu, 85.00%
Cost Center: G005278 / 5022 / H0245 / B0001
Title: Electrically Variable Resistive Memory
Agency: Sharp Laboratories of America, Inc.
Agency Code: 3SLA00
Revenue Source Code: 800
Duration: 4/1/2001 to 10/14/2003
Award Amount: \$195,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Texas Learning/Computation Center

Investigator: Dr. Daewon Byun, 17.00%
Cost Center: G086430 / 5013 / H0246 / B0001
Title: Development of Joint Multi-Pollutant Air Quality Modeling Facilities and Air Monitoring Stations
Agency: U.S. Environmental Protection Agency
Agency Code: EPA000
Revenue Source Code: 500
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$595,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 66.500 - Environmental Protection - Consolidated Research
CB Designation: Restricted Research

Investigator: Dr. Anthony Haymet, 17.00%
Cost Center: G086430 / 5013 / H0246 / B0001
Title: Development of Joint Multi-Pollutant Air Quality Modeling Facilities and Air Monitoring Stations
Agency: U.S. Environmental Protection Agency
Agency Code: EPA000
Revenue Source Code: 500
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$595,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 66.500 - Environmental Protection - Consolidated Research
CB Designation: Restricted Research

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

Received During November, 2002

Investigator: Dr. Jiwen He, 16.00%
Cost Center: G086430 / 5013 / H0246 / B0001
Title: Development of Joint Multi-Pollutant Air Quality Modeling Facilities and Air Monitoring Stations
Agency: U.S. Environmental Protection Agency
Agency Code: EPA000
Revenue Source Code: 500
Duration: 8/1/2002 to 7/31/2004
Award Amount: \$560,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 66.500 - Environmental Protection - Consolidated Research
CB Designation: Restricted Research

TIMES

Investigator: Dr. Chris Schatschneider, 80.00%
Cost Center: G083880 / 5021 / H0288 / B0001
Title: Preventing Reading Difficulties through Intervention
Agency: University of Albany, SUNY
Agency Code: 7UAL00
Revenue Source Code: 800
Duration: 9/25/2001 to 8/31/2002
Award Amount: \$14,498.40
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

GRADUATE SCHOOL OF SOCIAL WORK

Community Projects - Social Work

Investigator: Dr. Avelardo Valdez, 100.00%
Cost Center: G086666 / 5013 / H0130 / B0001
Title: Proyecto Safe: San Antonio Family Enhancement
Agency: Substance Abuse and Mental Health Services Administration
Agency Code: HEW805
Revenue Source Code: 500
Duration: 9/30/2002 to 9/29/2003
Award Amount: \$499,788.00
Type of Support: Grant for Research
CFDA: 93.244 - Mental Health Clinical and Aids Service-Related Training
CB Designation: Restricted Research

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|-------------------------|-----------------------|
| Total Federal | \$5,416,832.00 |
| Total State | \$270,598.20 |
| Total Local | \$35,269.00 |
| Total Other | \$1,915,352.07 |
| TOTAL THIS MONTH | \$7,638,051.27 |