

**UNIVERSITY OF HOUSTON
DIVISION OF RESEARCH
NEW GRANTS AND CONTINUATION AWARDS FOR RESEARCH,
TRAINEESHIPS, FELLOWSHIPS, EQUIPMENT AND BUILDINGS
RECEIVED DURING FEBRUARY, 2002**

DIVISION OF RESEARCH

Allied Geophysical Laboratories

Investigator: Dr. Kurt J. Marfurt, 050%
Account: 1-1-14006
Title: "3-D Seismic Attribute Analysis of the Devonian Thirty-One Chert
Depositional System, Tobosa Basin, TX"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 72,800.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation: Restricted Research

Institute for Space Systems Operations

Investigator: Dr. Lawrence S. Pinsky, 040%
Account: 1-5-53113
Title: "Development of a Space Radiation Monte-Carlo Computer Simulation
Based on the FLUKA and ROOT Codes"
Agency: National Aeronautics and Space Administration - Marshall Space Flight
Center
CFDA Code: NAG8-1658
Type of Support: Grant for research.
Duration: 05/10/2000 to 11/30/2003
Award Amount: \$ 14,400.00
Revenue Source: 0500
Agency Code: NAS700
CB Designation: Restricted Research

Space Vacuum Epitaxy Center

Investigator: Dr. Pen-Chu Chou, 085%
Account: 1-5-59095
Title: "Development of MOCVD Coated Conductor HTS Wire"
Agency: Metal Oxide Technologies Inc.
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 10/15/2000 to 10/31/2002
Award Amount: \$ 265,858.75
Revenue Source: 0800
Agency Code: 3MET00
CB Designation: Restricted Research

Investigator: Dr. Alexandre Freundlich, 080%
Account: 1-1-14028
Title: "Radiation Tolerant Ultra Efficient Multijunction Quantum Well Solar Cell for
Spacecraft"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 187,760.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation: Restricted Research

Investigator: Dr. Charles C. Horton, 080%
Account: 1-1-14024
Title: "Novel High Efficiency Thermophotovoltaic Device for Direct Heat to

Agency: Electricity Conversion"
Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 180,800.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation: Restricted Research

Investigator: Dr. Shin Shem Pei, 050%
Account: 1-1-14033
Title: "Integrated TE Microcooler and Mid-IR Laser for Chemical Sensing Applications"

Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 118,660.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation: Restricted Research

Investigator: Dr. David Starikov, 080%
Account: 1-1-14027
Title: "Self-Aligned Multi-Color Photodetectors Based on the III-Nitrides for Advanced Flame/Fire Detection"

Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 140,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation: Restricted Research

Texas Learning/Computation Center

Investigator: Dr. Daewon Byun, 025%
Account: 1-1-32076
Title: "Photochemical Modeling of Ethylene and Propylene Emissions in the Houston-Galveston Non-attainment Area: Speciated Chemical Mechanism and Inventory"

Agency: Texas Air Research Center
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 11/01/2001 to 10/31/2002
Award Amount: \$ 20,826.75
Revenue Source: 0800
Agency Code: 4TARC0
CB Designation: Restricted Research

Investigator: Dr. Anthony D. Haymet, 025%
Account: 1-1-32076
Title: "Photochemical Modeling of Ethylene and Propylene Emissions in the Houston-Galveston Non-attainment Area: Speciated Chemical Mechanism and Inventory"

Agency: Texas Air Research Center
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 11/01/2001 to 10/31/2002
Award Amount: \$ 20,826.75
Revenue Source: 0800
Agency Code: 4TARC0
CB Designation: Restricted Research

Texas Center for Superconductivity at UH

Investigator: Dr. Ching-Wu Chu, 060%
Account: 1-5-51097

Title: "Materials, Processing and Quality Control for High Performance Coated High Temperature Superconducting Conductors"
Agency: U.S. Air Force Office of Scientific Research
CFDA Code: 12.002 - Procurement Technical Assistance for Business Firms
Type of Support Grant for research.
Duration: 06/01/2001 to 11/30/2002
Award Amount: \$ 90,000.00
Revenue Source: 0500
Agency Code: DOD101
CB Designation : Restricted Research

Investigator: Dr. Maria Mironova, 020%
Account: 1-1-14027
Title: "Self-Aligned Multi-Color Photodetectors Based on the III-Nitrides for Advanced Flame/Fire Detection"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 35,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

COLLEGE OF EDUCATION

Texas Center for University School Partnerships

Investigator: Dr. W. Robert Houston, 100%
Account: 1-5-51305
Title: "CAN DO Project at the University of Houston"
Agency: Project Grad - Houston
CFDA Code: N/A
Type of Support Grant for research.
Duration: 09/01/2001 to 06/30/2002
Award Amount: \$ 118,551.00
Revenue Source: 0800
Agency Code: 4PGX04
CB Designation : Restricted Research

Curriculum and Instruction

Investigator: Dr. H. Jerome Freiberg, 100%
Account: 1-5-51304
Title: "CMCD - Atlanta Washington Feeder Elementary Schools Year 1"
Agency: Project Grad - Atlanta
CFDA Code: N/A
Type of Support Contract for research.
Duration: 07/01/2001 to 06/30/2002
Award Amount: \$ 228,029.00
Revenue Source: 0800
Agency Code: 4PGX05
CB Designation : Restricted Research

Investigator: Dr. H. Jerome Freiberg, 100%
Account: 1-5-59219
Title: "CMCD-Applied Ethnographics Ltd."
Agency: Applied Ethnographics LTD
CFDA Code: N/A
Type of Support Contract for research.
Duration: 01/06/2002 to 01/08/2002
Award Amount: \$ 1,600.00
Revenue Source: 0800
Agency Code: 3ATH00
CB Designation : Restricted Research

Investigator: Dr. F. Richard Olenchak, 060%
Account: 1-5-53461
Title: "Urban Talen Research Institute - Fort Bend ISD Collaboration"
Agency: Fort Bend Independent School District

CFDA Code: N/A
Type of Support: Contract for research.
Duration: 01/01/2002 to 02/28/2003
Award Amount: \$ 10,200.00
Revenue Source: 0700
Agency Code: 2FBI00
CB Designation : Restricted Research

Educational Psychology

Investigator: Dr. John P Gaa, 040%
Account: 1-5-53461
Title: "Urban Talen Research Institute - Fort Bend ISD Collaboration"
Agency: Fort Bend Independent School District
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 01/01/2002 to 02/28/2003
Award Amount: \$ 6,800.00
Revenue Source: 0700
Agency Code: 2FBI00
CB Designation : Restricted Research

CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

Investigator: Dr. Vemuri Balakotaiah, 100%
Account: 1-1-14034
Title: "Novel Reactor and Catalyst Designs for Ultra-low Vehicular Emissions"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 146,000.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Michael Harold, 100%
Account: 1-1-14003
Title: "Integrated Catalytic Filtration Devices for Diesel Exhaust Abatement of NOx and Particulates"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 199,300.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Kishore K. Mohanty, 100%
Account: 1-1-14001
Title: "Microtomographic Study for Carbonate Petrophysics"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 107,100.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. James T. Richardson, 100%
Account: 1-1-14026
Title: "Improved Catalytic Combustion System"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003

Award Amount: \$ 150,000.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Peter G. Vekilov, 100%
Account: 1-5-59191
Title: "Morphological Stability of Stepped Interfaces Growing from Solution"
Agency: Universities Space Research Association
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 08/01/2001 to 07/31/2002
Award Amount: \$ 94,381.00
Revenue Source: 0800
Agency Code: 4USR00
CB Designation : Restricted Research

Civil Engineering

Investigator: Dr. Shankar Chellam, 050%
Account: 1-1-14025
Title: "Nanofabrication and Performance Evaluation of a New Class of Membrane Filters for Water Purification"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 87,800.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Electrical Engineering

Investigator: Dr. Ji Chen, 050%
Account: 1-1-14029
Title: "Parallel Interconnect Modeling Engine for Wireless Communication System-on-a-Chip Interconnects"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 75,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Investigator: Dr. David R. Jackson, 100%
Account: 1-1-14013
Title: "Scannable Antennas for LMDS Applications"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 150,000.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. C. Richard Liu, 100%
Account: 1-1-14002
Title: "Development of a Non-Contact Sensor for Measurement of High Skid Number"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 99,733.00
Revenue Source: 0600
Agency Code: 1COR01

CB Designation : Restricted Research

 Investigator: Dr. Stuart A. Long, 050%
 Account: 1-1-14032
 Title: "Dielectric Resonator Antenna Applications in Wireless Communications"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support: Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 80,000.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. Haluk Ogmen, 050%
 Account: 1-1-14018
 Title: "Mechanisms of Perceptual Clarity During Object Motion and Eye Movements"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support: Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 42,875.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. Shin Shem Pei, 050%
 Account: 1-1-14033
 Title: "Integrated TE Microcooler and Mid-IR Laser for Chemical Sensing Applications"
 Agency: Texas Higher Education Coordinating Board - ATP
 CFDA Code: N/A
 Type of Support: Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 118,660.00
 Revenue Source: 0600
 Agency Code: 1COR01
 CB Designation : Restricted Research

Investigator: Dr. Paul Ruchhoeft, 050%
 Account: 1-1-14025
 Title: "Nanofabrication and Performance Evaluation of a New Class of Membrane Filters for Water Purification"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support: Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 87,800.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. David P. Shattuck, 050%
 Account: 1-1-14032
 Title: "Dielectric Resonator Antenna Applications in Wireless Communications"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support: Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 80,000.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. Leonard P. Trombetta, 100%
 Account: 1-1-14031
 Title: "Metal Gate Electrodes for High-K Dielectric Stacks"
 Agency: Texas Higher Education Coordinating Board - ATP
 CFDA Code: N/A

Type of Support Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 49,608.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Donald R. Wilton, 050%
Account: 1-1-14029
Title: "Parallel Interconnect Modeling Engine for Wireless Communication System-on-a-Chip Interconnects"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A

Type of Support Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 75,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Investigator: Dr. John C. Wolfe, 060%
Account: 1-1-14030
Title: "Surface Wave Plasmas for Next-Generation Integrated Circuit Manufacturing"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A

Type of Support Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 179,280.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Wanda E. Zagodzdon-Wosik, 100%
Account: 1-5-59190
Title: "Integration of Ultra Shallow Junctions with Contact Formation Using Borides and Phosphides of Transition Metals"
Agency: SEMATECH
CFDA Code: N/A

Type of Support Contract for research.
Duration: 12/01/2001 to 11/30/2002
Award Amount: \$ 95,522.00
Revenue Source: 0800
Agency Code: 3SMT00
CB Designation : Restricted Research

Mechanical Engineering

Investigator: Dr. Ching-Wu Chu, 010%
Account: 1-5-51097
Title: "Materials, Processing and Quality Control for High Performance Coated High Temperature Superconducting Conductors"
Agency: U.S. Air Force Office of Scientific Research
CFDA Code: 12.002 - Procurement Technical Assistance for Business Firms

Type of Support Grant for research.
Duration: 06/01/2001 to 11/30/2002
Award Amount: \$ 15,000.00
Revenue Source: 0500
Agency Code: DOD101
CB Designation : Restricted Research

Investigator: Dr. Karolos M. Grigoriadis, 100%
Account: 1-1-14012
Title: "Near Zero-g Active Vibration Isolation for Microgravity Experiments"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A

Type of Support Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 110,920.00
Revenue Source: 0600

Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Stanley J. Kleis, 100%
Account: 1-1-14014
Title: "Mass Transport Studies for Mammalian Cell Cultures in Microgravity"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 94,810.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Communication Disorders

Investigator: Dr. Lynn S. Bliss, 100%
Account: 1-5-58993
Title: "United Way Support For Service Delivery in the University of Houston
Speech, Language and Hearing Clinic"
Agency: United Way Clinic Service and Sales
CFDA Code: N/A
Type of Support Grant for research.
Duration: 01/01/2001 to 12/31/2002
Award Amount: \$ 18,701.05
Revenue Source: 0800
Agency Code: 4UWAY4
CB Designation : Non Research

Arte Publico Press

Investigator: Dr. Nicolas Kanellos, 100%
Account: 1-5-55378
Title: "Latino Civil Rights Series"
Agency: Charles Stewart Mott Foundation
CFDA Code: N/A
Type of Support Grant for research.
Duration: 01/01/1999 to 08/31/2001
Award Amount: \$ 75,000.00
Revenue Source: 0800
Agency Code: 6CSM00
CB Designation : Non Research

Investigator: Dr. Nicolas Kanellos, 100%
Account: 1-5-59175
Title: "Neighborhood Arts Program - Project Support 2002"
Agency: Cultural Arts Council of Houston and Harris County
CFDA Code: N/A
Type of Support Grant for research.
Duration: 07/01/2001 to 06/30/2002
Award Amount: \$ 3,125.00
Revenue Source: 0800
Agency Code: 4CAC00
CB Designation : Non Research

Psychology

Investigator: Dr. H. Julia Hannay, 100%
Account: 1-5-51302
Title: "Graduate Student Placement in the Field of Neuropsychology"
Agency: John W. Largent, Ph.D.
CFDA Code: N/A
Type of Support Contract for research.
Duration: 09/01/2001 to 08/31/2002
Award Amount: \$ 14,643.84
Revenue Source: 0800
Agency Code: 3JWL00

CB Designation : Non Restricted Research
Investigator: Dr. H. Julia Hannay, 100%
Account: 1-5-56536
Title: "Graduate Student Placement in the Field of Neuropsychology"
Agency: University of Texas - Cancer Center (M.D. Anderson Hosp. & Tumor Inst.)
CFDA Code: N/A
Type of Support Contract for research.
Duration: 09/01/2001 to 08/31/2002
Award Amount: \$ 29,287.57
Revenue Source: 0600
Agency Code: 1UTX10
CB Designation : Restricted Research

Investigator: Dr. Lynn P. Rehm, 100%
Account: 1-5-50725
Title: "Treatment of Depression in Patients with PTSD"
Agency: Veterans Administration
CFDA Code: 64.018 - Sharing Specialized Medical Resources
Type of Support Special research agreement for research.
Duration: 10/01/1998 to 08/31/2002
Award Amount: \$ 8,583.50
Revenue Source: 0500
Agency Code: VET000
CB Designation : Restricted Research

Sociology

Investigator: Dr. Helen Rose Ebaugh, 100%
Account: 1-5-59159
Title: "Interfaith Coalitions and Religious Congregations"
Agency: University of Houston - Downtown
CFDA Code: N/A
Type of Support Grant for research.
Duration: 12/01/2001 to 12/31/2004
Award Amount: \$ 659,767.00
Revenue Source: 0600
Agency Code: 1HOU12
CB Designation : Restricted Research

LAW CENTER

Law

Investigator: Dr. Mary Anne Bobinski, 100%
Account: 1-5-51290
Title: "Family Planning Privacy Grant"
Agency: Center for Health Training
CFDA Code: N/A
Type of Support Contract for research.
Duration: 05/01/2001 to 06/30/2001
Award Amount: \$ 3,318.75
Revenue Source: 0800
Agency Code: 3CHT00
CB Designation : Restricted Research

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Institute for Molecular Design

Investigator: Dr. Carlos Ordonez, 050%
Account: 1-5-59161
Title: "World Laboratory Center for Pan-American Collaboration in Science and Chemistry"
Agency: International Center for Scientific Culture World Laboratory
CFDA Code: N/A
Type of Support Contract for research.
Duration: 12/01/2001 to 11/30/2004
Award Amount: \$ 60,500.00
Revenue Source: 0800

Agency Code: 4ICS00
CB Designation : Restricted Research

Biology/Biochemistry

Investigator: Dr. Gregory M. Cahill, 100%
Account: 1-1-14000
Title: "Identification of Vertebrae Learning and Memory Genes"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 153,600.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Investigator: Dr. Blaine J. Cole, 050%
Account: 1-1-14004
Title: "Genetic Diversity and Disease Transmission"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2001 to 12/31/2003
Award Amount: \$ 100,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Investigator: Dr. Stuart E. Dryer, 050%
Account: 1-5-50036
Title: "Circadian Regulation of Olfaction"
Agency: National Institutes of Health
CFDA Code: 93.172 - Human Genome Research
Type of Support: Grant for research.
Duration: 03/01/2001 to 02/28/2003
Award Amount: \$ 132,750.00
Revenue Source: 0500
Agency Code: HEW040
CB Designation : Restricted Research

Investigator: Dr. Stuart E. Dryer, 100%
Account: 1-5-50099
Title: "Development of Ionic Channels"
Agency: National Institute of Neurological Disorders and Stroke
CFDA Code: 93.853 - Clinical Research Related to Neurological Disorders
Type of Support: Grant for research.
Duration: 02/15/2002 to 01/31/2003
Award Amount: \$ 281,200.00
Revenue Source: 0500
Agency Code: HEW411
CB Designation : Restricted Research

Investigator: Dr. Stuart E. Dryer, 100%
Account: 1-5-58637
Title: "Neurotrophic Effects on Motoneuron Physiology"
Agency: Muscular Dystrophy Association
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2000 to 12/31/2002
Award Amount: \$ 73,908.00
Revenue Source: 0800
Agency Code: 4MDA00
CB Designation : Restricted Research

Investigator: Dr. George E. Fox, 100%
Account: 1-1-14021
Title: "Artificial Stable RNA Sequestration of Heavy Metals"
Agency: Texas Higher Education Coordinating Board - ARP

CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 176,076.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Investigator: Dr. Paul E. Hardin, 045%
Account: 1-5-50036
Title: "Circadian Regulation of Olfaction"
Agency: National Institutes of Health
CFDA Code: 93.172 - Human Genome Research
Type of Support: Grant for research.
Duration: 03/01/2001 to 02/28/2003
Award Amount: \$ 119,475.00
Revenue Source: 0500
Agency Code: HEW040
CB Designation : Restricted Research

Investigator: Dr. Daniel A. Martinez, 050%
Account: 1-5-53196
Title: "Healing Response of Injured Rodent Knee Ligaments to Hindlimb Unweighting and the Therapeutic Efficacy of Growth Hormone"
Agency: National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
CFDA Code: 43.001 - Aerospace Education Services Program
Type of Support: Grant for research.
Duration: 11/09/1999 to 11/08/2002
Award Amount: \$ 21,462.50
Revenue Source: 0500
Agency Code: NAS000
CB Designation : Restricted Research

Investigator: Dr. Daniel A. Martinez, 100%
Account: 1-5-58531
Title: "Adaptive Cardiac Connective Tissue Remodeling through Directed Delivery into Cardiac Myofibroblasts"
Agency: American Heart Association - National Center
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/1999 to 12/31/2002
Award Amount: \$ 65,000.00
Revenue Source: 0800
Agency Code: 4AHA00
CB Designation : Restricted Research

Investigator: Dr. Amy K. Sater, 100%
Account: 1-1-14005
Title: "Function of Ashwin in Early Vertebrate Development"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 100,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Investigator: Dr. Arthur C. Vailas, 050%
Account: 1-5-53196
Title: "Healing Response of Injured Rodent Knee Ligaments to Hindlimb Unweighting and the Therapeutic Efficacy of Growth Hormone"
Agency: National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
CFDA Code: 43.001 - Aerospace Education Services Program
Type of Support: Grant for research.
Duration: 11/09/1999 to 11/08/2002

Award Amount: \$ 21,462.50
Revenue Source: 0500
Agency Code: NAS000
CB Designation : Restricted Research

Investigator: Dr. Diane Wiernasz, 050%
Account: 1-1-14004
Title: "Genetic Diversity and Disease Transmission"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2001 to 12/31/2003
Award Amount: \$ 100,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation : Restricted Research

Institute for Molecular Biology

Investigator: Dr. Paul E. Hardin, 005%
Account: 1-5-50036
Title: "Circadian Regulation of Olfaction"
Agency: National Institutes of Health
CFDA Code: 93.172 - Human Genome Research
Type of Support: Grant for research.
Duration: 03/01/2001 to 02/28/2003
Award Amount: \$ 13,275.00
Revenue Source: 0500
Agency Code: HEW040
CB Designation : Restricted Research

Chemistry

Investigator: Dr. John L. Bear, 100%
Account: 1-5-51652
Title: "Houston Alliance for Minority Participation Project"
Agency: National Science Foundation
CFDA Code: 47.076 - Education and Human Resources
Type of Support: Cooperative agreement for scholarship/fellowship.
Duration: 10/01/1999 to 03/30/2003
Award Amount: \$ 1,000,000.00
Revenue Source: 0500
Agency Code: NSF000
CB Designation :

Investigator: Dr. Ching-Wu Chu, 010%
Account: 1-5-51097
Title: "Materials, Processing and Quality Control for High Performance Coated High Temperature Superconducting Conductors"
Agency: U.S. Air Force Office of Scientific Research
CFDA Code: 12.002 - Procurement Technical Assistance for Business Firms
Type of Support: Grant for research.
Duration: 06/01/2001 to 11/30/2002
Award Amount: \$ 15,000.00
Revenue Source: 0500
Agency Code: DOD101
CB Designation : Restricted Research

Investigator: Dr. Anthony D. Haymet, 025%
Account: 1-1-32076
Title: "Photochemical Modeling of Ethylene and Propylene Emissions in the Houston-Galveston Non-attainment Area: Speciated Chemical Mechanism and Inventory"
Agency: Texas Air Research Center
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 11/01/2001 to 10/31/2002
Award Amount: \$ 20,826.75
Revenue Source: 0800

Agency Code: 4TARC0
 CB Designation : Restricted Research

Investigator: Dr. Karl M. Kadish, 100%
 Account: 1-1-14010
 Title: "Redox Properties of Electronic Porphyrin-Based Components for
 'Molecular Electronics'"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 147,000.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. Donald J. Kouri, 050%
 Account: 1-1-14011
 Title: "New Quantum States With Relative Minimum Uncertainty and Maximum
 Shape Control"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 75,000.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. T. Randall Lee, 100%
 Account: 1-1-14020
 Title: "New Adsorbates for Soft Lithographic Patterning"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 149,928.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. J. Wayne Rabalais, 100%
 Account: 1-1-14023
 Title: "Nanostructuring of Metal Oxide Surfaces Induced by Radiation Enhanced
 Diffusion"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support Grant for research.
 Duration: 01/01/2002 to 12/31/2003
 Award Amount: \$ 188,480.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Investigator: Dr. Randolph P. Thummel, 100%
 Account: 1-1-14009
 Title: "CU(I) Complexes as Low Cost Photoredox Catalysts"
 Agency: Texas Higher Education Coordinating Board - ARP
 CFDA Code: N/A
 Type of Support Grant for research.
 Duration: 01/01/2002 to 03/31/2004
 Award Amount: \$ 149,500.00
 Revenue Source: 0600
 Agency Code: 1COR02
 CB Designation : Restricted Research

Geosciences

Investigator: Dr. K. K. Bissada, 100%
 Account: 1-5-51303

Title: "Geochemical Characterization of the Anadarko Infinity 1-4 Natural Gases"
Agency: Anadarko Petroleum Corporation
CFDA Code: N/A
Type of Support: Special research agreement for research.
Duration: 10/01/2001 to 09/30/2002
Award Amount: \$ 7,500.00
Revenue Source: 0800
Agency Code: 3APC00
CB Designation : Restricted Research

Investigator: Dr. K. K. Bissada, 100%
Account: 1-5-59310
Title: "Geology and Geochemistry of the Burgos Basin and other Petroleum Systems of Mexico"
Agency: Robertson Research International Limited
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 01/01/2002 to 12/31/2002
Award Amount: \$ 20,000.00
Revenue Source: 0800
Agency Code: 3RII00
CB Designation : Restricted Research

Investigator: Dr. Daewon Byun, 025%
Account: 1-1-32076
Title: "Photochemical Modeling of Ethylene and Propylene Emissions in the Houston-Galveston Non-attainment Area: Speciated Chemical Mechanism and Inventory"
Agency: Texas Air Research Center
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 11/01/2001 to 10/31/2002
Award Amount: \$ 20,826.75
Revenue Source: 0800
Agency Code: 4TARC0
CB Designation : Restricted Research

Investigator: Dr. Charlotte Sullivan, 050%
Account: 1-1-14006
Title: "3-D Seismic Attribute Analysis of the Devonian Thirty-One Chert Depositional System, Tobosa Basin, TX"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 72,800.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Arthur Weglein, 100%
Account: 1-5-59002
Title: "Mission-Oriented Seismic Research Program (M-OSRP)"
Agency: Various Private Profit Agencies
CFDA Code: N/A
Type of Support: Other support for research.
Duration: 01/01/2001 to 12/31/2001
Award Amount: \$ 223,980.00
Revenue Source: 0800
Agency Code: 3VAR00
CB Designation : Restricted Research

Mathematics

Investigator: Dr. Suncica Canic, 100%
Account: 1-1-14008
Title: "Quasilinear Hyperbolic Equations With Discontinuous Coefficients Arising in Blood Flow Modeling"
Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A

Type of Support	Grant for research.
Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 50,000.00
Revenue Source:	0600
Agency Code:	1COR02
CB Designation :	Restricted Research
Investigator:	Dr. Michael Field, 050%
Account:	1-1-14019
Title:	"Symmetry in Coupled Cell Systems and Neuroscience"
Agency:	Texas Higher Education Coordinating Board - ARP
CFDA Code:	N/A
Type of Support	Other support for research.
Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 41,250.00
Revenue Source:	0600
Agency Code:	1COR02
CB Designation :	Restricted Research
Investigator:	Dr. Martin Golubitsky, 050%
Account:	1-1-14019
Title:	"Symmetry in Coupled Cell Systems and Neuroscience"
Agency:	Texas Higher Education Coordinating Board - ARP
CFDA Code:	N/A
Type of Support	Other support for research.
Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 41,250.00
Revenue Source:	0600
Agency Code:	1COR02
CB Designation :	Restricted Research
Investigator:	Dr. Barbara L. Keyfitz, 100%
Account:	1-1-14007
Title:	"Overcoming Mathematical Difficulties in Two-Phase Flows"
Agency:	Texas Higher Education Coordinating Board - ARP
CFDA Code:	N/A
Type of Support	Grant for research.
Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 48,000.00
Revenue Source:	0600
Agency Code:	1COR02
CB Designation :	Restricted Research
Investigator:	Dr. Barbara L. Keyfitz, 100%
Account:	1-5-51688
Title:	"Nonlinear Elliptic Boundary Value Problems"
Agency:	National Science Foundation
CFDA Code:	47.049 - Mathematical and Physical Sciences
Type of Support	Grant for research.
Duration:	07/15/2001 to 06/30/2004
Award Amount:	\$ 69,000.00
Revenue Source:	0500
Agency Code:	NSF000
CB Designation :	
Investigator:	Dr. Emmanouil Papadakis, 050%
Account:	1-1-14011
Title:	"New Quantum States With Relative Minimum Uncertainty and Maximum Shape Control"
Agency:	Texas Higher Education Coordinating Board - ARP
CFDA Code:	N/A
Type of Support	Grant for research.
Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 75,000.00
Revenue Source:	0600
Agency Code:	1COR02
CB Designation :	Restricted Research

Physics

Investigator: Dr. Pen-Chu Chou, 015%
Account: 1-5-59095
Title: "Development of MOCVD Coated Conductor HTS Wire"
Agency: Metal Oxide Technologies Inc.
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 10/15/2000 to 10/31/2002
Award Amount: \$ 46,916.25
Revenue Source: 0800
Agency Code: 3MET00
CB Designation : Restricted Research

Investigator: Dr. Ching-Wu Chu, 020%
Account: 1-5-51097
Title: "Materials, Processing and Quality Control for High Performance Coated High Temperature Superconducting Conductors"
Agency: U.S. Air Force Office of Scientific Research
CFDA Code: 12.002 - Procurement Technical Assistance for Business Firms
Type of Support: Grant for research.
Duration: 06/01/2001 to 11/30/2002
Award Amount: \$ 30,000.00
Revenue Source: 0500
Agency Code: DOD101
CB Designation : Restricted Research

Investigator: Dr. Alexandre Freundlich, 020%
Account: 1-1-14028
Title: "Radiation Tolerant Ultra Efficient Multijunction Quantum Well Solar Cell for Spacecraft"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 46,940.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Michael Gorman, 040%
Account: 1-1-14030
Title: "Surface Wave Plasmas for Next-Generation Integrated Circuit Manufacturing"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 119,520.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Charles C. Horton, 020%
Account: 1-1-14024
Title: "Novel High Efficiency Thermophotovoltaic Device for Direct Heat to Electricity Conversion"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 45,200.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation : Restricted Research

Investigator: Dr. Ed V. Hungerford, 100%
Account: 1-5-52215
Title: "Selected Problems in Experimental Intermediate Energy Physics"
Agency: U.S. Department of Energy
CFDA Code: 81.049 - Office of Energy Research Financial Assistance Program
Type of Support: Grant for research.

Duration: 02/01/2000 to 01/31/2003
Award Amount: \$ 380,000.00
Revenue Source: 0500
Agency Code: DOE000
CB Designation : Restricted Research

Investigator: Dr. Carlos Ordonez, 050%
Account: 1-5-59161
Title: "World Laboratory Center for Pan-American Collaboration in Science and Chemistry"

Agency: International Center for Scientific Culture World Laboratory
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 12/01/2001 to 11/30/2004
Award Amount: \$ 60,500.00
Revenue Source: 0800
Agency Code: 4ICS00
CB Designation: Restricted Research

Investigator: Dr. Lawrence S. Pinsky, 100%
Account: 1-1-14022
Title: "Determining the Radial Dependence of Particle Intensities from Coronal Mass Ejections"

Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 104,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation: Restricted Research

Investigator: Dr. Lawrence S. Pinsky, 060%
Account: 1-5-53113
Title: "Development of a Space Radiation Monte-Carlo Computer Simulation Based on the FLUKA and ROOT Codes"

Agency: National Aeronautics and Space Administration - Marshall Space Flight Center
CFDA Code: 43.001 - Aerospace Education Services Program
Type of Support: Grant for research.
Duration: 05/10/2000 to 11/30/2003
Award Amount: \$ 21,600.00
Revenue Source: 0500
Agency Code: NAS700
CB Designation: Restricted Research

Investigator: Dr. Arthur Weglein, 100%
Account: 1-1-14036
Title: "Sub-Salt Imaging with Typical Marine P Data: Application to Offshore Gulf of Mexico E&P"

Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 150,000.00
Revenue Source: 0600
Agency Code: 1COR02
CB Designation: Restricted Research

COLLEGE OF OPTOMETRY

Optometry

Investigator: Dr. Harold E. Bedell, 050%
Account: 1-1-14018
Title: "Mechanisms of Perceptual Clarity During Object Motion and Eye Movements"

Agency: Texas Higher Education Coordinating Board - ARP
CFDA Code: N/A
Type of Support: Grant for research.

Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 42,875.00
Revenue Source:	0600
Agency Code:	1COR02
CB Designation	Restricted Research
Investigator:	Dr. Jan P. G. Bergmanson, 100%
Account:	1-5-59236
Title:	"ReNu MultiPlus Multi-Purpose Solution When Used on a Daily Wear Basis with FDA Group 1 - Study #281"
Agency:	Bausch and Lomb Company
CFDA Code:	N/A
Type of Support	Contract for research.
Duration:	01/04/2002 to 12/31/2002
Award Amount:	\$ 17,279.98
Revenue Source:	0800
Agency Code:	3BLC00
CB Designation	Restricted Research
Investigator:	Dr. Jan P. G. Bergmanson, 100%
Account:	1-5-59335
Title:	"Ocular Sciences Opaque Colors Final Selection Study 2"
Agency:	Ocular Sciences, Inc.
CFDA Code:	N/A
Type of Support	Contract for research.
Duration:	01/01/2002 to 01/31/2004
Award Amount:	\$ 8,594.44
Revenue Source:	0800
Agency Code:	3OSI00
CB Designation	Restricted Research
Investigator:	Dr. Ronald S. Harwerth, 100%
Account:	1-5-50098
Title:	"Behavioral Measures of Binocular Vision"
Agency:	National Eye Institute
CFDA Code:	93.867 - Vision Research
Type of Support	Grant for research.
Duration:	01/01/2002 to 12/31/2002
Award Amount:	\$ 324,425.00
Revenue Source:	0500
Agency Code:	HEW402
CB Designation	Restricted Research

COLLEGE OF PHARMACY

Pharmacological and Pharmaceutical Sciences

Investigator:	Dr. Diana S. L. Chow, 100%
Account:	1-1-14035
Title:	"Chemoprevention of Skin Cancers by Novel Derivatives of Tempol in Mice and Cultures"
Agency:	Texas Higher Education Coordinating Board - ATP
CFDA Code:	N/A
Type of Support	Grant for research.
Duration:	01/01/2002 to 12/31/2003
Award Amount:	\$ 100,000.00
Revenue Source:	0600
Agency Code:	1COR01
CB Designation	Restricted Research

Clinical Sciences and Administration

Investigator:	Dr. Kevin Garey, 060%
Account:	1-5-55428
Title:	"A Houston-Based Medicine Cabinet Cleanup Campaign"
Agency:	National Association of Chain Drug Stores Education Foundation
CFDA Code:	N/A
Type of Support	Grant for research.
Duration:	12/21/2001 to 12/30/2002
Award Amount:	\$ 1,200.00

Revenue Source: 0800
Agency Code: 6NAD00
CB Designation: Restricted Research

Investigator: Dr. Melinda Neuhauser, 040%
Account: 1-5-55428
Title: "A Houston-Based Medicine Cabinet Cleanup Campaign"
Agency: National Association of Chain Drug Stores Education Foundation
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 12/21/2001 to 12/30/2002
Award Amount: \$ 800.00
Revenue Source: 0800
Agency Code: 6NAD00
CB Designation: Restricted Research

Investigator: Dr. Sujit Sanggiry, 100%
Account: 1-1-14017
Title: "Comprehend Before You Consume: Product Information Labels to Improve Over-the-Counter Drug Selection"
Agency: Texas Higher Education Coordinating Board - ATP
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 90,000.00
Revenue Source: 0600
Agency Code: 1COR01
CB Designation: Restricted Research

Investigator: Dr. Sujit Sanggiry, 100%
Account: 1-5-55429
Title: "The Impact of the Human Genome Project on the Professional Role of the Community Pharmacists"
Agency: National Association of Chain Drug Stores Education Foundation
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 01/01/2002 to 12/31/2003
Award Amount: \$ 2,000.00
Revenue Source: 0800
Agency Code: 6NAD00
CB Designation: Restricted Research

GRADUATE SCHOOL OF SOCIAL WORK

Community Projects - Social Work

Investigator: Dr. Ann McFarland, 100%
Account: 1-5-53460
Title: "Gang Free Schools & Communities Initiative - Comprehensive Gang Model Implementation"
Agency: City of Houston, Texas
CFDA Code: N/A
Type of Support: Contract for research.
Duration: 12/18/2001 to 04/30/2002
Award Amount: \$ 49,842.00
Revenue Source: 0700
Agency Code: 2CTY00
CB Designation : Restricted Research

Investigator: Dr. Ellen S. Stevens, 100%
Account: 1-5-50760
Title: "Meeting the Needs of Under-Served Texans: Hispanic Elders & Their Aging Families"
Agency: Baylor College of Medicine
CFDA Code: N/A
Type of Support: Grant for research.
Duration: 07/01/2000 to 06/30/2002
Award Amount: \$ 23,400.00
Revenue Source: 0800
Agency Code: 7BAY00

CB Designation : Restricted Research
 Investigator: Dr. Avelardo Valdez, 100%
 Account: 1-5-50744
 Title: "Hispanic Herion Users, Transitions to Injecting and HIV"
 Agency: National Institute on Drug Abuse
 CFDA Code:
 Type of Support Grant for research.
 Duration: 10/02/2001 to 08/31/2006
 Award Amount: \$ 370,773.00
 Revenue Source: 0500
 Agency Code: HEW802
 CB Designation : Restricted Research

TOTAL AWARDS

SOURCE OF FUNDS	FISCAL YEAR 2002		FISCAL YEAR 2001	
	CURRENT MONTH	CUMULATIVE TOTAL	CURRENT MONTH	CUMULATIVE TOTAL
Federal	\$ 2,928,406.50	\$16,884,673.88	\$ 1,015,180.00	\$15,899,185.58
State	\$5,724,379.57	\$12,418,670.80	\$151,538.03	\$4,460,932.67
Local	\$66,842.00	\$209,076.00	\$15,000.00	\$110,160.00
Other	\$1,613,616.06	\$7,528,368.05	\$978,276.77	\$8,277,683.93
TOTAL CURRENT MONTH	\$10,333,244.13	\$37,040,788.73	\$2,159,994.80	\$28,747,962.18